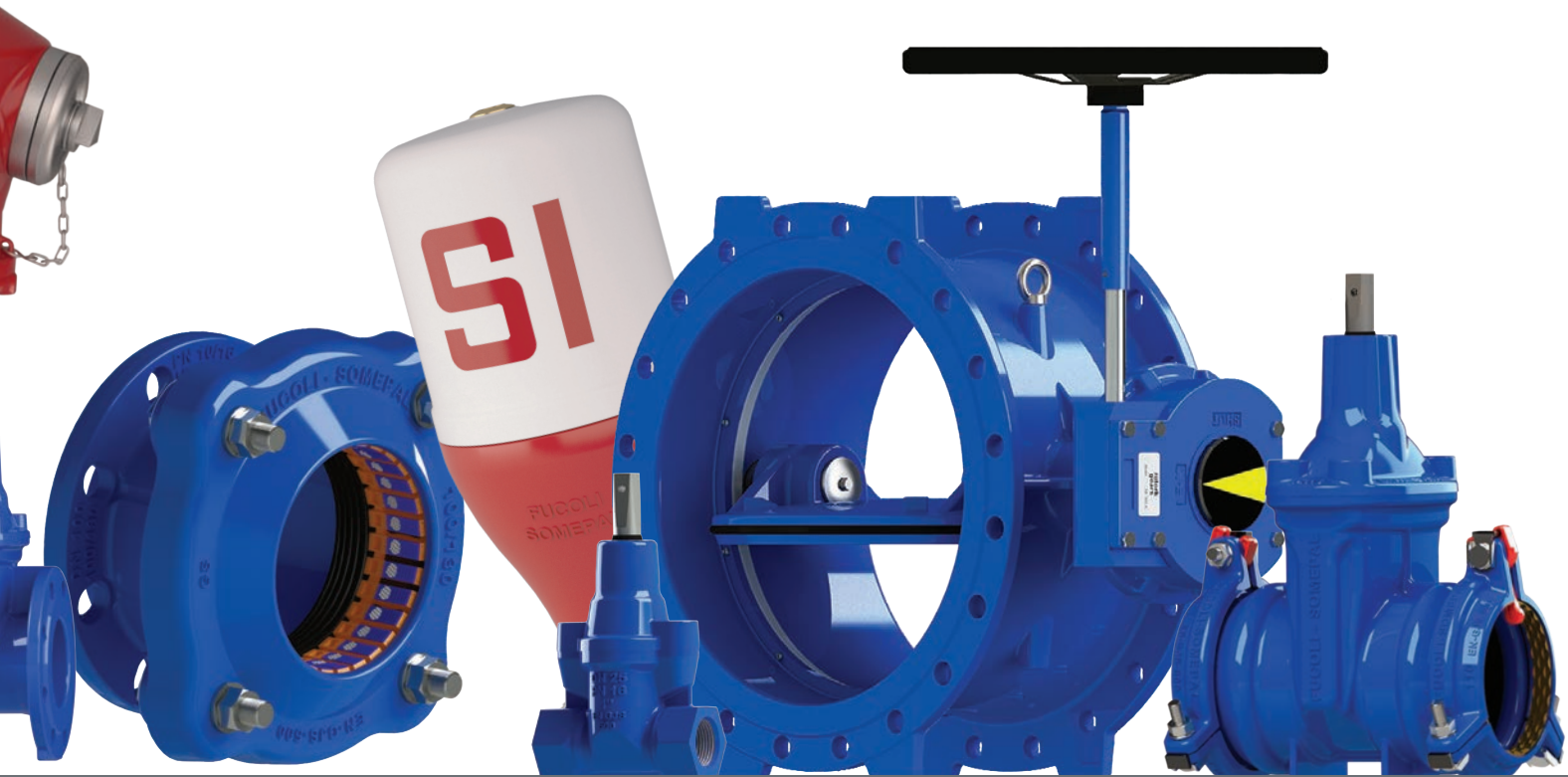




Fucoli Somepal
FUNDIÇÃO DE FERRO, S.A.



TECHNICAL CATALOGUE



100% MADE IN EUROPE

www.fucoli-somepal.pt

Fucoli-Somepal was founded in 1946. It has been a long journey, always in pursuit of excellence, guided by our own strategy, which consists of the design and production in ductile cast iron, of innovative and high-quality solutions.

OUR SOLUTIONS

We provide over 6000 products for water, waste water, gas, firefighting and telecommunications networks.

 <p>WATER</p>	 <p>WASTE WATER / RESIDUAL</p>	 <p>GAS</p>
 <p>FIRE FIGHTING</p>	 <p>MANHOLE COVERS AND GULLY GRATES</p>	<p>PRODUCTS</p>  <p>DESIGNED AND DEVELOPED WITH THE GOAL OF CREATING A MORE SUSTAINABLE FUTURE</p>

FROM FUCOLI-SOMEPAL TO THE WORLD



WE ARE ONE OF THE FEW COMPANIES THAT CAN PROUDLY CLAIM THAT THEIR PRODUCTS ARE 100% MADE IN EUROPE



100% MADE IN

CERTIFICATIONS



Systems

ISO 9001, ISO 1400
and ISO 45001



Products



**Coating
Epoxy**



Potability



**CE
Marking**



We are an environmentally certified company and in our manufacturing process we use 100% renewable energy.



POTABLE WATER

1. SOFT SEALING GATE VALVES

- 01.101 Flanged soft sealing gate valve S14 3000 PN10/16
- 01.102 Flanged soft sealing gate valve ISO Top flange S14 3000 PN10/16 prepared for electric actuator
- 01.102A Flanged soft sealing gate valve S14 3000 PN10/16 with AUMA electric actuator
- 01.103 Flanged soft sealing gate valve S14 3000 PN10/16 with pneumatic cylinder
- 01.110 Flanged soft sealing gate valve S14 NEXUS PN10/16
- 01.201 Flanged soft sealing gate valve S15 3000 PN10/16
- 01.202 Flanged soft sealing gate valve S15 3000 PN25
- 01.203 Flanged soft sealing gate valve ISO Top flange S15 3000 PN10/16 prepared for electric actuator
- 01.203A Flanged soft sealing gate valve S15 3000 PN10/16 with AUMA electric actuator
- 01.204 Flanged soft sealing gate valve ISO Top flange S15 3000 PN25 prepared for electric actuator
- 01.204A Flanged soft sealing gate valve S15 3000 PN25 with AUMA electric actuator
- 01.205 Flanged soft sealing gate valve S15 3000 PN10/16 with pneumatic cylinder
- 01.210 Flanged soft sealing gate valve S15 NEXUS PN10/16
- 01.301 Spigot end soft sealing gate valve 3000
- 01.401 Soft sealing gate valve socket ends 3000 for uPVC
- 01.402 Soft sealing gate valve socket ends NEXUS for uPVC **NEW**
- 01.410 Soft sealing gate valve NEXUS BLOCKPLUS for PE/uPVC
- 01.501 Soft sealing gate valve with PE pipes spigot ends 3000
- 01.511 Soft sealing gate valve flange/PE spigot end NEXUS
- 01.600 Flanged soft sealing gate valve S14 3000 with open/ close indicator PN10/16
- 01.600LS Flanged soft sealing gate valve S14 3000 with open/close indicator & open-close limit switching PN10/16
- 01.601 Flanged soft sealing gate valve S15 3000 with open/ close indicator PN10/16
- 01.601LS Flanged soft sealing gate valve S15 3000 with open/close indicator & open-close limit switching PN10/16
- 01.610 Flanged soft sealing gate valve S14 NEXUS with open/ close indicator PN10/16
- 01.610LS Flanged soft sealing gate valve S14 NEXUS with open/close indicator & open-close limit switching PN10/16
- 01.611 Flanged soft sealing gate valve S15 NEXUS with open/ close indicator PN10/16
- 01.6011LS Flanged soft sealing gate valve S15 NEXUS with open/close indicator & open-close limit switching PN10/16

2. SERVICE CONNECTION SOFT SEALING GATE VALVES

- 02.100 Service valve interna tread SÉCULO XXI PN16
- 02.101 Service valve angular external/internal tread SÉCULO XX PN16
- 02.200 Service valve connection for PE SÉCULO XXI PN16
- 02.201 Service valve angular external thread/connection for PE SÉCULO XXI PN16
- 02.202 Service valve external thread/connection for PE "MAIA" SÉCULO XXI PN16
- 02.203 Soft sealing gate valve with PE pipes spigot ends SÉCULO XXI
- 02.204 Service valve external thread/connection for PE "BRAGA" SÉCULO XXI PN16
- 02.205 Service valve male/female thread for SÉCULO XXI

3. CHECK VALVES

- 03.105 Swing check valve SUPRA with metal seated PN10/16
- 03.106 Swing check valve SUPRA with metal seated PN25/40
- 03.107 Swing check valve SUPRA with metal seated with lever and counterweight PN10/16
- 03.108 Swing check valve SUPRA with metal seated with lever and counterweight PN25/40
- 03.110 Swing check valve SOFT with resilient seated PN10/16
- 03.111 Swing check valve SOFT with resilient seated with lever and counterweight PN10/16
- 03.200 Butterfly type check valve metal/rubber sealed PN10/16
- 03.300 Check valve BOLA with metal/rubber sealed PN10/16

4. OTHER VALVES

- 04.100 Butterfly valve DUPLEX 500 with seat in ductile cast iron PN10/16/25
- 04.100A Butterfly valve DUPLEX 500 with seat in ductile cast iron, gearbox and AUMA electric actuator PN10/16/25
- 04.102 Butterfly valve DUPLEX 316L with seat in stainless steel AISI 316L PN10/16/25
- 04.102A Butterfly valve DUPLEX 316L with seat in stainless steel AISI 316L, gearbox and AUMA electric actuator PN10/16/25
- 04.200 Balanced float valve with lever and float PN10/16
- 04.301 Flap valve MOON with metal/rubber sealed PN10/16
- 04.400 Penstock valve with square or round opening
- 04.500 Flanged metal seated gate valve S15 with handwheel PN10/16/25/40

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- 04.501 Flanged metal seated gate valve ISO Top flange S15 prepared for electric actuator PN10/16/25/40
- 04.601 Strainer PURIFY PN10/16
- 04.700 Valve of reservoir bottom

5. ACCESSORIES FOR VALVES

- 05.100 Handwheel for soft sealing gate valve
- 05.110 Handwheel for penstock valve
- 05.200 Stem cap for soft sealing gate valve
- 05.210 Stem cap male or female for penstock valve
- 05.300 Extension spindle for soft sealing gate valve
- 05.310 Extension spindle and guide for penstock valve
- 05.400 Extractors for dismantling PE pipes
- 05.500 Surface box round, triangular, square, hexagonal or octagonal
- 05.700 Key for gate valve
- 05.800 Key for BOLA swing check valve
- 05.900 Headstock

6. AIR VALVES

- 06.100 Single function air valve WIND
- 06.200 Double function air valve DOUBLE WIND
- 06.300 Triple function air valve with obturator PN10/16
- 06.301 Triple function air valve with obturator PN25
- 06.310 Triple function air valve SV (Without Valve) PN10/16/25



FIRE FIGHTING

7. FIRE HYDRANTS

- 07.100 Fire hydrants SOMEPAL (standard version)
- 07.101 Fire hydrants SOMEPAL com curva incorporada (shorter version)
- 07.100A Bonnet SOMEPAL
- 07.200 Fire hydrants CLASSIC (standard version)
- 07.201 Fire hydrants CLASSIC com curva incorporada (shorter version)
- 07.300 Underground fire hydrant
- 07.400 Floor hydrant EUROPA
- 07.500 Key to open fire hydrant SOMEPAL and CLASSIC
- 07.501 Replacement kit SOMEPAL, CLASSIC and IGNIS
- 07.600 Wall fire plug
- 07.610 Fire plug with soft sealing gate valve
- 07.700 Fire hydrants IGNIS (standard version)



POTABLE WATER

8. SADDLES AND JOINTS

- 08.100 Saddle BRAC PRO for uPVC/PE pipes PN10/16/25
- 08.101 Shut-off blade adaptor ATC-PRO
- 08.110 Saddle with shut-off blade adaptor for uPVC/PE pipes
- 08.200 Saddle threaded for asbestos cement and cast iron pipes
- 08.210 Large tolerance flanged saddle
- 08.300 Multimaterials coupling PN16
- 08.301 Large tolerance multimaterials coupling flanged adaptor PN10/16
- 08.400 Multimaterials coupling with GFIX® grip system PN10/16
- 08.401 Large tolerance multimaterials coupling flanged adaptor with GFIX® grip system PN10/16
- 08.600 Dismantling joint with steel zinc plated bolts PN10/16/25/40
- 08.601 Dismantling joint with stainless steel bolts PN10/16/25/40
- 08.700 Gibault joint for uPVC pipes
- 08.800 Dyssymmetrical Gibault joint for uPVC pipes
- 08.801 Dyssymmetrical Gibault joint for uPVC and asbestos cement pipes or ductile iron pipes
- 08.900 Gibault joint for asbestos cement and ductile iron pipes
- 08.1000 Blind joint for uPVC pipes
- 08.1001 Blind Gibaut joint for abestos ciment and ductile iron pipes

9. FLANGES AND PIPES

- 09.100 Flange adaptor for uPVC PN10/16
- 09.200 Flange adaptor with tensile ring for uPVC/PE PN10/16
- 09.201 Flange adaptor with tensile ring for uPVC/PE PN25
- 09.210 Flange adaptor BLOCKPLUS for PE and uPVC pipes PN10/16
- 09.300 Flange adaptor for ductile cast iron
- 09.400 Blind flange PN10/16/25
- 09.401 Thread flange PN10/16/25
- 09.500 Pipe DN50-800 PN10/16/25
- 09.501 Double movable flanged pipe DN40-500 PN10/16/25

10. DUCTIL IRON FITTINGS

FITTING FOR uPVC PIPES

- 10.100 Double Socket 90° bend for uPVC PN10/16/25
- 10.101 Double Socket 45° bend for uPVC PN10/16/25
- 10.102 Double Socket 22° 30' bend for uPVC PVC PN10/16/25
- 10.103 Double Socket 11° 15' bend for uPVC PN10/16/25
- 10.104 Movable flanged uPVC socket 90° duckfoot bend PN10/16
- 10.200 Double socket taper for uPVC PN10/16/25
- 10.201 Double socket collar for uPVC PN10/16/25
- 10.300 All socket tee for uPVC PN10/16/25
- 10.400 Double socket tee for uPVC pipes with flanged branch PN10/16/25
- 10.500 Double socket tee for uPVC pipes with threaded branch PN10/16/25
- 10.600 All socket crosshead for uPVC PN10/16/25

FLANGED FITTINGS

- 10.1000 Double flanged 90° bend PN10/16/25
- 10.1001 Double flanged 45° bend PN10/16/25
- 10.1002 Double flanged 22° 30' bend PN10/16/25
- 10.1003 Double flanged 11° 15' bend PN10/16/25
- 10.1004 Double flanged 90° duckfoot bend PN10/16/25
- 10.1100 Double flanged taper PN10/16/25
- 10.1200 All flanged tee PN10/16/25
- 10.1300 All flanged crosshead PN10/16/25
- 10.1400 "S" height adjustment bend flanged PN10/16
- 10.1500 Flanged spigot connection PN10/16/25
- 10.1600 Flanged grater PN10/16
- 10.1700 Flanged tee PN10/16/25

SOCKET FITTINGS FOR uPVC/PE PIPES

- 10.2000 Double socket 90° bend BLOCKPLUS for PE and uPVC pipes PN16
- 10.2001 Double socket 45° bend BLOCKPLUS for PE and uPVC pipes PN16
- 10.2100 Socket collar BLOCKPLUS for PE and uPVC pipes PN16
- 10.2200 All socket tee BLOCKPLUS for PE and uPVC pipes PN16
- 10.2300 End cap socket BLOCKPLUS for PE and uPVC pipes PN16
- 10.6100 Adaptor external thread/socket for PE PN16
- 10.6200 Adaptor internal thread/socket for PE PN16
- 10.6300 Double socket connection for PE PN16
- 10.6400 90° Socket bend for PE PN16
- 10.6410 90° Bend internal thread/socket for PE PN16
- 10.6411 45° Bend external thread/socket for PE PN16
- 10.6460 90° Bend external thread/socket for PE PN16



RESIDUAL / WASTE WATER

11. VALVES AND FITTINGS FOR RESIDUAL WATER

SOFT SEALING GATE VALVES

- 11.101 Flanged soft sealing gate valve S14 3000 PN10/16
- 11.102 Flanged soft sealing gate valve ISO Top flange S14 3000 PN10/16 prepared for electric actuator
- 11.102A Flanged soft sealing gate valve S14 3000 PN10/16 with AUMA electric actuator
- 11.103 Flanged soft sealing gate valve S14 3000 PN10/16 with pneumatic cylinder

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- 11.110 Flanged soft sealing gate valve S14 NEXUS PN10/16
- 11.201 Flanged soft sealing gate valve S15 3000 PN10/16
- 11.202 Flanged soft sealing gate valve ISO Top flange S15 3000 PN10/16 prepared for electric actuator
- 11.202A Flanged soft sealing gate valve S15 3000 PN10/16 with AUMA electric actuator
- 11.203 Flanged soft sealing gate valve S15 3000 PN10/16 with pneumatic cylinder
- 11.210 Flanged soft sealing gate valve S15 NEXUS PN10/16
- 11.301 Soft sealing gate valve socket ends 3000 for uPVC

CHECK VALVES

- 11.401 Swing check valve SUPRA with metal seated with lever and counterweight PN10/16
- 11.411 Swing check valve SOFT with resilient seated with lever and counterweight PN10/16
- 11.500 Check valve BOLA with metal/rubber sealed PN10/16

OTHER VALVES

- 11.600 Penstock valve with square or round opening
- 11.701 Flap valve MOON with metal/rubber sealed PN10/16
- 11.800 Butterfly valve DUPLEX 316L with seat in stainless steel AISI 316L PN10/16
- 11.800A Butterfly valve DUPLEX 316L with seat in stainless steel AISI 316L, gearbox and AUMA electric actuator PN10/16

FITTINGS FOR uPVC PIPES

- 11.1000 Double Socket 90° bend for uPVC PN10/16
- 11.1001 Double Socket 45° bend for uPVC PN10/16
- 11.1002 Double Socket 22° 30' bend for uPVC PVC PN10/16
- 11.1003 Double Socket 11° 15' bend for uPVC PN10/16
- 11.1100 Double socket taper for uPVC PN10/16
- 11.1200 Double socket collar for uPVC PN10/16
- 11.1300 All socket tee for uPVC PN10/16
- 11.1400 Double socket tee for uPVC pipes with flanged branch PN10/16
- 11.1500 Double socket tee for uPVC pipes with threaded branch PN10/16
- 11.1600 All socket crosshead for uPVC PN10/16/25

FLANGED FITTINGS

- 11.2000 Double flanged 90° bend PN10/16
- 11.2001 Double flanged 45° bend PN10/16
- 11.2002 Double flanged 22° 30' bend PN10/16
- 11.2003 Double flanged 11° 15' bend PN10/16
- 11.2100 Double flanged taper PN10/16
- 11.2200 All flanged tee PN10/16
- 11.2300 All flanged crosshead PN10/16
- 11.2400 Flanged spigot connection PN10/16

FLANGED AND PIPES

- 11.2500 Flange adaptor for ductile cast iron PN10/16
- 11.2600 Flange adaptor for uPVC PN10/16
- 11.2700 Flange adaptor with tensile ring for uPVC/PE PN10/16
- 11.2800 Blind flange PN10/16
- 11.2801 Thread flange PN10/16
- 11.2900 Pipe DN50-800 PN10/16
- 11.2901 Double movable flanged pipe DN40-500 PN10/16

JOINTS

- 11.3000 Multimaterials coupling PN16
- 11.3001 Large tolerance multimaterials coupling flanged adaptor PN10/16
- 11.4000 Multimaterials coupling with GFIX® grip system PN10/16
- 11.4001 Large tolerance multimaterials coupling flanged adaptor with GFIX® grip system PN10/16
- 11.5000 Dismantling joint with steel zinc plated bolts PN10/16
- 11.5001 Dismantling joint with stainless steel bolts PN10/16



MANHOLE COVERS AND GULLY GRATES

12. MANHOLE COVERS

- 12.100 Round manhole cover EIXO E DOBRADIÇA - C250 and D400
- 12.101 Round manhole cover FUCOLI com sistema de fecho - D400
- 12.102 Round manhole cover ULTRA - B125, C250 and D400
- 12.103 Round manhole cover FUCOLI - B125, C250, D400 and E600
- 12.104 Round manhole cover FUCOLI 800 - D400

INDEX

- 12.105 Round manhole cover ESTANQUE - D400
- 12.106 Round manhole cover LISBOA - D400
- 12.110 Round manhole cover PROGRESS - D400 **NEW**
- 12.200 Square manhole cover LUSO - B125 and C250
- 12.201 Square manhole cover ESTRADA - D400
- 12.300 Triangular manhole cover NR - D400
- 12.400 Rectangular manhole cover TELECOM - B125 and D400
- 12.402 Rectangular manhole cover UF - B125
- 12.500 Recessed round manhole covers FUCOLI - B125, C250 and D400
- 12.501 Recessed rectangular manhole covers NR - B125
- 12.502 Recessed rectangular manhole covers UF - B125
- 12.503 Recessed rectangular manhole covers TELECOM - B125 and D400
- 12.504 Recessed rectangular manhole covers EPAL
- 12.505 Recessed square manhole covers FUCOLI - B125 and C250
- 12.600 Other models
- 12.700 Surface box for gas - B125 and D400
- 12.900 Accessories for manhole covers

13. GULLY GRATES

- 13.100 Rectangular gully grate - B125, C250 and D400
- 13.200 Gully Grate ANTI-ROUBO - A15, B125, C250 and D400
- 13.300 Round gully grate - B125 and D400
- 13.400 Protection tree grate
- 13.500 Siphon drain disc

14. URBAN FURNITURE

- 14.200 Bollard
- 14.300 Drinking fountain

15. SEVERAL

- 15.100 Lid round, oval or rectangular
- 15.200 Step for manhole, marine zone and drinking water
- 15.300 Gasket in EPDM for flanges
- 15.400 Stainless steel insert for PE pipes
- 15.500 Bolts kit in zinc steel plated for flange
- 15.510 Bolts kit in stainless steel plated for flange



GAS

SOFT SEALING GATE VALVES

- 16.101 Flanged soft sealing gate valve S14 3000 PN10/16
- 16.201 Flanged soft sealing gate valve S15 3000 PN10/16
- 16.301 Soft sealing gate valve with PE pipes spigot ends 3000

JOINTS

- 16.400 Multimaterials coupling with GFIX® grip system PN10/16
- 11.3001 Large tolerance multimaterials coupling flanged adaptor with GFIX® grip system PN10/16



Product description

- Flanged soft sealing gate valve series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: KIWA Certificate K76981/01 and AENOR Certificate B18/000002
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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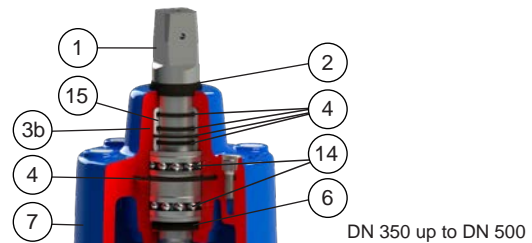
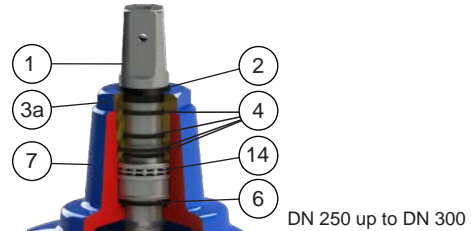
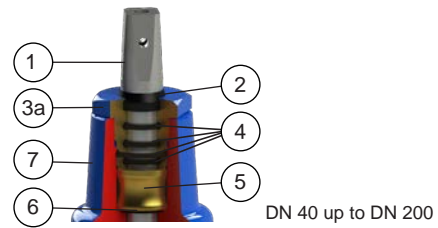
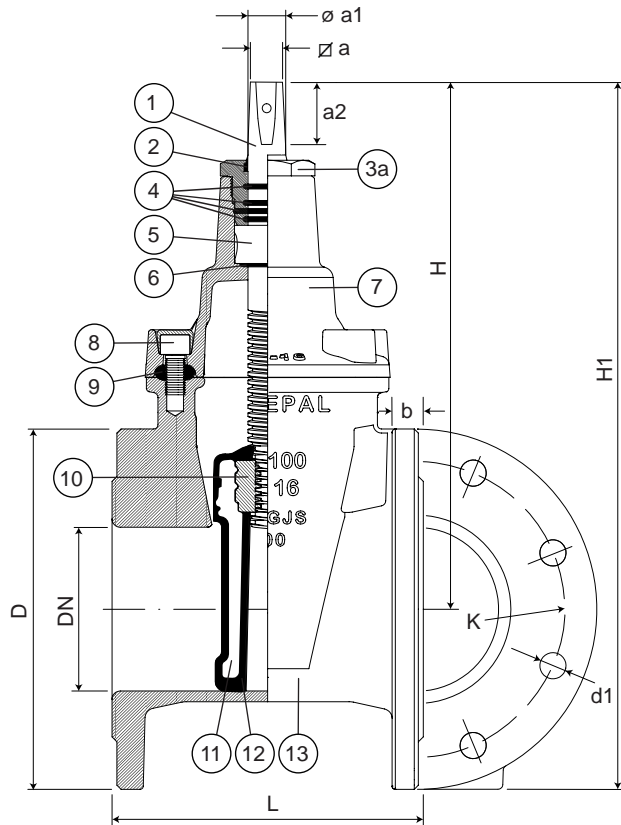
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Branch office: Rua de Aveiro 50, 3050-420 Pampilhosa – Portugal | Tel.: (+351) 239 490100 | Fax: (+351) 231 949292 | comercial@fucoli-somepal.pt

FLANGED SOFT SEALING GATE VALVE S14 3000

DN 40 - 500 PN10/16

01.101



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW603N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10725014	150	140	203	278	110	4 x 19	19	14.1	20	29	10	8
50	10/16	10725024	165	150	235	318	125	4 x 19	19	14.1	20	29	13	10
60	10/16	10725034	175	170	250	338	135	4 x 19	19	17.1	22	34	13	12
65	10/16	10725044	185	170	250	343	145	4 x 19	19	17.1	22	34	13	12
80	10/16	10725054	200	180	290	390	160	8 x 19	19	17.1	22	34	16	17
100	10/16	10725064	220	190	325	435	180	8 x 19	19	19.1	24	38	20	20
125	10/16	10725074	250	200	362	487	210	8 x 19	19	19.1	26	38	25	24
150	10/16	10725084	285	210	425	568	240	8 x 23	19	19.1	28	38	30	35
200	10	10725094	340	230	505	675	295	8 x 23	20	24.1	32	42	34	50
200	16	10725104	340	230	505	675	295	12 x 23	20	24.1	32	42	34	50
250	10	10725114	400	250	595	795	350	12 x 23	22	27.1	36	47	42	72
250	16	10725124	400	250	595	795	355	12 x 28	22	27.1	36	47	42	72
300	10	10725134	455	270	670	898	400	12 x 23	24.5	27.1	36	47	50	105
300	16	10725144	455	270	670	898	410	12 x 28	24.5	27.1	36	47	50	105
350	10	10725154	505	290	940	1193	460	16 x 23	24.5	32.1	45	55	67	226

continued on next page

FLANGED SOFT SEALING GATE VALVE S14 3000 DN 40 - 500 PN10/16

01.101



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
350	16	10725164	520	290	940	1200	470	16 x 28	26.5	32.1	45	55	67	227
400	10	10725174	565	310	940	1223	515	16 x 28	24.5	32.1	45	55	67	251
400	16	10725184	580	310	940	1230	525	16 x 31	28	32.1	45	55	67	261
450	10	10725194	615	330	1120	1428	565	20 x 28	25.5	32.1	50	55	71	397
450	16	10725204	640	330	1120	1440	585	20 x 31	30	32.1	50	55	71	415
500	10	10725214	670	350	1120	1455	620	20 x 28	26.5	32.1	50	55	71	427
500	16	10725224	715	350	1120	1478	650	20 x 34	31.5	32.1	50	55	71	428



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FUNDAÇÃO DE FERRO, S.A.

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FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S14 3000
prepared for electric actuator
DN 40 - 500 PN10/16

01.102



Product description

- Flanged soft sealing gate valve with ISO top flange prepared for electrical actuator series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14
- ISO top flange according to ISO 5210

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- ISO top flange according ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator and bevel gearbox
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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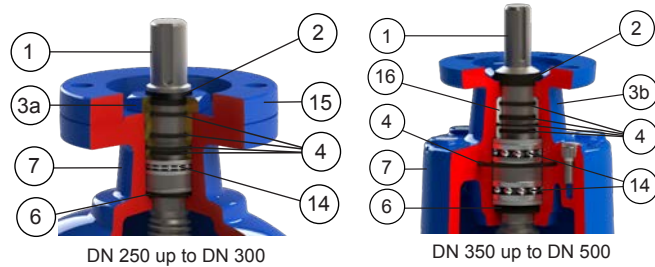
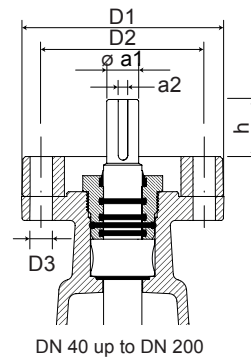
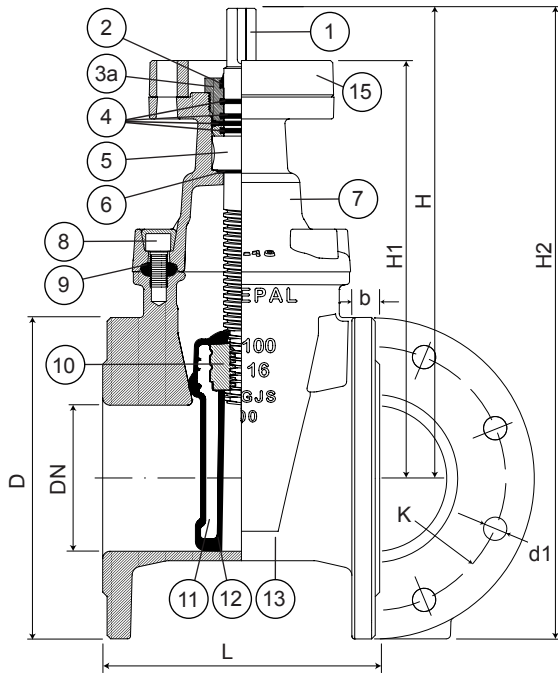
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FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S14 3000

prepared for electric actuator

DN 40 - 500 PN10/16

01.102



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Mouting flange	Ductile iron EN-GJS-500-7	EN 1563
16	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	H2	K	n° x d1	b	ISO 5210	D1	D2	n° x D3	ø a1	a2	h	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	flange	mm	mm	mm	mm	mm	mm		
40	10/16	10727500	150	140	207	177	282	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	10
50	10/16	10727510	165	150	238	208	321	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	12
60	10/16	10727520	175	170	250	217	338	135	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	14
65	10/16	10727530	185	170	250	217	343	145	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	18
80	10/16	10727540	200	180	286	253	386	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	19
100	10/16	10727550	220	190	325	286	435	180	8 x 19	19	F10	125	102	4 x 12	20	6	39	20	23
125	10/16	10727560	250	200	362	323	487	210	8 x 19	19	F10	125	102	4 x 12	20	6	39	25	28
150	10/16	10727570	285	210	425	384	568	240	8 x 23	19	F10	125	102	4 x 12	20	6	41	30	36
200	10	10727580	340	230	505	459	683	295	8 x 23	20	F10	125	102	4 x 12	20	6	46	34	53
200	16	10727585	340	230	505	459	683	295	12 x 23	20	F10	125	102	4 x 12	20	6	46	34	53
250	10	10727590	400	250	595	545	805	350	12 x 23	22	F14	175	140	4 x 18	30	8	50	42	77
250	16	10727595	400	250	595	545	805	355	12 x 28	22	F14	175	140	4 x 18	30	8	50	42	77
300	10	10727600	455	270	670	620	898	400	12 x 23	24.5	F14	175	140	4 x 18	30	8	50	50	107
300	16	10727605	455	270	670	620	898	410	12 x 28	24.5	F14	175	140	4 x 18	30	8	50	50	110
350	10	10727610	505	290	940	875	1193	460	16 x 23	24.5	F14	175	140	4 x 18	30	8	65	67	220
350	16	10727615	520	290	940	875	1200	470	16 x 28	26.5	F14	175	140	4 x 18	30	8	65	67	224
400	10	10727620	565	310	940	875	1223	515	16 x 28	24.5	F14	175	140	4 x 18	30	8	65	67	238
400	16	10727625	580	310	940	875	1230	525	16 x 31	28	F14	175	140	4 x 18	30	8	65	67	244

continued on next page

All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.6 2/3

FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S14 3000
prepared for electric actuator
 DN 40 - 500 PN10/16

01.102



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	∅ a1 mm	a2 mm	h mm	turns to open	Kg approx.
450	10	10727630	615	330	1120	1055	1428	565	20 x 28	25.5	F14	175	140	4 x 18	30	8	65	71	388
450	16	10727635	640	330	1120	1055	1440	585	20 x 31	30	F14	175	140	4 x 18	30	8	65	71	396
500	10	10727640	670	350	1120	1055	1455	620	20 x 28	26.5	F14	175	140	4 x 18	30	8	65	71	412
500	16	10727645	715	350	1120	1055	1478	650	20 x 34	31.5	F14	175	140	4 x 18	30	8	65	71	429



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FLANGED SOFT SEALING GATE VALVE S14 3000
with **AUMA electric actuator**
DN 40 - 500 PN10/16

01.102A



Product description

- Flanged soft sealing gate valve series 3000 with AUMA electric actuator for drinking water and neutral liquids
- Face-to-face length – S14
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 14
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water with full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM, exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of stem in stainless steel AISI 316L, NBR sealings, wedge nut in different brass grades, actuator Auma Norm single phase, Auma Matic, Aumatic or others.



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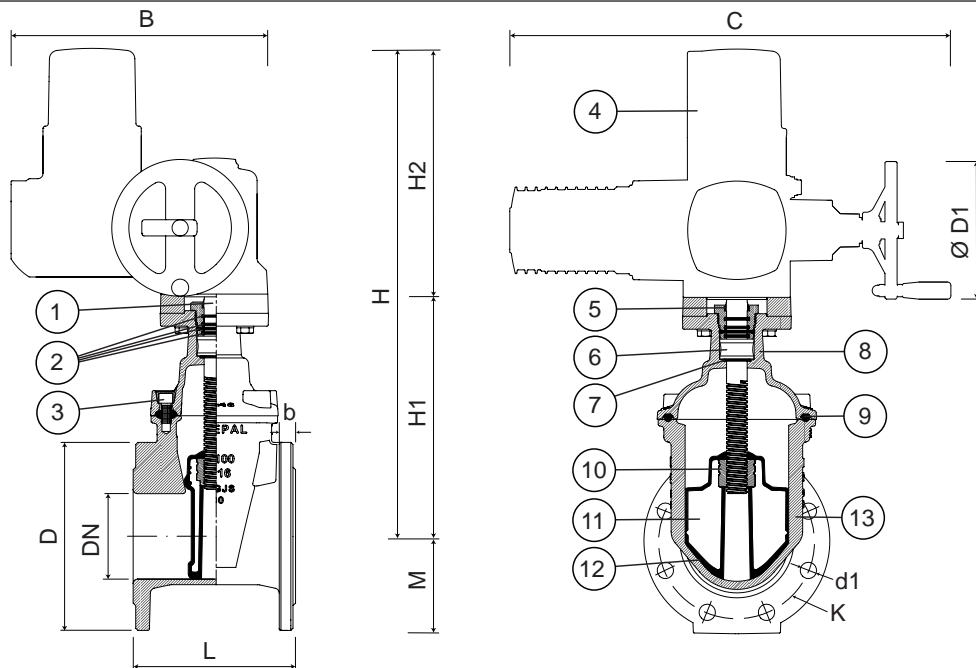
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FLANGED SOFT SEALING GATE VALVE S14 3000

with **AUMA electric actuator**

DN 40 - 500 PN10/16

01.102A



Component list

pos.	components	material	standard
1	Stem	Stainless stell AISI 420	EN 10088 - 1
2	O-rings	Elastomer EPDM	EN 681 - 1
3	Bolts	Stainless stell A2	EN 10088 - 1
4	AUMA electric actuator		
5	Clearing joint	Elastomer	
6	Stem washer	Brass CW603N	EN 12164
7	O-rings	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA actuator	B	C	Ø D1	H2	RPM actuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm			
40	10/16	10725500A	150	140	496	208	75	110	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	35
50	10/16	10725510A	165	150	496	208	83	125	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	37
60	10/16	10725520A	175	170	505	217	88	135	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	39
65	10/16	10725530A	185	170	505	217	93	145	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	43
80	10/16	10725540A	200	180	545	257	100	160	8 x 19	19	F10	SA 07.6	300	514	160	288	45	22	44
100	10/16	10725550A	220	190	576	286	110	180	8 x 19	19	F10	SA 10.2	313	537	200	290	45	27	51
125	10/16	10725560A	250	200	613	323	125	210	8 x 19	19	F10	SA 10.2	313	537	200	290	45	34	56
150	10/16	10725570A	285	210	674	384	143	240	8 x 23	19	F10	SA 10.2	313	537	200	290	45	40	64
200	10	10725580A	340	230	749	459	115	295	8 x 23	20	F10	SA 10.2	313	537	200	290	45	45	81
200	16	10725585A	340	230	749	459	115	295	12 x 23	20	F10	SA 10.2	313	537	200	290	45	45	81
250	10	10725590A	400	250	861	545	200	350	12 x 23	22	F14	SA 14.2	377	725	315	316	22	114	136
250	16	10725595A	400	250	861	545	200	355	12 x 28	22	F14	SA 14.2	377	725	315	316	22	114	136
300	10	10725600A	455	270	936	620	228	400	12 x 23	24.5	F14	SA 14.2	377	725	315	316	22	137	166
300	16	10725605A	455	270	936	620	228	410	12 x 28	24.5	F14	SA 14.2	377	725	315	316	22	137	169
350	10	10725610A	505	290	1191	875	253	460	16 x 23	24.5	F14	SA 14.6	377	728	400	316	22	183	283
350	16	10725615A	520	290	1191	875	260	470	16 x 28	26.5	F14	SA 14.6	377	728	400	316	22	183	287
400	10	10725620A	565	310	1191	875	283	515	16 x 28	24.5	F14	SA 14.6	377	728	400	316	22	183	301
400	16	10725625A	580	310	1191	875	290	525	16 x 31	28	F14	SA 14.6	377	728	400	316	22	183	307
450	10	10725630A	615	330	1371	1055	308	565	20 x 28	25.5	F14	SA 14.6	377	728	400	316	22	171	451
450	16	10725635A	640	330	1371	1055	320	585	20 x 31	30	F14	SA 14.6	377	728	400	316	22	171	459
500	10	10725640A	670	350	1371	1055	335	620	20 x 28	26.5	F14	SA 14.6	377	728	400	316	22	171	475
500	16	10725645A	715	350	1371	1055	358	650	20 x 34	31.5	F14	SA 14.6	377	728	400	316	22	171	492

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

FLANGED SOFT SEALING GATE VALVE S14 3000

with pneumatic cylinder

DN 50 - 300 PN10/16

01.103



Product description

- Flanged soft sealing gate valve series 3000 with pneumatic cylinder actuator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve for drinking water
- Full bore
- Shaft sealing system with 3 O-rings in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Double acting pneumatic actuator with position sensing for open/close operation approved by ATEX
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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VON ANNAUTOREN UND FORTSCHRITTEN

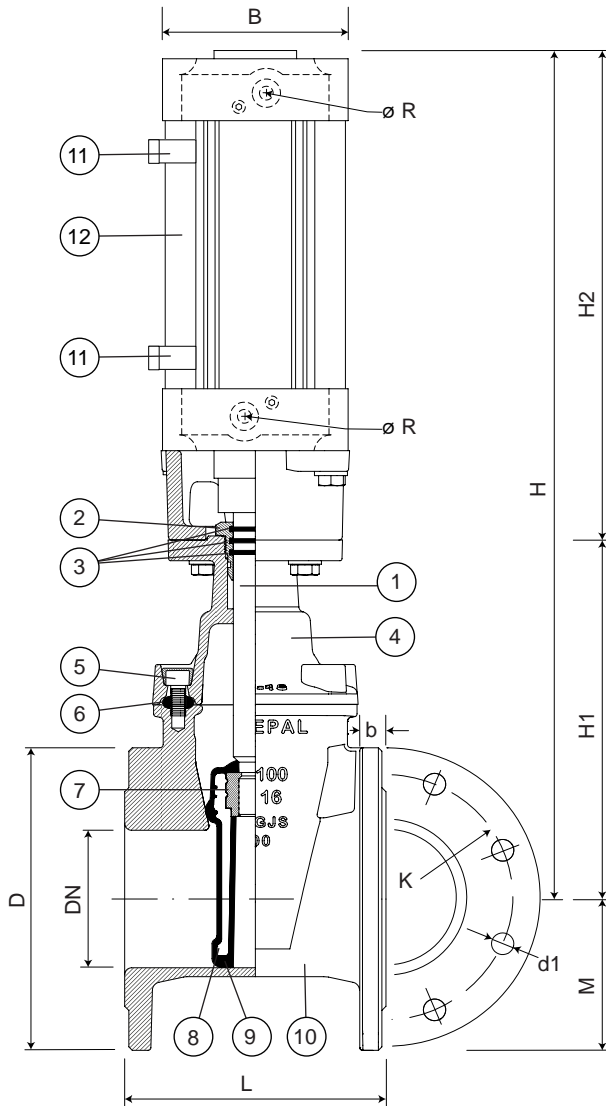


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Component list

pos.	components	material	standard
1	Shaft	Stainless steel AISI 420	EN 10088 - 1
2	Stem washer	Brass CW614N	EN 12164
3	O-rings	Elastomer EPDM	EN 681 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer EPDM	EN 681 - 1
7	Wedge nut	Brass CW602N	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer EPDM	EN 681 - 1
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Open-close limit switching (option)	-	-
12	Pneumatic cylinder	Aluminium and stainless steel	-

Reference and dimensions

DN	PN	code	D	L	H	M	H1	H2	K	n° x d1	b	B	ø R	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10725501	150	140	283	75	208	75	110	4 x 19	19	100	G 1/2"	15
50	10/16	10725511	165	150	283	83	208	75	125	4 x 19	19	100	G 1/2"	17
60	10/16	10725521	175	170	307	88	217	90	135	4 x 19	19	100	G 1/2"	19
65	10/16	10725531	185	170	307	93	217	90	145	4 x 19	19	100	G 1/2"	20
80	10/16	10725541	200	180	362	100	257	105	160	8 x 19	19	125	G 3/4"	28
100	10/16	10725551	220	190	411	110	286	125	180	8 x 19	19	125	G 3/4"	32
125	10/16	10725561	250	200	473	125	323	150	210	8 x 19	19	160	G 3/4"	44
150	10/16	10725571	285	210	559	143	384	175	240	8 x 23	19	160	G 3/4"	52
200	10	10725581	340	230	684	170	459	225	295	8 x 23	20	200	G 3/4"	80
200	16	10725586	340	230	684	170	459	225	295	12 x 23	20	200	G 3/4"	80
250	10	10725591	400	250	820	200	545	275	350	12 x 23	22	200	G 1"	117
250	16	10725596	400	250	820	200	545	275	355	12 x 28	22	200	G 1"	117
300	10	10725601	455	270	945	228	620	325	400	12 x 23	24.5	200	G 1"	170
300	16	10725606	455	270	945	228	620	325	410	12 x 28	24.5	200	G 1"	170





Product description

- Flanged soft sealing gate valve S14 series NEXUS for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000009
- ACS Potability Certificate 23 ACC NY 441
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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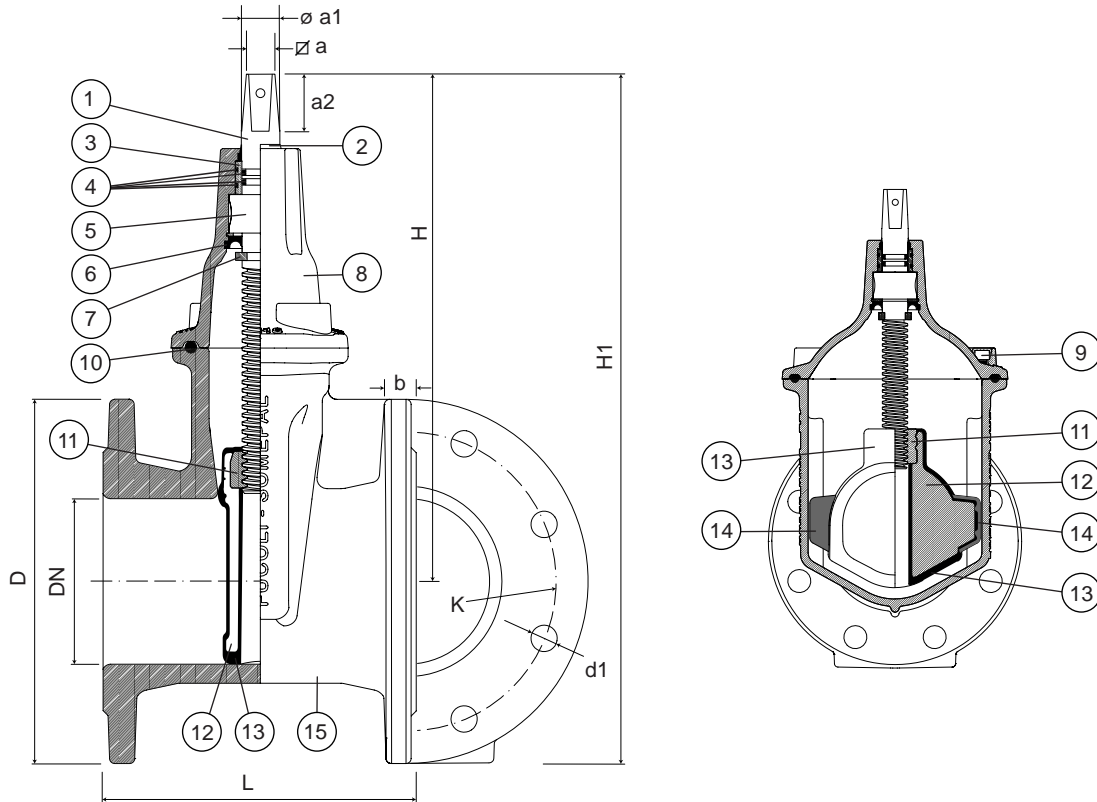
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FLANGED SOFT SEALING GATE VALVE S14 NEXUS

DN 50 - 300 PN10/16

01.110



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Joint	Elastomer EPDM	EN 681 - 1
7	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Wedge guide	Polyamide	
15	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	min	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10729010	165	150	214	297	125	4 x 19	19	14.1	18	29	13	10
60*	10/16	10729015FL	185	170	252	345	135	4 x 19	19	17.1	22	34	14	12
65	10/16	10729015	185	170	252	345	145	4 x 19	19	17.1	22	34	14	12
80	10/16	10729020	200	180	277	377	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10729025	220	190	306	416	180	8 x 19	19	19.1	23	38	20	17
125	10/16	10729030	250	200	342	467	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10729035	285	210	400	542	240	8 x 23	19	19.1	26	38	30	31
200	10	10729040	340	230	471	641	295	8 x 23	20	24.1	28	38	40	47
200	16	10729045	340	230	471	641	295	12 x 23	20	24.1	28	38	40	47
250	10	10729050	400	250	601	801	350	12 x 23	22	27.1	32	47	42	72
250	16	10729055	400	250	601	801	355	12 x 28	22	27.1	32	47	42	72
300	10	10729060	455	270	682	910	400	12 x 23	24.5	27.1	32	47	50	98
300	16	10729065	455	270	682	910	410	12 x 28	24.5	27.1	32	47	50	98

* DN65 valve with DN60 flange drilling



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Product description

- Flanged soft sealing gate valve series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: KIWA Certificate K76981/01 and AENOR Certificate B18/000002
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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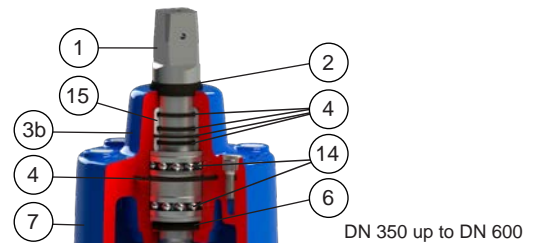
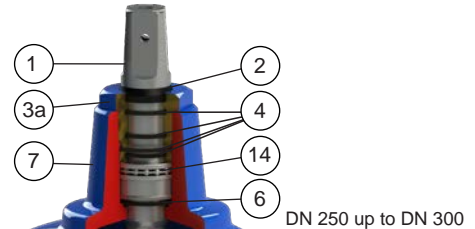
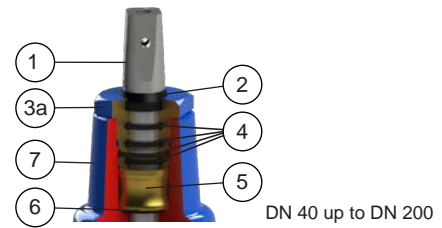
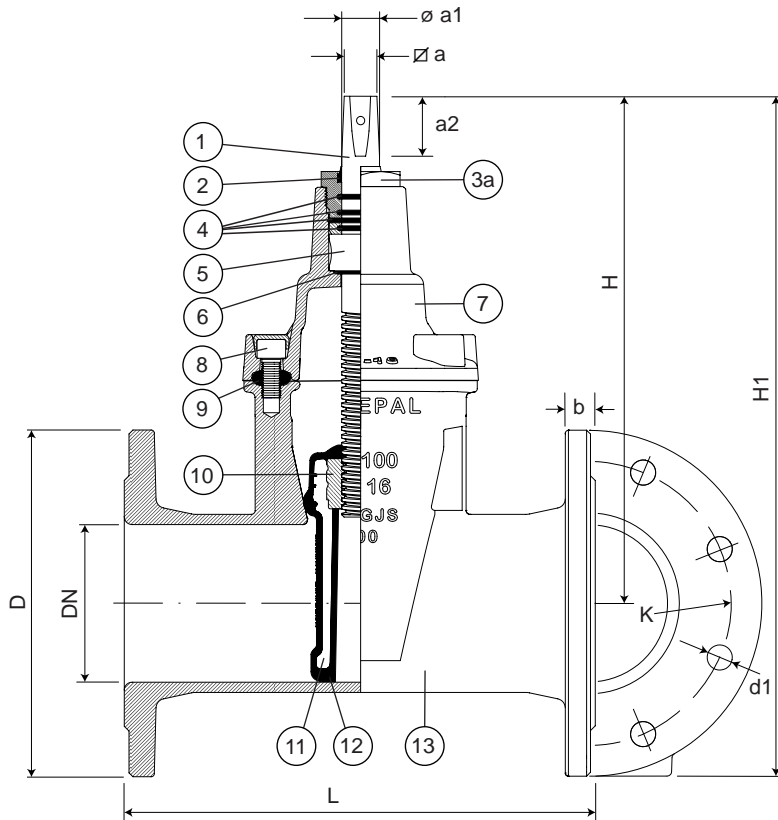
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FLANGED SOFT SEALING GATE VALVE S15 3000

DN 40 - 600 PN10/16

01.201



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron	EN 1563
		EN-GJS-500-7	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron	EN 1563
		EN-GJS-500-7	

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW603N	EN 12164
11	Wedge	Ductile iron	EN 1563
		EN-GJS-500-7	
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron	EN 1563
		EN-GJS-500-7	
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10712014	150	240	203	278	110	4 x 19	19	14.1	20	29	10	8
50	10/16	10712024	165	250	235	318	125	4 x 19	19	14.1	20	29	13	11
60	10/16	10712034	175	270	250	338	135	4 x 19	19	17.1	22	34	13	13
65	10/16	10712044	185	270	250	343	145	4 x 19	19	17.1	22	34	13	13
80	10/16	10712054	200	280	290	390	160	8 x 19	19	17.1	22	34	16	17
100	10/16	10712064	220	300	325	435	180	8 x 19	19	19.1	24	38	20	21
125	10/16	10712074	250	325	362	487	210	8 x 19	19	19.1	26	38	25	26
150	10/16	10712084	285	350	425	568	240	8 x 23	19	19.1	28	38	30	38
200	10	10712094	340	400	505	675	295	8 x 23	20	24.1	32	42	34	54
200	16	10712097	340	400	505	675	295	12 x 23	20	24.1	32	42	34	54
250	10	10712104	400	450	595	795	350	12 x 23	22	27.1	36	47	42	80
250	16	10712110	400	450	595	795	355	12 x 28	22	27.1	36	47	42	80
300	10	10712114	455	500	670	898	400	12 x 23	24.5	27.1	36	47	50	132
300	16	10712120	455	500	670	898	410	12 x 28	24.5	27.1	36	47	50	132
350	10	10712124	505	550	940	1193	460	16 x 23	24.5	32.1	45	55	67	254

continued on next page

FLANGED SOFT SEALING GATE VALVE S15 3000

DN 40 - 600 PN10/16

01.201



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
350	16	10712130	520	550	940	1200	470	16 x 28	26.5	32.1	45	55	67	258
400	10	10712134	565	600	940	1223	515	16 x 28	24.5	32.1	45	55	67	277
400	16	10712140	580	600	940	1230	525	16 x 31	28	32.1	45	55	67	280
450	10	10712144	615	650	1120	1428	565	20 x 28	25.5	32.1	50	55	71	448
450	16	10712150	640	650	1120	1440	585	20 x 31	30	32.1	50	55	71	465
500	10	10712154	670	700	1120	1455	620	20 x 28	26.5	32.1	50	55	71	482
500	16	10712160	715	700	1120	1478	650	20 x 34	31.5	32.1	50	55	71	499
600	10	10712164	780	800	1290	1680	725	20 x 31	30	41.1	60	74	86	639
600	16	10712170	840	800	1290	1710	770	20 x 37	36	41.1	60	74	86	689



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Product description

- Flanged soft sealing gate valve series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN25
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000002
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with "soft stop" system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with "monorail" system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

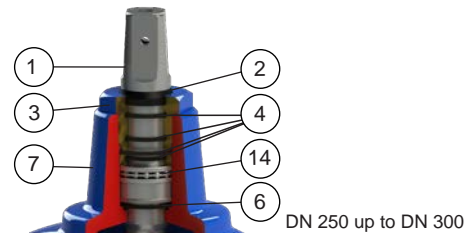
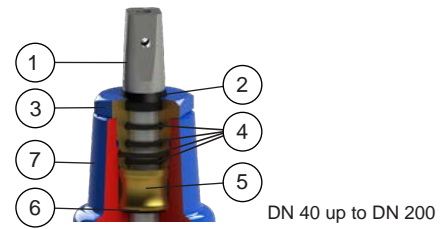
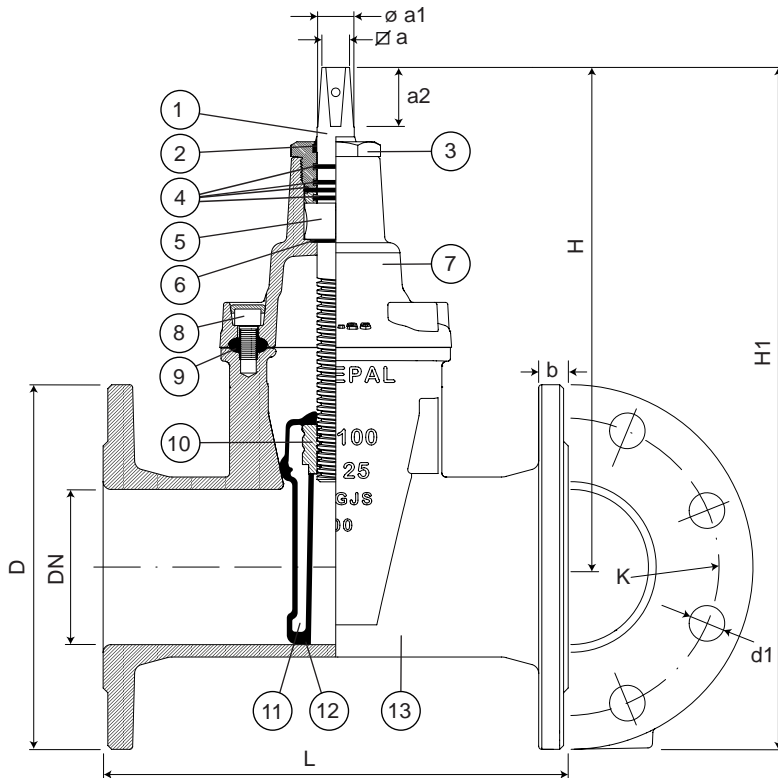


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Gland	Brass CW614N	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW603N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	Ø a	Ø a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	25	10726014	150	240	203	278	110	4 x 19	19	14.1	20	29	10	9
50	25	10726024	165	250	235	318	125	4 x 19	19	14.1	20	29	13	11
60	25	10726034	175	270	250	338	135	8 x 19	19	17.1	22	34	13	13
65	25	10726044	185	270	250	343	145	8 x 19	19	17.1	22	34	13	14
80	25	10726054	200	280	290	390	160	8 x 19	19	17.1	22	34	16	19
100	25	10726064	235	300	325	443	190	8 x 23	19	19.1	24	38	20	25
125	25	10726074	270	325	362	497	220	8 x 28	19	19.1	26	38	25	31
150	25	10726084	300	350	425	575	250	8 x 28	20	19.1	28	38	30	45
200	25	10726094	360	400	505	685	310	12 x 28	22	24.1	32	42	34	65
250	25	10726104	425	450	595	808	370	12 x 31	24.5	27.1	36	47	42	97
300	25	10726114	485	500	670	913	430	16 x 31	27.5	27.1	36	47	50	136



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100% MADE IN EUROPE



Product description

- Flanged soft sealing gate valve with ISO top flange prepared for electrical actuator series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15
- ISO top flange according to ISO 5210

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- ISO top flange according ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator and bevel gearbox
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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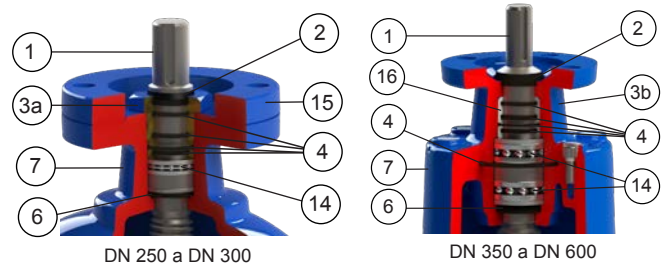
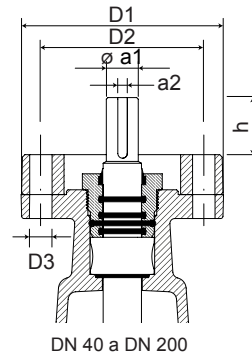
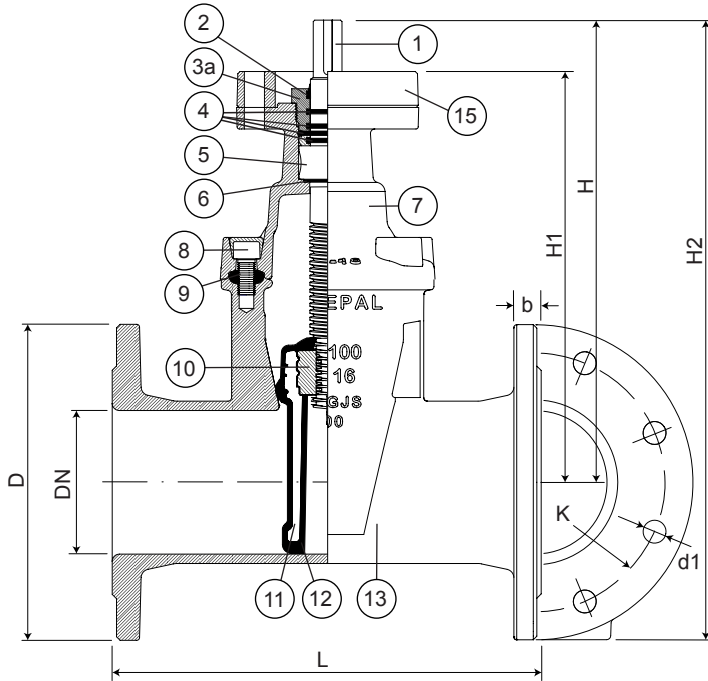
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FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S15 3000

prepared for electric actuator

DN 40 - 600 PN10/16

01.203



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Mouting flange	Ductile iron EN-GJS-500-7	EN 1563
16	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	H2	K	n° x d1	b	ISO 5210	D1	D2	n° x D3	∅ a1	a2	h	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	flange	mm	mm	mm	mm	mm	mm		
40	10/16	10727800	150	240	207	177	282	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	11
50	10/16	10727810	165	250	238	208	321	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	13
60	10/16	10727820	175	270	250	217	338	135	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	15
65	10/16	10727830	185	270	250	217	343	145	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	15
80	10/16	10727840	200	280	286	253	386	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	20
100	10/16	10727850	220	300	325	286	435	180	8 x 19	19	F10	125	102	4 x 12	20	6	39	20	24
125	10/16	10727860	250	325	362	323	487	210	8 x 19	19	F10	125	102	4 x 12	20	6	39	25	30
150	10/16	10727870	285	350	425	384	568	240	8 x 23	19	F10	125	102	4 x 12	20	6	41	30	44
200	10	10727880	340	400	505	459	683	295	8 x 23	20	F10	125	102	4 x 12	20	6	46	34	59
200	16	10727885	340	400	505	459	683	295	12 x 23	20	F10	125	102	4 x 12	20	6	46	34	59
250	10	10727890	400	450	595	545	805	350	12 x 23	22	F14	175	140	4 x 18	30	8	50	42	98
250	16	10727895	400	450	595	545	805	355	12 x 28	22	F14	175	140	4 x 18	30	8	50	42	98
300	10	10727900	455	500	670	620	898	400	12 x 23	24.5	F14	175	140	4 x 18	30	8	50	50	137
300	16	10727905	455	500	670	620	898	410	12 x 28	24.5	F14	175	140	4 x 18	30	8	50	50	137
350	10	10727910	505	550	940	875	1193	460	16 x 23	24.5	F14	175	140	4 x 18	30	8	65	67	257
350	16	10727915	520	550	940	875	1200	470	16 x 28	26.5	F14	175	140	4 x 18	30	8	65	67	261
400	10	10727920	565	600	940	875	1223	515	16 x 28	24.5	F14	175	140	4 x 18	30	8	65	67	280
400	16	10727925	580	600	940	875	1230	525	16 x 31	28	F14	175	140	4 x 18	30	8	65	67	283

continued on next page

All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.4 2/3

FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S15 3000
prepared for electric actuator
 DN 40 - 600 PN10/16

01.203



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	∅ a1 mm	a2 mm	h mm	turns to open	Kg approx.
450	10	10727930	615	650	1120	1055	1428	565	20 x 28	25.5	F14	175	140	4 x 18	30	8	65	71	451
450	16	10727935	640	650	1120	1055	1440	585	20 x 31	30	F14	175	140	4 x 18	30	8	65	71	468
500	10	10727940	670	700	1120	1055	1455	620	20 x 28	26.5	F14	175	140	4 x 18	30	8	65	71	485
500	16	10727945	715	700	1120	1055	1478	650	20 x 34	31.5	F14	175	140	4 x 18	30	8	65	71	502
600	10	10727950	780	800	1370	1290	1680	725	20 x 31	30	F16	210	165	4 x 22	40	12	80	86	643
600	16	10727955	840	800	1370	1290	1710	770	20 x 37	36	F16	210	165	4 x 22	40	12	80	86	693



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FLANGED SOFT SEALING GATE VALVE S15 3000
with **AUMA electric actuator**
DN 40 - 600 PN10/16

01.203A



Product description

- Flanged soft sealing gate valve series 3000 with AUMA electric actuator for drinking water and neutral liquids
- Face-to-face length – S15
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 15
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water with full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM, exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of stem in stainless steel AISI 316L, NBR sealings, wedge nut in different brass grades, actuator Auma Norm single phase, Auma Matic, Aumatic or others.



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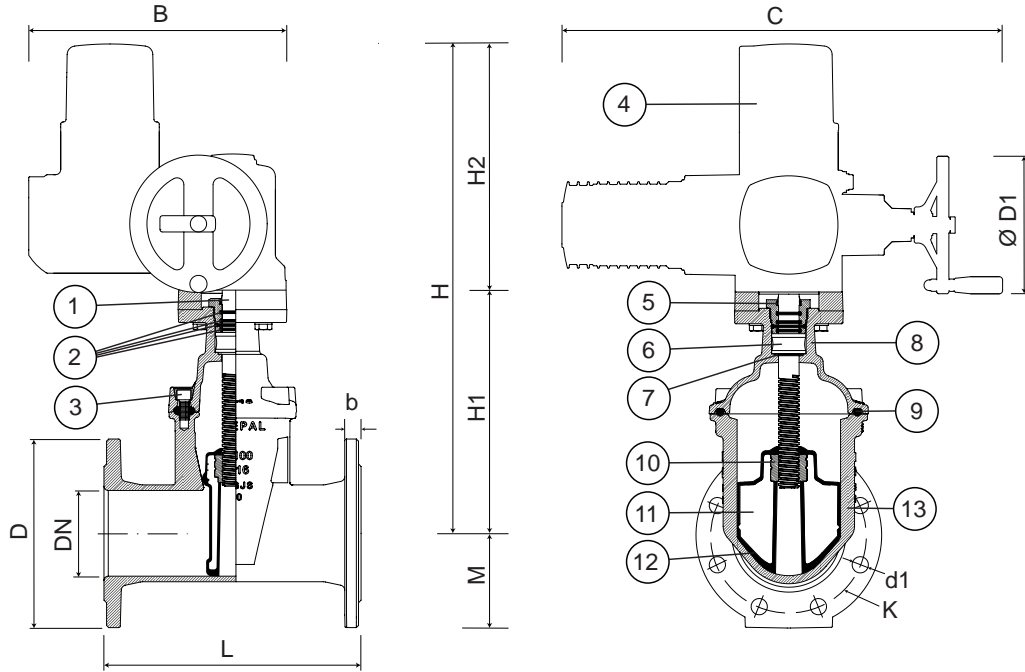
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FLANGED SOFT SEALING GATE VALVE S15 3000

with **AUMA** electric actuator

DN 40 - 600 PN10/16

01.203A



Component list

pos.	components	material	standard
1	Stem	Stainless stell AISI 420	EN 10088 - 1
2	O-rings	Elastomer EPDM	EN 681 - 1
3	Bolts	Stainless stell A2	EN 10088 - 1
4	AUMA electric actuator		
5	Clearing joint	Elastomer	
6	Stem washer	Brass CW603N	EN 12164
7	O-rings	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA actuator	B	C	Ø D1	H2	RPM actuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm			
40	10/16	10726500A	150	240	496	208	75	110	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	36
50	10/16	10726510A	165	250	496	208	83	125	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	38
60	10/16	10726520A	175	270	505	217	88	135	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	40
65	10/16	10726530A	185	270	505	217	93	145	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	40
80	10/16	10726540A	200	280	545	257	100	160	8 x 19	19	F10	SA 07.6	300	514	160	288	45	22	45
100	10/16	10726550A	220	300	576	286	110	180	8 x 19	19	F10	SA 10.2	313	537	200	290	45	27	52
125	10/16	10726560A	250	325	613	323	125	210	8 x 19	19	F10	SA 10.2	313	537	200	290	45	34	58
150	10/16	10726570A	285	350	674	384	143	240	8 x 23	19	F10	SA 10.2	313	537	200	290	45	40	72
200	10	10726580A	340	400	749	459	115	295	8 x 23	20	F10	SA 10.2	313	537	200	290	45	45	87
200	16	10726585A	340	400	749	459	115	295	12 x 23	20	F10	SA 10.2	313	537	200	290	45	45	87
250	10	10726590A	400	450	861	545	200	350	12 x 23	22	F14	SA 14.2	377	725	315	316	22	114	157
250	16	10726595A	400	450	861	545	200	355	12 x 28	22	F14	SA 14.2	377	725	315	316	22	114	157
300	10	10726600A	455	500	936	620	228	400	12 x 23	24.5	F14	SA 14.2	377	725	315	316	22	137	196
300	16	10726605A	455	500	936	620	228	410	12 x 28	24.5	F14	SA 14.2	377	725	315	316	22	137	196
350	10	10726610A	505	550	1191	875	253	460	16 x 23	24.5	F14	SA 14.6	377	728	400	316	22	183	320
350	16	10726615A	520	550	1191	875	260	470	16 x 28	26.5	F14	SA 14.6	377	728	400	316	22	183	324
400	10	10726620A	565	600	1191	875	283	515	16 x 28	24.5	F14	SA 14.6	377	728	400	316	22	183	343
400	16	10726625A	580	600	1191	875	290	525	16 x 31	28	F14	SA 14.6	377	728	400	316	22	183	346
450	10	10726630A	615	650	1371	1055	308	565	20 x 28	25.5	F14	SA 14.6	377	728	400	316	22	171	514
450	16	10726635A	640	650	1371	1055	320	585	20 x 31	30	F14	SA 14.6	377	728	400	316	22	171	531
500	10	10726640A	670	700	1371	1055	335	620	20 x 28	26.5	F14	SA 14.6	377	728	400	316	22	171	548
500	16	10726645A	715	700	1371	1055	358	650	20 x 34	31.5	F14	SA 14.6	377	728	400	316	22	171	565

continued on next page

FLANGED SOFT SEALING GATE VALVE S15 3000
with AUMA electric actuator
 DN 40 - 600 PN10/16

01.203A



continued from previous page

DN	PN	código	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA atuator	B	C	Ø D1	H2	RPM atuador	tempo fecho s.	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm			
600	10	10726650A	780	800	1550	1210	390	725	20 x 31	30	F16	SA 16.2	422	795	500	340	22	205	710
600	16	10726655A	840	800	1550	1210	420	770	20 x 37	36	F16	SA 16.2	422	795	500	340	22	205	760

Electric actuator with RPMs other than those mentioned, on request.
 For more information on the electric actuator consult the manufacturer's technical documentation.



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Product description

- Flanged soft sealing gate valve with ISO top flange prepared for electrical actuator series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN25
- Face-to-face according to EN 558 series 15
- ISO top flange according to ISO 5210

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- ISO top flange according ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator and bevel gearbox
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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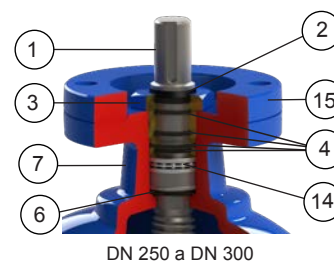
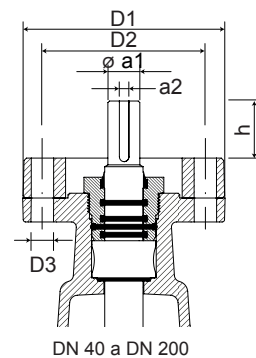
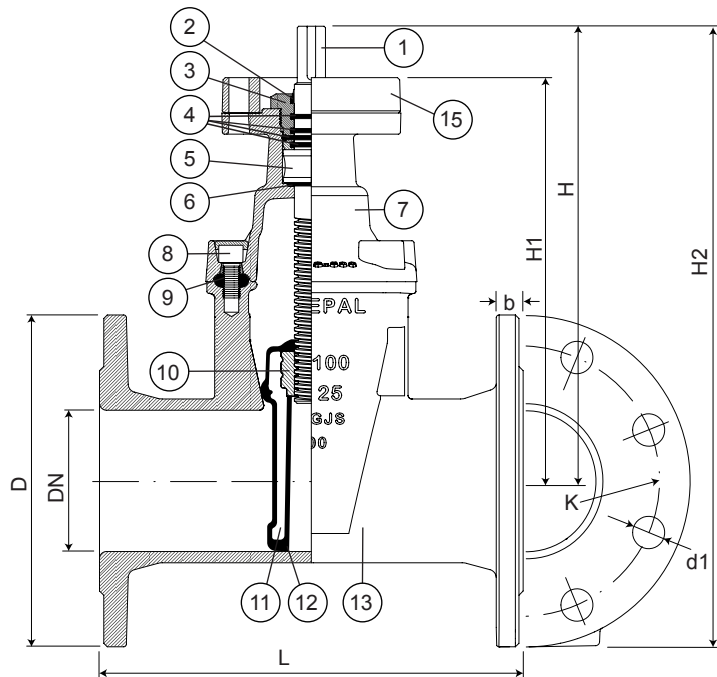
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FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S15 3000

prepared for electric actuator
DN 40 - 300 PN25

01.204



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Gland	Brass CW614N	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
10	Wedge nut	Brass CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Mouting flange	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	H2	K	n° x d1	b	ISO 5210 flange	D1	D2	n° x D3	ø a1	a2	h	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm		
40	25	10731010	150	240	207	177	282	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	11
50	25	10731020	165	250	238	208	321	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	13
60	25	10731030	175	270	250	217	338	135	8 x 19	19	F10	125	102	4 x 12	20	6	33	13	18
65	25	10731040	185	270	250	217	343	145	8 x 19	19	F10	125	102	4 x 12	20	6	33	13	18
80	25	10731050	200	280	286	253	386	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	22
100	25	10731060	235	300	325	286	443	190	8 x 23	19	F10	125	102	4 x 12	20	6	39	20	27
125	25	10731070	270	325	362	323	497	220	8 x 28	19	F10	125	102	4 x 12	20	6	39	25	35
150	25	10731080	300	350	425	384	575	250	8 x 28	20	F14	175	140	4 x 18	30	8	41	30	48
200	25	10731090	360	400	505	459	683	310	12 x 28	22	F14	175	140	4 x 18	30	8	46	34	69
250	25	10731100	425	450	595	545	805	370	12 x 31	24.5	F14	175	140	4 x 18	30	8	50	42	99
300	25	10731110	485	500	665	615	908	430	16 x 31	27.5	F14	175	140	4 x 18	30	8	50	50	169



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FLANGED SOFT SEALING GATE VALVE S15 3000
with **AUMA electric actuator**
DN 40 - 300 PN25

01.204A



Product description

- Flanged soft sealing gate valve series 3000 with AUMA electric actuator for drinking water and neutral liquids
- Face-to-face length – S15
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN25
- Face-to-face according to EN 558 serie 15
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water with full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM, exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of stem in stainless steel AISI 316L, NBR sealings, wedge nut in different brass grades, actuator Auma Norm single phase, Auma Matic, Aumatic or others.



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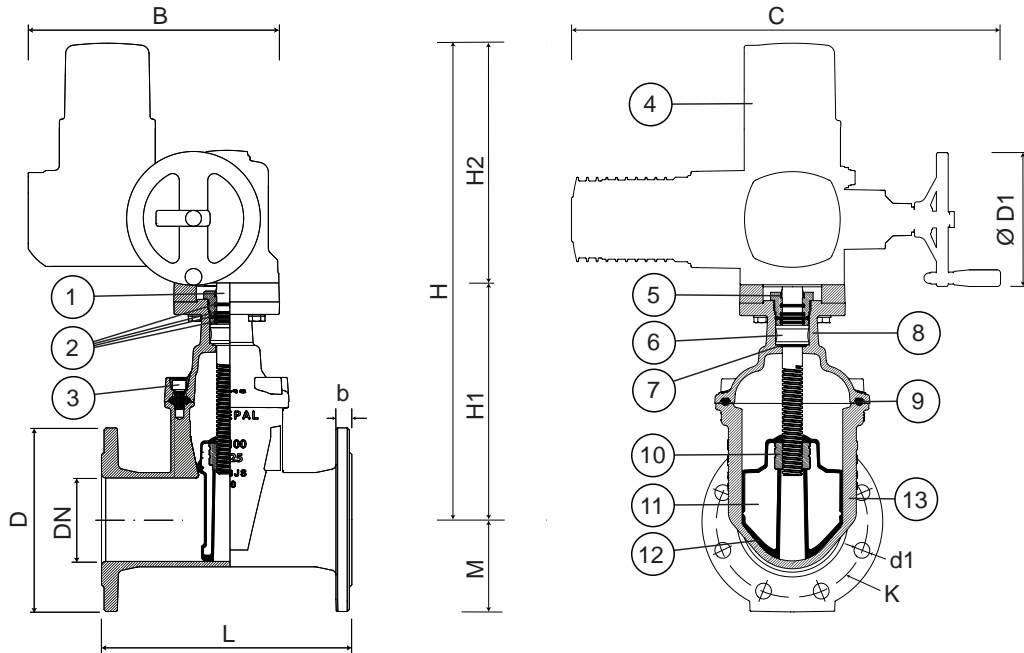
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FLANGED SOFT SEALING GATE VALVE S15 3000

with **AUMA electric actuator**

DN 40 - 300 PN25

01.204A



Component list

pos.	components	material	standard
1	Stem	Stainless stell AISI 420	EN 10088 - 1
2	O-rings	Elastomer EPDM	EN 681 - 1
3	Bolts	Stainless stell A2	EN 10088 - 1
4	AUMA electric actuator		
5	Clearing joint	Elastomer	
6	Stem washer	Brass CW603N	EN 12164
7	O-rings	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA actuator	B	C	Ø D1	H2	RPM actuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm			
40	25	10726700A	150	240	496	208	75	110	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	65
50	25	10726710A	165	250	496	208	83	125	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	75
60	25	10726720A	175	270	505	217	88	135	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	85
65	25	10726730A	185	270	505	217	93	145	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	90
80	25	10726740A	200	280	545	257	100	160	8 x 19	19	F10	SA 07.6	300	514	160	288	45	22	105
100	25	10726750A	235	300	576	286	118	180	8 x 19	19	F10	SA 10.2	313	537	200	290	45	27	128
125	25	10726760A	270	325	613	323	135	210	8 x 19	19	F10	SA 10.2	313	537	200	290	45	34	153
150	25	10726770A	300	350	700	384	150	240	8 x 23	20	F14	SA 14.2	377	725	315	316	45	40	209
200	25	10726780A	360	400	775	459	180	295	8 x 23	22	F14	SA 14.2	377	725	315	316	45	45	259
250	25	10726790A	425	500	931	615	213	350	12 x 23	24.5	F14	SA 14.2	377	725	315	316	22	114	309
300	25	10726800A	485	500	936	620	243	400	12 x 23	27.5	F14	SA 14.6	377	728	400	316	22	137	363

Electric actuator with RPMs other than those mentioned, on request.

For more information on the electric actuator consult the manufacturer's technical documentation.



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FLANGED SOFT SEALING GATE VALVE S15 3000

with pneumatic cylinder

DN 50 - 300 PN10/16

01.205



Product description

- Flanged soft sealing gate valve series 3000 with pneumatic cylinder actuator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve for drinking water
- Full bore
- Shaft sealing system with 3 O-rings in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Double acting pneumatic actuator with position sensing for open/close operation approved by ATEX
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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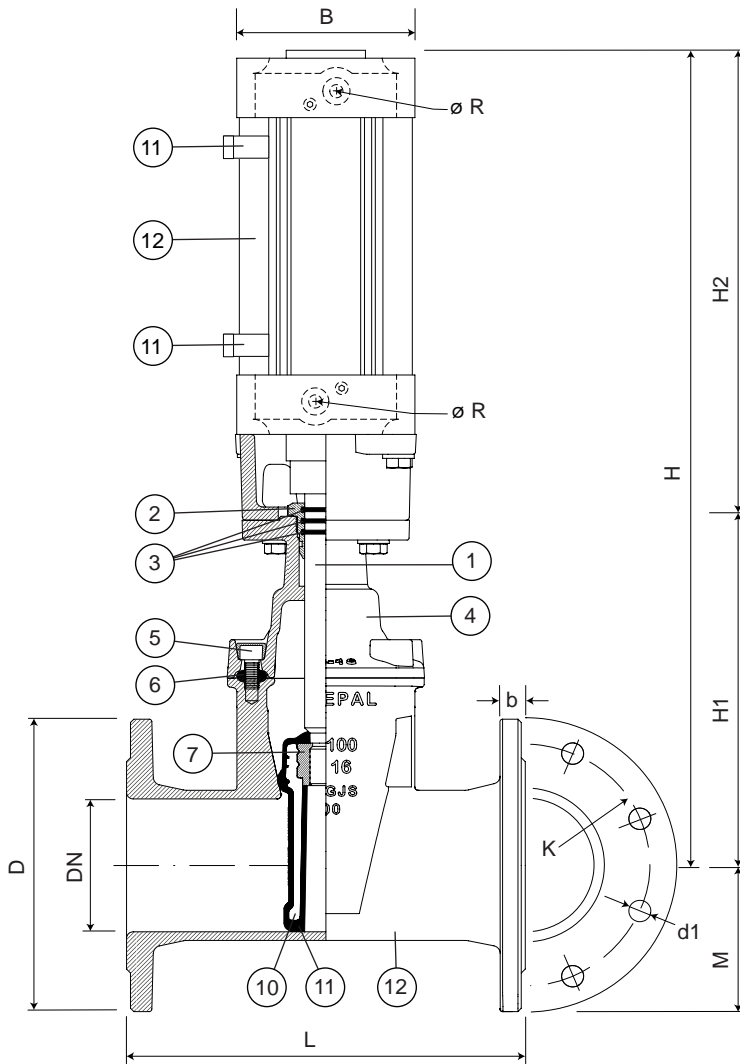
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FLANGED SOFT SEALING GATE VALVE S15 3000

with pneumatic cylinder

DN 50 - 300 PN10/16

01.205



Component list

pos.	components	material	standard
1	Shaft	Stainless steel AISI 420	EN 10088 - 1
2	Stem washer	Brass CW614N	EN 12164
3	O-rings	Elastomer EPDM	EN 681 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer EPDM	EN 681 - 1
7	Wedge nut	Brass CW602N	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer EPDM	EN 681 - 1
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Open-close limit switching (option)	-	-
12	Pneumatic cylinder	Aluminium and stainless steel	-

Reference and dimensions

DN	PN	code	D	L	H	M	H1	H2	K	n° x d1	b	B	$\varnothing R$	Kg
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	approx.
40	10/16	10727200	150	240	283	75	208	75	110	4 x 19	19	100	G 1/2"	16
50	10/16	10727205	165	250	283	83	208	75	125	4 x 19	19	100	G 1/2"	18
60	10/16	10727210	175	270	307	88	217	90	135	4 x 19	19	100	G 1/2"	20
65	10/16	10727215	185	270	307	93	217	90	145	4 x 19	19	100	G 1/2"	20
80	10/16	10727220	200	280	362	100	257	105	160	8 x 19	19	125	G 3/4"	25
100	10/16	10727225	220	300	411	110	286	125	180	8 x 19	19	125	G 3/4"	33
125	10/16	10727230	250	325	473	125	323	150	210	8 x 19	19	160	G 3/4"	46
150	10/16	10727235	285	350	559	143	384	175	240	8 x 23	19	160	G 3/4"	60
200	10	10727240	340	400	684	170	459	225	295	8 x 23	20	200	G 3/4"	86
200	16	10727242	340	400	684	170	459	225	295	12 x 23	20	200	G 3/4"	86
250	10	10727245	400	450	820	200	545	275	350	12 x 23	22	200	G 1"	138
250	16	10727250	400	450	820	200	545	275	355	12 x 28	22	200	G 1"	138
300	10	10727255	455	500	945	228	620	325	400	12 x 23	24.5	200	G 1"	200
300	16	10727260	455	500	945	228	620	325	410	12 x 28	24.5	200	G 1"	200



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100% MADE IN EUROPE



Product description

- Flanged soft sealing gate valve S15 series NEXUS for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000009
- ACS Potability Certificate 23 ACC NY 441
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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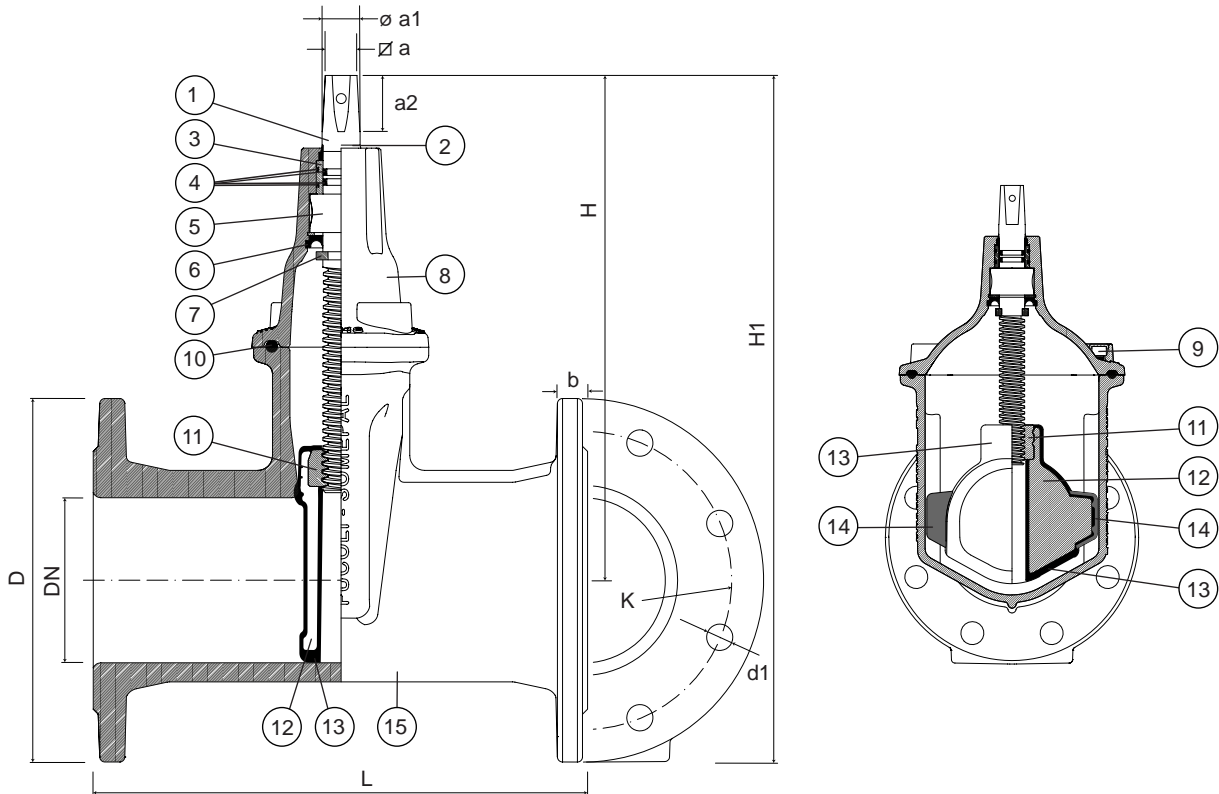
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FLANGED SOFT SEALING GATE VALVE S15 NEXUS

DN 50 - 300 PN10/16

01.210



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Joint	Elastomer EPDM	EN 681 - 1
7	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Wedge guide	Polyamide	
15	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	min	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10733010	165	250	214	297	125	4 x 19	19	14.1	18	29	13	10
60*	10/16	10733015FL	185	270	252	345	135	4 x 19	19	17.1	22	34	14	13
65	10/16	10733015	185	270	252	345	145	4 x 19	19	17.1	22	34	14	13
80	10/16	10733020	200	280	277	377	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10733025	220	300	306	416	180	8 x 19	19	19.1	23	38	20	19
125	10/16	10733030	250	325	342	467	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10733035	285	350	400	542	240	8 x 23	19	19.1	26	38	30	35
200	10	10733040	340	400	471	641	295	8 x 23	20	24.1	28	38	40	52
200	16	10733045	340	400	471	641	295	12 x 23	20	24.1	28	38	40	52
250	10	10733050	400	450	601	801	350	12 x 23	22	27.1	32	47	42	78
250	16	10733055	400	450	601	801	355	12 x 28	22	27.1	32	47	42	78
300	10	10733060	455	500	682	910	400	12 x 23	24.5	27.1	32	47	50	-
300	16	10733065	455	500	682	910	410	12 x 28	24.5	27.1	32	47	50	-

* DN65 valve with DN60 flange drilling



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100% MADE IN EUROPE



Product description

- Spigot end soft sealing gate valve series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476,-1 EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000002
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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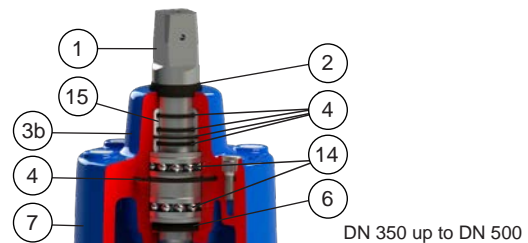
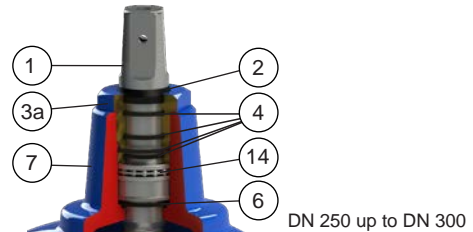
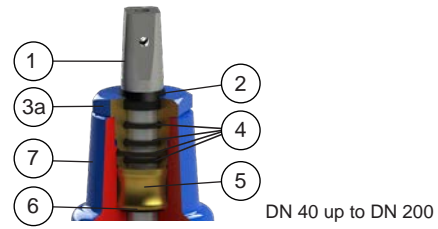
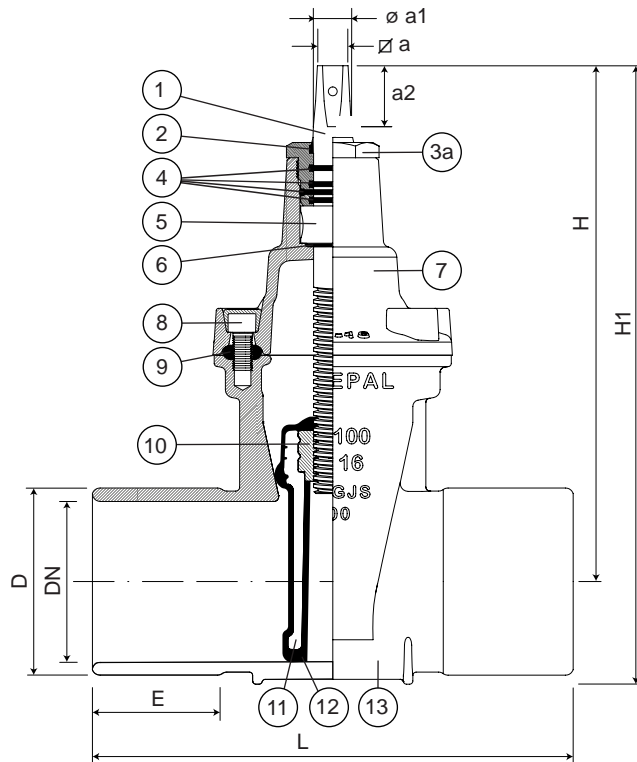
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SPIGOT END SOFT SEALING GATE VALVE 3000 DN 50 - 500 PN16

01.301



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass CW603N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	code	D class 18	L mm	E min	H mm	H1 mm	∅ a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
50	10723010	65	250	72	235	272	14.1	20	29	13	7
60	10723020	76	270	72	250	295	17.1	22	34	13	9
65	10723025	82	270	72	250	295	17.1	22	34	13	9
80	10723030	96	280	74	290	342	17.1	22	34	16	12
100	10723040	118	300	80	325	390	19.1	24	38	20	16
100	10723043	118	600	230	325	390	19.1	24	38	20	24
125	10723050	145	325	96	362	442	19.1	26	38	25	20
150	10723060	174	350	100	425	520	19.1	28	38	30	31
150	10723063	174	600	225	425	520	19.1	28	38	30	48
200	10723070	228	400	110	505	628	24.1	32	42	34	48
250	10723080	282	450	128	595	745	27.1	36	47	42	70
300	10723090	338	500	145	670	850	27.1	36	47	50	113
350	10723100	396	550	145	940	1180	32.1	45	55	67	260
400	10723110	452	600	145	940	1180	32.1	45	55	67	278
450	10723120	512	650	145	1120	1415	32.1	50	55	71	470
500	10723130	568	700	150	1120	1415	32.1	50	55	71	509



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100% MADE IN EUROPE

for uPVC pipes

DN 50 - 250 PN16

**Product description**

- Soft sealing gate valve with socket ends for uPVC pipes series NEXUS for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- For PVC pipes according to EN ISO 1452-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000009
- ACS Potability Certificate 23 ACC NY 441

Features

- Isolation valve approved for drinking water
- Full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Suitable for PVC piper
- Socket ends with EPDM double lip seal ring to ensure a perfect sealing
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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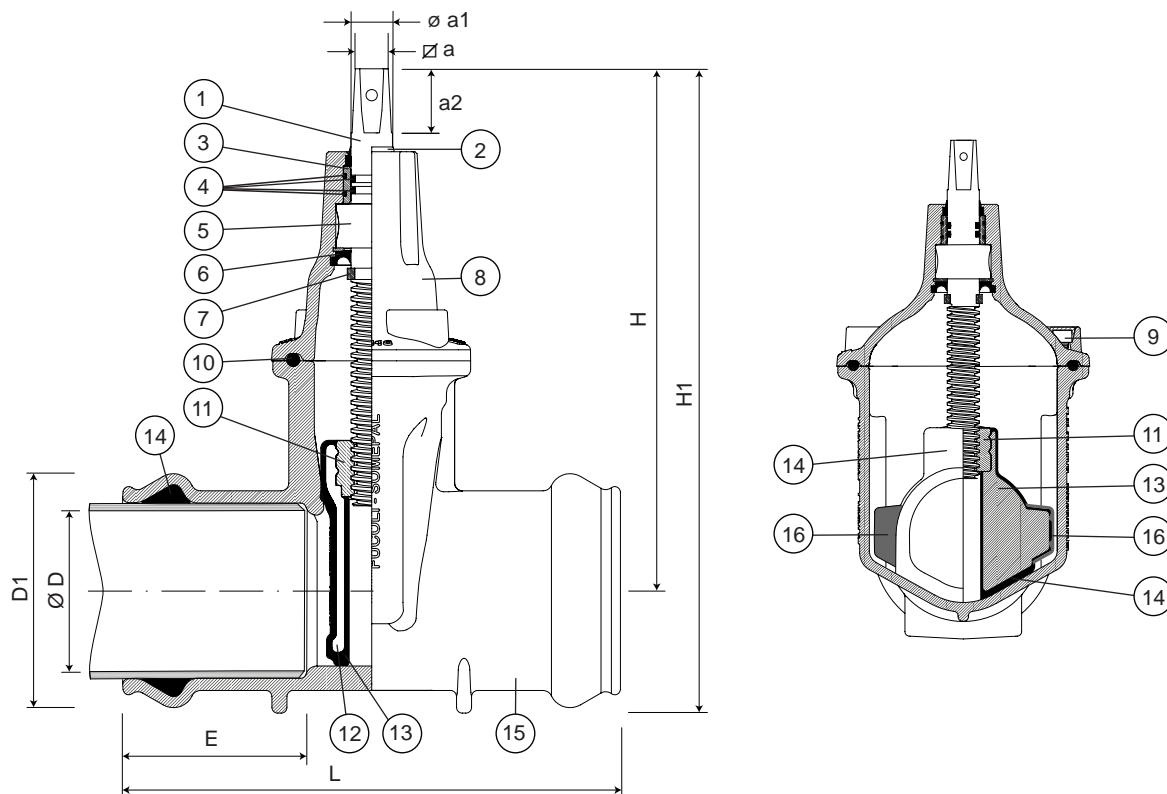
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SOFT SEALING GATE VALVE SOCKET ENDS FOR UPVC NEXUS
for uPVC pipes
 DN 50 - 250 PN16

01.402



Component list

pos.	components	material	standard	pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1	9	Bolts	Stainless steel A2	EN 10088 - 1
2	Clearing joint	Elastomer	-	10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
3	Bearing	POM	-	11	Wedge nut	Brass	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1	12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
5	Stem washer	Brass	EN 12164	13	Wedge covering	Elastomer EPDM	EN 681 - 1
6	Joint	Elastomer EPDM	EN 681 - 1	14	Lip seal ring	Elastomer EPDM	EN 681 - 1
7	Wedge stop	Stainless steel AISI 420	EN 10088 - 1	15	Body	Ductile iron EN-GJS-500-7	EN 1563
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563	16	Wedge guide	Polyamide	-

Reference and dimensions

DN	Ø D ext. PVC	code	D1 mm	L mm	E min	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
50	63	10720805	93	235	91	214	263	14.1	18	29	13	6
65	75	10720810	106	260	99	252	308	17.1	22	34	14	8
80	90	10720815	124	265	102	277	342	17.1	22	34	16	11
100	110	10720820	147	275	111	306	380	19.1	23	38	20	13
125	125	10720825	161	315	117	342	425	19.1	23	38	25	17
150	160	10720835	201	320	117	400	500	19.1	26	38	30	26
200	200	10720840	245	370	137	471	600	24.1	28	38	40	38
200	225	10720845	271	378	137	471	613	24.1	28	38	40	47
250	250	10720850	302	423	152	600	755	27.1	32	47	42	62



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100% MADE IN EUROPE

for uPVC pipes

DN 40 - 400 PN16

**Product description**

- Soft sealing gate valve with socket ends for uPVC pipes series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- For PVC pipes according to EN ISO 1452-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000002
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, DN 400 is equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with "soft stop" system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with "monorail" system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Suitable for PVC piper
- Socket ends with EPDM double lip seal ring to ensure a perfect sealing
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

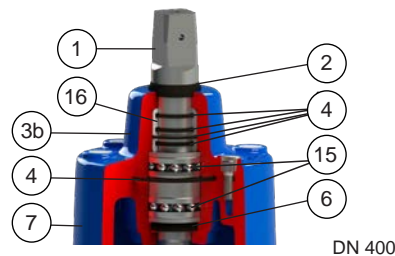
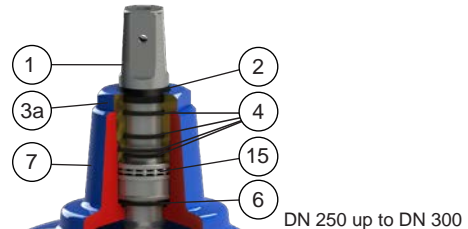
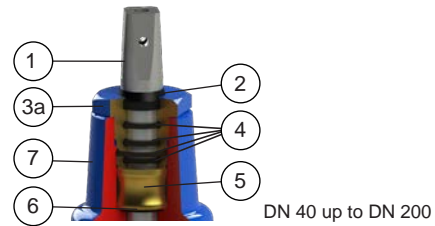
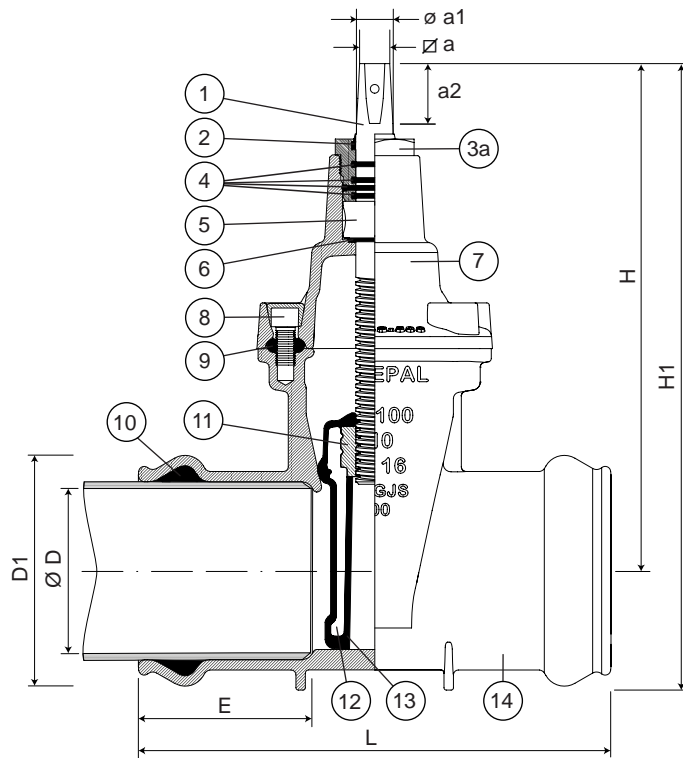


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron	EN 1563
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Lip seal ring	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass CW603N	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Body	Ductile iron EN-GJS-500-7	EN 1563
15	Bearing	Steel	ISO 20516
16	Gland bush	POM	

Reference and dimensions

DN	$\varnothing D$ ext. PVC	code	D1 mm	L mm	E min	H mm	H1 mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
40	50	10720994	74	220	76	234	274	14.1	20	29	13	7
50	63	10721004	93	250	91	235	285	14.1	20	29	13	7
65	75	10721014	106	270	99	250	305	17.1	22	34	13	9
80	90	10721024	124	280	102	290	355	17.1	22	34	20	13
100	110	10721034	147	300	111	325	400	19.1	24	38	20	16
125	125	10721044	161	325	117	362	445	19.1	26	38	25	19
125	140	10721054	178	325	117	362	455	19.1	26	38	25	20
150	160	10721064	201	350	117	425	530	19.1	28	38	30	30
200	200	10721074	245	400	137	505	630	24.1	32	42	34	44
200	225	10721069	271	400	135	505	643	24.1	32	42	34	47
250	250	10721084	302	450	150	595	750	27.1	36	47	42	65
300	315	10721094	372	490	166	670	860	27.1	36	47	50	98
400	400	10721104	464	640	195	940	1180	32.1	45	55	67	235



for PE and uPVC pipes

DN 50 - 200 PN10/16

**Product description**

- Soft sealing gate valve with restrain system for PE and uPVC pipes series NEXUS BLOCKPLUS for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- For PE pipes PE 80 and PE 100 according to EN 12201, DIN 8074
- For PVC pipes according to EN ISO 1452-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000009
- ACS Potability Certificate 23 ACC NY 441
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water with full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and PVC pipes preventing axial pipe pull out
- Socket ends with EPDM double lip seal ring to ensure a perfect sealing
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock ring system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.

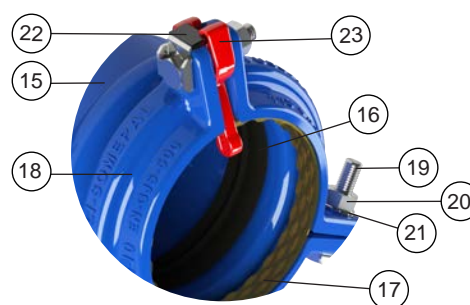
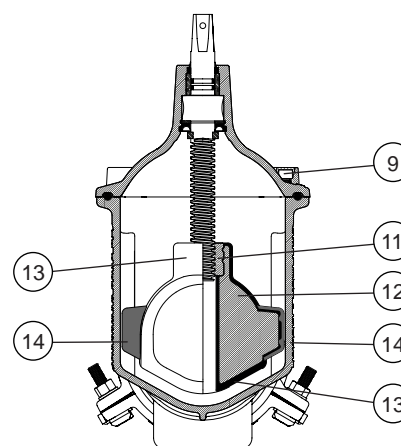
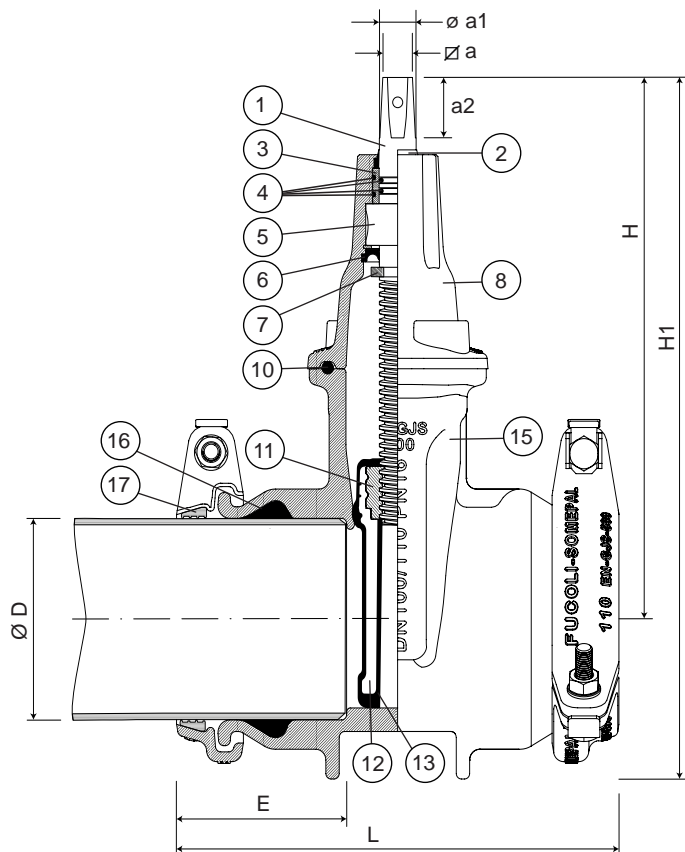


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Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Joint	Elastomer EPDM	EN 681 - 1
7	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Wedge guide	Polyamide	
15	Body	Ductile iron EN-GJS-500-7	EN 1563
16	Lip seal ring	Elastomer EPDM	EN 681 - 1
17	Grip ring	Brass	EN 1982
18	Lock ring	Ductile iron EN-GJS-500-7	EN 1563
19	Bolts	Stainless steel A2	EN 10088 - 1
20	Nuts	Stainless steel A4	EN 10088 - 1
21	Washer	Stainless steel A2	EN 10088 - 1
22	Bolt head locking device	Stainless steel A2 with protection coating	EN 10088 - 1
23	Stop tab	Polypropylene	

Reference and dimensions

DN	$\varnothing D$ ext. PE/PVC	code	L mm	E mm	H mm	H1 mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
50	63	10720700	227	86	214	277	14.1	18	29	13	8
65	75	10720705	249	94	252	300	17.1	22	34	14	11
80	90	10720710	262	97	277	345	17.1	22	34	16	14
100	110	10720714	264	102	306	398	19.1	23	38	20	15
125	125	10720720	302	108	342	450	19.1	23	38	25	22
150	160	10720725	338	125	400	510	19.1	26	38	30	31
200	200	10720730	401	138	471	606	24.1	28	38	40	46



SOFT SEALING GATE VALVE WITH PE PIPES SPIGOT ENDS 3000
PE100 PN16 SDR11 pipe end
DN 50 - 400 PN16

01.501



Product description

- Soft sealing gate valve with PE spigot ends series 3000 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- PE 100 PN16 SDR11 pipe according to EN 12201-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000002
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve for drinking water with full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, DN 400 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- PE100 PN16 SDR11 pipe end that allow a perfect butt fusion and electrofusion with the PE pipeline
- The PE pipe is pressed onto the grooved valve end body and blocked with a cast iron sleeve and sealed with plastic shrink hose
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

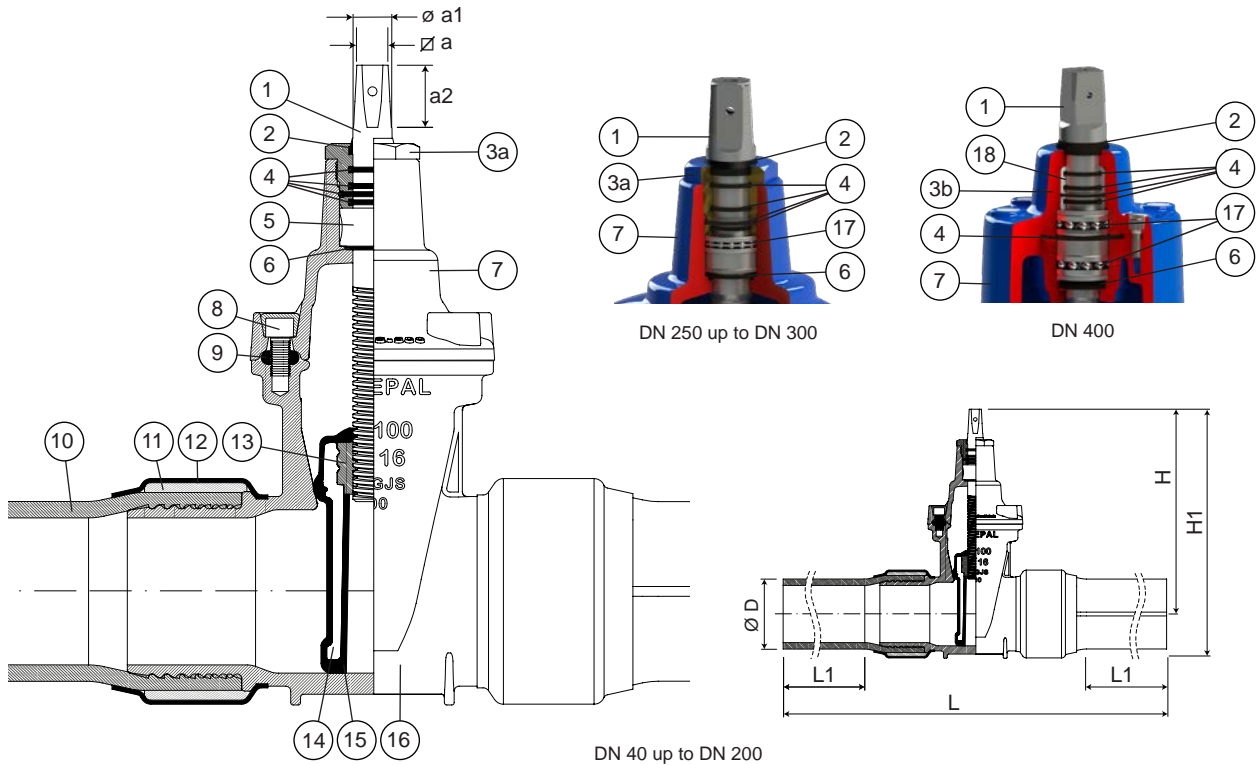


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	-
3a	Gland	Brass CW614N	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass CW603N	EN 12164
6	O-ring	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
10	Pipe	PE100 PN16 SDR11	EN 12201 - 2
11	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
12	Shrink hose	Plastic	-
13	Wedge nut	Brass CW603N	EN 12164
14	Wedge	Ductile iron EN-GJS-500-7	EN 1563
15	Wedge covering	Elastomer EPDM	EN 681 - 1
16	Body	Ductile iron EN-GJS-500-7	EN 1563
17	Bearing	Steel	ISO 20516
18	Gland bush	POM	-

Reference and dimensions

DN	Ø D ext. PE	code	L mm	L1 mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
50	63	10750034	680	190	235	276	14.1	20	29	13	9
65	75	10750044	700	190	250	298	17.1	22	34	13	11
80	90	10750054	800	230	290	350	17.1	22	34	16	17
100	110	10750064	800	230	325	395	19.1	24	38	20	21
125	125	10750070	845	240	362	443	19.1	26	38	25	26
125	140	10750080	845	240	362	451	19.1	26	38	25	35
150	160	10750090	900	250	425	527	19.1	28	38	30	40
150	180	10750100	900	250	425	527	19.1	28	38	30	50
200	200	10750110	1050	285	505	628	24.1	32	42	34	69
200	225	10750120	1050	285	505	642	24.1	32	42	34	70
250	250	10750130	1100	285	595	744	27.1	36	47	42	94
250	280	10750140	1100	285	595	745	27.1	36	47	42	129
300	315	10750150	1300	330	670	850	27.1	36	47	50	156
300	355	10750155	1300	330	670	890	27.1	36	47	50	175
400	400	10750160	1400	330	940	1180	32.1	45	55	67	335



PE100 PN16 SDR11 pipe end

DN 50 - 200 PN16

**Product description**

- Soft sealing gate valve series NEXUS with flange/PE pipe spigot end for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- PE 100 PN16 SDR11 pipe according to EN 12201-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 23 ACC NY 441
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve for drinking water with full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- PE100 PN16 SDR11 pipe end that allow a perfect butt fusion and electrofusion with the PE pipeline
- The PE pipe is pressed onto the grooved valve end body and blocked with a cast iron sleeve and sealed with plastic shrink hose
- Accessories: handwheel (ref.05.100), stem cap (ref. 05.200), extension spindle (ref. 05.300) and surface box (ref. 05.500)
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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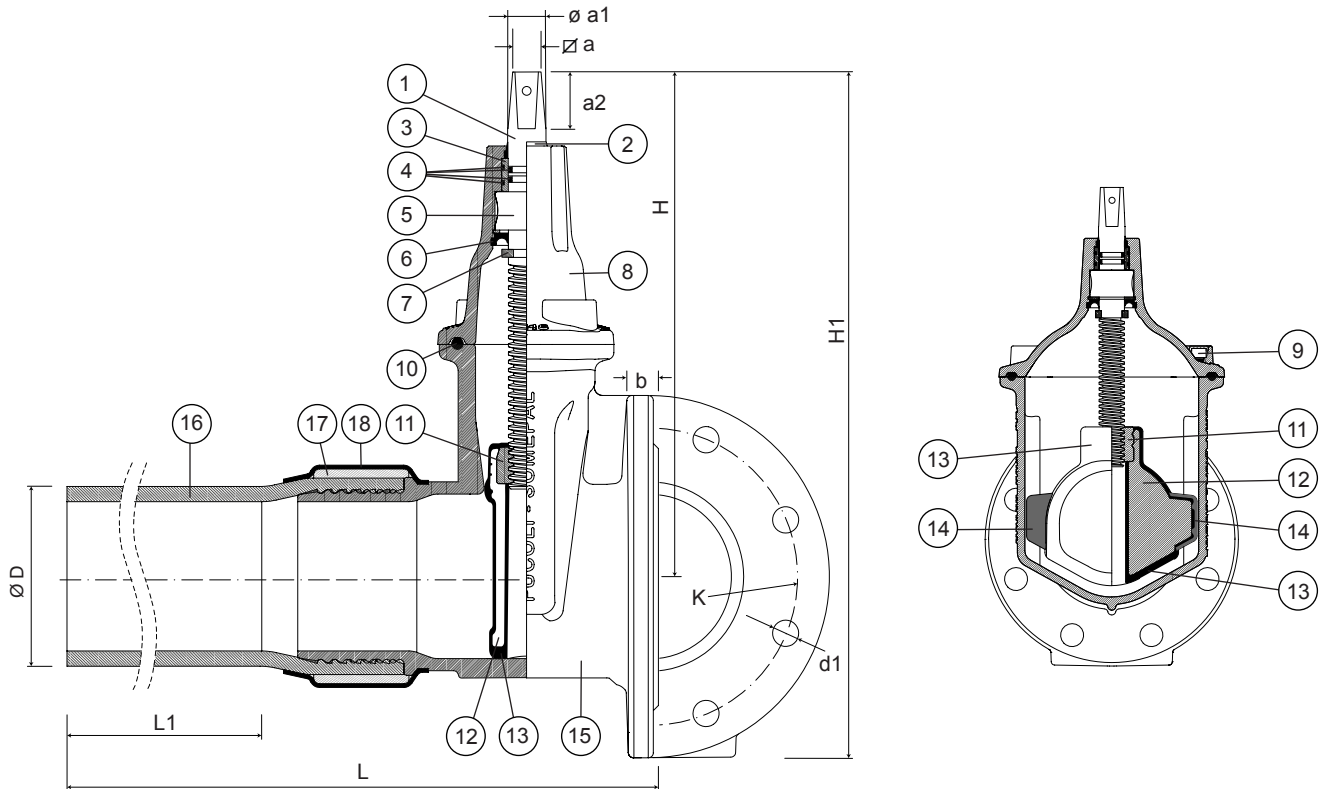
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SOFT SEALING GATE VALVE FLANGE/PE SPIGOT END NEXUS

PE100 PN16 SDR11 pipe end

DN 50 - 200 PN16

01.511



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Joint	Elastomer EPDM	EN 681 - 1
7	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Wedge guide	Polyamide	
15	Body	Ductile iron EN-GJS-500-7	EN 1563
16	Pipe	PE100 PN16 SDR11	EN 12201 - 2
17	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
18	Shrink hose	Plastic	

Reference and dimensions

DN	flange mm	$\varnothing D$ ext. PE	PN	code	L mm	L1 min	H mm	H1 mm	D mm	K mm	n° x d1 mm	b mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
50	50	63	16	10750610	410	190	214	297	165	125	4 x 19	19	14.1	18	29	13	8
50	60/65	63	16	10750612	410	190	214	307	185	135/145	4 x 19	19	14.1	18	29	13	8
65	60/65	75	16	10750615	430	190	252	345	185	135/145	4 x 19	19	17.1	22	34	14	10
80	80	90	16	10750620	480	230	277	377	200	160	8 x 19	19	17.1	22	34	16	14
100	100	110	16	10750625	485	230	306	416	220	180	8 x 19	19	19.1	23	38	20	17
100	100	125	16	10750630	495	240	306	416	220	180	8 x 19	19	19.1	23	38	25	18
150	150	160	16	10750635	545	250	400	542	285	240	8 x 23	19	19.1	26	38	30	34
150	150	180	16	10750640	545	250	400	542	285	240	8 x 23	19	19.1	26	38	30	35
200*	200	200	10	10750643	625	285	471	641	340	295	8 x 23	20	24.1	28	38	40	52
200	200	200	16	10750645	625	285	471	641	340	295	12 x 23	20	24.1	28	38	40	52
200*	200	225	10	10750647	630	285	471	641	400	295	8 x 23	20	24.1	28	38	40	53
200	200	225	16	10750650	630	285	471	641	400	295	12 x 23	20	24.1	28	38	40	53

* Flange drilling PN10, PE100 PN 16 SDR11



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FLANGED SOFT SEALING GATE VALVE S14 3000

with open/close indicator

DN 40 - 500 PN10/16

01.600



Product description

- Flanged soft sealing gate valve series 3000 with open/close indicator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with "soft stop" system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with "monorail" system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Position indicator for visual display of gate position
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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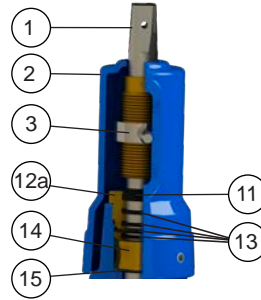
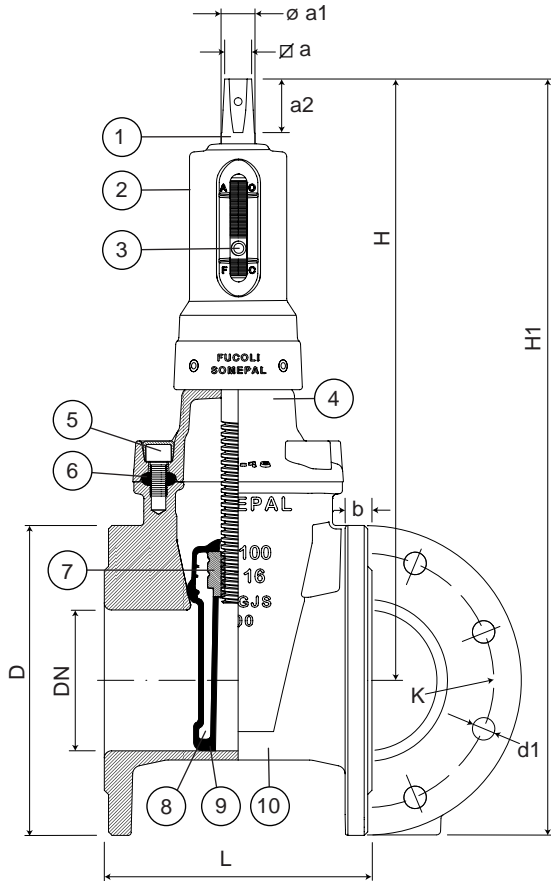
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FLANGED SOFT SEALING GATE VALVE S14 3000

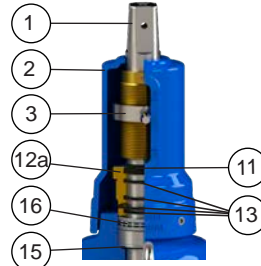
with open/close indicator

DN 40 - 500 PN10/16

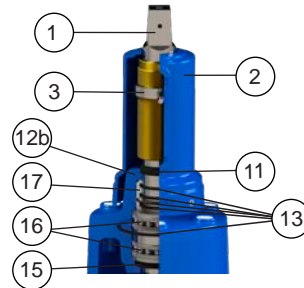
01.600



DN 40 up to DN 200



DN 250 up to DN 300



DN 350 up to DN 500

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Coupling	Ductile iron EN-GJS-500-7	EN 1563
3	Open-close indicated	Stainless steel AISI 420	EN 10088 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer EPDM	EN 681 -1
7	Wedge nut	Brass CW603N	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer EPDM	EN 681 -1

pos.	components	material	standard
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Clearing joint	Elastomer	
12a	Gland	Brass CW614N	EN 12164
12b	Gland	Ductile iron EN-GJS-500-7	EN 1563
13	O-rings	Elastomer EPDM	EN 681 - 1
14	Stem washer	Brass CW603N	EN 12164
15	O-ring	Elastomer EPDM	EN 681 - 1
16	Bearing	Steel	ISO 20516
17	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10724500	150	140	298	373	110	4 x 19	19	14.1	20	29	10	11
50	10/16	10724510	165	150	327	410	125	4 x 19	19	14.1	20	29	13	12
60	10/16	10724520	175	170	341	434	135	4 x 19	19	17.1	22	34	13	14
65	10/16	10724530	185	170	341	434	145	4 x 19	19	17.1	22	34	13	14
80	10/16	10724540	200	180	361	462	160	8 x 19	19	17.1	22	34	16	19
100	10/16	10724550	220	190	427	537	180	8 x 19	19	19.1	24	38	20	22
125	10/16	10724560	250	200	469	594	210	8 x 19	19	19.1	26	38	25	27
150	10/16	10724570	285	210	538	681	240	8 x 23	19	19.1	28	38	30	35
200	10	10724580	340	230	616	786	295	8 x 23	20	24.1	32	42	34	53
200	16	10724585	340	230	616	786	295	12 x 23	20	24.1	32	42	34	53
250	10	10724590	400	250	702	902	350	12 x 23	22	27.1	36	47	42	75
250	16	10724595	400	250	702	902	355	12 x 28	22	27.1	36	47	42	75

continued on next page

FLANGED SOFT SEALING GATE VALVE S14 3000
with open/close indicator
 DN 40 - 500 PN10/16

01.600



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
300	10	10724600	455	270	774	1016	400	12 x 23	24.5	27.1	36	47	50	107
300	16	10724605	455	270	774	1016	410	12 x 28	24.5	27.1	36	47	50	107
350	10	10724610	505	290	1114	1404	460	16 x 23	24.5	32.1	45	55	67	225
350	16	10724615	520	290	1114	1404	470	16 x 28	26.5	32.1	45	55	67	229
400	10	10724620	565	310	1114	1404	515	16 x 28	24.5	32.1	45	55	67	244
400	16	10724625	580	310	1114	1404	525	16 x 31	28	32.1	45	55	67	250
450	10	10724630	615	330	1284	1621	565	20 x 28	25.5	32.1	50	55	71	384
450	16	10724635	640	330	1284	1621	585	20 x 31	30	32.1	50	55	71	402
500	10	10724640	670	350	1284	1621	620	20 x 28	26.5	32.1	50	55	71	418
500	16	10724645	715	350	1284	1621	650	20 x 34	31.5	32.1	50	55	71	435



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100% MADE IN EUROPE

FLANGED SOFT SEALING GATE VALVE S14 3000
with open/close indicator & open-close limit switching
DN 40 - 500 PN10/16

01.600LS



Product description

- Flanged soft sealing gate valve series 3000 with open/close indicator and open-close switching for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Open and close indicator for easy viewing of wedge position
- Limit switches for electrical signal transmission with open and close position of the valve
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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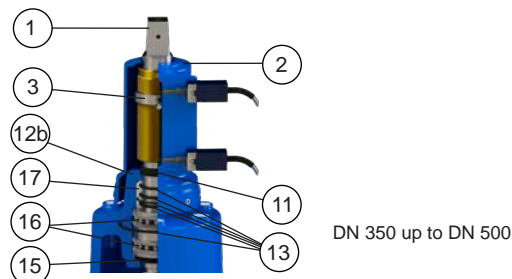
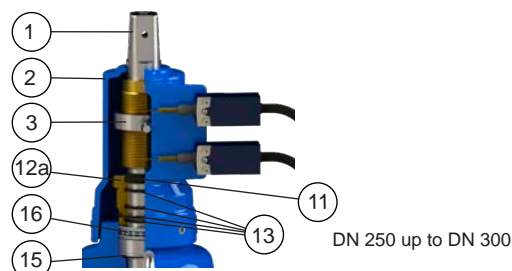
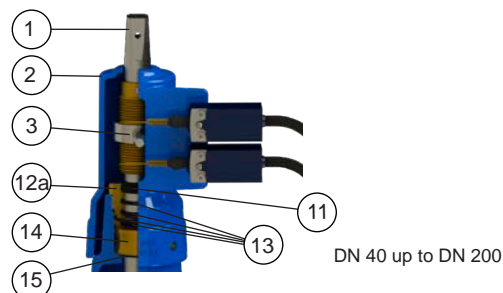
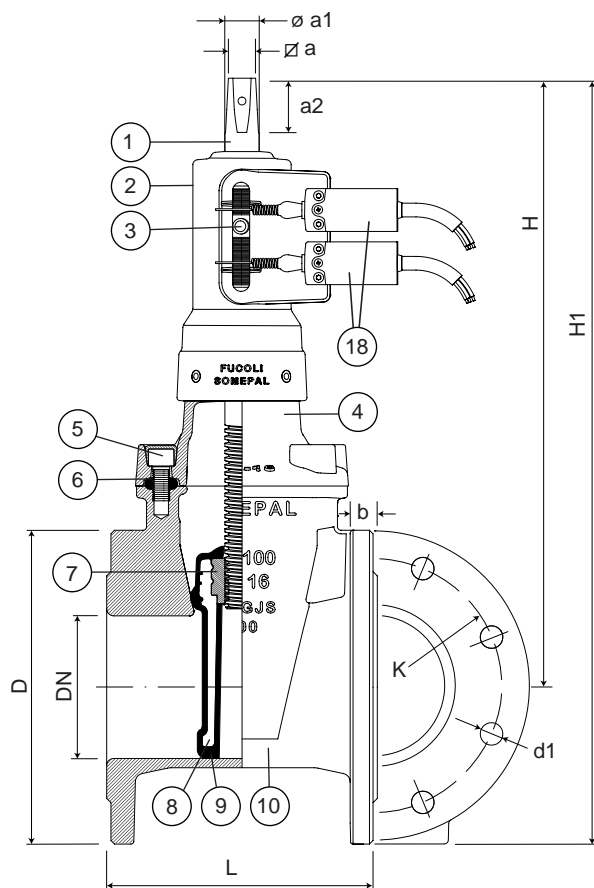
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FLANGED SOFT SEALING GATE VALVE S14 3000
with open/close indicator & open-close limit switching
 DN 40 - 500 PN10/16

01.600LS



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Coupling	Ductile iron EN-GJS-500-7	EN 1563
3	Open-close indicated	Stainless steel AISI 420	EN 10088 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer EPDM	EN 681 -1
7	Wedge nut	Brass CW603N	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer EPDM	EN 681 -1

pos.	components	material	standard
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Clearing joint	Elastomer	
12a	Gland	Brass CW614N	EN 12164
12b	Gland	Ductile iron EN-GJS-500-7	EN 1563
13	O-rings	Elastomer EPDM	EN 681 - 1
14	Stem washer	Brass CW603N	EN 12164
15	O-ring	Elastomer EPDM	EN 681 - 1
16	Bearing	Steel	ISO 20516
17	Gland bush	POM	
18	Open-close limit switching		

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10725012	150	140	298	373	110	4 x 19	19	14.1	20	29	10	12
50	10/16	10725023	165	150	327	410	125	4 x 19	19	14.1	20	29	13	13
60	10/16	10725032	175	170	341	434	135	4 x 19	19	17.1	22	34	13	15
65	10/16	10725043	185	170	341	434	145	4 x 19	19	17.1	22	34	13	15
80	10/16	10725052	200	180	361	462	160	8 x 19	19	17.1	22	34	16	20
100	10/16	10725063	220	190	427	537	180	8 x 19	19	19.1	24	38	20	23
125	10/16	10725072	250	200	469	594	210	8 x 19	19	19.1	26	38	25	28
150	10/16	10725083	285	210	538	681	240	8 x 23	19	19.1	28	38	30	36
200	10	10725092	340	230	616	786	295	8 x 23	20	24.1	32	42	34	54
200	16	10725102	340	230	616	786	295	12 x 23	20	24.1	32	42	34	54
250	10	10725112	400	250	702	902	350	12 x 23	22	27.1	36	47	42	76

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FLANGED SOFT SEALING GATE VALVE S14 3000
with open/close indicator & open-close limit switching
 DN 40 - 500 PN10/16

01.600LS



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅a1 mm	a2 mm	turns to open	Kg approx.
250	16	10725122	400	250	702	902	355	12 x 28	22	27.1	36	47	42	76
300	10	10725132	455	270	774	1016	400	12 x 23	24.5	27.1	36	47	50	108
300	16	10725142	455	270	774	1016	410	12 x 28	24.5	27.1	36	47	50	108
350	10	10725152	505	290	1114	1404	460	16 x 23	24.5	32.1	45	55	67	226
350	16	10725162	520	290	1114	1404	470	16 x 28	26.5	32.1	45	55	67	230
400	10	10725172	565	310	1114	1404	515	16 x 28	24.5	32.1	45	55	67	245
400	16	10725182	580	310	1114	1404	525	16 x 31	28	32.1	45	55	67	251
450	10	10725192	615	330	1284	1621	565	20 x 28	25.5	32.1	50	55	71	385
450	16	10725202	640	330	1284	1621	585	20 x 31	30	32.1	50	55	71	403
500	10	10725212	670	350	1284	1621	620	20 x 28	26.5	32.1	50	55	71	419
500	16	10725222	715	350	1284	1621	650	20 x 34	31.5	32.1	50	55	71	436



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100% MADE IN EUROPE

FLANGED SOFT SEALING GATE VALVE S15 3000

with open/close indicator

DN 40 - 600 PN10/16

01.601



Product description

- Flanged soft sealing gate valve series 3000 with open/close indicator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with "soft stop" system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with "monorail" system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Position indicator for visual display of gate position
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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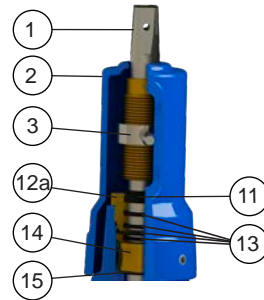
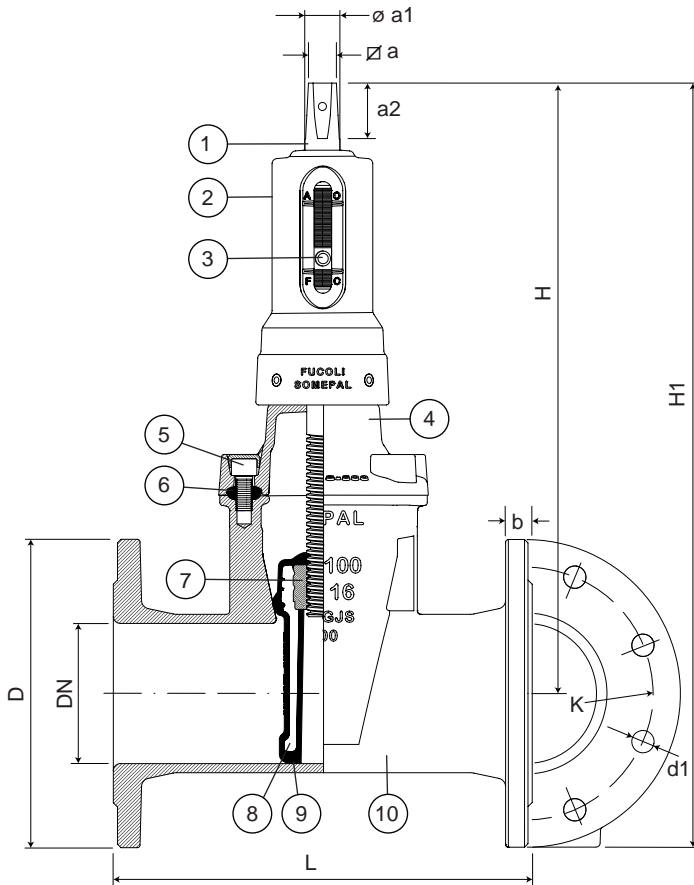
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FLANGED SOFT SEALING GATE VALVE S15 3000

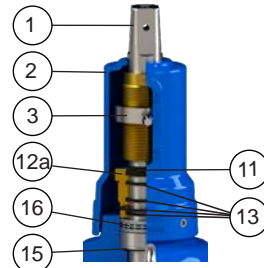
with open/close indicator

DN 40 - 600 PN10/16

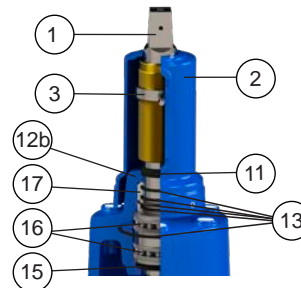
01.601



DN 40 up to DN 200



DN 250 up to DN 300



DN 350 up to DN 600

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Coupling	Ductile iron EN-GJS-500-7	EN 1563
3	Open-close indicated	Stainless steel AISI 420	EN 10088 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer EPDM	EN 681 - 1
7	Wedge nut	Brass CW603N	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Clearing joint	Elastomer	
12a	Gland	Brass CW614N	EN 12164
12b	Gland	Ductile iron EN-GJS-500-7	EN 1563
13	O-rings	Elastomer EPDM	EN 681 - 1
14	Stem washer	Brass CW603N	EN 12164
15	O-ring	Elastomer EPDM	EN 681 - 1
16	Bearing	Steel	ISO 20516
17	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	ø a	ø a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10724800	150	240	298	373	110	4 x 19	19	14.1	20	29	10	12
50	10/16	10724810	165	250	327	410	125	4 x 19	19	14.1	20	29	13	13
60	10/16	10724820	175	270	341	434	135	4 x 19	19	17.1	22	34	13	15
65	10/16	10724830	185	270	341	434	145	4 x 19	19	17.1	22	34	13	15
80	10/16	10724840	200	280	361	462	160	8 x 19	19	17.1	22	34	16	20
100	10/16	10724850	220	300	427	537	180	8 x 19	19	19.1	24	38	20	24
125	10/16	10724860	250	325	469	594	210	8 x 19	19	19.1	26	38	25	29
150	10/16	10724870	285	350	538	681	240	8 x 23	19	19.1	28	38	30	39
200	10	10724880	340	400	616	786	295	8 x 23	20	24.1	32	42	34	60
200	16	10724885	340	400	616	786	295	12 x 23	20	24.1	32	42	34	60
250	10	10724890	400	450	702	902	350	12 x 23	22	27.1	36	47	42	81
250	16	10724895	400	450	702	902	355	12 x 28	22	27.1	36	47	42	81

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FLANGED SOFT SEALING GATE VALVE S15 3000
with open/close indicator
 DN 40 - 600 PN10/16

01.601



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅ a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
300	10	10724900	455	500	774	1016	400	12 x 23	24.5	27.1	36	47	50	136
300	16	10724905	455	500	774	1016	410	12 x 28	24.5	27.1	36	47	50	136
350	10	10724910	505	550	1114	1404	460	16 x 23	24.5	32.1	45	55	67	262
350	16	10724915	520	550	1114	1404	470	16 x 28	26.5	32.1	45	55	67	266
400	10	10724620	565	310	1114	1404	515	16 x 28	24.5	32.1	45	55	67	244
400	10	10724920	565	600	1114	1404	515	16 x 28	24.5	32.1	45	55	67	285
450	10	10724630	615	330	1284	1621	565	20 x 28	25.5	32.1	50	55	71	384
450	16	10724635	640	330	1284	1621	585	20 x 31	30	32.1	50	55	71	402
500	10	10724640	670	350	1284	1621	620	20 x 28	26.5	32.1	50	55	71	418
500	16	10724645	715	350	1284	1621	650	20 x 34	31.5	32.1	50	55	71	435
600	10	10724950	780	800	1491	1914	725	20 x 31	30	41.1	60	74	86	650
600	16	10724955	840	800	1491	1914	770	20 x 37	36	41.1	60	74	86	701



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100% MADE IN EUROPE

FLANGED SOFT SEALING GATE VALVE S15 3000

with open/close indicator & open-close limit switching

DN 40 - 600 PN10/16

01.601LS



Product description

- Flanged soft sealing gate valve series 3000 with open/close indicator and open-close switching for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 15 ACC NY 005
- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Position indicator for visual display of gate position
- Limit switches for electrical signal transmission with open and close position of the valve
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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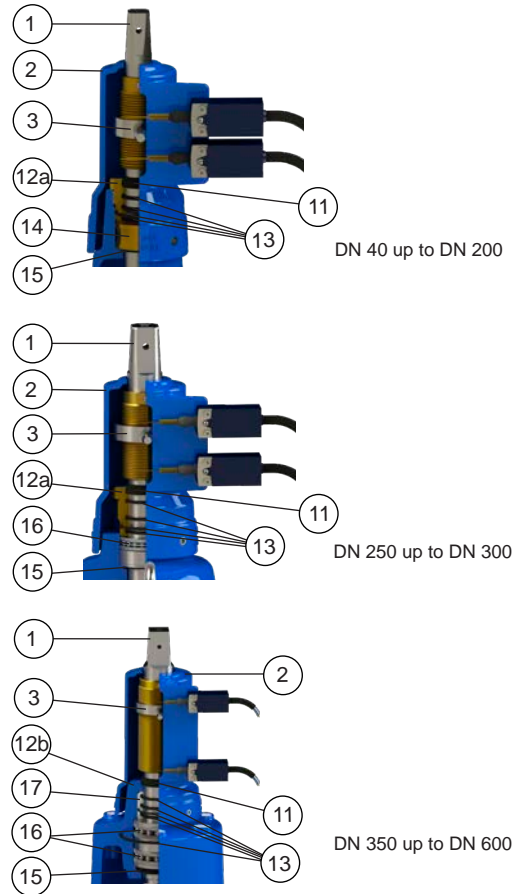
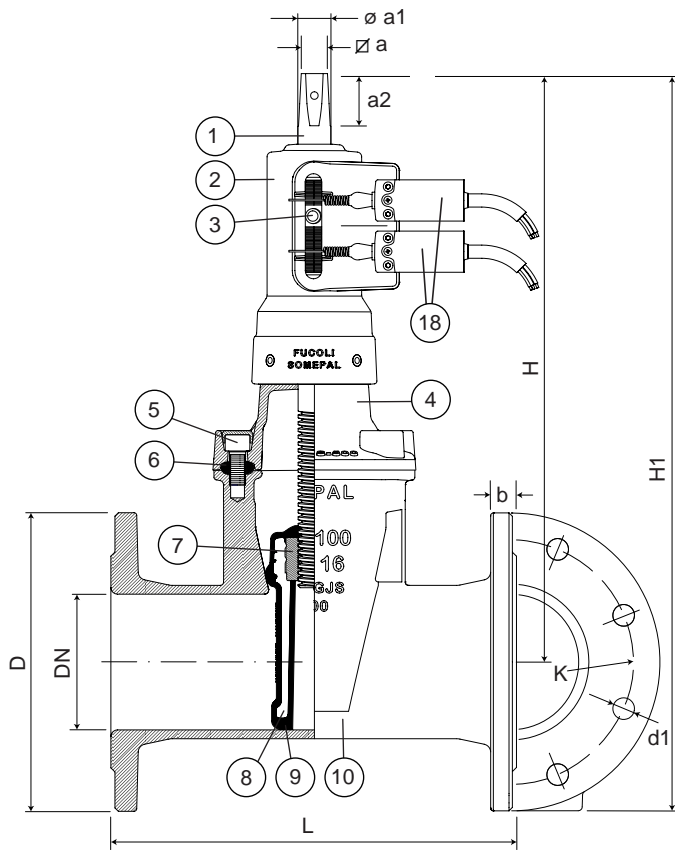
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FLANGED SOFT SEALING GATE VALVE S15 3000
with open/close indicator & open-close limit switching
 DN 40 - 600 PN10/16

01.601LS



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Coupling	Ductile iron EN-GJS-500-7	EN 1563
3	Open-close indicated	Stainless steel AISI 420	EN 10088 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer EPDM	EN 681 - 1
7	Wedge nut	Brass CW603N	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Clearing joint	Elastomer	
12a	Gland	Brass CW614N	EN 12164
12b	Gland	Ductile iron EN-GJS-500-7	EN 1563
13	O-rings	Elastomer EPDM	EN 681 - 1
14	Stem washer	Brass CW603N	EN 12164
15	O-ring	Elastomer EPDM	EN 681 - 1
16	Bearing	Steel	ISO 20516
17	Gland bush	POM	
18	Open-close limit switching		

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅a	∅ a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10726210	150	240	298	373	110	4 x 19	19	14.1	20	29	10	13
50	10/16	10726220	165	250	327	410	125	4 x 19	19	14.1	20	29	13	14
60	10/16	10726230	175	270	341	434	135	4 x 19	19	17.1	22	34	13	16
65	10/16	10726240	185	270	341	434	145	4 x 19	19	17.1	22	34	13	16
80	10/16	10726250	200	280	361	462	160	8 x 19	19	17.1	22	34	16	21
100	10/16	10726260	220	300	427	537	180	8 x 19	19	19.1	24	38	20	25
125	10/16	10726270	250	325	469	594	210	8 x 19	19	19.1	26	38	25	30
150	10/16	10726280	285	350	538	681	240	8 x 23	19	19.1	28	38	30	40
200	10	10726290	340	400	616	786	295	8 x 23	20	24.1	32	42	34	61
200	16	10726295	340	400	616	786	295	12 x 23	20	24.1	32	42	34	61
250	10	10726300	400	450	702	902	350	12 x 23	22	27.1	36	47	42	82
250	16	10726305	400	450	702	902	355	12 x 28	22	27.1	36	47	42	82

continued on next page

FLANGED SOFT SEALING GATE VALVE S15 3000
with open/close indicator & open-close limit switching
 DN 40 - 600 PN10/16

01.601LS



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
300	10	10726310	455	500	774	1016	400	12 x 23	24.5	27.1	36	47	50	137
300	16	10726315	455	500	774	1016	410	12 x 28	24.5	27.1	36	47	50	137
350	10	10726320	505	550	1114	1404	460	16 x 23	24.5	32.1	45	55	67	263
350	16	10726325	520	550	1114	1404	470	16 x 28	26.5	32.1	45	55	67	267
400	10	10726330	565	600	1114	1404	515	16 x 28	24.5	32.1	45	55	67	286
400	16	10726335	580	600	1114	1404	525	16 x 31	28	32.1	45	55	67	289
450	10	10726340	615	650	1284	1621	565	20 x 28	25.5	32.1	50	55	71	458
450	16	10726345	640	650	1284	1621	585	20 x 31	30	32.1	50	55	71	475
500	10	10726350	670	700	1284	1621	620	20 x 28	26.5	32.1	50	55	71	492
500	16	10726355	715	700	1284	1621	650	20 x 34	31.5	32.1	50	55	71	509
600	10	10726360	780	800	1491	1914	725	20 x 31	30	41.1	60	74	86	651
600	16	10726365	840	800	1491	1914	770	20 x 37	36	41.1	60	74	86	702



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FLANGED SOFT SEALING GATE VALVE S14 NEXUS

with open/close indicator

DN 50 - 300 PN10/16

01.610



Product description

- Flanged soft sealing gate valve series NEXUS with open/close indicator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Position indicator for visual display of gate position
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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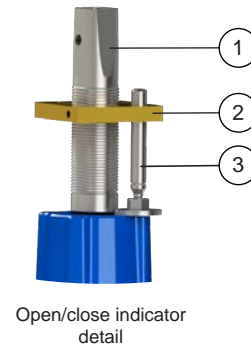
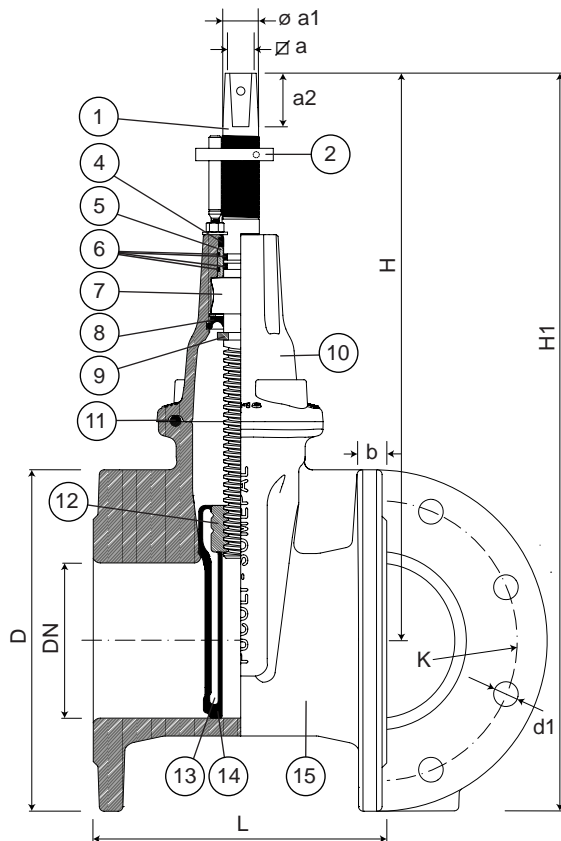
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FLANGED SOFT SEALING GATE VALVE S14 NEXUS

with open/close indicator

DN 50 - 300 PN10/16

01.610



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Open-close indicated	Brass	EN 12164
3	Indicator guide	Stainless steel AISI 420	EN 10088 - 1
4	Clearing joint	Elastomer	
5	Bearing	POM	
6	O-rings	Elastomer EPDM	EN 681 -1
7	Stem washer	Brass	EN 12164
8	Joint	Elastomer EPDM	EN 681 -1
9	Wedge stop	Stainless steel AISI 420	EN 10088 - 1

pos.	components	material	standard
10	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
11	Bonnet gasket	Elastomer EPDM	EN 681 -1
12	Wedge nut	Brass	EN 12164
13	Wedge	Ductile iron EN-GJS-500-7	EN 1563
14	Wedge covering	Elastomer EPDM	EN 681 -1
15	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10729210	165	150	277	360	125	4 x 19	19	14.1	18	29	13	10
65	10/16	10729215	185	170	305	397	145	4 x 19	19	17.1	22	34	14	12
80	10/16	10729220	200	180	335	435	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10729225	220	190	368	476	180	8 x 19	19	19.1	23	38	20	17
125	10/16	10729230	250	200	407	532	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10729235	285	210	458	600	240	8 x 23	19	19.1	26	38	30	31
200	10	10729240	340	230	531	701	295	8 x 23	20	24.1	28	38	40	47
200	16	10729245	340	230	531	701	295	12 x 23	20	24.1	28	38	40	47
250*	10	10729250	400	250	-	-	350	12 x 23	22	-	-	-	-	-
250*	16	10729255	400	250	-	-	355	12 x 28	22	-	-	-	-	-
300*	10	10729260	455	270	-	-	400	12 x 23	24.5	-	-	-	-	-
300*	16	10729265	455	270	-	-	410	12 x 28	24.5	-	-	-	-	-

* On request



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100% MADE IN EUROPE

FLANGED SOFT SEALING GATE VALVE S14 NEXUS

with open/close indicator & open-close limit switching

DN 50 - 300 PN10/16

01.610LS



Product description

- Flanged soft sealing gate valve series NEXUS with open/close indicator and open-close switching for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Open and close indicator for easy viewing of wedge position
- Limit switch by electrical signal transmission with valve opening and closing position information
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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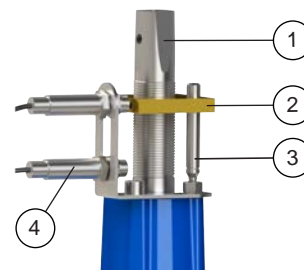
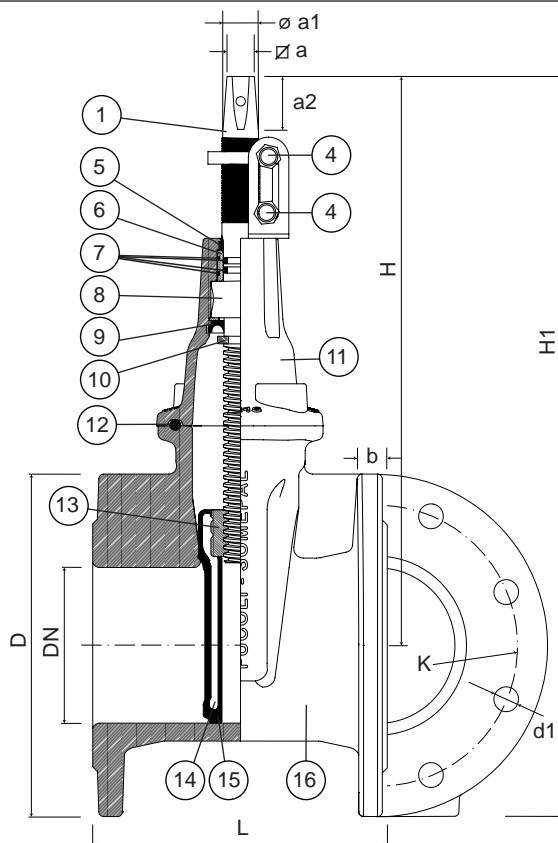
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FLANGED SOFT SEALING GATE VALVE S14 NEXUS

with open/close indicator & open-close limit switching
DN 50 - 300 PN10/16

01.610LS



Open/close indicator & open-close limit switching detail

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Open-close indicated	Brass	EN 12164
3	Indicator guide	Stainless steel AISI 420	EN 10088 - 1
4	Open-close limit switching		
5	Clearing joint	Elastomer	
6	Bearing	POM	
7	O-rings	Elastomer EPDM	EN 681 -1
8	Stem washer	Brass	EN 12164

pos.	components	material	standard
9	Joint	Elastomer EPDM	EN 681 -1
10	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
11	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
12	Bonnet gasket	Elastomer EPDM	EN 681 -1
13	Wedge nut	Brass	EN 12164
14	Wedge	Ductile iron EN-GJS-500-7	EN 1563
15	Wedge covering	Elastomer EPDM	EN 681 -1
16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10729410	165	150	277	360	125	4 x 19	19	14.1	18	29	13	10
65	10/16	10729415	185	170	305	397	145	4 x 19	19	17.1	22	34	14	12
80	10/16	10729420	200	180	335	435	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10729425	220	190	368	476	180	8 x 19	19	19.1	23	38	20	17
125	10/16	10729430	250	200	407	532	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10729435	285	210	458	600	240	8 x 23	19	19.1	26	38	30	31
200	10	10729440	340	230	531	701	295	8 x 23	20	24.1	28	38	40	47
200	16	10729445	340	230	531	701	295	12 x 23	20	24.1	28	38	40	47
250*	10	10729450	400	250	-	-	350	12 x 23	22	-	-	-	-	-
250*	16	10729455	400	250	-	-	355	12 x 28	22	-	-	-	-	-
300*	10	10729460	455	270	-	-	400	12 x 23	24.5	-	-	-	-	-
300*	16	10729465	455	270	-	-	410	12 x 28	24.5	-	-	-	-	-

* On request



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100% MADE IN EUROPE

FLANGED SOFT SEALING GATE VALVE S15 NEXUS

with open/close indicator

DN 50 - 300 PN10/16

01.611



Product description

- Flanged soft sealing gate valve series NEXUS with open/close indicator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Position indicator for visual display of gate position
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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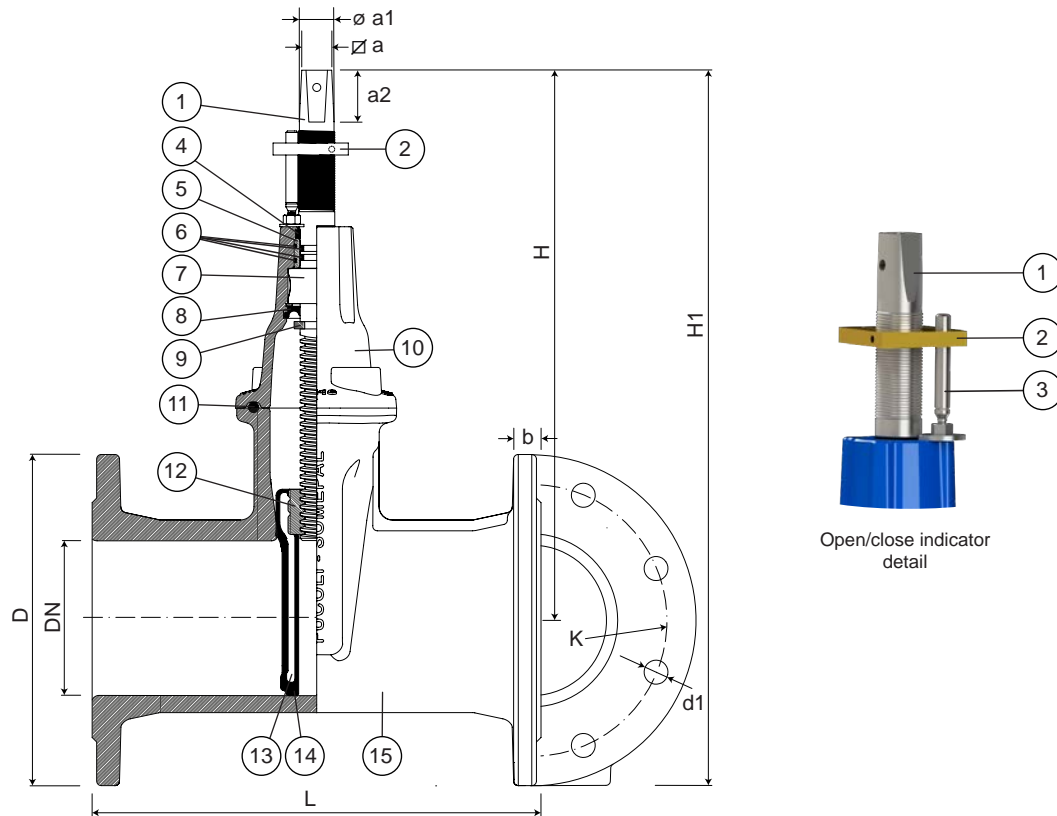
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FLANGED SOFT SEALING GATE VALVE S15 NEXUS

with open/close indicator

DN 50 - 300 PN10/16

01.611



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Open-close indicated	Brass	EN 12164
3	Indicator guide	Stainless steel AISI 420	EN 10088 - 1
4	Clearing joint	Elastomer	
5	Bearing	POM	
6	O-rings	Elastomer EPDM	EN 681 -1
7	Stem washer	Brass	EN 12164
8	Joint	Elastomer EPDM	EN 681 -1
9	Wedge stop	Stainless steel AISI 420	EN 10088 - 1

pos.	components	material	standard
10	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
11	Bonnet gasket	Elastomer EPDM	EN 681 -1
12	Wedge nut	Brass	EN 12164
13	Wedge	Ductile iron EN-GJS-500-7	EN 1563
14	Wedge covering	Elastomer EPDM	EN 681 -1
15	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10732210	165	250	277	360	125	4 x 19	19	14.1	18	29	13	10
65	10/16	10732215	185	270	305	397	145	4 x 19	19	17.1	22	34	14	12
80	10/16	10732220	200	280	335	435	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10732225	220	300	368	476	180	8 x 19	19	19.1	23	38	20	19
125	10/16	10732230	250	325	407	532	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10732235	285	350	458	600	240	8 x 23	19	19.1	26	38	30	35
200	10	10732240	340	400	531	701	295	8 x 23	20	24.1	28	38	40	52
200	16	10732245	340	400	531	701	295	12 x 23	20	24.1	28	38	40	52
250*	10	10732250	400	450	-	-	350	12 x 23	22	-	-	-	-	-
250*	16	10732255	400	450	-	-	355	12 x 28	22	-	-	-	-	-
300*	10	10732260	455	500	-	-	400	12 x 23	24.5	-	-	-	-	-
300*	16	10732265	455	500	-	-	410	12 x 28	24.5	-	-	-	-	-

* On request



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FLANGED SOFT SEALING GATE VALVE S15 NEXUS

with open/close indicator & open-close limit switching

DN 50 - 300 PN10/16

01.611LS



Product description

- Flanged soft sealing gate valve series NEXUS with open/close indicator and open-close switching for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

- All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Open and close indicator for easy viewing of wedge position
- Limit switch by electrical signal transmission with valve opening and closing position information
- On request possibility of stem in stainless steel AISI 316L and NBR sealing.



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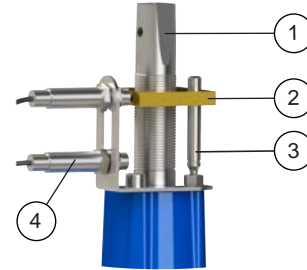
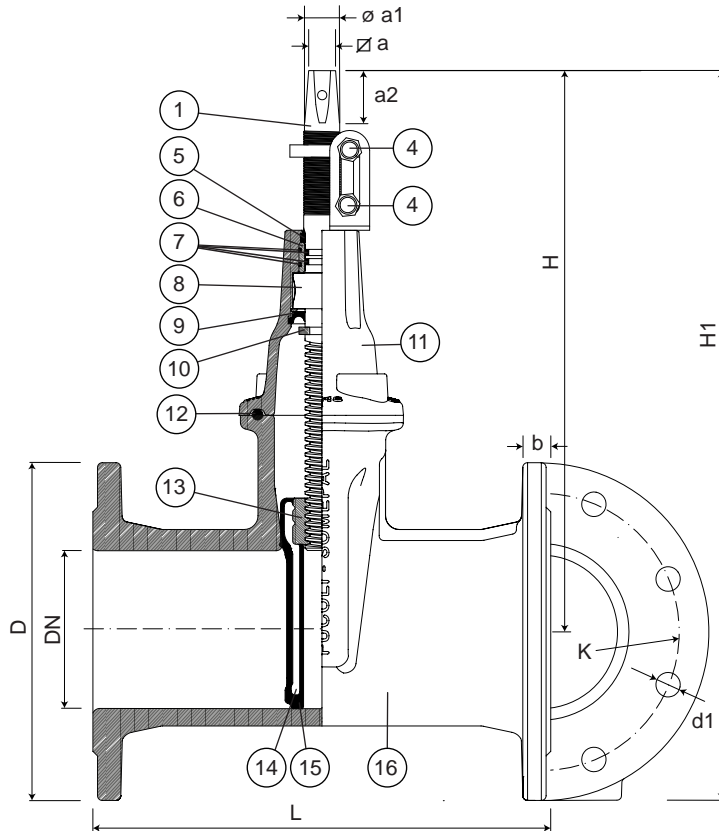
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FLANGED SOFT SEALING GATE VALVE S15 NEXUS
with open/close indicator & open-close limit switching
 DN 50 - 300 PN10/16

01.611LS



Open/close indicator & open-close limit switching detail

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Open-close indicated	Brass	EN 12164
3	Indicator guide	Stainless steel AISI 420	EN 10088 - 1
4	Open-close limit switching		
5	Clearing joint	Elastomer	
6	Bearing	POM	
7	O-rings	Elastomer EPDM	EN 681 -1
8	Stem washer	Brass	EN 12164

pos.	components	material	standard
9	Joint	Elastomer EPDM	EN 681 -1
10	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
11	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
12	Bonnet gasket	Elastomer EPDM	EN 681 -1
13	Wedge nut	Brass	EN 12164
14	Wedge	Ductile iron EN-GJS-500-7	EN 1563
15	Wedge covering	Elastomer EPDM	EN 681 -1
16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10732410	165	250	277	360	125	4 x 19	19	14.1	18	29	13	10
65	10/16	10732415	185	270	305	397	145	4 x 19	19	17.1	22	34	14	12
80	10/16	10732420	200	280	335	435	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10732425	220	300	368	476	180	8 x 19	19	19.1	23	38	20	19
125	10/16	10732430	250	325	407	532	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10732435	285	350	458	600	240	8 x 23	19	19.1	26	38	30	35
200	10	10732440	340	400	531	701	295	8 x 23	20	24.1	28	38	40	52
200	16	10732445	340	400	531	701	295	12 x 23	20	24.1	28	38	40	52
250*	10	10732450	400	450	-	-	350	12 x 23	22	-	-	-	-	-
250*	16	10732455	400	450	-	-	355	12 x 28	22	-	-	-	-	-
300*	10	10732460	455	500	-	-	400	12 x 23	24.5	-	-	-	-	-
300*	16	10732465	455	500	-	-	410	12 x 28	24.5	-	-	-	-	-

* On request



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100% MADE IN EUROPE



Product description

- Gate valve with internal BSP thread series SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Face-to-face according to DIN 3202 – 4 (M2)
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: KIWA Certificate K76981/01 and AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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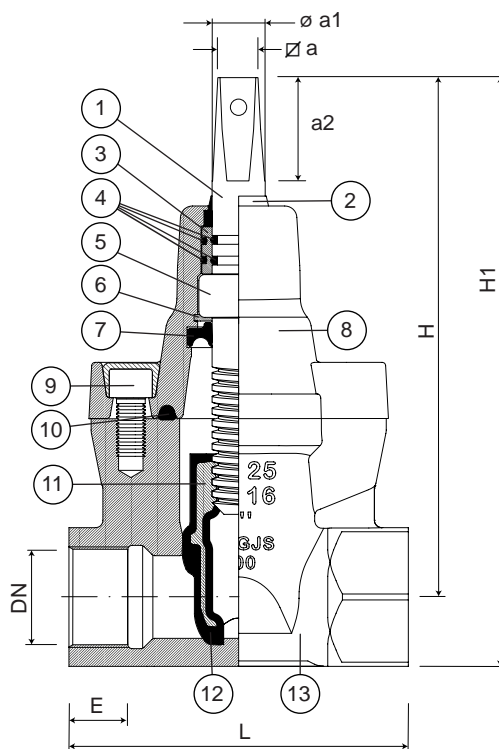
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Service valve internal thread Século XXI



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	-
3	Bearing	POM	-
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge	Brass	EN 12164
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

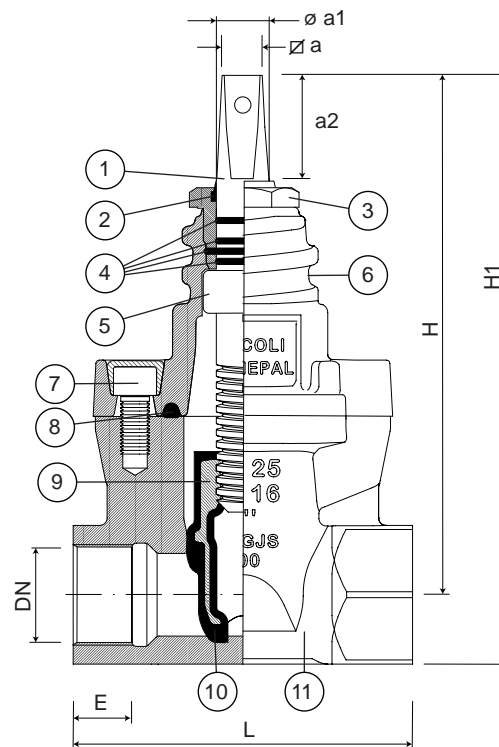
DN	D (BSP)	code	L mm	E mm	H mm	H1 mm	∅ a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
20	G ¾"	10720129	100	13	177	201	13.1	18	35	7	3
25	G 1"	10720130	115	20	177	201	13.1	18	35	7	3
32	G 1 ¼"	10720131	130	25	206	236	13.1	18	35	10	4
40	G 1 ½"	10720132	150	25	206	236	13.1	18	35	10	4
50	G 2"	10720134	180	30	238	276	13.1	18	35	13	6

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Service valve internal thread and a threaded bonnet Sécuro XXI



Component list

pos.	components	material	standard	pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1	7	Bolts	Stainless steel A2	EN 10088 - 1
2	Clearing joint	Elastomer	-	8	Bonnet gasket	Elastomer EPDM	EN 681 - 1
3	Gland	Brass	EN12164	9	Wedge	Brass	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1	10	Wedge covering	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164	11	Body	Ductile iron EN-GJS-500-7	EN 1563
6	Threaded bonnet	Ductile iron EN-GJS-500-7	EN 1563				

Reference and dimensions

DN	D (BSP)	code	L mm	E mm	H mm	H1 mm	∅ a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
20	G ¾"	10720109	100	13	177	201	13.1	18	35	7	3
25	G 1"	10720110	115	20	177	201	13.1	18	35	7	3
32	G 1 ¼"	10720111	130	25	206	236	13.1	18	35	10	4
40	G 1 ½"	10720112	150	25	206	236	13.1	18	35	10	4
50	G 2"	10720113	180	30	238	276	13.1	18	35	13	6





Product description

- Gate valve with one angularly end external thread and one end internal BSP thread series SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Internal and external parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: KIWA Certificate K76981/01 and AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

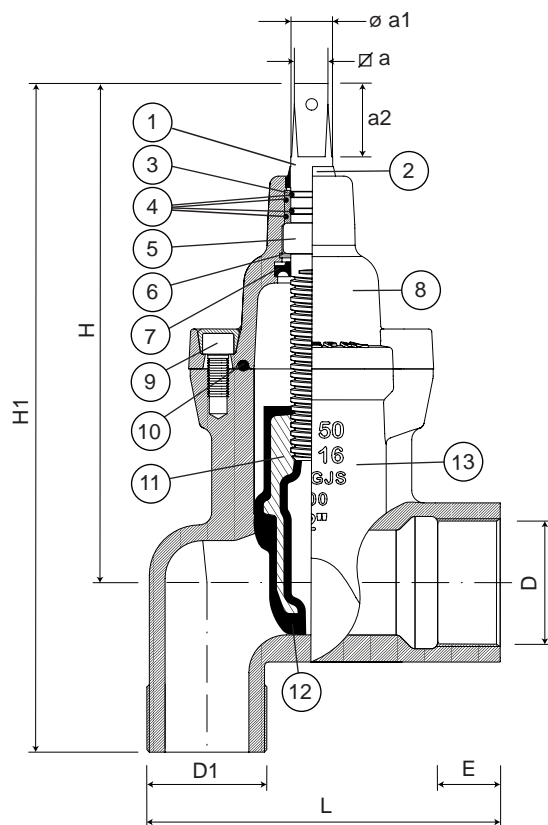


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge	Brass	EN 12164
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	D (BSP)	D1 (BSP)	code	L mm	E mm	H mm	H1 mm	∅ a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
25	G 1"	G 1 ¼"	10721162	110	20	177	231	13.1	18	35	7	3
32	G 1 ¼"	G 2"	10721163	137	25	206	271	13.1	18	35	10	5
40	G 1 ½"	G 2"	10721164	147	25	206	276	13.1	18	35	10	5
50	G 2"	G 2"	10721165	170	30	238	318	13.1	18	35	13	7





Product description

- Gate valve with tensile resistant socket joints for PE pipes series SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Socket for PE pipes PE 80 and PE 100 according to EN 12201 up to PN 16

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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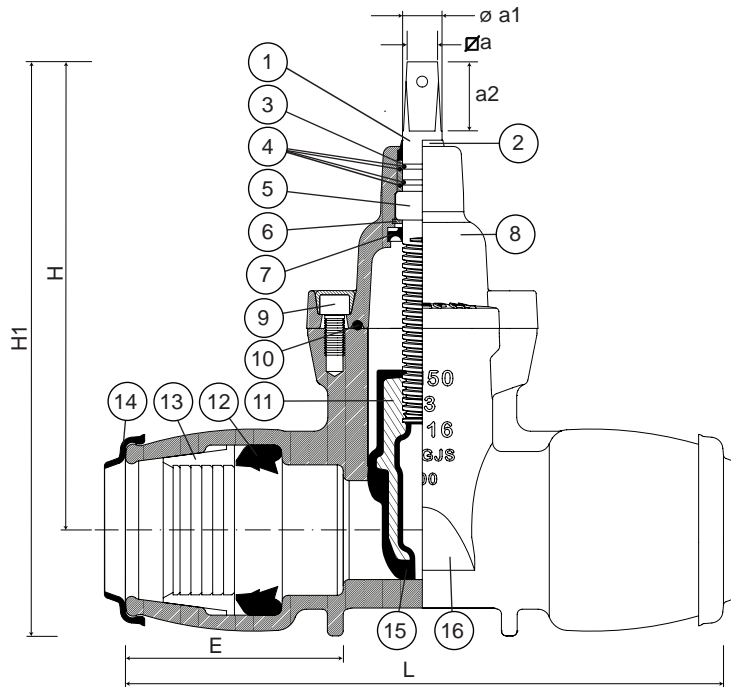
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Service valve connection for PE Sécuro XXI



Component list

pos.	components	material	standard	pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1	9	Bolts	Stainless steel A2	EN 10088 - 1
2	Clearing joint	Elastomer	-	10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
3	Bearing	POM	-	11	Wedge	Brass	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1	12	Lip seal ring	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164	13	Tension ring	POM	-
6	Retaining ring	Stainless steel A2	EN 10088 - 1	14	Protection cap	Elastomer EPDM	EN 681 - 1
7	Joint	Elastomer EPDM	EN 681 - 1	15	Wedge covering	Elastomer EPDM	EN 681 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563	16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

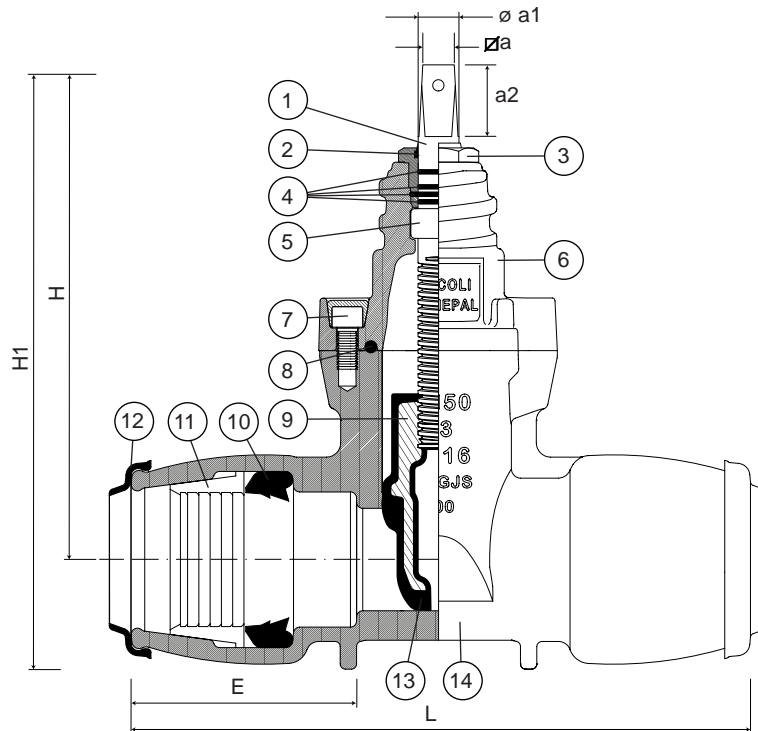
DN	Ø D ext. PE	code	L mm	E mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
20	25	10720135	165	58	177	205	13.1	18	35	7	3
25	32	10720136	185	68	177	209	13.1	18	35	7	4
32	40	10720137	205	77	206	245	13.1	18	35	10	5
40	50	10720138	255	96	206	251	13.1	18	35	10	6
50	63	10720139	300	110	238	292	13.1	18	35	13	9

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Service valve connection for PE and a threaded bonnet Século XXI



Lista de componentes

pos.	components	material	standard	pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1	8	Bonnet gasket	Elastomer EPDM	EN 681 - 1
2	Clearing joint	Elastomer	-	9	Wedge	Brass	EN 12164
3	Gland	Brass	EN12164	10	Lip seal ring	Elastomer EPDM	EN 681 - 1
4	O-rings	Elastomer EPDM	EN 681 - 1	11	Tension ring	POM	-
5	Stem washer	Brass	EN 12164	12	Protection cap	Elastomer EPDM	EN 681 - 1
6	Threaded bonnet	Ductile iron EN-GJS-500-7	EN 1563	13	Wedge covering	Elastomer EPDM	EN 681 - 1
7	Bolts	Stainless steel A2	EN 10088 - 1	14	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	Ø D ext. PE	code	L mm	E mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
20	25	10720115	165	58	177	205	13.1	18	35	7	3
25	32	10720116	185	68	177	209	13.1	18	35	7	4
32	40	10720117	205	77	206	245	13.1	18	35	10	5
40	50	10720118	255	96	206	251	13.1	18	35	10	6
50	63	10720119	300	110	238	292	13.1	18	35	13	9





Product description

- Gate valve with one angularly end external thread and one end with tensile resistant socket joints for PE pipes series SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- External parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1
- Socket for PE pipes PE 80 and PE 100 according to EN 12201 up to PN 16

Tests

- All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Socket with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

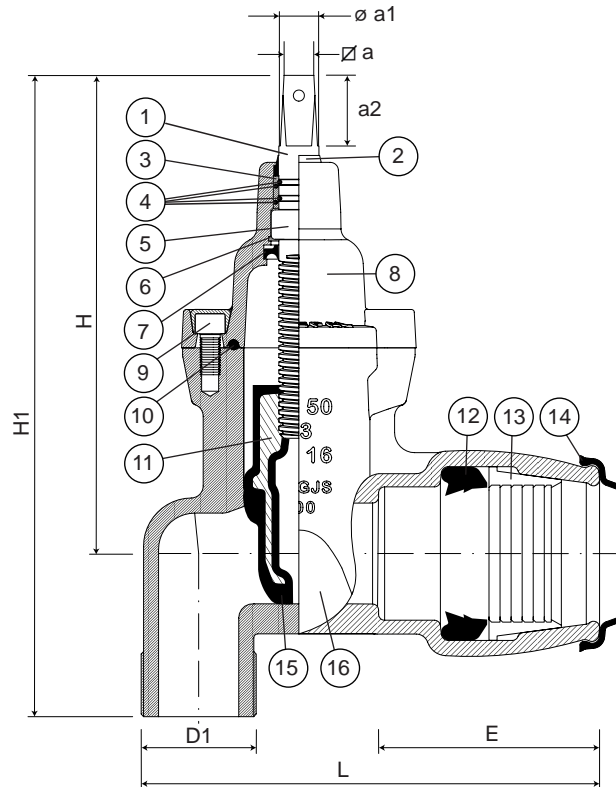


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Component list

pos.	components	material	standard	pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1	9	Bolts	Stainless steel A2	EN 10088 - 1
2	Clearing joint	Elastomer		10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
3	Bearing	POM		11	Wedge	Brass	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1	12	Lip seal ring	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164	13	Tension ring	POM	
6	Retaining ring	Stainless steel A2	EN 10088 - 1	14	Protection cap	Elastomer EPDM	EN 681 - 1
7	Joint	Elastomer EPDM	EN 681 - 1	15	Wedge covering	Elastomer EPDM	EN 681 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563	16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	Ø PE ext.	D1 (BSP)	code	L mm	E mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
25	32	G 1 ¼"	10721152	145	68	177	228	13.1	18	35	7	3
32	40	G 2"	10721153	174	77	206	276	13.1	18	35	10	5
40	50	G 2"	10721154	199	96	206	276	13.1	18	35	10	6
50	63	G 2"	10721155	230	110	238	320	13.1	18	35	13	8





Product description

- Gate valve with one external thread and one end with tensile resistant socket joints for PE pipes series MAIA SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- External parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1
- Socket for PE pipes PE 80 and PE 100 according to EN 12201 up to PN 16

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Socket with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

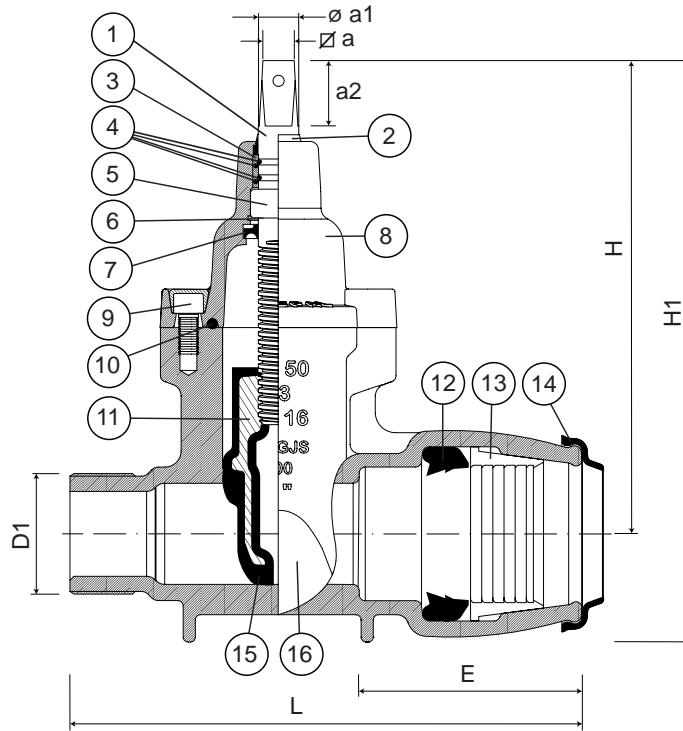


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge	Brass	EN 12164
12	Lip seal ring	Elastomer EPDM	EN 681 - 1
13	Tension ring	POM	
14	Protection cap	Elastomer EPDM	EN 681 - 1
15	Wedge covering	Elastomer EPDM	EN 681 - 1
16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	Ø PE ext.	D1 (BSP)	code	L mm	E mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
25	32	G 1"	10721156	173	68	177	209	13.1	18	35	7	3
25	32	G 1 ¼"	10721160	173	68	177	209	13.1	18	35	7	3
32	40	G 1 ¼"	10721157	195	77	206	245	13.1	18	35	10	5
40	50	G 1 ½"	10721158	220	96	206	245	13.1	18	35	10	5
50	63	G 2"	10721159	253	110	238	292	13.1	18	35	13	8





Product description

- Soft sealing gate valve with PE spigot ends series SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- PE 100 PN16 SDR11 pipe according to EN 12201-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 002
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- PE100 PN16 SDR11 pipe end that allow a perfect butt fusion and electrofusion with the PE pipeline
- The PE pipe is pressed onto the grooved valve end body and blocked with a cast iron sleeve and sealed with plastic shrink hose
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

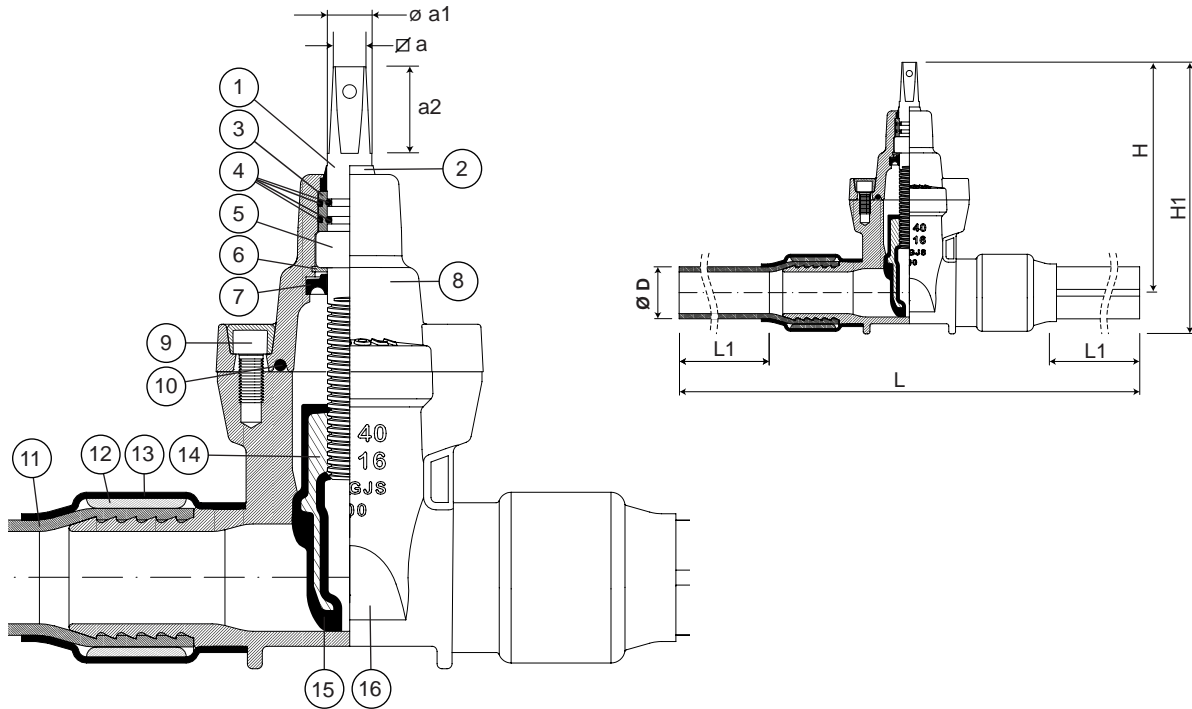


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	-
3	Bearing	POM	-
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Pipe	PE100 PN16 SDR11	EN 12201 - 2
12	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
13	Shrink hose	Plastic	-
14	Wedge	Ductile iron EN-GJS-500-7	EN 1563
15	Wedge covering	Elastomer EPDM	EN 681 - 1
16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	$\varnothing D$ ext. PE	code	L mm	L1 mm	H mm	H1 mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
25	32	10745000	615	200	177	204	13.1	18	35	7	3
32	40	10745010	625	200	206	243	13.1	18	35	10	5
40	50	10745020	625	200	206	243	13.1	18	35	10	6





Product description

- Gate valve with one external thread and one end with tensile resistant socket joints for PE pipes series BRAGA SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Taper external parallel BSP thread according to EN 10266-1
- Socket for PE pipes PE 80 and PE 100 according to EN 12201 up to PN 16
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- EPDM gasket mouth and tension ring in POM, ensuring perfect sealing and blocking of the pipes
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Socket with female thread which allows the use of under pressure drilling machine directly on the valve
- Female thread with protection cap for PE pipe guidance and corrosion thread protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.



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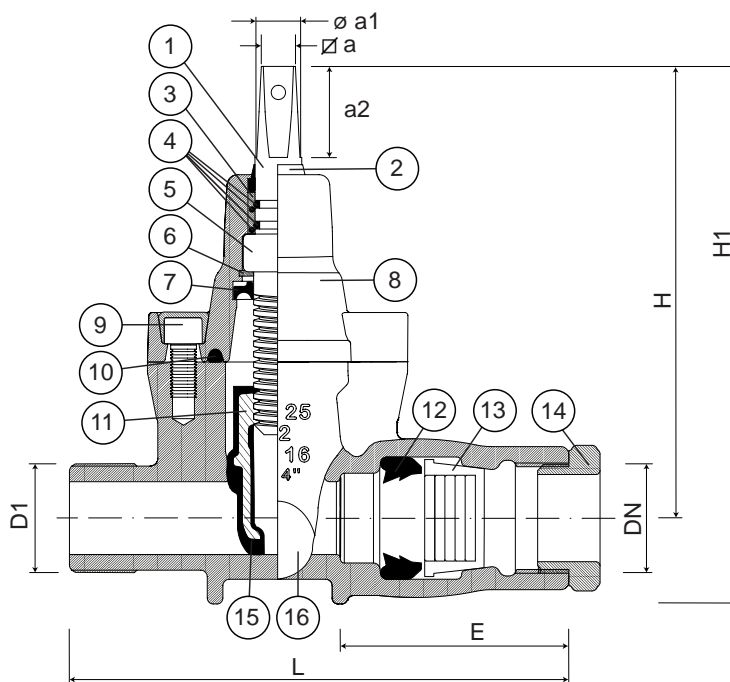
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SERVICE VALVE EXTERNAL THREAD/CONNECTION FOR PE
 "BRAGA" SÉCULO XXI
 DN 25 PN16

02.204



Component list

pos.	components	material	standard	pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1	9	Bolts	Stainless steel A2	EN 10088 - 1
2	Clearing joint	Elastomer		10	Bonnet gasket	Elastomer EPDM	EN 681 -1
3	Bearing	POM		11	Wedge	Brass	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1	12	Lip seal ring	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164	13	Tension ring	POM	
6	Retaining ring	Stainless steel A2	EN 10088 - 1	14	Protection cap		
7	Joint	Elastomer EPDM	EN 681 - 1	15	Wedge covering	Elastomer EPDM	EN 681 -1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563	16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	Ø PE ext.	D1 (BSP)	code	L mm	E mm	H mm	H1 mm	Øa mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
25	32	G 1 1/4"	10721120	192	88	177	209	13.1	18	35	7	3



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100% MADE IN EUROPE



Product description

- Gate valve with one external and intern thread series SÉCULO XXI for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Internal and external parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve for drinking water
- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500]
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass grades.

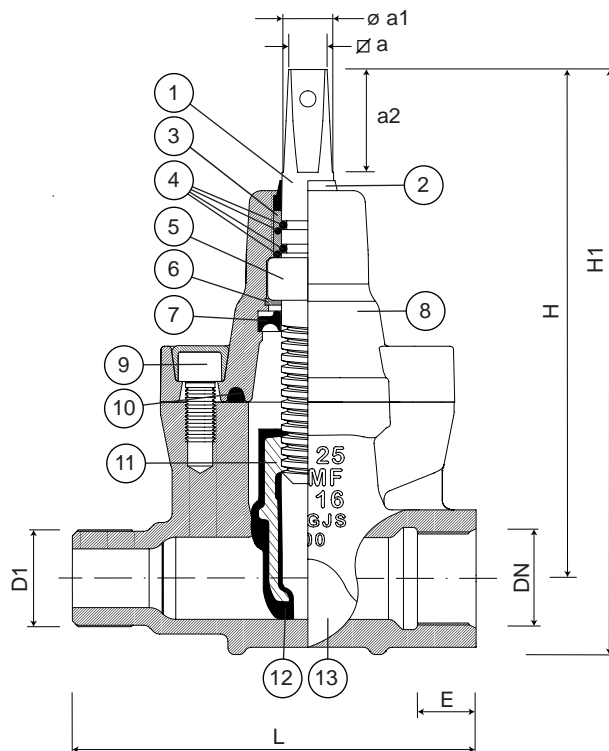


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge	Brass	EN 12164
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	D1 (BSP)	code	L mm	E mm	H mm	H1 mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
25	G 1"	10721350	138	20	177	202	13.1	18	35	7	3





Product description

- Swing check valve metal seated series SUPRA for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal position, the flow must coincide with the arrow direction engraved on the valve body
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the pipeline by loosening the screws of the bonnet can remove entire sealing system
- Reliability and stability of the sealing system, designed with double arm support on the shaft and obturator design that allows to fit to the valve body seal
- Valve body supplied as standard with bronze seat
- Obturator in stainless steel AISI 420
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility to be supplied with seat, obturator and shaft in stainless steel in AISI 316L, by-pass and plug application to check and clean.



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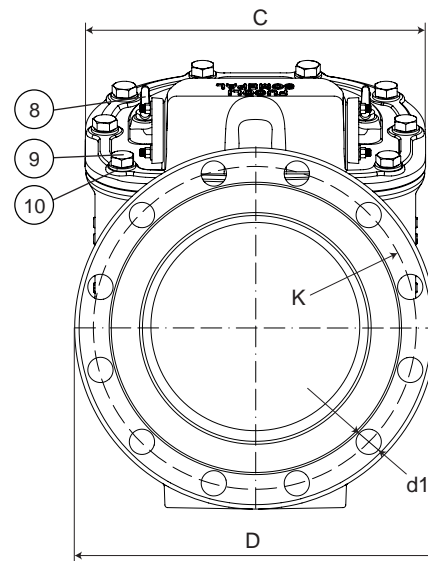
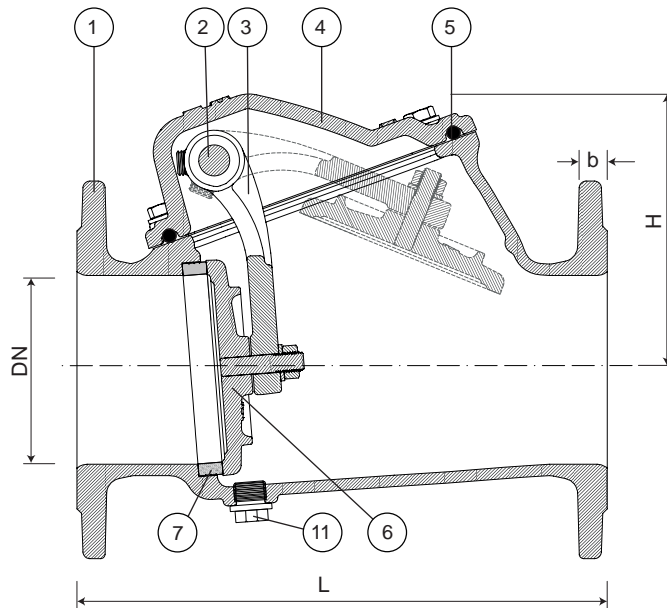
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SWING CHECK VALVE SUPRA

metal seated

DN 50 - 600 PN10/16

03.105



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 420	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Obturator	Stainless Steel AISI 420	EN 10088 - 1

pos.	components	material	standard
7	Seat	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
8	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Washers	Stainless steel A2	EN 10088 - 1
11	Plug (option)	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	K mm	n° x d1 mm	b mm	Kg approx.
50	10/16	10752010	165	200	108	110	125	4 x 19	19	10
60	10/16	10752020	175	240	119	123	135	4 x 19	19	11
65	10/16	10752030	185	240	119	123	145	4 x 19	19	12
80	10/16	10752040	200	260	137	140	160	8 x 19	19	15
100	10/16	10752050	220	300	157	168	180	8 x 19	19	20
125	10/16	10752060	250	350	185	215	210	8 x 19	19	30
150	10/16	10752070	285	400	210	242	240	8 x 23	19	41
200	10	10752080	340	500	242	295	295	8 x 23	20	64
200	16	10752085	340	500	242	295	295	12 x 23	20	68
250	10	10752090	400	600	296	377	350	12 x 23	22	94
250	16	10752095	400	600	296	377	355	12 x 28	22	94
300	10	10752100	455	700	325	427	400	12 x 23	24.5	136
300	16	10752105	455	700	325	427	410	12 x 28	24.5	136
350	10	10752110	505	800	400	480	460	16 x 23	24.5	144
350	16	10752115	520	800	400	480	470	16 x 28	26.5	151
400	10	10752120	565	900	435	531	515	16 x 28	24.5	268
400	16	10752125	580	900	435	531	525	16 x 31	28	277
450	10	10752130	615	1000	460	585	565	20 x 28	25.5	377
450	16	10752135	640	1000	460	585	585	20 x 31	30	392
500	10	10752140	670	1100	485	640	620	20 x 28	26.5	404
500	16	10752145	715	1100	485	640	650	20 x 34	31.5	429
600	10	10752150	780	1300	585	750	725	20 x 31	30	602
600	16	10752155	840	1300	585	750	770	20 x 37	36	652



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100% MADE IN EUROPE



Product description

- Swing check valve metal seated series SUPRA for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal position, the flow must coincide with the arrow direction engraved on the valve body
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the pipeline by loosening the screws of the bonnet can remove entire sealing system
- Reliability and stability of the sealing system, designed with double arm support on the shaft and obturator design that allows to fit to the valve body seal
- Valve body supplied as standard with bronze seat
- Obturator in stainless steel AISI 420
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility to be supplied with seat, obturator and shaft in stainless steel in AISI 316L, by-pass and plug application to check and clean.



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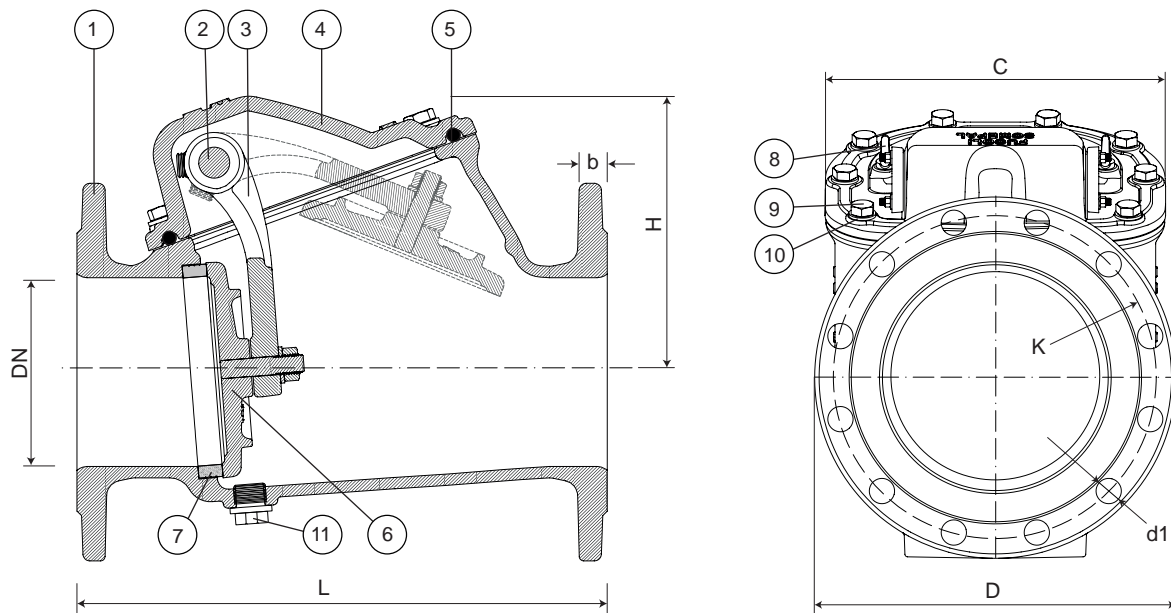
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SWING CHECK VALVE SUPRA

metal seated

DN 50 - 600 PN25/40

03.106



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 420	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Obturator	Stainless Steel AISI 420	EN 10088 - 1

pos.	components	material	standard
7	Seat	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
8	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Washers	Stainless steel A2	EN 10088 - 1
11	Plug (option)	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	K mm	n° x d1 mm	b mm	Kg approx.
50	25	10752310	165	200	108	110	125	4 x 19	19	10
50	40	10752510	165	200	108	110	125	4 x 19	19	10
60	25	10752320	175	240	119	123	135	8 x 19	19	11
60	40	10752520	175	240	119	123	135	8 x 19	19	11
65	25	10752330	185	240	119	123	145	8 x 19	19	12
65	40	10752530	185	240	119	123	145	8 x 19	19	12
80	25	10752340	200	260	137	140	160	8 x 19	19	17
80	40	10752540	200	260	137	140	160	8 x 19	19	17
100	25	10752350	235	300	157	168	190	8 x 23	19	22
100	40	10752550	235	300	157	168	190	8 x 23	19	24
125	25	10752360	270	350	185	215	220	8 x 28	19	36
125	40	10752560	270	350	185	215	220	8 x 28	23.5	36
150	25	10752370	300	400	210	242	250	8 x 28	20	49
150	40	10752570	300	400	210	242	250	8 x 28	26	52
200	25	10752380	360	500	242	295	310	12 x 28	22	69
200	40	10752580	375	500	242	295	320	12 x 31	30	77
250	25	10752390	425	600	296	377	370	12 x 31	24.5	109
250	40	10752590	450	600	296	377	385	12 x 34	34	124
300	25	10752400	485	700	325	427	430	16 x 31	27.5	156
300	40	10752600	515	700	325	427	450	16 x 34	39.5	179
350	25	10752410	555	800	400	480	490	16 x 34	30	171
350	40	10752610	580	800	400	480	510	16 x 37	44	194
400	25	10752420	620	900	435	531	550	16 x 37	32	286

continued on next page

SWING CHECK VALVE SUPRA
metal sealing
 DN 50 - 600 PN25/40

03.106



continued from previous page

DN	PN	code	D mm	L mm	H mm	C mm	K mm	n° x d1 mm	b mm	Kg approx.
400	40	10752620	660	900	435	531	585	16 x 41	48	335
450	25	10752430	670	1000	460	585	600	20 x 37	34.5	406
450	40	10752630	685	1000	460	585	610	20 x 41	49	440
500	25	10752440	730	1100	485	640	660	20 x 37	36.5	434
500	40	10752640	755	1100	485	640	670	20 x 44	52	480
600	25	10752450	845	1300	585	750	770	20 x 41	42	706



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SWING CHECK VALVE SUPRA

metal seated with lever and counterweight

DN 50 - 600 PN10/16

03.107



Product description

- Swing check valve metal seated with lever and counterweight series SUPRA for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Possibility of installing the lever to the left or right of the valve, making it easy to apply to walls or other obstacles
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the pipeline by loosening the screws of the bonnet can remove entire sealing system
- Reliability and stability of the sealing system, designed with double arm support on the shaft and obturator design that allows to fit to the valve body seal
- Valve body supplied as standard with bronze seat
- Obturator in stainless steel AISI 420
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility to be supplied with obturator in stainless steel AISI 316L, by-pass and plug application to check and clean.



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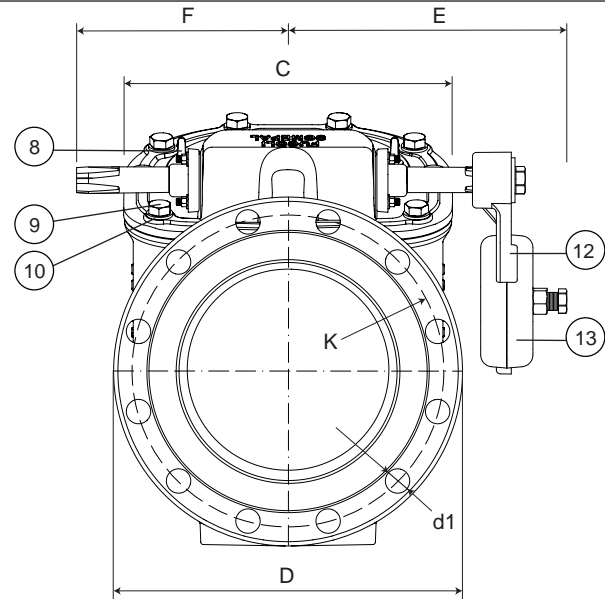
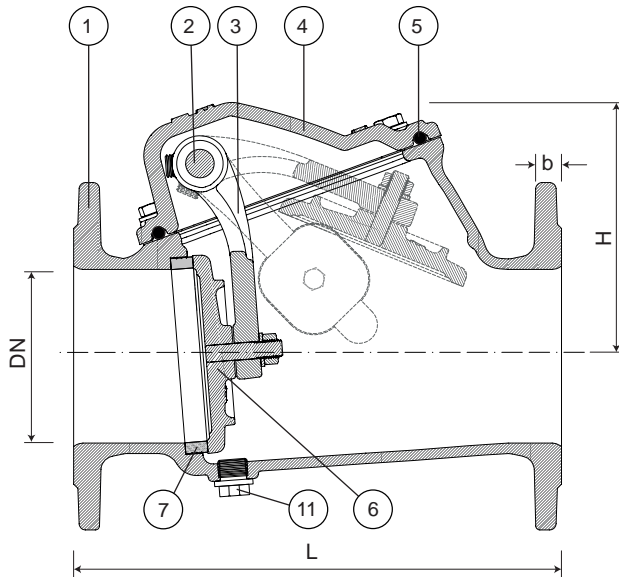
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Ed.8 Rev. 1
08-2022

Being one of the main objectives of our company the development and satisfaction of our customers, we reserve the right to update, change or replace the specifications presented without prior notice.

SWING CHECK VALVE SUPRA
metal seated with lever and counterweight
 DN 50 - 600 PN10/16

03.107



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Obturator	Stainless Steel AISI 420	EN 10088 - 1
7	Seat	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982

pos.	components	material	standard
8	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Washers	Stainless steel A2	EN 10088 - 1
11	Plug (option)	Stainless steel A4	EN 10088 - 1
12	Lever	Ductile iron EN-GJS-500-7	EN 1563
13	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	C	E	F	K	n° x d1	b	Kg
			mm	mm	mm	mm	mm	mm	mm	mm	mm	approx.
50	10/16	10792010	165	200	108	110	138	104	125	4 x 19	19	11
60	10/16	10792020	175	240	119	123	148	115	135	4 x 19	19	13
65	10/16	10792030	185	240	119	123	148	115	145	4 x 19	19	13
80	10/16	10792040	200	260	137	140	166	122	160	8 x 19	19	16
100	10/16	10792050	220	300	157	168	175	135	180	8 x 19	19	22
125	10/16	10792060	250	350	186	215	205	155	210	8 x 19	19	33
150	10/16	10792070	285	400	210	242	220	170	240	8 x 23	19	46
200	10	10792080	340	500	242	295	250	200	295	8 x 23	20	69
200	16	10792085	340	500	242	295	250	200	295	12 x 23	20	69
250	10	10792090	400	600	296	377	287	232	350	12 x 23	22	98
250	16	10792095	400	600	296	377	287	232	355	12 x 28	22	98
300	10	10792100	455	700	325	427	310	260	400	12 x 23	24.5	138
300	16	10792105	455	700	325	427	310	260	410	12 x 28	24.5	140
350	10	10792110	505	800	400	480	340	280	460	16 x 23	24.5	151
350	16	10792115	520	800	400	480	340	280	470	16 x 28	26.5	158
400	10	10792120	565	900	435	531	387	330	515	16 x 28	24.5	286
400	16	10792125	580	900	435	531	387	330	525	16 x 31	28	291
450	10	10792130	615	1000	460	585	394	337	565	20 x 28	25.5	391
450	16	10792135	640	1000	460	585	394	337	585	20 x 31	30	406
500	10	10792140	670	1100	485	640	422	365	620	20 x 28	26.5	420
500	16	10792145	715	1100	485	640	422	365	650	20 x 34	31.5	445
600	10	10792150	780	1300	585	750	477	420	725	20 x 31	30	620
600	16	10792155	840	1300	585	750	477	420	770	20 x 37	36	670



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100% MADE IN EUROPE

SWING CHECK VALVE SUPRA

metal seated with lever and counterweight

DN 50 - 600 PN25/40

03.108



Product description

- Swing check valve metal seated with lever and counterweight series SUPRA for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN25/40
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Possibility of installing the lever to the left or right of the valve, making it easy to apply to walls or other obstacles
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the pipeline by loosening the screws of the bonnet can remove entire sealing system
- Reliability and stability of the sealing system, designed with double arm support on the shaft and obturator design that allows to fit to the valve body seal
- Valve body supplied as standard with bronze seat
- Obturator in stainless steel AISI 420
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility to be supplied with obturator in stainless steel AISI 316L, by-pass and plug application to check and clean.



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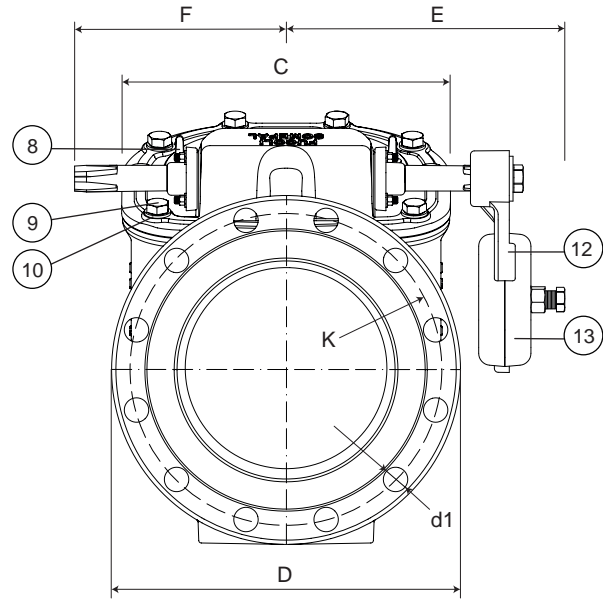
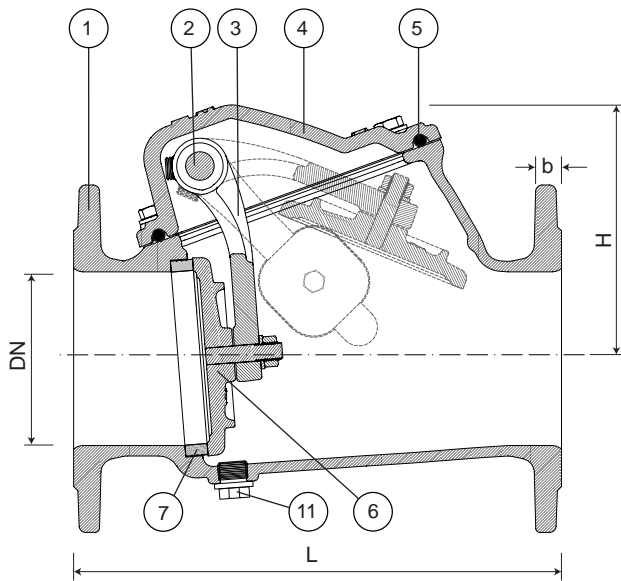
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SWING CHECK VALVE SUPRA
metal seated with lever and counterweight
 DN 50 - 600 PN25/40

03.108



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Obturator	Stainless Steel AISI 420	EN 10088 - 1
7	Seat	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982

pos.	components	material	standard
8	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Washers	Stainless steel A2	EN 10088 - 1
11	Plug (option)	Stainless steel A4	EN 10088 - 1
12	Lever	Ductile iron EN-GJS-500-7	EN 1563
13	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	E mm	F mm	K mm	n° x d1 mm	b mm	Kg approx.
50	25	10792310	165	200	108	110	138	104	125	4 x 19	19	11
50	40	10792510	165	200	108	110	138	104	125	4 x 19	19	11
60	25	10792320	175	240	119	123	148	115	135	8 x 19	19	16
60	40	10792520	175	240	119	123	148	115	135	8 x 19	19	16
65	25	10792330	185	240	119	123	148	115	145	8 x 19	19	17
65	40	10792530	185	240	119	123	148	115	145	8 x 19	19	17
80	25	10792340	200	260	137	140	166	122	160	8 x 19	19	18
80	40	10792540	200	260	137	140	166	122	160	8 x 19	19	18
100	25	10792350	235	300	157	168	175	135	190	8 x 23	19	26
100	40	10792550	235	300	157	168	175	135	190	8 x 23	19	26
125	25	10792360	270	350	186	215	205	155	220	8 x 28	19	38
125	40	10792560	270	350	186	215	205	155	220	8 x 28	23.5	39
150	25	10792370	300	400	210	242	220	170	250	8 x 28	20	54
150	40	10792570	300	400	210	242	220	170	250	8 x 28	26	57
200	25	10792380	360	500	242	295	250	200	310	12 x 28	22	79
200	40	10792580	375	500	242	295	250	200	320	12 x 31	30	91
250	25	10792390	425	600	296	377	287	232	370	12 x 31	24.5	119
250	40	10792590	450	600	296	377	287	232	385	12 x 34	34	128
300	25	10792400	485	700	325	427	310	260	430	16 x 31	27.5	169
300	40	10792600	515	700	325	427	310	260	450	16 x 34	39.5	187
350	25	10792410	555	800	400	480	340	280	490	16 x 34	30	171
350	40	10792610	580	800	400	480	340	280	510	16 x 37	44	201
400	25	10792420	620	900	435	531	387	330	550	16 x 37	32	300
400	40	10792620	660	900	435	531	387	330	585	16 x 41	48	349

continued on next page

SWING CHECK VALVE SUPRA
metal seated with lever and counterweight
 DN 50 - 600 PN25/40

03.108



continued from previous page

DN	PN	code	D mm	L mm	H mm	C mm	E mm	F mm	K mm	n° x d1 mm	b mm	Kg approx.
450	25	10792430	670	1000	460	585	394	337	600	20 x 37	34.5	420
450	40	10792630	685	1000	460	585	394	337	610	20 x 41	49	454
500	25	10792440	730	1100	485	640	422	365	660	20 x 37	36.5	450
500	40	10792640	755	1100	485	640	422	365	670	20 x 44	52	497
600	25	10792450	845	1300	585	750	477	420	770	20 x 41	42	724



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resilient seated

DN 50 - 300 PN10/16

**Product description**

- Swing check valve resilient seated series SOFT for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 24 ACC NY 131
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal position, the flow must coincide with the arrow direction engraved on the valve body
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the conduct by unfolding the cap bolts in order to remove the sealing system
- Reliability and stability of the sealing system, designed with double arm resting on the shaft and obturator with POM spacer that allows to fit the valve body seal
- Obturator fully vulcanized for drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility of shaft in AISI 316L, by-pass and plug application to check and clean.



BRUNNEN KUNSTSTOFFWERKE
VON ANWANDERN UND FORTSCHRITTEN



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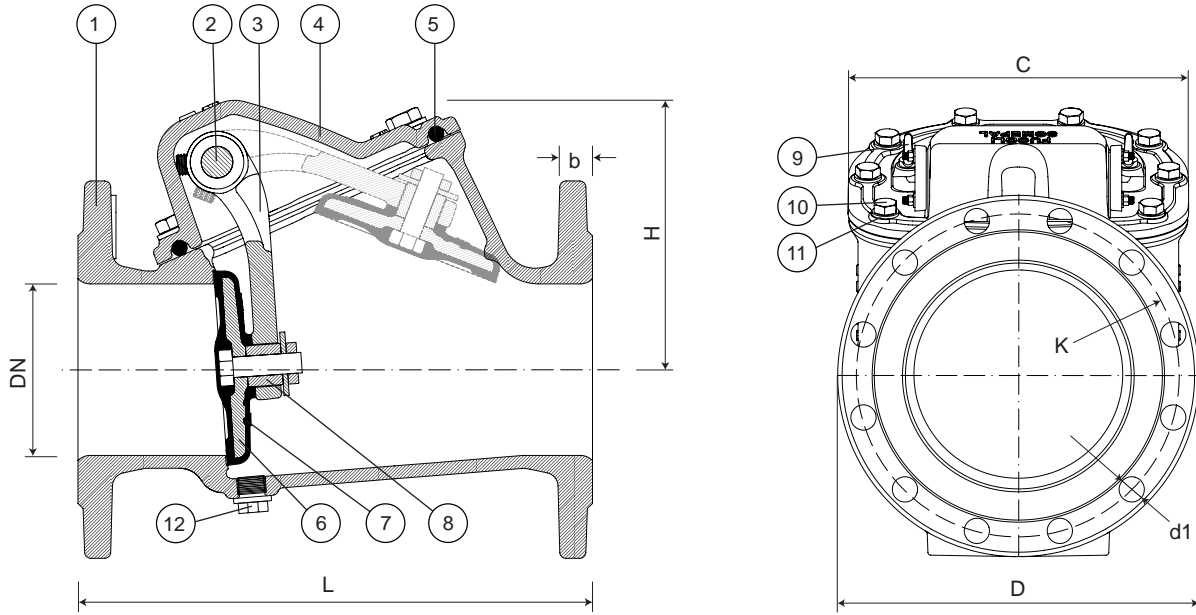
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SWING CHECK VALVE SOFT

resilient seated

DN 50 - 300 PN10/16

03.110



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 420	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Obturator	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
7	Obturator covering	Elastomer EPDM	EN 681 - 1
8	Spacer	POM	
9	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
10	Bolts	Stainless steel A2	EN 10088 - 1
11	Washers	Stainless steel A2	EN 10088 - 1
12	Plug (option)	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	K mm	nº x d1 mm	b mm	Kg approx.
50	10/16	10752710	165	200	108	110	125	4 x 19	19	9
60	10/16	10752715	175	240	119	123	135	4 x 19	19	11
65	10/16	10752720	185	240	119	123	145	4 x 19	19	12
80	10/16	10752725	200	260	137	140	160	8 x 19	19	15
100	10/16	10752730	220	300	157	168	180	8 x 19	19	20
125	10/16	10752735	250	350	185	215	210	8 x 19	19	30
150	10/16	10752740	285	400	210	242	240	8 x 23	19	41
200	10	10752745	340	500	242	295	295	8 x 23	20	64
200	16	10752750	340	500	242	295	295	12 x 23	20	68
250	10	10752755	400	600	296	377	350	12 x 23	22	94
250	16	10752760	400	600	296	377	355	12 x 28	22	94
300	10	10752765	455	700	325	427	400	12 x 23	25	136
300	16	10752770	455	700	325	427	410	12 x 28	25	136



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SWING CHECK VALVE SOFT

resilient seated with lever and counterweight

DN 50 - 300 PN10/16

03.111



Product description

- Swing check valve resilient seated with lever and counterweight series SOFT for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according to DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 24 ACC NY 131
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Possibility of installing the lever to the left or right of the valve, making it easy to apply to walls or other obstacles
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the conduct by unfolding the cap bolts in order to remove the sealing system
- Reliability and stability of the sealing system, designed with double arm resting on the shaft and obturator with POM spacer that allows to fit the valve body seal
- Obturator fully vulcanized for drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility of by-pass and plug application to check and clean.



DEUTSCHE KUNSTSTOFFINDEUSTRIE
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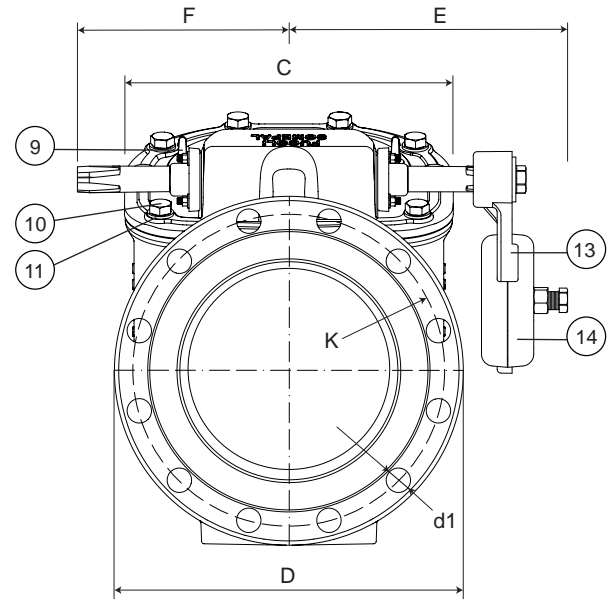
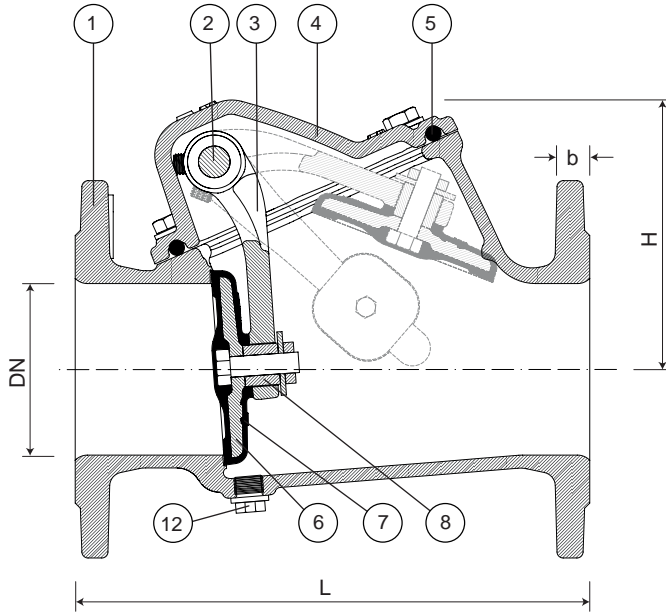
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SWING CHECK VALVE SOFT
resilient seated with lever and counterweight
 DN 50 - 300 PN10/16

03.111



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Obturator	Ductile iron EN-GJS-500-7	EN 1563
7	Obturator covering	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
8	Spacer	POM	
9	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
10	Bolts	Stainless steel A2	EN 10088 - 1
11	Washers	Stainless steel A2	EN 10088 - 1
12	Plug (option)	Stainless steel A4	EN 10088 - 1
13	Lever	Ductile iron EN-GJS-500-7	EN 1563
14	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	K mm	n° x d1 mm	b mm	Kg approx.
50	10/16	10792710	165	200	108	110	125	4 x 19	19	10
60	10/16	10792715	175	240	119	123	135	4 x 19	19	12
65	10/16	10792720	185	240	119	123	145	4 x 19	19	12
80	10/16	10792725	200	260	137	140	160	8 x 19	19	16
100	10/16	10792730	220	300	157	168	180	8 x 19	19	22
125	10/16	10792735	250	350	185	215	210	8 x 19	19	33
150	10/16	10792740	285	400	210	242	240	8 x 23	19	45
200	10	10792745	340	500	242	295	295	8 x 23	20	69
200	16	10792750	340	500	242	295	295	12 x 23	20	69
250	10	10792755	400	600	296	377	350	12 x 23	22	98
250	16	10792760	400	600	296	377	355	12 x 28	22	97
300	10	10792765	455	700	325	427	400	12 x 23	25	139
300	16	10792770	455	700	325	427	410	12 x 28	25	139



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BUTTERFLY TYPE CHECK VALVE

metal/rubber sealed

DN 150 - 1000 PN10/16

03.200



Product description

- Butterfly type check valve for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 12266:

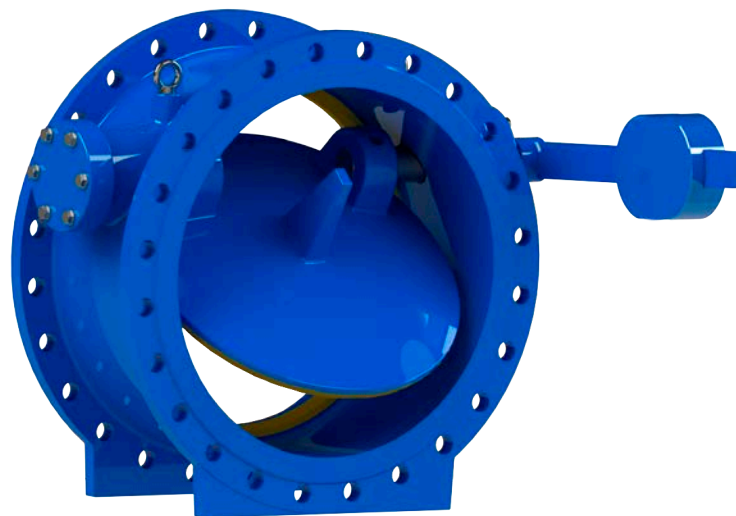
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- The valve should be installed on the horizontal position, the flow must coincide with the arrow direction engraved on the valve body. For installation in vertical position, consult our technical services
- Valve with double eccentricity of the obturator, allowing shorter closing times, decreased vibration and shocks that occur with reflux
- Body and obturator of the valve in ductile cast iron (EN-GJS-500-7)
- Body and obturator seat supplied as standard in bronze
- Shaft in stainless steel AISI 304
- Adjustable lever and counterweight to help the obturator to close and avoid water hammer, also allows to view the position of the obturator
- On request possibility to be supplied with seat and shaft in stainless steel in AISI 316L.



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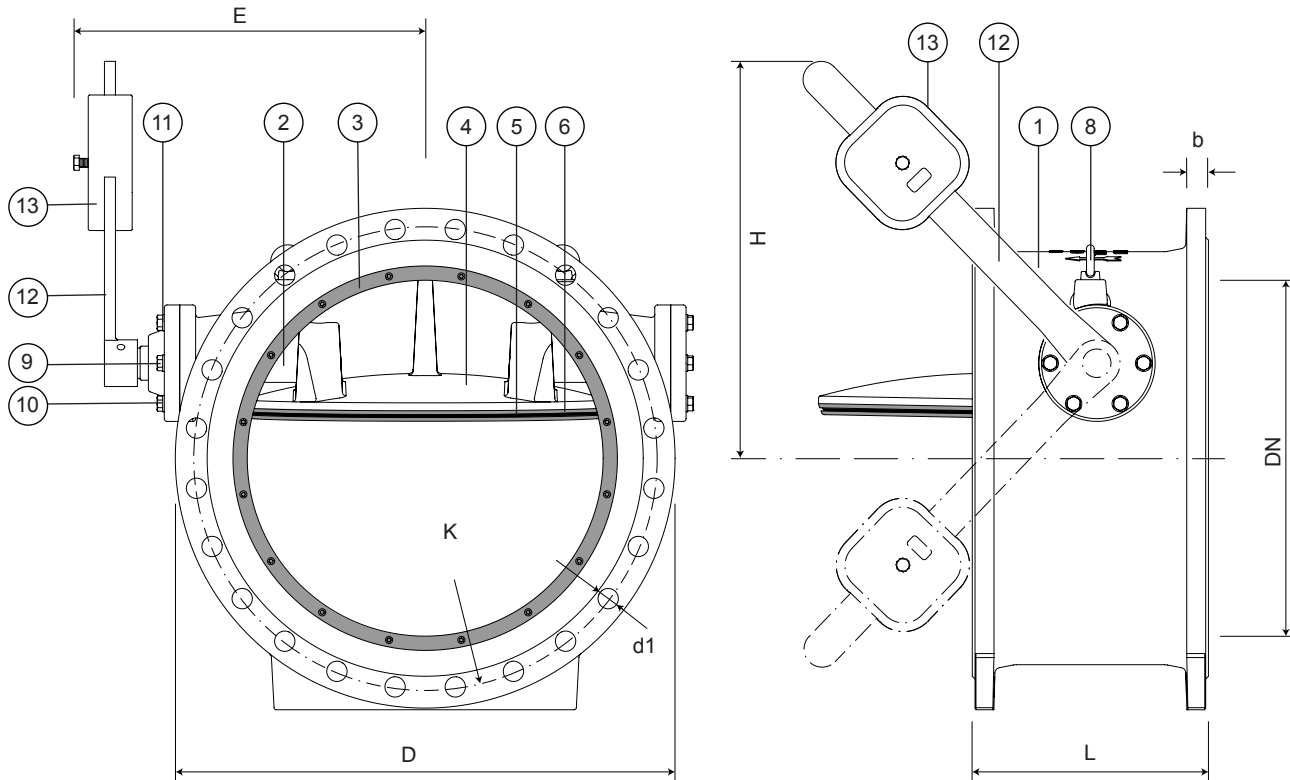
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BUTTERFLY TYPE CHECK VALVE

metal/rubber sealed

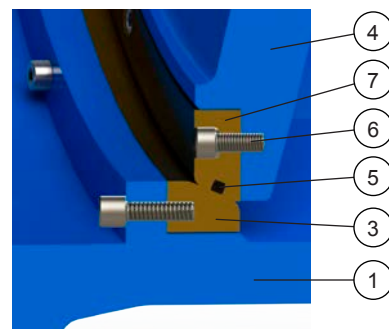
DN 150 - 1000 PN10/16

03.200



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 304	EN 10088 - 1
3	Body seat	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
4	Obturator	Ductile iron EN-GJS-500-7	EN 1563
5	Obturator sealing	Elastomer EPDM	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Obturator seat	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
8	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
9	Bolts	Steel zinc plated cl 8.8	ISO 898 - 2
10	Nuts	Steel zinc plated cl 8.8	ISO 898 - 2
11	Washers	Steel zinc plated	ISO 898 - 2
12	Lever	Ductile iron EN-GJS-500-7	EN 1563
13	Counterweight	Ductile iron EN-GJS-500-7	EN 1563



Sealing detail

Reference and dimensions

DN	PN	code	D	L	E	H max.	K	n° x d1	b	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	
150	10/16	10763027	285	210	235	205	240	8 x 23	19	36
200	10	10763028	340	230	275	235	295	8 x 23	20	52
200	16	10763058	340	230	275	235	295	12 x 23	20	52
250	10	10763029	400	250	265	300	350	12 x 23	22	69
250	16	10763059	400	250	265	300	355	12 x 28	22	69
300	10	10763030	455	270	345	310	400	12 x 23	24.5	100
300	16	10763060	455	270	345	310	410	12 x 28	24.5	100
350	10	10763031	505	290	380	385	460	16 x 23	24.5	138
350	16	10763061	520	290	380	385	470	16 x 28	26.5	147
400	10	10763032	565	310	440	450	515	16 x 28	24.5	178
400	16	10763062	580	310	440	450	525	16 x 31	28	188

continued on next page

BUTTERFLY TYPE CHECK VALVE

metal/rubber sealed

DN 150 - 1000 PN10/16

03.200



continued from previous page

DN	PN	code	D	L	E	H max. mm	K	n° x d1	b	Kg approx.
			mm	mm	mm		mm	mm	mm	
450	10	10763033	615	330	440	475	565	20 x 28	25.5	214
450	16	10763063	640	330	440	475	585	20 x 31	30	234
500	10	10763035	670	350	500	500	620	20 x 28	26.5	268
500	16	10763064	715	350	500	500	650	20 x 34	31.5	302
600	10	1 0763036	780	390	530	597	725	20 x 31	30	354
600	16	10763065	840	390	530	597	770	20 x 37	36	384
700	10	10763037	895	430	615	655	840	24 x 31	32.5	530
700	16	10763066	910	430	615	655	840	24 x 37	39.5	569
800	10	10763038	1015	470	680	760	950	24 x 34	35	725
800	16	10763067	1025	470	680	760	950	24 x 41	43	769
900	10	10763039	1115	510	780	850	1050	28 x 34	37.5	920
900	16	10763068	1125	510	780	850	1050	28 x 41	46.5	937
1000	10	10763040	1230	550	820	945	1160	28 x 37	40	1124
1000	16	10763070	1255	550	820	945	1170	28 x 44	50	1210



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CHECK VALVE BOLA

metal/rubber sealed

DN 32 - 400 PN10/16

03.300



Product description

- Check valve series BOLA for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 24 ACC NY 131
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Valve available in threaded or flanged model
- Full complete passage without obstacles, avoiding head loss
- The ball self-cleaning during the valve operation
- Easy maintenance valve, innovative system for removing the ball, which allows the ball to be removed from the valve, using only the key designed for this purpose, it is not necessary to remove the valve from the pipeline
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Round EPDM or NBR (on request) bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- EPDM coated aluminum ball (DN32 a DN100); Ductile iron EN-GJS-500-7 (DN125 a DN400); The rubber's hardness is optimized to prevent the ball from getting stuck
- Accessories: Key for ball extraction [ref.05.800]
- On request the possibility of applying a plug for checking and cleaning.



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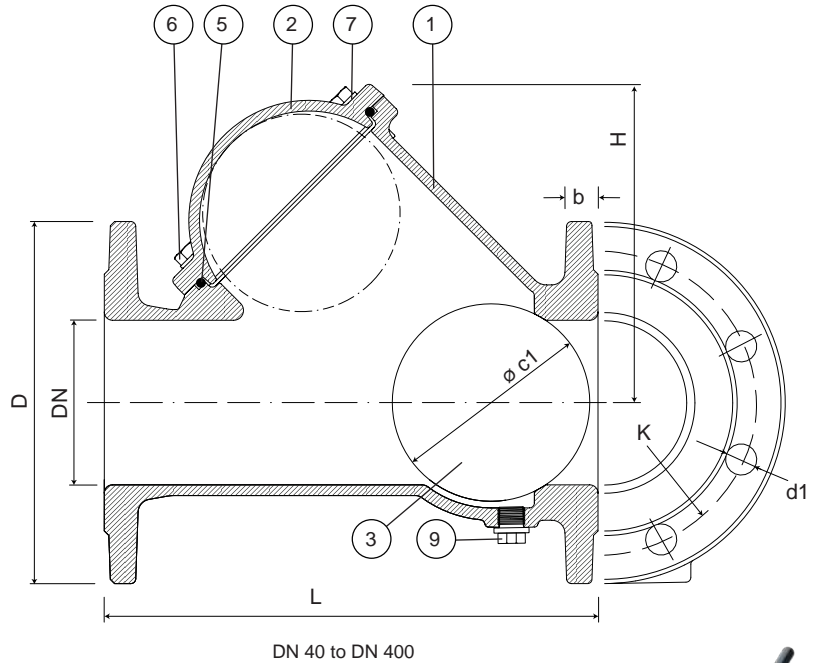
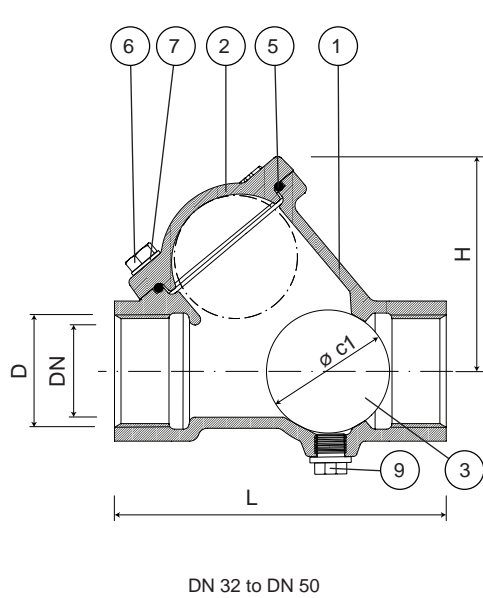
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CHECK VALVE BOLA
metal/rubber sealed
 DN 32 - 400 PN10/16

03.300



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
3	Ball	Aluminium ALSi 12 [DN32 to DN100] Ductile iron EN-GJS-500-7 [DN125 to DN400]	EN 1706 EN 1563
	Ball covering	Elastomer EPDM	EN 681 - 1
5	Bonnet gasket	Elastomer EPDM	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1
9	Plug (option)	Stainless steel A4	EN 10088 - 1



Detail of the extraction
 the ball using the key [ref.05.800]



Detail of the plug (option)

Reference and dimensions

DN	PN	code	D	ø c1	L	H	K	n° x d1	b	Ⓞ (option)	Kg approx.
Threaded model			(BSP)								
32	-	10763514	G 1¼"	50	140	105	-	-	-	G ¼"	3
40	-	10763524	G 1½"	50	150	105	-	-	-	G ¼"	3
50	-	10763534	G 2"	65	180	120	-	-	-	G ¾"	5
Flanged model			mm								
40	10/16	10763544	150	50	180	105	110	4 x 19	19	G ¼"	7
50	10/16	10763554	165	65	200	120	125	4 x 19	19	G ¾"	8
60	10/16	10763564	175	80	240	142	135	4 x 19	19	G ¾"	10
65	10/16	10763574	185	80	240	142	145	4 x 19	19	G ¾"	10
80	10/16	10763584	200	100	260	165	160	8 x 19	19	G ¾"	14
100	10/16	10763594	220	120	300	194	180	8 x 19	19	G ¾"	19
125	10/16	10763604	250	146	350	221	210	8 x 19	19	G ½"	25
150	10/16	10763614	285	173	400	262	240	8 x 23	19	G ½"	35
200	10	10763624	340	238	500	353	295	8 x 23	20	G ½"	61
200	16	10763628	340	238	500	353	295	12 x 23	20	G ½"	61
250	10	10763634	400	298	600	437	350	12 x 23	22	G ¾"	99
250	16	10763638	400	298	600	437	355	12 x 28	22	G ¾"	99
300	10	10763644	455	358	700	523	400	12 x 23	24.5	G ¾"	147
300	16	10763648	455	358	700	523	410	12 x 28	24.5	G ¾"	147

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CHECK VALVE BOLA
metal/rubber sealed
 DN 32 - 400 PN10/16

03.300



continued from previous page

DN	PN	code	D	ø c1 mm	L mm	H mm	K mm	n° x d1 mm	b mm	⑨ (option)	Kg approx.
350	10	10763654	505	418	800	611	460	16 x 23	24.5	G 1"	206
350	16	10763658	520	418	800	611	470	16 x 28	26.5	G 1"	213
400	10	10763664	565	478	900	700	515	16 x 28	24.5	G 1"	299
400	16	10763668	580	478	900	700	525	16 x 31	28	G 1"	308



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BUTTERFLY VALVE DUPLEX 500
with seat in ductile cast iron
DN 150 - 1100 PN10/16/25

04.100



Product description

- Butterfly valve series DUPLEX 500 for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 593
- Flange drilling to EN 1092-2 PN10/16/25
- Face-to-face according to EN 558 table 2 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

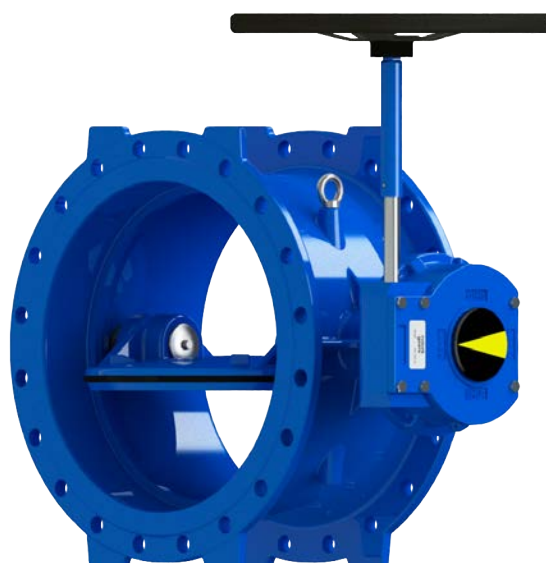
- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000004
- ACS Potability Certificate 23 ACC NY 592
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation and flow regulation valve approved for drinking water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body with integrated seat in ductile cast iron EN-GJS-500-7
- Shafts in stainless steel AISI 304 bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP67 correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- On request the possibility of obturator sealing in NBR/SBR, shafts in stainless steel AISI 316L and gearbox with limit switches.



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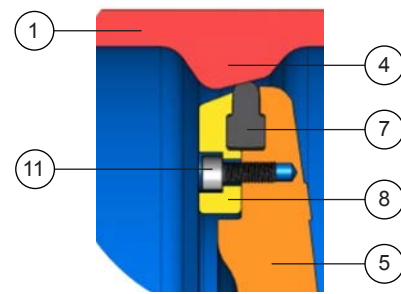
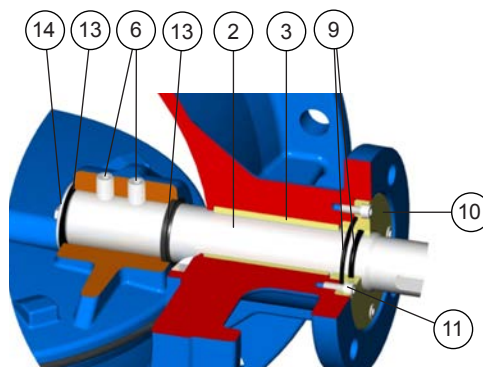
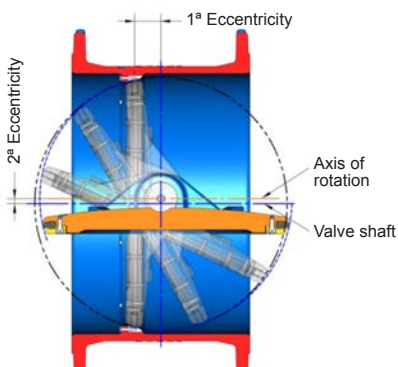
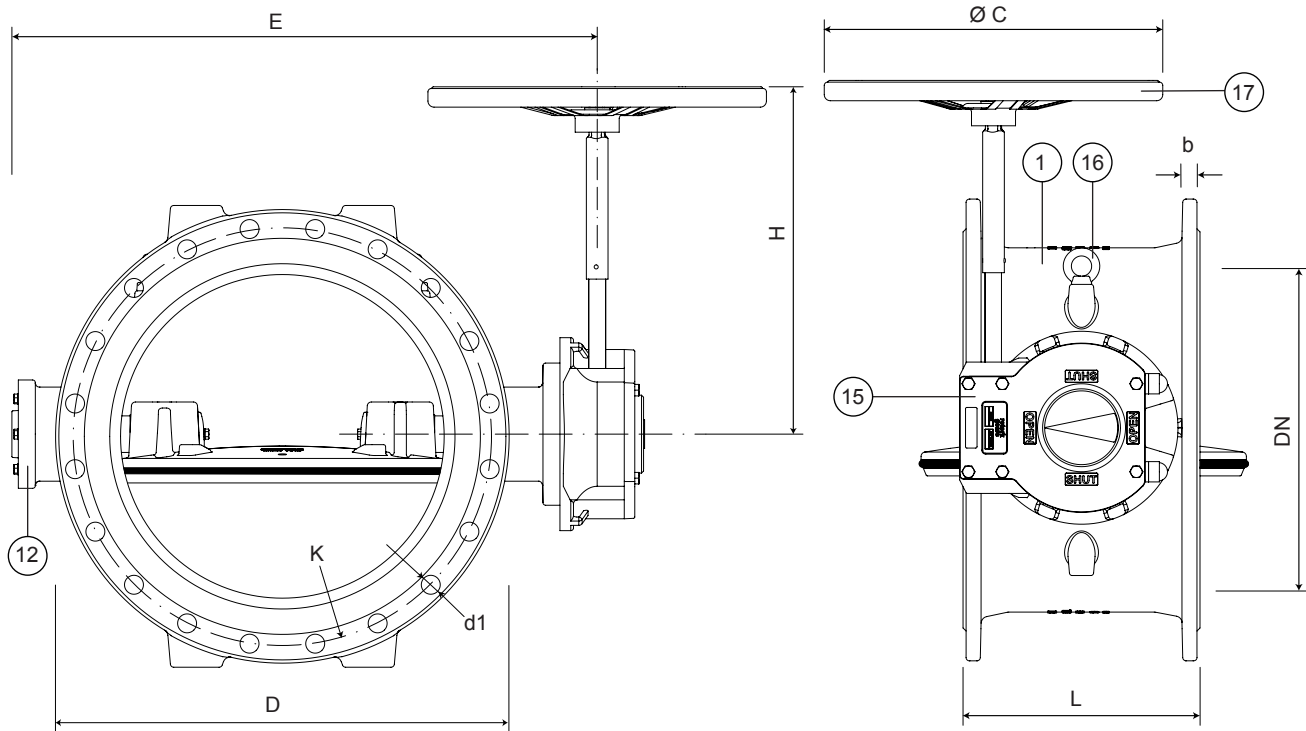
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BUTTERFLY VALVE DUPLEX 500

with seat in ductile cast iron

DN 150 - 1100 PN10/16/25

04.100



Seal detail with body seat in ductile cast iron EN-GJS-500

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 304	EN 10088 - 1
3	Shafts bushing	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
4	Body seat	Ductile iron EN-GJS-500-7	EN 1563
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer EPDM	EN 681 - 1
10	Locking ring O-ring	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer EPDM	EN 681 - 1
14	Shafts washer	Stainless steel AISI 304	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	Handwheel	Printed steel ST W24	10305 - 3

continued on next page

BUTTERFLY VALVE DUPLEX 500
with seat in ductile cast iron
 DN 150 - 1100 PN10/16/25

04.100



continued from previous page

Butterfly valve Duplex 500 with Rotork IP67



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	Ø C mm	Kg approx.
150	10/16	10770010	285	210	390	294	240	8 x 23	19	200	35
150	25	10772010	300	210	390	294	250	8 x 28	20	200	38
200	10	10770020	340	230	445	304	295	8 x 23	20	200	48
200	16	10771020	340	230	445	304	295	12 x 23	20	200	48
200	25	10772020	360	230	445	304	310	12 x 28	22	250	57
250	10	10770030	400	250	525	380	350	12 x 23	22	250	74
250	16	10771030	400	250	525	380	355	12 x 28	22	250	74
250	25	10772030	425	250	525	380	370	12 x 31	24.5	250	86
300	10	10770040	455	270	576	380	400	12 x 23	24.5	250	94
300	16	10771040	455	270	576	380	410	12 x 28	24.5	250	97
300	25	10772040	485	270	576	380	430	16 x 31	27.5	300	99
350	10	10770050	505	290	640	441	460	16 x 23	24.5	300	125
350	16	10771050	520	290	640	441	470	16 x 28	26.5	300	132
350	25	10772050	555	290	640	441	490	16 x 34	30	300	145
400	10	10770060	565	310	731	441	515	16 x 28	24.5	300	141
400	16	10771060	580	310	731	441	525	16 x 31	28	300	157
400	25	10772060	620	310	731	441	550	16 x 37	32	300	175
450	10	10770070	615	330	813	555	565	20 x 28	25.5	300	197
450	16	10771070	640	330	813	555	585	20 x 31	30	300	221
450	25	10772070	670	330	813	555	600	20 x 37	34.5	300	230
500	10	10770080	670	350	861	555	620	20 x 28	26.5	300	232
500	16	10771080	715	350	861	555	650	20 x 34	31.5	300	259
500	25	10772080	730	350	861	555	660	20 x 37	36.5	300	283
600	10	10770100	780	390	985	610	725	20 x 31	30	300	331
600	16	10771100	840	390	985	610	770	20 x 37	36	300	360
600	25	10772100	845	390	985	610	770	20 x 41	42	300	392
700	10	10770120	895	430	1095	660	840	24 x 31	32.5	300	485
700	16	10771120	910	430	1095	660	840	24 x 37	39.5	300	493
700	25	10772120	960	430	1095	660	875	24 x 44	46.5	300	773
800	10	10770140	1015	470	1195	660	950	24 x 34	35	300	563
800	16	10771140	1025	470	1195	660	950	24 x 41	43	300	631
800	25	10772140	1085	470	1195	660	990	24 x 50	51	300	919
900	10	10770160	1115	510	1340	660	1050	28 x 34	37.5	300	910
900	16	10771160	1125	510	1340	660	1050	28 x 41	46.5	300	942
900	25	10772160	1185	510	1340	660	1090	28 x 50	55.5	500	1046
1000	10	10770180	1230	550	1495	670	1160	28 x 37	40	300	1083
1000	16	10771180	1255	550	1495	670	1170	28 x 44	50	300	1150
1000	25	10772180	1320	550	1495	670	1210	28 x 57	60	500	1279
1100	10	10770200	1340	590	1613	700	1270	32 x 37	42.5	300	1650
1100	16	10771200	1355	590	1613	700	1270	32 x 44	53.5	300	1738

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BUTTERFLY VALVE DUPLEX 500

with seat in ductile cast iron

DN 150 - 1100 PN10/16/25

04.100



continued from previous page

Butterfly valve Duplex 500 with Auma IP68 (Motorizable)



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	ISO flange for actuator	Ø C mm	Kg approx.
150	10/16	10770010GSVOL	285	210	390	294	240	8 x 23	19	F10	200	-
150	25	10772010GSVOL	300	210	390	294	250	8 x 28	20	F10	200	-
200	10	10770020GSVOL	340	230	445	304	295	8 x 23	20	F10	200	-
200	16	10771020GSVOL	340	230	445	304	295	12 x 23	20	F10	200	-
200	25	10772020GSVOL	360	230	445	304	310	12 x 28	22	F10	250	-
250	10	10770030GSVOL	400	250	525	380	350	12 x 23	22	F10	250	-
250	16	10771030GSVOL	400	250	525	380	355	12 x 28	22	F10	250	-
250	25	10772030GSVOL	425	250	525	380	370	12 x 31	24.5	F10	250	-
300	10	10770040GSVOL	455	270	576	380	400	12 x 23	24.5	F10	250	-
300	16	10771040GSVOL	455	270	576	380	410	12 x 28	24.5	F10	250	-
300	25	10772040GSVOL	485	270	576	380	430	16 x 31	27.5	F10	300	-
350	10	10770050GSVOL	505	290	640	441	460	16 x 23	24.5	F10	300	-
350	16	10771050GSVOL	520	290	640	441	470	16 x 28	26.5	F10	300	-
350	25	10772050GSVOL	555	290	640	441	490	16 x 34	30	F10	300	-
400	10	10770060 GSVOL	565	310	731	441	515	16 x 28	24.5	F10	300	-
400	16	10771060GSVOL	580	310	731	441	525	16 x 31	28	F10	300	-
400	25	10772060GSVOL	620	310	731	441	550	16 x 37	32	F10	300	-
450	10	10770070GSVOL	615	330	813	555	565	20 x 28	25.5	F10	300	-
450	16	10771070GSVOL	640	330	813	555	585	20 x 31	30	F10	300	-
450	25	10772070GSVOL	670	330	813	555	600	20 x 37	34.5	F10	300	-
500	10	10770080GSVOL	670	350	861	555	620	20 x 28	26.5	F10	300	-
500	16	10771080GSVOL	715	350	861	555	650	20 x 34	31.5	F10	300	-
500	25	10772080GSVOL	730	350	861	555	660	20 x 37	36.5	F10	300	-
600	10	10770100GSVOL	780	390	985	610	725	20 x 31	30	F10	300	-
600	16	10771100GSVOL	840	390	985	610	770	20 x 37	36	F10	300	-
600	25	10772100GSVOL	845	390	985	610	770	20 x 41	42	F10	300	-
700	10	10770120GSVOL	895	430	1095	660	840	24 x 31	32.5	F10	300	-
700	16	10771120GSVOL	910	430	1095	660	840	24 x 37	39.5	F10	300	-
700	25	10772120GSVOL	960	430	1095	660	875	24 x 44	46.5	F10	300	-
800	10	10770140GSVOL	1015	470	1195	660	950	24 x 34	35	F10	300	-
800	16	10771140GSVOL	1025	470	1195	660	950	24 x 41	43	F10	300	-
800	25	10772140GSVOL	1085	470	1195	660	990	24 x 50	51	F10	300	-
900	10	10770160GSVOL	1115	510	1340	660	1050	28 x 34	37.5	F10	300	-
900	16	10771160GSVOL	1125	510	1340	660	1050	28 x 41	46.5	F10	300	-
900	25	10772160GSVOL	1185	510	1340	660	1090	28 x 50	55.5	F10	500	-
1000	10	10770180GSVOL	1230	550	1495	670	1160	28 x 37	40	F10	300	-
1000	16	10771180GSVOL	1255	550	1495	670	1170	28 x 44	50	F10	300	-
1000	25	10772180GSVOL	1320	550	1495	670	1210	28 x 57	60	F14	500	-
1100	10	10770200GSVOL	1340	590	1613	700	1270	32 x 37	42.5	F10	300	-
1100	16	10771200GSVOL	1355	590	1613	700	1270	32 x 44	53.5	F14	300	-



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BUTTERFLY VALVE DUPLEX 500
with seat in ductile cast iron, gearbox and Auma electric actuator
DN 150 - 1100 PN10/16/25

04.100A



Product description

- Butterfly valve series DUPLEX 500 with seat in ductile cast iron, gearbox and Auma electric actuator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 593
- Flange drilling to EN 1092-2 PN10/16/25
- Face-to-face according to EN 558 table 2 series 14
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

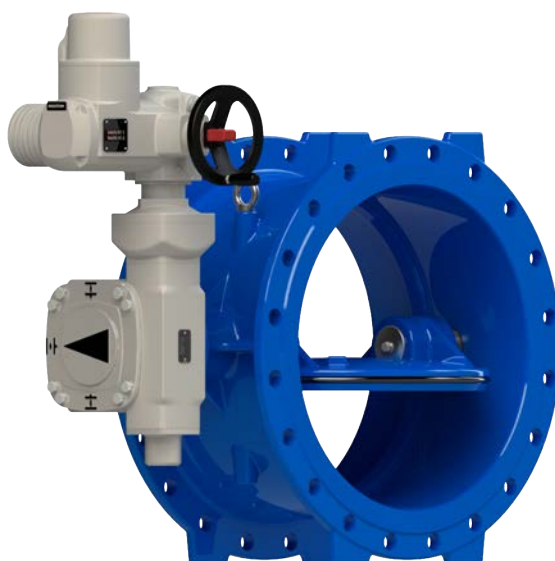
- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 23 ACC NY 592
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation and flow regulation valve approved for drinking water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body with integrated seat in ductile cast iron EN-GJS-500-7
- Shafts in stainless steel AISI 304 bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP68 and electric actuator Auma Norm correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of actuator Auma Norm single phrase, Auma Matic, Aumatic or others, obturator sealing in NBR/SBR and shafts in stainless steel AISI 316.



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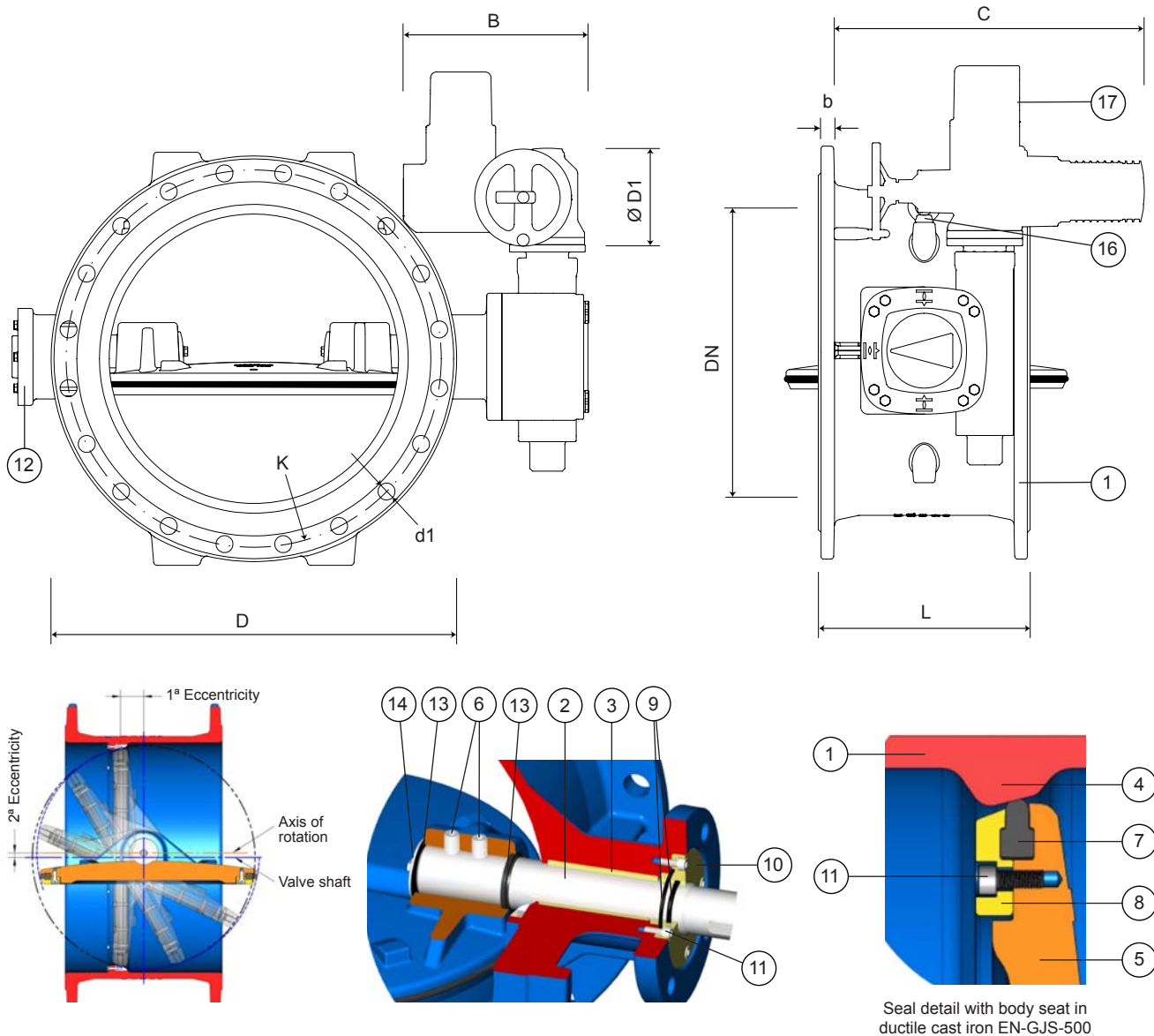
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BUTTERFLY VALVE DUPLEX 500
with seat in ductile cast iron, gearbox and Auma electric actuator
 DN 150 - 1100 PN10/16/25

04.100A



Seal detail with body seat in ductile cast iron EN-GJS-500

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 304	EN 10088 - 1
3	Shafts bushing	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
4	Body seat	Ductile iron EN-GJS-500-7	EN 1563
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer EPDM	EN 681 - 1
10	Locking ring O-ring	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer EPDM	EN 681 - 1
14	Shafts washer	Stainless steel AISI 304	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	AUMA electric actuator	-	-

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BUTTERFLY VALVE DUPLEX 500

with seat in ductile cast iron, gearbox and Auma electric actuator

DN 150 - 1100 PN10/16/25

04.100A



continued from previous page

Reference and dimensions

DN	PN	code	D	L	K	n° x d1	b	AUMA atuator	B	C	Ø D1	RPM atuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm		mm	mm	mm			
150	10/16	10764175A	285	210	240	8 x 23	19	SA 7.6	300	514	160	22	35	58
150	25	10769175A	300	210	250	8 x 28	20	SA 7.6	300	514	160	22	35	61
200	10	10764195A	340	230	295	8 x 23	20	SA 7.6	300	514	160	22	35	71
200	16	10765205A	340	230	295	12 x 23	20	SA 7.6	300	514	160	22	35	71
200	25	10769195A	360	230	310	12 x 28	22	SA 7.6	300	514	160	22	35	76
250	10	10764215A	400	250	350	12 x 23	22	SA 7.6	300	514	160	16	48	97
250	16	10765225A	400	250	355	12 x 28	22	SA 7.6	300	514	160	16	48	98
250	25	10769215A	425	250	370	12 x 31	24.5	SA 7.6	300	514	160	16	48	110
300	10	10764235A	455	270	400	12 x 23	24.5	SA 7.6	300	514	160	16	48	118
300	16	10765245A	455	270	410	12 x 28	24.5	SA 7.6	300	514	160	16	48	121
300	25	10769235A	485	270	430	16 x 31	27.5	SA 10.2	313	537	200	16	50	126
350	10	10764255A	505	290	460	16 x 23	24.5	SA 7.6	300	514	160	16	50	148
350	16	10765265A	520	290	470	16 x 28	26.5	SA 10.2	313	537	200	16	50	159
350	25	10769255A	555	290	490	16 x 34	30	SA 10.2	313	537	200	16	50	164
400	10	10764275A	565	310	515	16 x 28	24.5	SA 7.6	300	514	160	16	50	164
400	16	10765285A	580	310	525	16 x 31	28	SA 10.2	313	537	200	16	50	184
400	25	10769275A	620	310	550	16 x 37	32	SA 7.6	300	514	160	32	98	213
450	10	10764295A	615	330	565	20 x 28	25.5	SA 7.6	300	514	160	32	98	225
450	16	10765305A	640	330	585	20 x 31	30	SA 7.6	300	514	160	32	98	249
450	25	10769295A	670	330	600	20 x 37	34.5	SA 7.6	300	514	160	32	98	245
500	10	10764315A	670	350	620	20 x 28	26.5	SA 7.6	300	514	160	32	98	259
500	16	10765325A	715	350	650	20 x 34	31.5	SA 7.6	300	514	160	32	98	287
500	25	10769315A	730	350	660	20 x 37	36.5	SA 10.2	313	537	200	32	98	309
600	10	10764335A	780	390	725	20 x 31	30	SA 7.6	300	514	160	32	98	346
600	16	10765345A	840	390	770	20 x 37	36	SA 10.2	313	537	200	22	142	386
600	25	10769335A	845	390	770	20 x 41	42	SA 10.2	313	537	200	22	142	393
700	10	10764355A	895	430	840	24 x 31	32.5	SA 10.2	313	537	200	22	142	486
700	16	10765365A	910	430	840	24 x 37	39.5	SA 10.2	313	537	200	22	142	494
700	25	10769355A	960	430	875	24 x 44	46.5	SA 10.2	313	537	200	32	207	664
800	10	10764375A	1015	470	950	24 x 34	35	SA 10.2	313	537	200	22	142	564
800	16	10765385A	1025	470	950	24 x 41	43	SA 10.2	313	537	200	32	207	677
800	25	10769375A	1085	470	990	24 x 50	51	SA 10.2	313	537	200	45	288	889
900	10	10764395A	1115	510	1050	28 x 34	37.5	SA 7.6	300	514	160	32	207	797
900	16	10765405A	1125	510	1050	28 x 41	46.5	SA 7.6	300	514	160	45	288	908
900	25	10769395A	1185	510	1090	28 x 50	55.5	SA 10.2	313	537	200	45	288	1016
1000	10	10764415A	1230	550	1160	28 x 37	40	SA 10.2	313	537	200	22	301	974
1000	16	10765425A	1255	550	1170	28 x 44	50	SA 10.2	313	537	200	32	405	1120
1000	25	10769415A	1320	550	1210	28 x 57	60	SA 14.2	377	725	315	22	578	1410
1100	10	10764435A	1340	590	1270	32 x 37	42.5	SA 10.2	313	537	200	32	405	1758
1100	16	10765445A	1355	590	1270	32 x 44	53.5	SA 14.2	377	725	315	22	578	1834



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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
DN 150 - 1100 PN10/16/25

04.102



Product description

- Butterfly valve series DUPLEX 316L for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 593
- Flange drilling to EN 1092-2 PN10/16/25
- Face-to-face according to EN 558 table 2 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

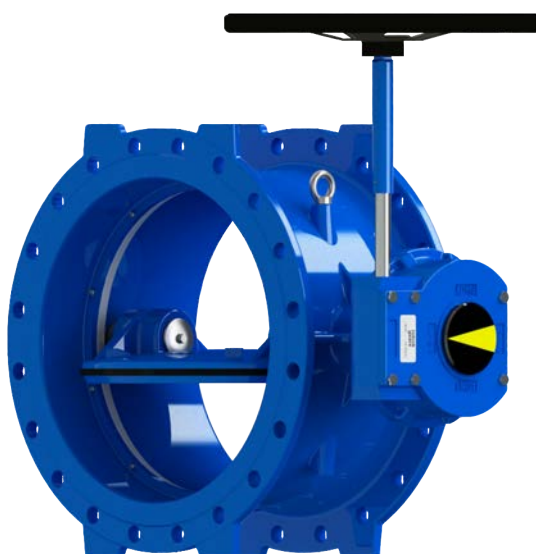
- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000004
- ACS Potability Certificate 23 ACC NY 592
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation and flow regulation valve approved for drinking water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body in ductile cast iron EN-GJS-500-7
- Body seat in stainless steel AISI 316L
- Shafts in stainless steel AISI 316L bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP67 correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- On request the possibility of obturator sealing in NBR/SBR, gearbox IP68 and gearbox with limit switches.



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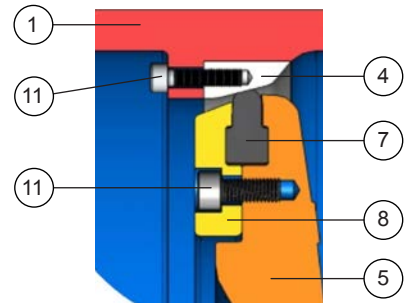
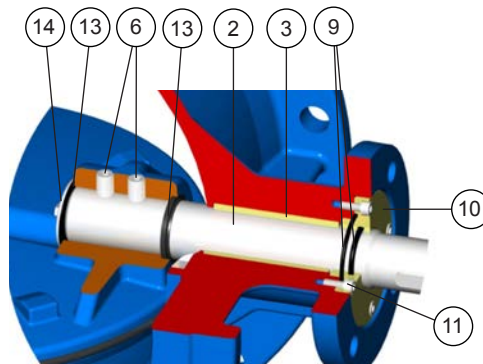
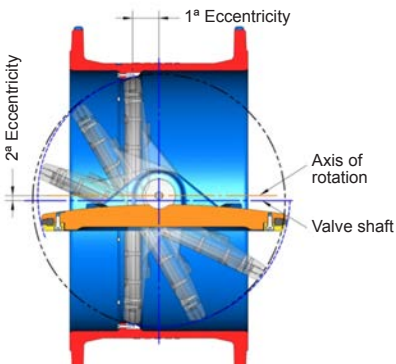
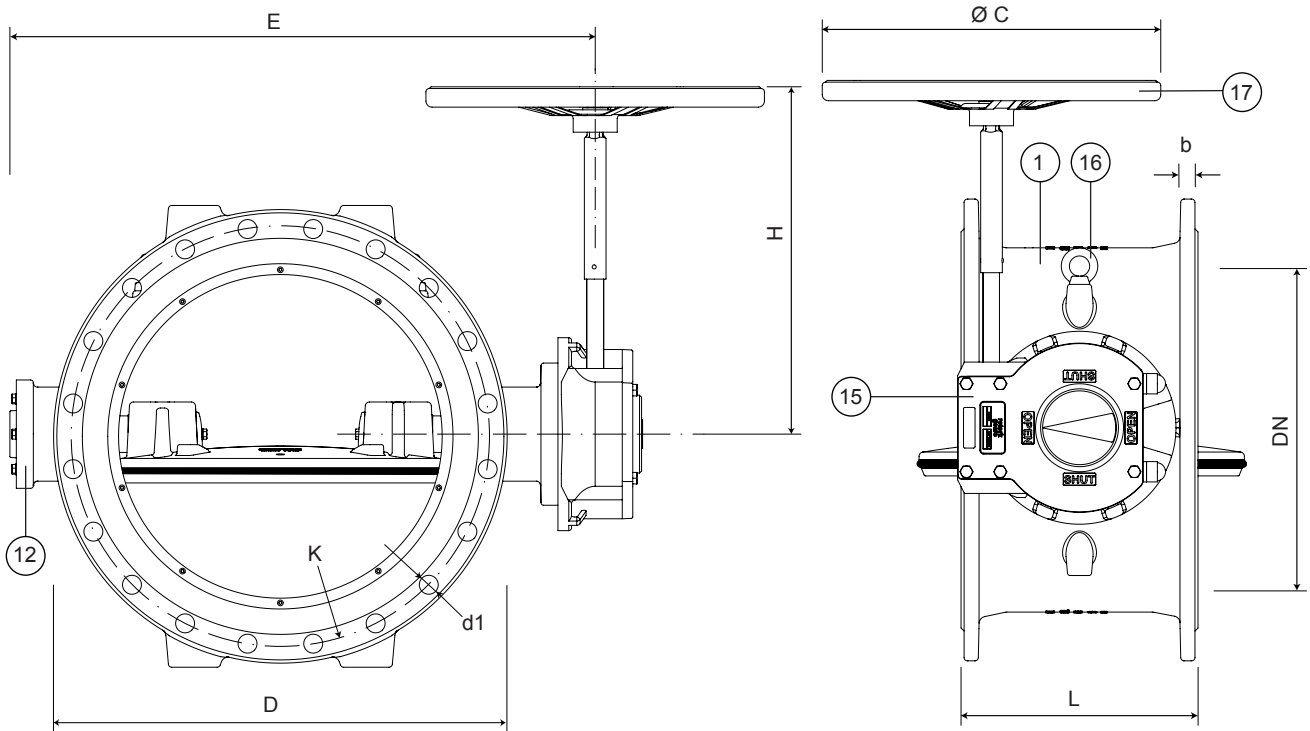
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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
 DN 150 - 1100 PN10/16/25

04.102



Seal detail with body seat in stainless steel AISI 316L

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 316L	EN 10088 - 1
3	Shafts bushing	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
4	Body seat	Stainless steel AISI 316L	EN 10088 - 1
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer EPDM	EN 681 - 1
10	Locking ring O-ring	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer EPDM	EN 681 - 1
14	Shafts washer	Stainless steel AISI 316L	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	Handwheel	Printed steel ST W24	10305 - 3

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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
 DN 150 - 1100 PN10/16/25

04.102



continued from previous page

Butterfly valve Duplex 316L with Rotork IP67



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	Ø C mm	Kg approx.
150	10/16	10776010	285	210	390	294	240	8 x 23	19	200	35
150	25	10778010	300	210	390	294	250	8 x 28	20	200	43
200	10	10776020	340	230	445	304	295	8 x 23	20	200	46
200	16	10777020	340	230	445	304	295	12 x 23	20	200	71
200	25	10778020	360	230	445	304	310	12 x 28	22	250	71
250	10	10776030	400	250	525	380	350	12 x 23	22	250	74
250	16	10777030	400	250	525	380	355	12 x 28	22	250	74
250	25	10778030	425	250	525	380	370	12 x 31	24.5	250	84
300	10	10776040	455	270	576	380	400	12 x 23	24.5	250	91
300	16	10777040	455	270	576	380	410	12 x 28	24.5	250	91
300	25	10778040	485	270	576	380	430	16 x 31	27.5	300	103
350	10	10776050	505	290	640	441	460	16 x 23	24.5	300	127
350	16	10777050	520	290	640	441	470	16 x 28	26.5	300	135
350	25	10778050	555	290	640	441	490	16 x 34	30	300	146
400	10	10776060	565	310	731	441	515	16 x 28	24.5	300	148
400	16	10777060	580	310	731	441	525	16 x 31	28	300	157
400	25	10778060	620	310	731	441	550	16 x 37	32	300	176
450	10	10776070	615	330	813	555	565	20 x 28	25.5	300	198
450	16	10777070	640	330	813	555	585	20 x 31	30	300	220
450	25	10778070	670	330	813	555	600	20 x 37	34.5	300	231
500	10	10776080	670	350	861	555	620	20 x 28	26.5	300	233
500	16	10777080	715	350	861	555	650	20 x 34	31.5	300	257
500	25	10778080	730	350	861	555	660	20 x 37	36.5	300	283
600	10	10776100	780	390	985	610	725	20 x 31	30	300	312
600	16	10777100	840	390	985	610	770	20 x 37	36	300	355
600	25	10778100	845	390	985	610	770	20 x 41	42	300	396
700	10	10776120	895	430	1095	660	840	24 x 31	32.5	300	460
700	16	10777120	910	430	1095	660	840	24 x 37	39.5	300	512
700	25	10778120	960	430	1095	660	875	24 x 44	46.5	300	774
800	10	10776140	1015	470	1195	660	950	24 x 34	35	300	582
800	16	10777140	1025	470	1195	660	950	24 x 41	43	300	632
800	25	10778140	1085	470	1195	660	990	24 x 50	51	300	919
900	10	10776160	1115	510	1340	660	1050	28 x 34	37.5	300	895
900	16	10777160	1125	510	1340	660	1050	28 x 41	46.5	300	943
900	25	10778160	1185	510	1340	660	1090	28 x 50	55.5	500	1047
1000	10	10776180	1230	550	1495	670	1160	28 x 37	40	300	1081
1000	16	10777180	1255	550	1495	670	1170	28 x 44	50	300	1152
1000	25	10778180	1320	550	1495	670	1210	28 x 57	60	500	1281
1100	10	10776200	1340	590	1613	700	1270	32 x 37	42.5	300	1653
1100	16	10777200	1355	590	1613	700	1270	32 x 44	53.5	300	1741

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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
 DN 150 - 1100 PN10/16/25

04.102



continued from previous page

Butterfly valve Duplex 316L with Auma IP68 (Motorizable)



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	ISO flange for actuator	Ø C mm	Kg approx.
150	10/16	10776010GSVOL	285	210	390	294	240	8 x 23	19	F10	200	-
150	25	10778010GSVOL	300	210	390	294	250	8 x 28	20	F10	200	-
200	10	10776020GSVOL	340	230	445	304	295	8 x 23	20	F10	200	-
200	16	10777020GSVOL	340	230	445	304	295	12 x 23	20	F10	200	-
200	25	10778020GSVOL	360	230	445	304	310	12 x 28	22	F10	250	-
250	10	10776030GSVOL	400	250	525	380	350	12 x 23	22	F10	250	-
250	16	10777030GSVOL	400	250	525	380	355	12 x 28	22	F10	250	-
250	25	10778030GSVOL	425	250	525	380	370	12 x 31	24.5	F10	250	-
300	10	10776040GSVOL	455	270	576	380	400	12 x 23	24.5	F10	250	-
300	16	10777040GSVOL	455	270	576	380	410	12 x 28	24.5	F10	250	-
300	25	10778040GSVOL	485	270	576	380	430	16 x 31	27.5	F10	300	-
350	10	10776050GSVOL	505	290	640	441	460	16 x 23	24.5	F10	300	-
350	16	10777050GSVOL	520	290	640	441	470	16 x 28	26.5	F10	300	-
350	25	10778050GSVOL	555	290	640	441	490	16 x 34	30	F10	300	-
400	10	10776060GSVOL	565	310	731	441	515	16 x 28	24.5	F10	300	-
400	16	10777060GSVOL	580	310	731	441	525	16 x 31	28	F10	300	-
400	25	10778060GSVOL	620	310	731	441	550	16 x 37	32	F10	300	-
450	10	10776070GSVOL	615	330	813	555	565	20 x 28	25.5	F10	300	-
450	16	10777070GSVOL	640	330	813	555	585	20 x 31	30	F10	300	-
450	25	10778070GSVOL	670	330	813	555	600	20 x 37	34.5	F10	300	-
500	10	10776080GSVOL	670	350	861	555	620	20 x 28	26.5	F10	300	-
500	16	10777080GSVOL	715	350	861	555	650	20 x 34	31.5	F10	300	-
500	25	10778080GSVOL	730	350	861	555	660	20 x 37	36.5	F10	300	-
600	10	10776100GSVOL	780	390	985	610	725	20 x 31	30	F10	300	-
600	16	10777100GSVOL	840	390	985	610	770	20 x 37	36	F10	300	-
600	25	10778100GSVOL	845	390	985	610	770	20 x 41	42	F10	300	-
700	10	10776120GSVOL	895	430	1095	660	840	24 x 31	32.5	F10	300	-
700	16	10777120GSVOL	910	430	1095	660	840	24 x 37	39.5	F10	300	-
700	25	10778120GSVOL	960	430	1095	660	875	24 x 44	46.5	F10	300	-
800	10	10776140GSVOL	1015	470	1195	660	950	24 x 34	35	F10	300	-
800	16	10777140GSVOL	1025	470	1195	660	950	24 x 41	43	F10	300	-
800	25	10778140GSVOL	1085	470	1195	660	990	24 x 50	51	F10	300	-
900	10	10776160GSVOL	1115	510	1340	660	1050	28 x 34	37.5	F10	300	-
900	16	10777160GSVOL	1125	510	1340	660	1050	28 x 41	46.5	F10	300	-
900	25	10778160GSVOL	1185	510	1340	660	1090	28 x 50	55.5	F10	500	-
1000	10	10776180GSVOL	1230	550	1495	670	1160	28 x 37	40	F10	300	-
1000	16	10777180GSVOL	1255	550	1495	670	1170	28 x 44	50	F10	300	-
1000	25	10778180GSVOL	1320	550	1495	670	1210	28 x 57	60	F14	500	-
1100	10	10776200GSVOL	1340	590	1613	700	1270	32 x 37	42.5	F10	300	-
1100	16	10777200GSVOL	1355	590	1613	700	1270	32 x 44	53.5	F14	300	-



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Product description

- Butterfly valve series DUPLEX 316L with seat in stainless steel, gearbox and Auma electric actuator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 593
- Flange drilling to EN 1092-2 PN10/16/25
- Face-to-face according to EN 558 table 2 series 14
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

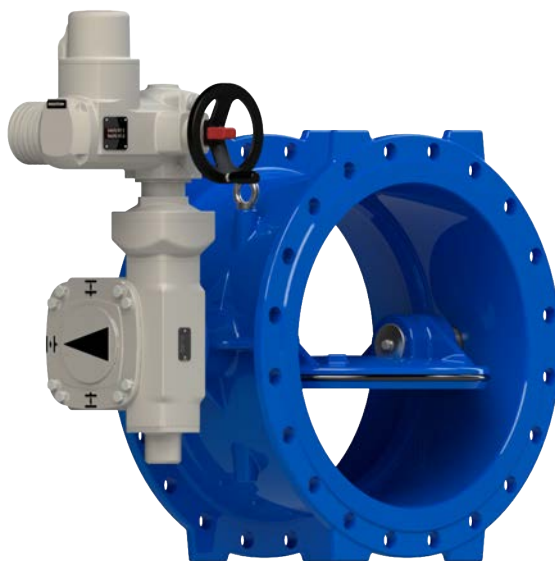
- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Approvals

- Certificação de potabilidade ACS certificado 23 ACC NY 592
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation and flow regulation valve approved for drinking water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body with integrated seat in ductile cast iron EN-GJS-500-7
- Shafts in stainless steel AISI 304 bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP68 and electric actuator Auma Norm correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of actuator Auma Norm single phrase, Auma Matic, Aumatic or others, obturator sealing in NBR/SBR and shafts in stainless steel AISI 316.



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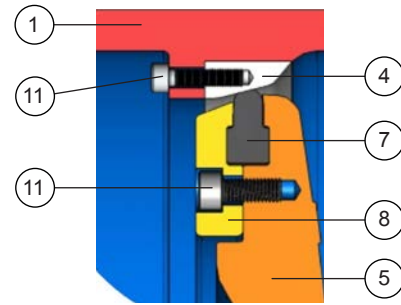
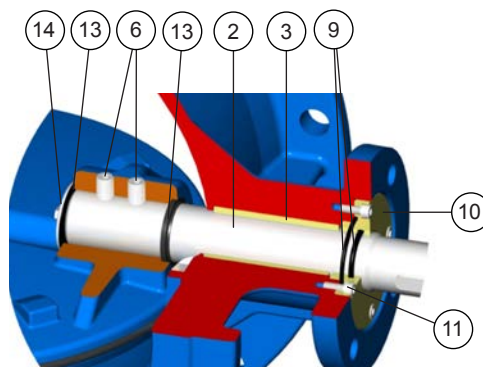
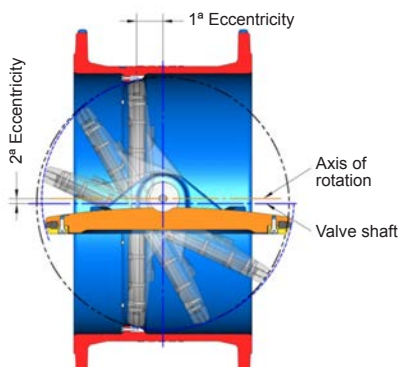
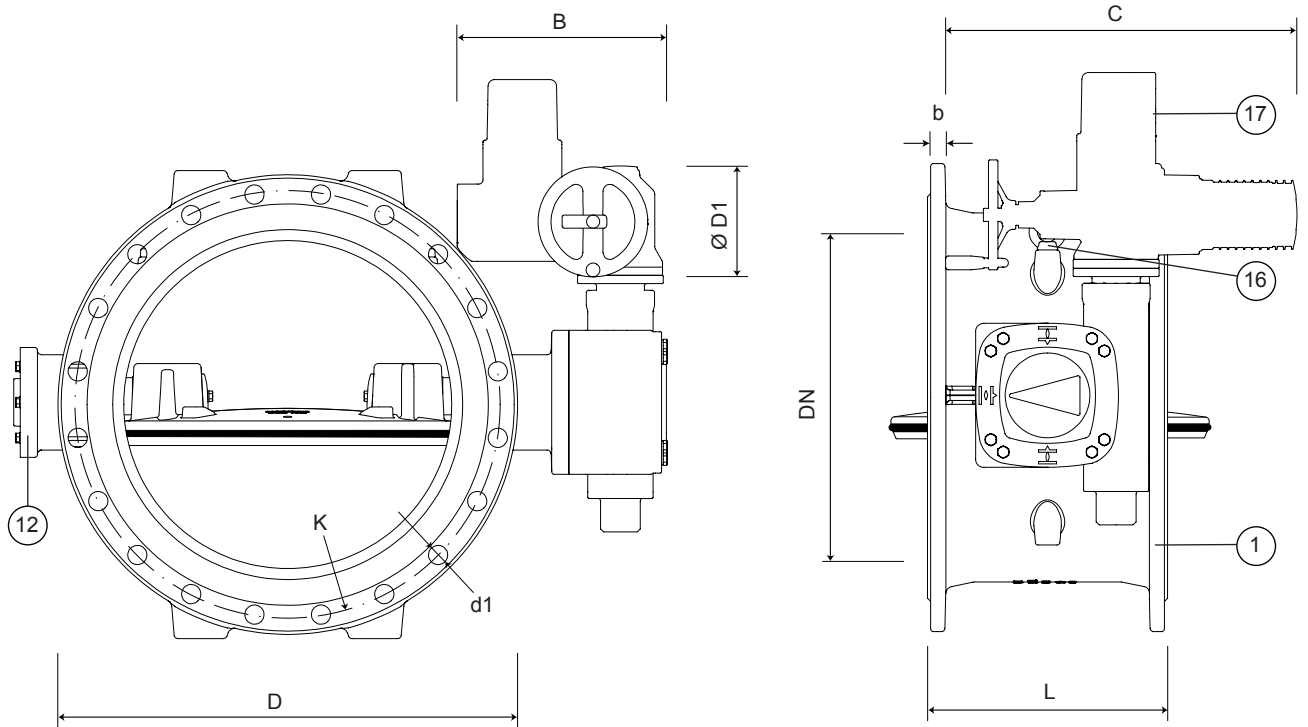
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BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L, gearbox and Auma electric actuator

DN 150 - 1100 PN10/16/25

04.102A



Seal detail with body seat in stainless steel AISI 316L

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 316L	EN 10088 - 1
3	Shafts bushing	Bronze	EN 1982
4	Body seat	Stainless steel AISI 316L	EN 10088 - 1
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer EPDM	EN 681 - 1
10	Locking ring O-ring	Bronze	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer EPDM	EN 681 - 1
14	Shafts washer	Stainless steel AISI 316L	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	AUMA electric actuator	-	-

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BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L, gearbox and Auma electric actuator

DN 150 - 1100 PN10/16/25

04.102A



continued from previous page

Reference and dimensions

DN	PN	code	D	L	K	n° x d1	b	AUMA atuator	B	C	Ø D1	RPM atuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm		mm	mm	mm			
150	10/16	10783000A	285	210	240	8 x 23	19	SA 7.6	300	514	160	22	35	58
150	25	10770175A	300	210	250	8 x 28	20	SA 7.6	300	514	160	22	35	66
200	10	10783005A	340	230	295	8 x 23	20	SA 7.6	300	514	160	22	35	69
200	16	10783010A	340	230	295	12 x 23	20	SA 7.6	300	514	160	22	35	94
200	25	10770195A	360	230	310	12 x 28	22	SA 7.6	300	514	160	22	35	90
250	10	10783015A	400	250	350	12 x 23	22	SA 7.6	300	514	160	16	48	97
250	16	10783020A	400	250	355	12 x 28	22	SA 7.6	300	514	160	16	48	98
250	25	10770215A	425	250	370	12 x 31	24.5	SA 7.6	300	514	160	16	48	108
300	10	10783025A	455	270	400	12 x 23	24.5	SA 7.6	300	514	160	16	48	115
300	16	10783030A	455	270	410	12 x 28	24.5	SA 7.6	300	514	160	16	48	115
300	25	10770235A	485	270	430	16 x 31	27.5	SA 10.2	313	537	200	16	50	130
350	10	10783035A	505	290	460	16 x 23	24.5	SA 7.6	300	514	160	16	50	150
350	16	10783040A	520	290	470	16 x 28	26.5	SA 10.2	313	537	200	16	50	162
350	25	10770255A	555	290	490	16 x 34	30	SA 10.2	313	537	200	16	50	165
400	10	10783045A	565	310	515	16 x 28	24.5	SA 7.6	300	514	160	16	50	171
400	16	10783050A	580	310	525	16 x 31	28	SA 10.2	313	537	200	16	50	184
400	25	10770275A	620	310	550	16 x 37	32	SA 7.6	300	514	160	32	98	214
450	10	10783055A	615	330	565	20 x 28	25.5	SA 7.6	300	514	160	32	98	226
450	16	10783060A	640	330	585	20 x 31	30	SA 7.6	300	514	160	32	98	248
450	25	10770295A	670	330	600	20 x 37	34.5	SA 7.6	300	514	160	32	98	246
500	10	10783065A	670	350	620	20 x 28	26.5	SA 7.6	300	514	160	32	98	260
500	16	10783070A	715	350	650	20 x 34	31.5	SA 7.6	300	514	160	32	98	285
500	25	10770315A	730	350	660	20 x 37	36.5	SA 10.2	313	537	200	32	98	309
600	10	10783075A	780	390	725	20 x 31	30	SA 7.6	300	514	160	32	98	327
600	16	10783080A	840	390	770	20 x 37	36	SA 10.2	313	537	200	22	142	381
600	25	10770335A	845	390	770	20 x 41	42	SA 10.2	313	537	200	22	142	397
700	10	10783085A	895	430	840	24 x 31	32.5	SA 10.2	313	537	200	22	142	461
700	16	10783090A	910	430	840	24 x 37	39.5	SA 10.2	313	537	200	22	142	513
700	25	10770355A	960	430	875	24 x 44	46.5	SA 10.2	313	537	200	32	207	665
800	10	10783095A	1015	470	950	24 x 34	35	SA 10.2	313	537	200	22	142	583
800	16	10783100A	1025	470	950	24 x 41	43	SA 10.2	313	537	200	32	207	678
800	25	10770375A	1085	470	990	24 x 50	51	SA 10.2	313	537	200	45	288	889
900	10	10783105A	1115	510	1050	28 x 34	37.5	SA 7.6	300	514	160	32	207	782
900	16	10783110A	1125	510	1050	28 x 41	46.5	SA 7.6	300	514	160	45	288	909
900	25	10770395A	1185	510	1090	28 x 50	55.5	SA 10.2	313	537	200	45	288	1017
1000	10	10783115A	1230	550	1160	28 x 37	40	SA 10.2	313	537	200	22	301	972
1000	16	10783120A	1255	550	1170	28 x 44	50	SA 10.2	313	537	200	32	405	1122
1000	25	10770415A	1320	550	1210	28 x 57	60	SA 14.2	377	725	315	22	578	1422
1100	10	10783125A	1340	590	1270	32 x 37	42.5	SA 10.2	313	537	200	32	405	1761
1100	16	10783130A	1355	590	1270	32 x 44	53.5	SA 14.2	377	725	315	22	578	1837



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**Product description**

- Balanced float valve for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

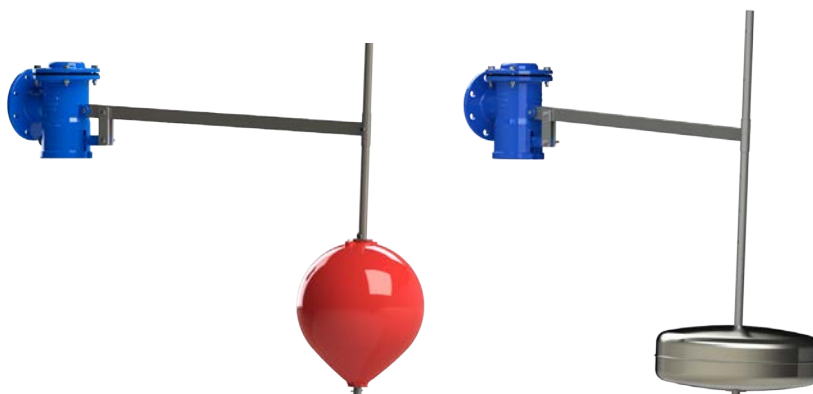
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901 and GSK approved

Features

- Control of the level of closure in reservoirs and storage tanks: for drinking water distribution networks, fire protection networks, irrigation networks or in high-rise buildings
- Body, bonnet and interior components in ductile cast iron (EN-GJS-500-7)
- Balanced float valve available with float in PVC or in stainless steel
- The balanced right-angle design ensures smooth and reliable operation
- Vertical floating position adjustable
- A balanced design of high-resistance diaphragm with direct float and lever action compensates for 90% of the pressure effect on the main valve, with no risk of friction or adhesion
- The slight remaining pressure tending to open the valve 10%, prevents vibrations and dampens the effects of fast operations
- The high gear ratio of the lever control arm results in the device being highly insensitive to oscillations on the water surface
- The device is simple, robust and requires no adjustment.

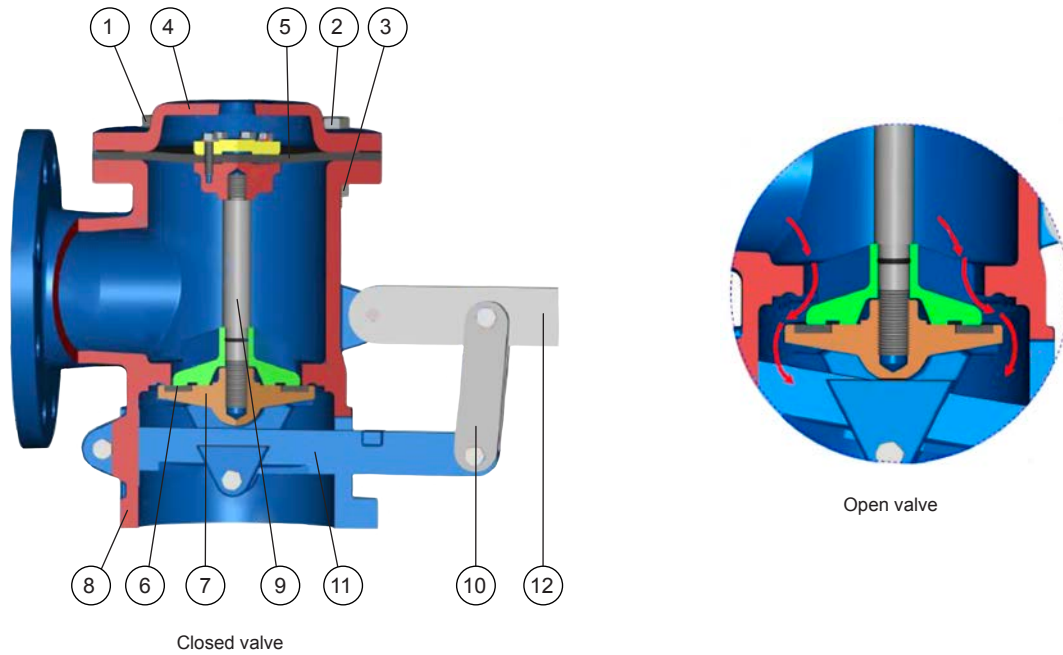


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BALANCED FLOAT VALVE
with lever and float
 DN 40 - 250 PN10/16

04.200

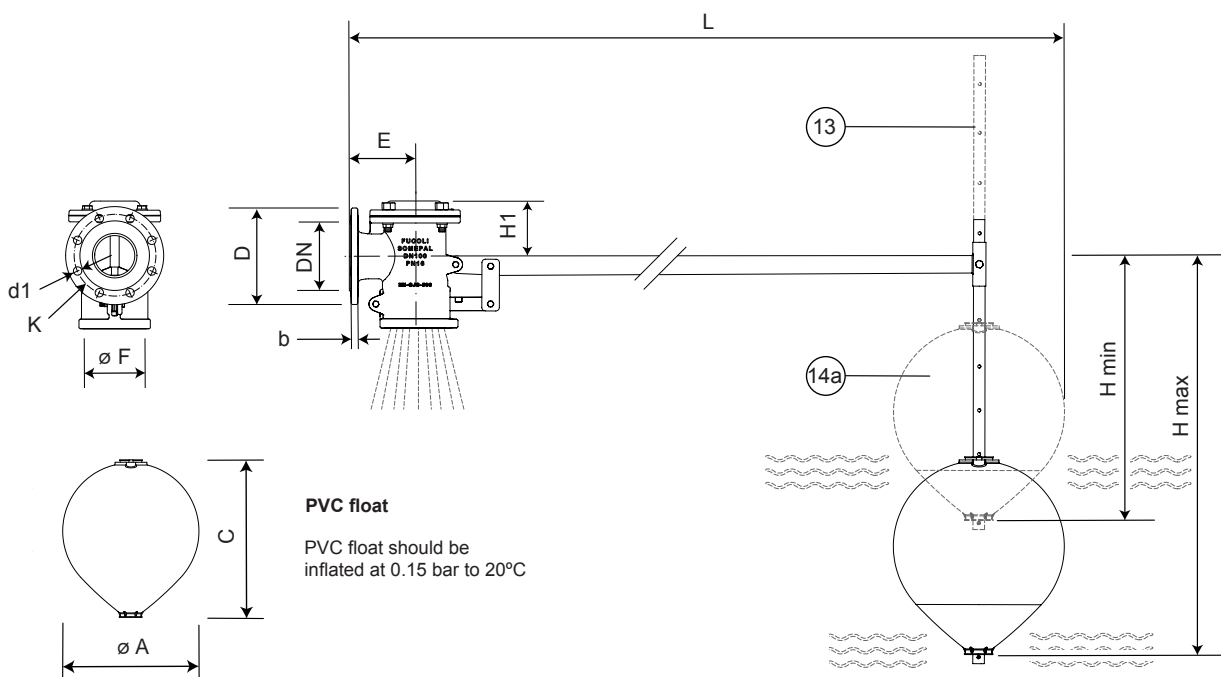


Component list

pos.	components	material	standard
1	Bolts	Stainless steel A2	EN 10088 - 1
2	Washer	Stainless steel A2	EN 10088 - 1
3	Nuts	Stainless steel A2	EN 10088 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Membrane	Elastomer EPDM	EN 681 - 1
6	Sealing ring	Elastomer EPDM	EN 681 - 1
7	Obturator	Ductile iron EN-GJS-500-7	EN 1563
8	Body	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
9	Shaft	Stainless steel AISI 420	EN 10088 - 1
10	Middle bar	Stainless steel AISI 304	EN 10088 - 1
11	Control arm	Ductile iron EN-GJS-500-7	EN 1563
12	Float shaft	Stainless steel AISI 304	EN 10088 - 1
13	Refining arm	Stainless steel AISI 304	EN 10088 - 1
14a	Float	Polyvinyl chloride (PVC)	
14b	Float	Stainless steel AISI 316	EN 10088 - 1

Balanced float valve with lever and PVC float



continued on next page

All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev. 1 2/3

BALANCED FLOAT VALVE with lever and float DN 40 - 250 PN10/16

04.200

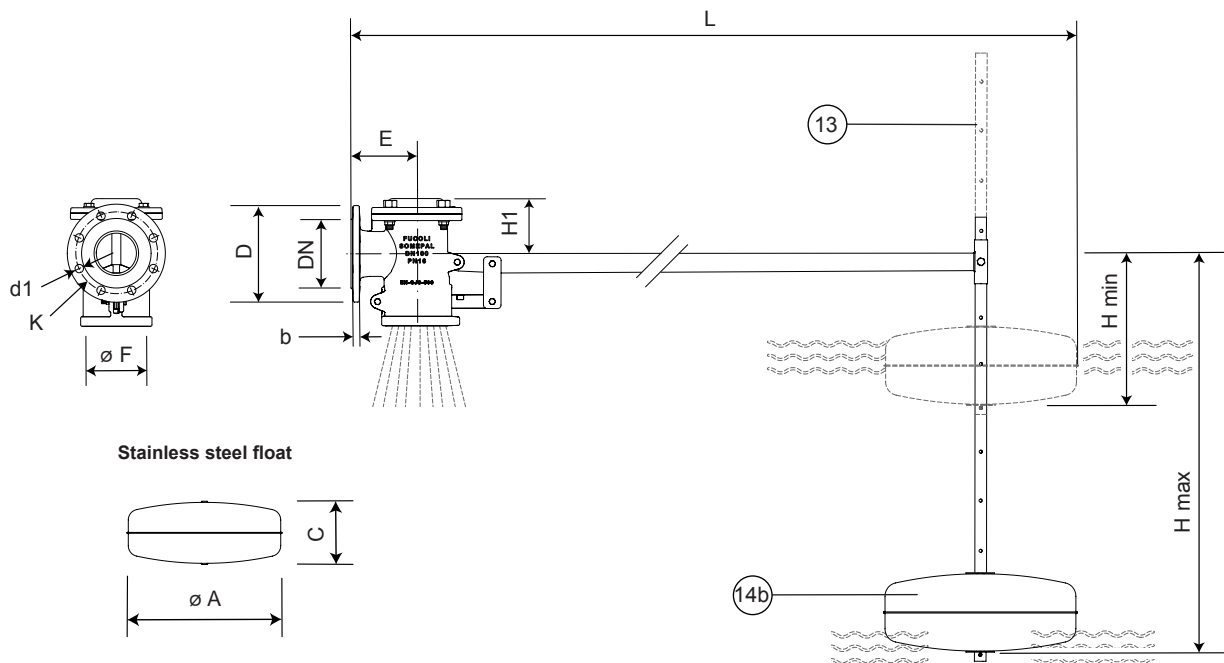


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Reference and dimensions

DN	PN	code	D mm	L mm	E mm	∅ F mm	H min mm	H max mm	H1 mm	K mm	n° x d1 mm	b mm	∅ A mm	C mm	Kg approx.
40	10/16	10767090	165	1410	136	106	575	1120	108	110	4 x 19	19	400	450	19
50	10/16	10767100	165	1410	136	106	575	1120	108	125	4 x 19	19	400	450	19
60	10/16	10767110	175	1410	136	106	575	1120	108	135	4 x 19	19	400	450	20
65	10/16	10767025	185	1410	136	106	575	1120	108	145	4 x 19	19	400	450	20
80	10/16	10767120	200	1635	128	135	585	1130	128	160	8 x 19	19	400	450	27
100	10/16	10767130	220	1635	128	135	585	1130	128	180	8 x 19	19	400	450	28
125	10/16	10767140	250	2215	150	204	595	1140	159	210	8 x 19	19	500	550	48
150	10/16	10767150	285	2215	150	204	595	1140	159	240	8 x 23	19	500	550	48
200	10	10767070	340	2620	184	295	595	1140	204	295	8 x 23	20	500	550	90
200	16	10767160	340	2620	184	295	595	1140	204	295	12 x 23	20	500	550	90
250	10	10767080	400	2620	273	295	595	1140	204	350	12 x 23	22	500	550	97
250	16	10767170	400	2620	273	295	595	1140	204	355	12 x 28	22	500	550	100

Balanced float valve with lever and stainless steel float



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	∅ F mm	H min mm	H max mm	H1 mm	K mm	n° x d1 mm	b mm	∅ A mm	C mm	Kg approx.
40	10/16	10767500	165	1415	136	106	695	1335	108	110	4 x 19	19	409	175	19
50	10/16	10767505	165	1415	136	106	695	1335	108	125	4 x 19	19	409	175	19
60	10/16	10767510	175	1415	136	106	695	1335	108	135	4 x 19	19	409	175	20
65	10/16	10767515	185	1415	136	106	695	1335	108	145	4 x 19	19	409	175	20
80	10/16	10767520	200	1689	128	135	730	1370	128	160	8 x 19	19	508	210	27
100	10/16	10767525	220	1689	128	135	730	1370	128	180	8 x 19	19	508	210	28
125	10/16	10767530	250	2165	150	204	595	1140	159	210	8 x 19	19	400	400	51
150	10/16	10767535	285	2165	150	204	595	1140	159	240	8 x 23	19	400	400	51
200	10	10767540	340	2620	184	295	595	1140	204	295	8 x 23	20	500	400	96
200	16	10767545	340	2620	184	295	595	1140	204	295	12 x 23	20	500	400	96
250	10	10767550	400	2620	273	295	595	1140	204	350	12 x 23	22	500	400	103
250	16	10767555	400	2620	273	295	595	1140	204	355	12 x 28	22	500	400	106



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Product description

- Flap valve series MOON for drinking water, neutral liquids and sea water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve with self-operating flap obturator
- Full bore
- The valve opens under direct pressure to relieve fluid, allowing the water to drain when the pressure is relieved, preventing fluids from returning when the tide rises
- The valve sealing area has an 8° inclination to guarantee automatic closing after the fluid has come out. This inclination allows the obturator to exert sufficient force to prevent the ingress of fluid in the opposite direction.
- Minimum opening pressure is 0.1 bar
- The obturator was sealed to reduce noise and increase the coating's endurance
- Can be installed directly on flanges or previously straightened masonry surfaces by steel anchors prior to being planed
- On request possibility to be supplied with counterweight.



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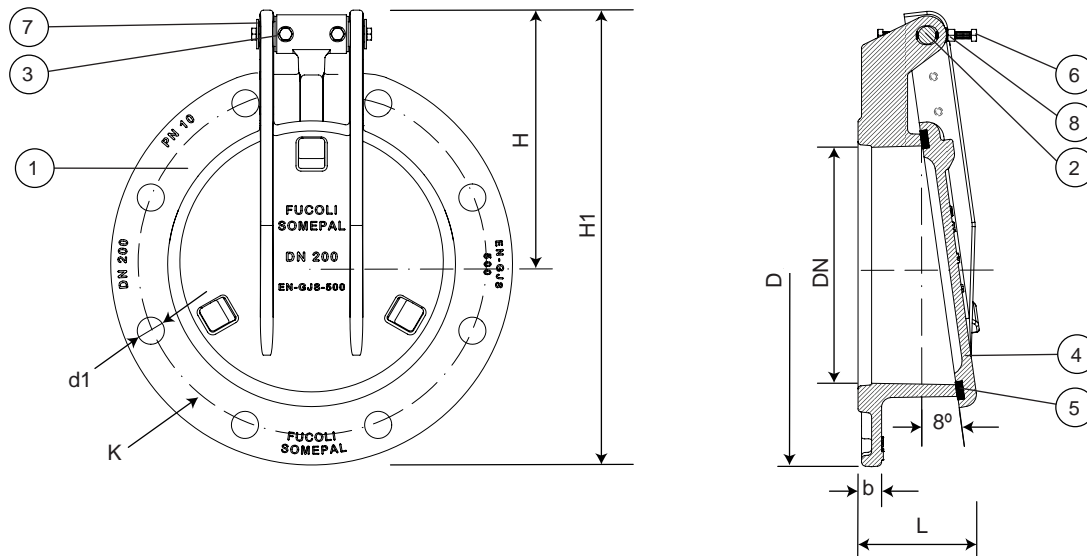
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Flap valve Moon



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Bushing	POM	-
4	Disc/ Obturator	Ductile iron EN-GJS-500-7	EN 1563
5	Sealing	Elastomer NBR	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	Kg
			mm	mm	mm	mm	mm	mm	mm	approx.
50/60/65	10/16	10765490	185	78	133	226	125/145	4 x 19	19	4
80	10/16	10765495	200	80	154	255	160	8 x 19	19	5
100	10/16	10765500	220	80	154	265	180	8 x 19	19	6
150	10/16	10765505	285	95	184	327	240	8 x 23	19	9
200	10	10765510	340	100	215	386	295	8 x 23	20	14
200	16	10765513	340	100	215	386	295	12 x 23	20	14
250	10	10765515	400	115	252	453	350	12 x 23	22	22
250	16	10765518	400	115	252	453	355	12 x 28	22	22
300	10	10765520	455	125	280	508	400	12 x 23	24.5	28
300	16	10765523	455	125	280	508	410	12 x 28	24.5	28
350	10	10765525	520	140	321	582	460	16 x 23	24.5	50
350	16	10765528	520	140	321	582	470	16 x 28	26.5	50
400	10	10765530	580	150	351	642	515	16 x 28	24.5	50
400	16	10765533	580	150	351	642	525	16 x 31	28	50
450	10	10765535	615	155	370	678	565	20 x 28	25.5	56
450	16	10765538	640	155	370	678	585	20 x 31	30	64
500	10	10765540	670	160	400	736	620	20 x 28	26.5	66
500	16	10765543	715	160	400	736	650	20 x 34	31.5	75
600	10	10765545	780	185	460	851	725	20 x 31	30	97
600	16	10765548	840	185	460	851	770	20 x 37	36	117

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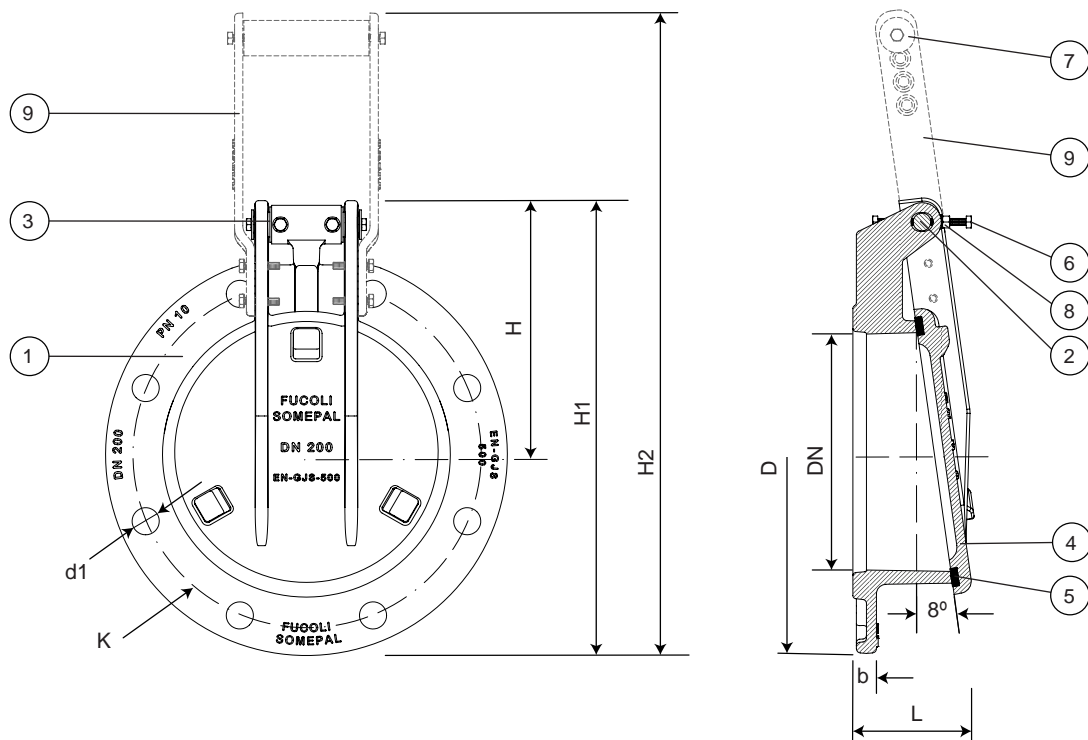


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Reference and dimensions

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	Kg approx.
700	10	10765550	895	210	520	969	840	24 x 31	32.5	130
700	16	10765553	910	210	520	969	840	24 x 37	39.5	150
800	10	10765555	1015	230	582	1091	950	24 x 34	35	180
800	16	10765558	1025	230	582	1091	950	24 x 41	43	200
900	10	10765560	1115	255	646	1210	1050	28 x 34	37.5	200
900	16	10765563	1125	255	646	1210	1050	28 x 41	46.5	250
1000	10/16	10765565	1230/1255	285	712	1340	1160/1170	28 x 37/44	50	295

Flap valve Moon with counterweight



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Bushing	POM	-
4	Disc/ Obturator	Ferro Fundido Dúctil EN-GJS-500-7	EN 1563
5	Sealing	Elastomer NBR	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1
9	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Referências e dimensões

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	Kg approx.
50/60/65	10/16	10765590	185	78	133	226	322	125/145	4 x 19	19	6
80	10/16	10765595	200	80	154	255	348	160	8 x 19	19	7
100	10/16	10765600	220	80	154	265	358	180	8 x 19	19	8
150	10/16	10765605	285	95	184	327	490	240	8 x 23	19	11

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Reference and dimensions

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	Kg approx.
200	10	10765610	340	100	215	386	545	295	8 x 23	20	17
200	16	10765613	340	100	215	386	545	295	12 x 23	20	17
250	10	10765615	400	115	252	453	612	350	12 x 23	22	25
250	16	10765618	400	115	252	453	612	355	12 x 28	22	25
300	10	10765620	455	125	280	508	716	400	12 x 23	24.5	31
300	16	10765623	455	125	280	508	716	410	12 x 28	24.5	31
350	10	10765625	520	140	321	582	786	460	16 x 23	24.5	55
350	16	10765628	520	140	321	582	786	470	16 x 28	26.5	55
400	10	10765630	580	150	351	642	896	515	16 x 28	24.5	55
400	16	10765633	580	150	351	642	896	525	16 x 31	28	55
450	10	10765635	615	155	370	678	974	565	20 x 28	25.5	61
450	16	10765638	640	155	370	678	974	585	20 x 31	30	69
500	10	10765640	670	160	400	736	1036	620	20 x 28	26.5	71
500	16	10765643	715	160	400	736	1036	650	20 x 34	31.5	80
600	10	10765645	780	185	460	851	1176	725	20 x 31	30	102
600	16	10765648	840	185	460	851	1176	770	20 x 37	36	122
700	10	10765650	895	210	520	969	1334	840	24 x 31	32.5	135
700	16	10765653	910	210	520	969	1334	840	24 x 37	39.5	155
800	10	10765655	1015	230	582	1091	1483	950	24 x 34	35	185
800	16	10765658	1025	230	582	1091	1483	950	24 x 41	43	205
900	10	10765660	1115	255	646	1210	1642	1050	28 x 34	37.5	205
900	16	10765663	1125	255	646	1210	1642	1050	28 x 41	46.5	255
1000	10/16	10765665	1230/1255	285	712	1340	1770	1160/1170	28 x 37/44	50	300





Product description

- Penstock valve with non-rising stem with square or round opening for water, rainwater and residual/ waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Lower leakage rate than the maximum allowable in DIN 19569-4 and BS 7775

Corrosion protection

- The surface protected against corrosion applying Primer and then coated with epoxy paint RAL 5005 it with epoxy paint

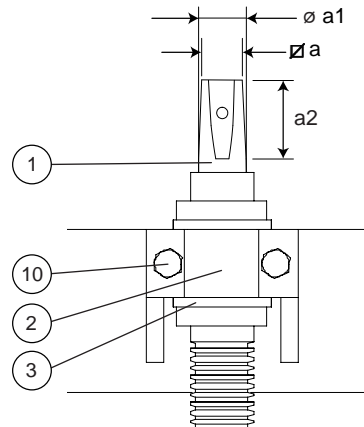
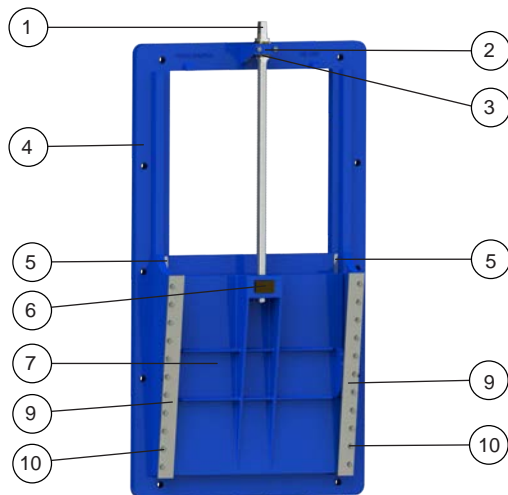
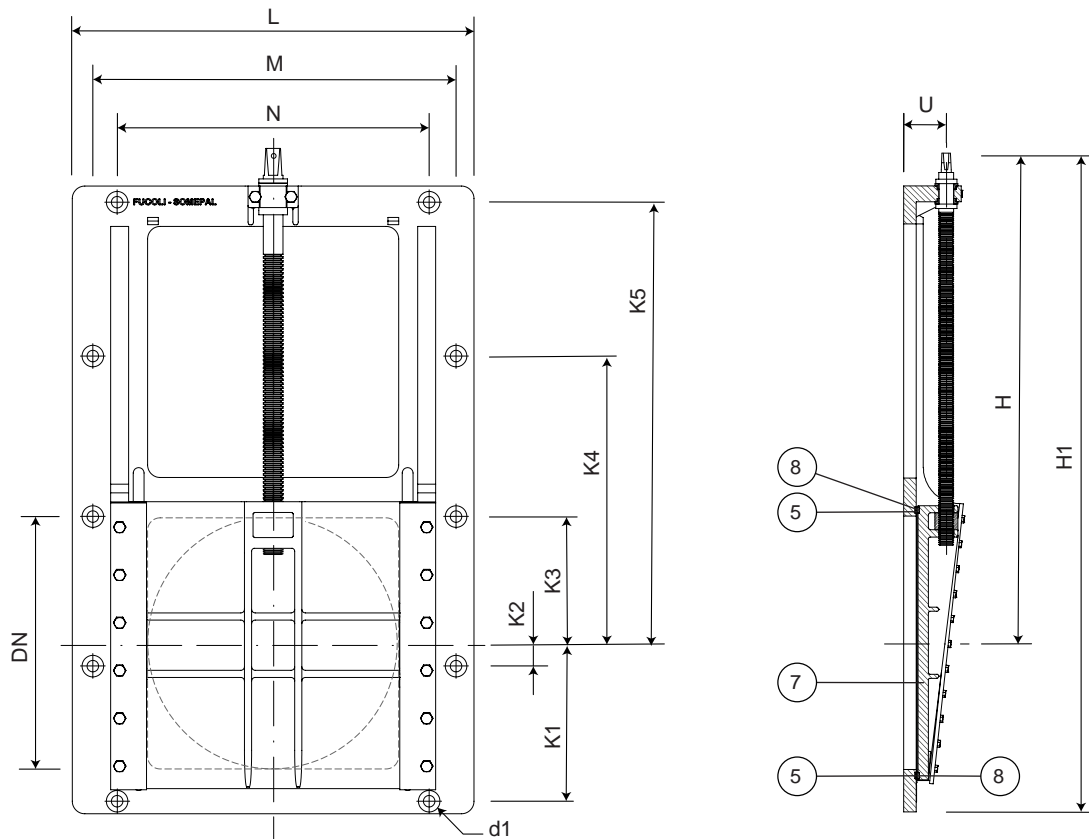
Features

- Isolation valve that provides a robust, quality flow control solution for water, rainwater and residual/ waste water applications
- Application in open air hydraulic installations, such as dams, reservoirs, channels, among others
- Available with square or round opening
- The water sectioning is made through an obturator which moves vertically through a spindle which can be commanded manually, pneumatically or electrically
- Bi-directional valve can be installed in water columns deeper than 10 metres, has a strong and durable design, for effective flow control
- Seat, slides and stem in AISI 304 stainless steel (as an alternative AISI 316L)
- The seals on a penstock valve are specially designed to give the best degree of water tightness, assuming the unit is installed correctly
- Expanding or resin-type anchor bolts are used to secure the penstock valve to the wall
- Accessories: handwheel [ref.05.110], stem cap male or female [ref. 05.210], extension spindle with stem cap and bottom adaptor [ref. 05.310] and headstock [ref. 05.900], electric or pneumatic command.



PENSTOCK VALVE
square or round opening
 DN 100 - 1200

04.400



DN 100 to DN 1200

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 304 (AISI 316L*)	EN 10088 - 1
2	Bearing	Ductile iron EN-GJS-500-7	EN 1563
3	Bearing sleeve	Bronze $CuSn_7Zn_4Pb_7$	EN 1982
4	Body	Ductile iron EN-GJS-500-7	EN 1563
5	Body seat	Stainless steel AISI 304 (AISI 316L*)	EN 10088 - 1
6	Stem nut	Bronze $CuSn_7Zn_4Pb_7$	EN 1982
7	Obturator	Ductile iron EN-GJS-500-7	EN 1563
8	Obturator seat	Stainless steel AISI 304 (AISI 316L*)	EN 10088 - 1
9	Slides	Stainless steel AISI 304	EN 10088 - 1
10	Bolts	Steel zinc plated cl 8.8	ISO 898 - 1

* Penstock valve model AISI 316L

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PENSTOCK VALVE
square or round opening
 DN 100 - 1200

04.400



continued from previous page

Reference and dimensions

Dimensions common to all models

DN	L	H	H1	U	M	N	K1	K2	K3	K4	K5	n° x d1	∅ a	∅ a1	a2	turns to open
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
100	227	309	406	60	-	170	90	-	-	-	230	4 x 18	17.1	22	34	20
150	300	393	548	70	-	230	120	-	-	-	310	4 x 18	19.1	28	38	30
200	350	480	660	75	-	290	150	-	-	-	390	4 x 23	24.1	32	42	33
250	430	582	797	80	-	370	185	-	-	-	485	4 x 23	24.1	32	42	41
300	550	655	890	90	485	410	210	-	175	-	560	6 x 23	27.1	36	47	50
350	600	725	985	90	535	455	230	-	200	-	635	6 x 23	27.1	40	47	44
400	700	835	1126	100	630	520	260	-	235	-	730	6 x 30	32.1	44	55	44
450	750	901	1226	100	680	575	285	-	255	-	810	6 x 30	32.1	44	55	50
500	925	1055	1444	110	834	660	328	-	82	495	902	8 x 30	32.1	50	55	50
600	1000	1195	1615	125	900	760	386	-	103	585	1080	8 x 30	32.1	50	55	60
700	1120	1365	1845	130	1020	870	440	-	115	670	1230	8 x 32	41.1	55	74	64
800	1230	1530	2045	170	1130	970	490	23	445	913	1380	10 x 35	41.1	60	74	66
900	1370	1747	2345	190	1265	1070	555	50	525	1100	1605	10 x 40	41.1	60	74	75
1000	1455	1945	2615	200	1350	1160	600	75	587	1250	1775	10 x 40	46.1	65	80	83
1200	1700	2300	3060	240	1590	1330	720	20	680	1380	2080	10 x 45	46.1	70	80	86

Available models



Seat and stem in stainless steel AISI 304

DN	square aperture	Kg approx.	round aperture	Kg approx.
100	10780020	16	10780490	15
150	10780030	31	10780500	31
200	10780040	40	10780510	41
250	10780050	60	10780520	61
300	10780060	95	10780530	97
350	10780070	123	10780540	125
400	10780080	176	10780550	192
450	10780090	200	10780560	200
500	10780100	340	10780570	348
600	10780110	438	10780580	415
700	10780120	596	10780590	604
800	10780130	830	10780600	889
900	10780140	1350	10780610	1354
1000	10780150	1425	10780620	1490
1200	10780160	1990	10780630	2080

Seat and stem in stainless steel AISI 316L

DN	square aperture	Kg approx.	round aperture	Kg approx.
100	10782020	16	10782490	15
150	10782030	31	10782500	31
200	10782040	40	10782510	41
250	10782050	60	10782520	61
300	10782060	95	10782530	97
350	10782070	123	10782540	125
400	10782080	176	10782550	192
450	10782090	200	10782560	200
500	10782100	340	10782570	348
600	10782110	438	10782580	415
700	10782120	596	10782590	604
800	10782130	830	10782600	889
900	10782140	1350	10782610	1354
1000	10782150	1425	10782620	1490
1200	10782160	1990	10780630	2080



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FLANGED METAL SEATED GATE VALVE S15 with handwheel

DN 40 - 700 PN10/16/25/40

04.500



Product description

- Flanged metal sealing gate valve for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16/25/40
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve and regulates the flow
- Full bore
- Robust conception, with inside stem and handwheel
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Body and wedge seat in bronze seated firmly and machined to obtain a perfect surface finish, ensuring a perfect seal
- Wedge with guides that provides a stable maneuver
- Stem sealing system with 2 O-rings in EPDM, with adjustable gland box
- On request possibility of stem and seats in stainless steel AISI 316L and by-passe;



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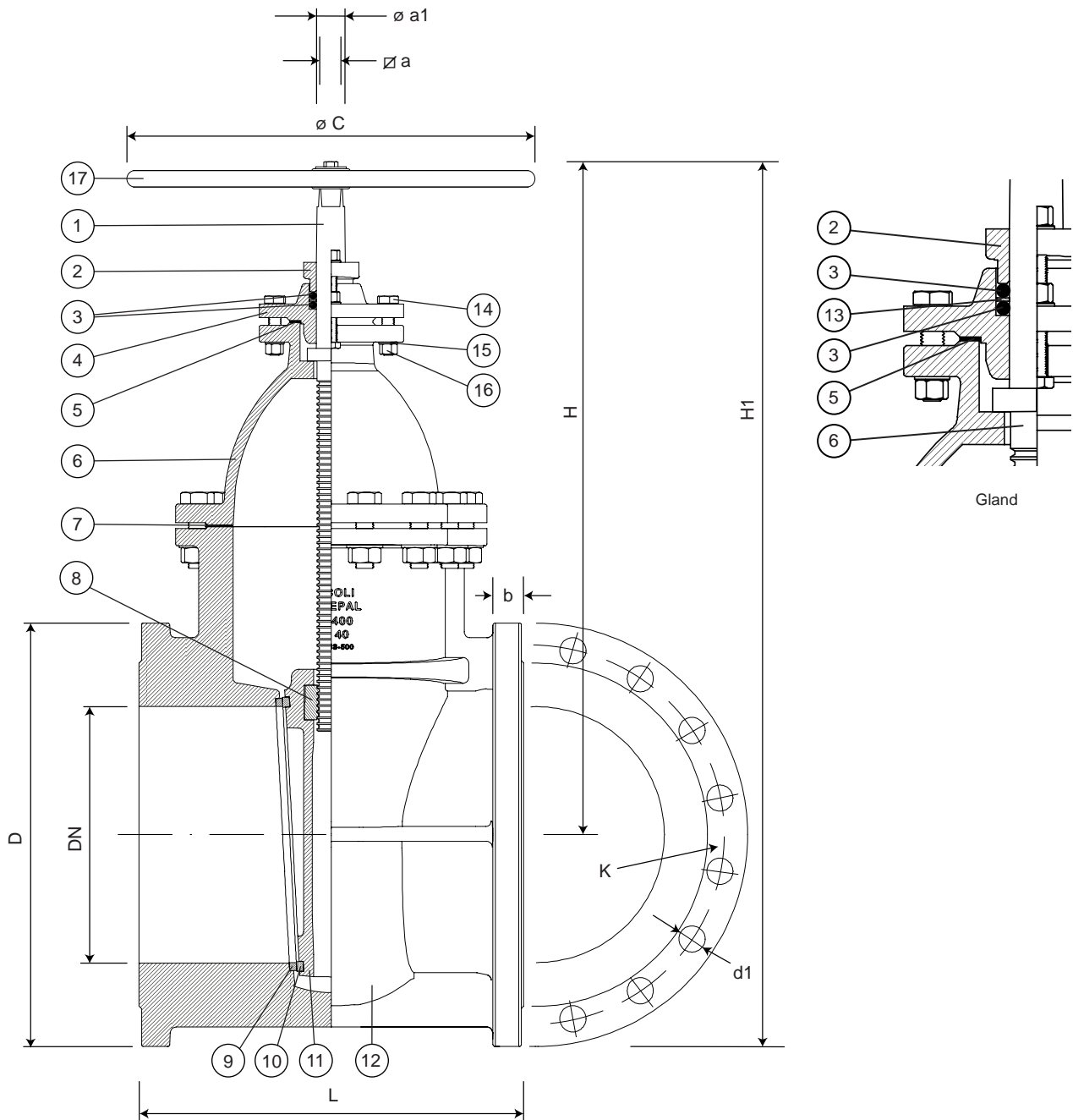
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FLANGED METAL SEATED GATE VALVE S15

with handwheel

DN 40 - 700 PN10/16/25/40

04.500



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Gland	Ductile iron EN-GJS-500-7	EN 1563
3	O-ring	Elastomer EPDM	EN 681 - 1
4	Gland box	Ductile iron EN-GJS-500-7	EN 1563
5	Sealing washer	Cardboard gasket	BS 7531
6	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
7	Bonnet gasket	Cardboard gasket	BS 7531
8	Wedge nut	Bronze	EN 1982
9	Body seat	Bronze	EN 1982

pos.	components	material	standard
10	Wedge seat	Bronze	EN 1982
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Body	Ductile iron EN-GJS-500-7	EN 1563
13	Separating washer	Stainless steel AISI 420	EN 10088 - 1
14	Bolts	Steel zinc plated cl 8.8	ISO 898 - 1
15	Washers	Steel zinc plated	ISO 898 - 2
16	Nuts	Steel zinc plated cl 8.8	ISO 898 - 2
17a	Handwheel (\leq DN 200)	Printed stell ST W24	DIN 10305 - 3
17b	Handwheel ($>$ DN200)	Ductile iron EN-GJS-500-7	EN 1563

continued on next page

FLANGED SOFT SEALING GATE VALVE S15
with handwheel
 DN 40 - 700 PN10/16/25/40

04.500



continued from previous page

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅ a mm	∅ a1 mm	∅ C mm	turns to open	Kg approx.
40	10/16	10720175	150	240	295	370	110	4 x 19	19	14.1	20	150	10	20
40	25	10720200	150	240	295	370	110	4 x 19	19	14.1	20	150	10	20
40	40	10720201	150	240	295	370	110	4 x 19	19	14.1	20	150	10	20
50	10/16	10720176	165	250	295	378	125	4 x 19	19	14.1	24	150	13	23
50	25	10720202	165	250	295	378	125	4 x 19	19	14.1	24	150	13	23
50	40	10720203	165	250	295	378	125	4 x 19	19	14.1	24	150	13	23
60	10/16	10720177	175	270	365	453	135	4 x 19	19	19.1	24	250	13	30
60	25	10720204	175	270	365	453	135	8 x 19	19	19.1	24	250	13	30
60	40	10720205	175	270	365	453	135	8 x 19	19	19.1	24	250	13	30
65	10/16	10720178	185	270	365	458	145	4 x 19	19	19.1	24	250	13	31
65	25	10720206	185	270	365	458	145	8 x 19	19	19.1	24	250	13	31
65	40	10720207	185	270	365	458	145	8 x 19	19	19.1	24	250	13	31
80	10/16	10720179	200	280	385	485	160	8 x 19	19	19.1	24	300	16	37
80	25	10720208	200	280	385	485	160	8 x 19	19	19.1	24	300	16	37
80	40	10720209	200	280	385	485	160	8 x 19	19	19.1	24	300	16	37
100	10/16	10720180	220	300	420	530	180	8 x 19	19	19.1	26	300	20	45
100	25	10720210	235	300	420	538	190	8 x 23	19	19.1	26	300	20	45
100	40	10720211	235	300	420	538	190	8 x 23	19	19.1	26	300	20	45
125	10/16	10720181	250	325	500	625	210	8 x 19	19	19.1	28	300	25	66
125	25	10720212	270	325	500	635	220	8 x 28	19	19.1	28	300	25	66
125	40	10720213	270	325	500	635	220	8 x 28	23.5	19.1	28	300	25	66
150	10/16	10720182	285	350	540	683	240	8 x 23	19	19.1	28	300	30	90
150	25	10720214	300	350	540	690	250	8 x 28	20	19.1	28	300	30	90
150	40	10720215	300	350	540	690	250	8 x 28	26	19.1	28	300	30	90
200	10	10720318	340	400	650	820	295	8 x 23	20	24.1	32	400	34	134
200	16	10720198	340	400	650	820	295	12 x 23	20	24.1	32	400	34	139
200	25	10720218	360	400	650	830	310	12 x 28	22	24.1	32	400	34	134
200	40	10720284	375	400	650	838	320	12 x 31	30	24.1	32	400	34	134
250	10	10720320	400	450	785	985	350	12 x 23	22	27.1	36	500	42	203
250	16	10720199	400	450	785	985	355	12 x 28	22	27.1	36	500	42	250
250	25	10720220	425	450	785	998	370	12 x 31	24.5	27.1	36	500	42	203
250	40	10720285	450	450	785	1010	385	12 x 34	34	27.1	36	500	42	203
300	10	10720183	455	500	850	1078	400	12 x 23	24.5	27.1	36	500	50	256
300	16	10720186	455	500	850	1078	410	12 x 28	24.5	27.1	36	500	50	256
300	25	10720222	485	500	850	1093	430	16 x 31	27.5	27.1	36	500	50	256
300	40	10720286	515	500	850	1108	450	16 x 34	39.5	27.1	36	500	50	282
350	10	10720196	505	550	970	1223	460	16 x 23	24.5	27.1	40	600	50	397
350	16	10720187	520	550	970	1230	470	16 x 28	26.5	27.1	40	600	50	397
350	25	10720224	555	550	970	1248	490	16 x 34	30	27.1	40	600	50	397
350	40	10720302	580	550	970	1260	510	16 x 37	44	27.1	40	600	50	464
400	10	10720326	565	600	1130	1412	515	16 x 28	24.5	32.1	45	800	50	525
400	16	10720188	580	600	1130	1420	525	16 x 31	28	32.1	45	800	50	525
400	25	10720226	620	600	1130	1440	550	16 x 37	32	32.1	45	800	50	525
400	40	10720304	660	600	1130	1460	585	16 x 41	48	32.1	45	800	50	650
450	10	10720328	615	650	1160	1468	565	20 x 28	25.5	32.1	45	800	57	-
450	16	10720189	640	650	1160	1480	585	20 x 31	30	32.1	45	800	57	-
450	25	10720228	670	650	1160	1485	600	20 x 37	34.5	32.1	45	800	57	-
450	40	10720306	685	650	1160	1503	610	20 x 41	49	32.1	45	800	57	-

continued on next page

FLANGED METAL SEATED GATE VALVE S15
with handwheel
 DN 40 - 700 PN10/16/25/40

04.500



continued from previous page

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅ a mm	∅ a1 mm	∅ C mm	turns to open	Kg approx.
500	10	10720333	670	700	1240	1575	620	20 x 28	26.5	32.1	50	800	50	897
500	16	10720335	715	700	1240	1598	650	20 x 34	31.5	32.1	50	800	50	897
500	25	10720230	730	700	1240	1605	660	20 x 37	36.5	32.1	50	800	50	897
500	40	10720308	755	700	1240	1618	670	20 x 44	52	32.1	50	800	50	1025
600	10	10720337	780	800	1420	1810	725	20 x 31	30	41.1	55	1200	60	1309
600	16	10720191	840	800	1420	1840	770	20 x 37	36	41.1	55	1200	60	1309
600	25	10720232	845	800	1420	1843	770	20 x 41	42	41.1	55	1200	60	1309
600	40	10720310	890	800	1420	1865	795	20 x 50	58	41.1	55	1200	60	1455
700	10	10720339	895	900	1610	2058	840	24 x 31	32.5	41.1	55	1200	78	1680
700	16	10720192	910	900	1610	2065	840	24 x 37	39.5	41.1	55	1200	78	1680
700	25	10720234	960	900	1610	2090	875	24 x 44	46.5	41.1	55	1200	78	1680



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prepared for electric actuator

DN 40 - 700 PN10/16/25/40

**Product description**

- Flanged metal sealing gate valve with ISO top flange prepared for electrical actuator for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16/25/40
- Face-to-face according to EN 558 series 15
- ISO top flange according to ISO 5210

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve and regulates the flow
- Full bore
- Robust conception, with inside stem and handwheel
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Body and wedge seat in bronze seated firmly and machined to obtain a perfect surface finish, ensuring a perfect seal
- Wedge with guides that provides a stable maneuver
- Stem sealing system with 2 O-rings in EPDM with adjustable gland box
- ISO top flange according to ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator and bevel gearbox
- On request possibility of stem and seats in stainless steel AISI 316L and by-passe;

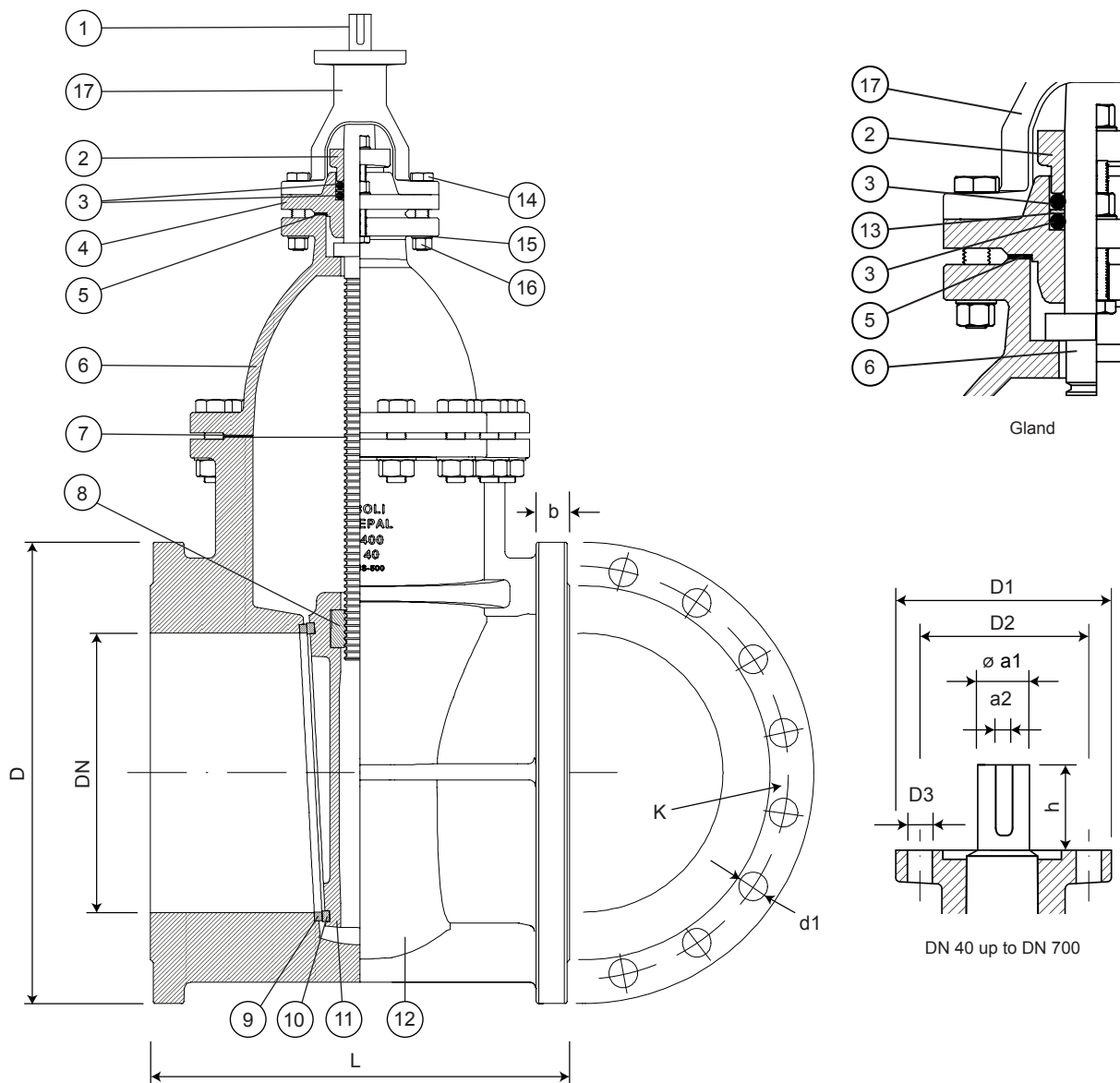


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Gland	Ductile iron EN-GJS-500-7	EN 1563
3	O-ring	Elastomer EPDM	EN 681 - 1
4	Gland box	Ductile iron EN-GJS-500-7	EN 1563
5	Sealing washer	Cardboard gasket	BS 7531
6	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
7	Bonnet gasket	Cardboard gasket	BS 7531
8	Wedge nut	Bronze	EN 1982
9	Body seat	Bronze	EN 1982

pos.	components	material	standard
10	Wedge seat	Bronze	EN 1982
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Body	Ductile iron EN-GJS-500-7	EN 1563
13	Separating washer	Stainless steel AISI 420	EN 10088 - 1
14	Bolts	Steel zinc plated cl 8.8	ISO 898 - 1
15	Washers	Steel zinc plated	ISO 898 - 2
16	Nuts	Steel zinc plated cl 8.8	ISO 898 - 2
17	Headstock	Ductile iron EN-GJS-500-7	EN 1563

continued on next page

FLANGED METAL SEATED GATE VALVE ISO TOP FLANGE S15
 prepared for electric actuator
 DN 40 - 700 PN10/16/25/40

04.501



continued from previous page

Reference and dimensions

DN	PN	code	D mm	L mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	ø a1 mm	a2 mm	h mm	turns to open	Kg approx.
40	10/16	10720175ISO	150	240	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	-
40	25	10720200ISO	150	240	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	-
40	40	10720201ISO	150	240	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	-
50	10/16	10720176ISO	165	250	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	-
50	25	10720202ISO	165	250	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	-
50	40	10720203ISO	165	250	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	-
60	10/16	10720177ISO	175	270	135	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	-
60	25	10720204ISO	175	270	135	8 x 19	19	F10	125	102	4 x 12	20	6	33	13	-
60	40	10720205ISO	175	270	135	8 x 19	19	F10	125	102	4 x 12	20	6	33	13	-
65	10/16	10720178ISO	185	270	145	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	-
65	25	10720206ISO	185	270	145	8 x 19	19	F10	125	102	4 x 12	20	6	33	13	-
65	40	10720207ISO	185	270	145	8 x 19	19	F10	125	102	4 x 12	20	6	33	13	-
80	10/16	10720179ISO	200	280	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	-
80	25	10720208ISO	200	280	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	-
80	40	10720209ISO	200	280	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	-
100	10/16	10720180ISO	220	300	180	8 x 19	19	F10	125	102	4 x 12	20	6	39	20	-
100	25	10720210ISO	235	300	190	8 x 23	19	F10	125	102	4 x 12	20	6	39	20	-
100	40	10720211ISO	235	300	190	8 x 23	19	F10	125	102	4 x 12	20	6	39	20	-
125	10/16	10720181ISO	250	325	210	8 x 19	19	F10	125	102	4 x 12	20	6	39	25	-
125	25	10720212ISO	270	325	220	8 x 28	19	F10	125	102	4 x 12	20	6	39	25	-
125	40	10720213ISO	270	325	220	8 x 28	23.5	F10	125	102	4 x 12	20	6	39	25	-
150	10/16	10720182ISO	285	350	240	8 x 23	19	F10	125	102	4 x 12	20	6	41	30	-
150	25	10720214ISO	300	350	250	8 x 28	20	F10	125	102	4 x 12	20	6	41	30	-
150	40	10720215ISO	300	350	250	8 x 28	26	F10	125	102	4 x 12	20	6	41	30	-
200	10	10720318ISO	340	400	295	8 x 23	20	F10	125	102	4 x 12	20	6	46	34	-
200	16	10720198ISO	340	400	295	12 x 23	20	F10	125	102	4 x 12	20	6	46	34	-
200	25	10720218ISO	360	400	310	12 x 28	22	F10	125	102	4 x 12	20	6	46	34	-
200	40	10720284ISO	375	400	320	12 x 31	30	F10	125	102	4 x 12	20	6	46	34	-
250	10	10720320ISO	400	450	350	12 x 23	22	F10	125	102	4 x 12	20	6	50	42	-
250	16	10720199ISO	400	450	355	12 x 28	22	F10	125	102	4 x 12	20	6	50	42	-
250	25	10720220ISO	425	450	370	12 x 31	24.5	F10	125	102	4 x 12	20	6	50	42	-
250	40	10720285ISO	450	450	385	12 x 34	34	F10	125	102	4 x 12	20	6	50	42	-
300	10	10720183ISO	455	500	400	12 x 23	24.5	F14	175	140	4 x 18	30	8	50	50	-
300	16	10720186ISO	455	500	410	12 x 28	24.5	F14	175	140	4 x 18	30	8	50	50	-
300	25	10720222ISO	485	500	430	16 x 31	27.5	F14	175	140	4 x 18	30	8	50	50	-
300	40	10720286ISO	515	500	450	16 x 34	39.5	F14	175	140	4 x 18	30	8	50	50	-
350	10	10720196ISO	505	550	460	16 x 23	24.5	F14	175	140	4 x 18	30	8	65	50	-
350	16	10720187ISO	520	550	470	16 x 28	26.5	F14	175	140	4 x 18	30	8	65	50	-
350	25	10720224ISO	555	550	490	16 x 34	30	F14	175	140	4 x 18	30	8	65	50	-
350	40	10720302ISO	580	550	510	16 x 37	44	F14	175	140	4 x 18	30	8	65	50	-
400	10	10720326ISO	565	600	515	16 x 28	24.5	F14	175	140	4 x 18	30	8	65	50	-
400	16	10720188ISO	580	600	525	16 x 31	28	F14	175	140	4 x 18	30	8	65	50	-
400	25	10720226ISO	620	600	550	16 x 37	32	F14	175	140	4 x 18	30	8	65	50	-
400	40	10720304ISO	660	600	585	16 x 41	48	F14	175	140	4 x 18	30	8	65	50	-
450	10	10720328ISO	615	650	565	20 x 28	25.5	F14	175	140	4 x 18	30	8	65	50	-
450	16	10720189ISO	640	650	585	20 x 31	30	F14	175	140	4 x 18	30	8	65	50	-
450	25	10720228ISO	670	650	600	20 x 37	34.5	F14	175	140	4 x 18	30	8	65	50	-
450	40	10720306ISO	685	650	610	20 x 41	49	F14	175	140	4 x 18	30	8	65	50	-

continued on next page

FLANGED METAL SEATED GATE VALVE ISO TOP FLANGE S15

prepared for electric actuator
DN 40 - 700 PN10/16/25/40

04.501



continued from previous page

Reference and dimensions

DN	PN	code	D mm	L mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	ø a1 mm	a2 mm	h mm	turns to open	Kg approx.
500	10	10720333ISO	670	700	620	20 x 28	26.5	F14	175	140	4 x 18	30	8	65	50	-
500	16	10720335ISO	715	700	650	20 x 34	31.5	F14	175	140	4 x 18	30	8	65	50	-
500	25	10720230ISO	730	700	660	20 x 37	36.5	F14	175	140	4 x 18	30	8	65	50	-
500	40	10720308ISO	755	700	670	20 x 44	52	F14	175	140	4 x 18	30	8	65	50	-
600	10	10720337ISO	780	800	725	20 x 31	30	F16	210	165	4 x 22	40	12	80	60	-
600	16	10720191ISO	840	800	770	20 x 37	36	F16	210	165	4 x 22	40	12	80	60	-
600	25	10720232ISO	845	800	770	20 x 41	42	F16	210	165	4 x 22	40	12	80	60	-
600	40	10720310ISO	890	800	795	20 x 50	58	F16	210	165	4 x 22	40	12	80	60	-
700	10	10720339ISO	895	900	840	24 x 31	32.5	F16	210	165	4 x 22	40	12	80	78	-
700	16	10720192ISO	910	900	840	24 x 37	39.5	F16	210	165	4 x 22	40	12	80	78	-
700	25	10720234ISO	960	900	875	24 x 44	46.5	F16	210	165	4 x 22	40	12	80	78	-



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PURIFY STRAINER

Stainless steel AISI 304 mesh, cap and bolts A2

DN 40 - 300 PN10/16

04.601



Product description

- PURIFY strainer with stainless steel mesh for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 1

Tests

All valves are individually hydrostatically factory tested

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK approved

Features

- It contains a stainless steel interior filter, which prevents the passage of solid elements, protecting pipelines and equipments
- Designed to be installed horizontally. Can also be installed in sloping ducts or vertically if the flow is downward
- The water flow direction must coincide with the arrow direction engraved on the strainer body.



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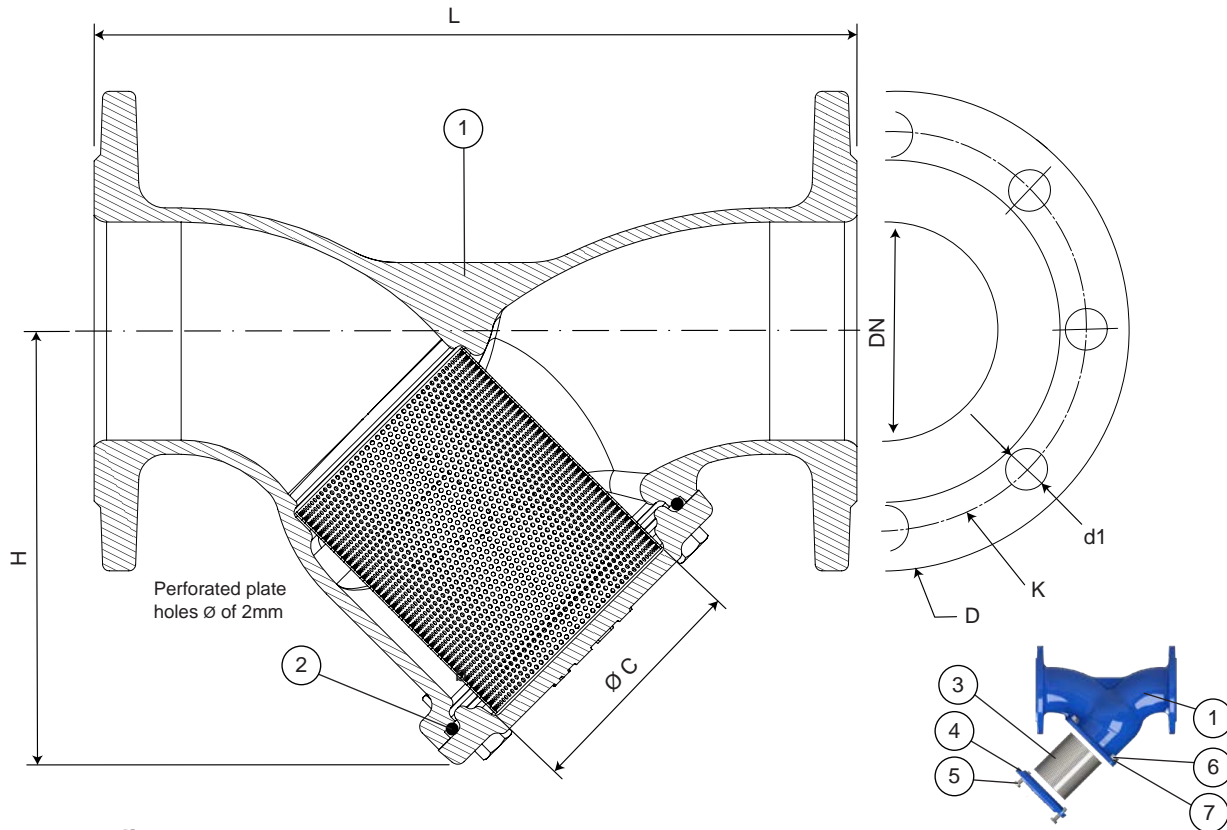
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PURIFY STRAINER

Stainless steel AISI 304 mesh, cap and bolts A2

DN 40 - 300 PN10/16

06.601



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Bonnet gasket	Elastomer EPDM	EN 681 - 1
3	Strainer	Stainless steel AISI 304	EN 10088 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Nuts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN	PN	code	D	L	H	K	n° x d1	b	Ø C	Kg
			mm	mm	mm	mm	mm	mm	mm	approx.
40	10/16	10790505	150	200	-	110	4 x 19	21	-	9
50	10/16	10790510	165	230	162	125	4 x 19	21	58	9
60	10/16	10790515	175	290	169	135	4 x 19	21	73	11
65	10/16	10790520	185	290	169	145	4 x 19	21	73	14
80	10/16	10790525	200	310	192	160	8 x 19	21	88	14
100	10/16	10790530	220	350	199	180	8 x 19	21	108	17
125	10/16	10790535	250	400	244	210	8 x 19	21	135	26
150	10/16	10790540	285	480	274	240	8 x 23	21	160	-
200	10	10790545	340	600	346	295	8 x 23	20	210	59
200	16	10790550	340	600	346	295	12 x 23	20	210	59
250	10	10790555	400	730	-	350	12 x 23	22	-	94
250	16	10790560	400	730	-	355	12 x 28	22	-	94
300	10	10790565	455	850	-	400	12 x 23	24.5	-	131
300	16	10790570	455	850	-	410	12 x 28	24.5	-	131



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100% MADE IN EUROPE

VALVE OF RESERVOIR BOTTOM

3" - 6"

04.700



Product description

- Valve of reservoir bottom for water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve for drinking water
- Body, cannon and obturator in ductile cast iron EN-GJS-500-7
- For installation in water reservoirs
- Easy and simple installation
- Having an intake cannon with a design and length that allows it to be anchored to the reservoir wall
- Outlet with a recessed outer surface to allow easy installation of a hose.



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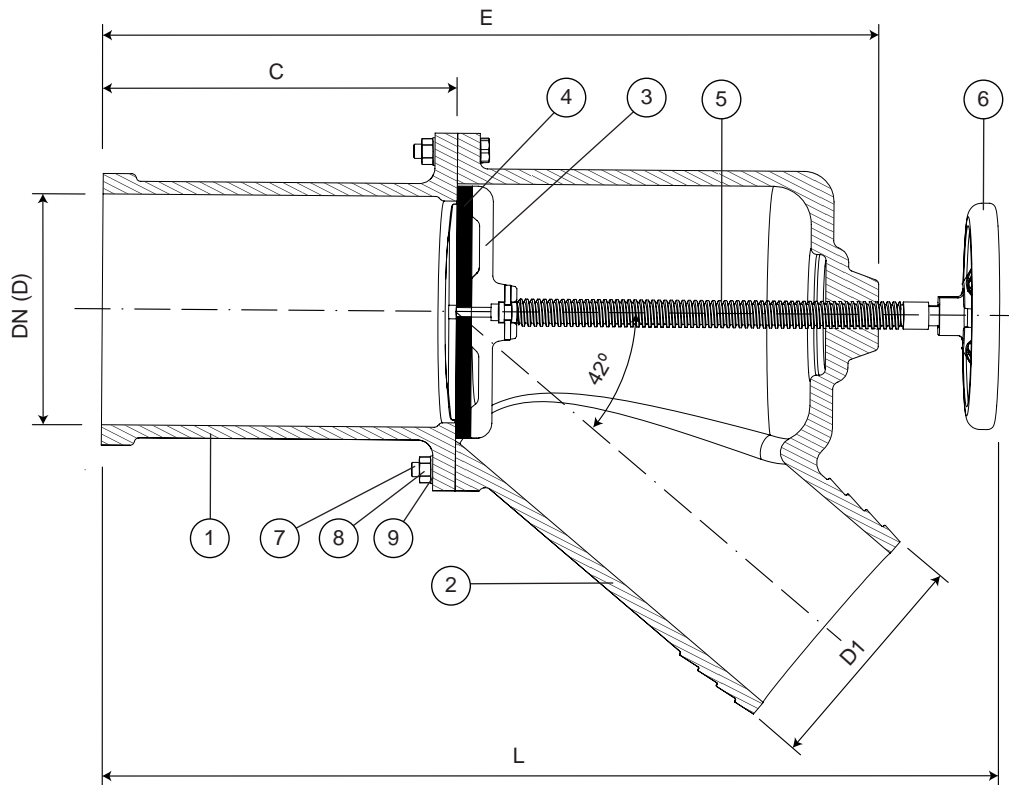
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VALVE OF RESERVOIR BOTTOM

3" - 6"

06.700



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Cannon	Ductile iron EN-GJS-500-7	EN 1563
3	Obturator	Ductile iron EN-GJS-500-7	EN 1563
4	Obturator sealing	Elastomer EPDM	EN 681 - 1
5	Steam	Stainless steel AISI 420	EN 10088 - 1
6	Handwheel	Printed stell ST W24	EN 10111 and 10130
7	Bolts	Steel zinc plated cl 8.8	ISO 898-1
8	Nuts	Steel zinc plated cl 8	ISO 898-2
9	Washers	Steel zinc plated	ISO 898-2

Reference and dimensions

DN (BSP)	(D) mm	code	D1 mm	C mm	E mm	L		Kg approx.
						closed mm A	open mm B	
G 3"	77	10750030	75	200	350	435	510	10
G 50	90	10750035	85	210	380	480	580	14
G 4"	102	10750040	95	210	380	480	575	15
G 65	115	10750045	100	225	435	550	685	18
G 5"	128	10750050	110	210	435	555	690	22
G 6"	153	10750060	130	235	475	580	740	29



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HANDWHEEL for soft sealing gate valve DN 20 - 600

05.100



Product description

- Handwheel for soft sealing gate valve

Features

- Handwheel in printed steel for DN 20 (¾") to DN 200 soft sealing valve with black polyester coating
- Handwheel in ductile cast iron (EN-GJS-500-7) for DN 250 to DN 600 soft sealing valve, coated with black synthetic enamel paint
- Consult our technical services for other dimension.



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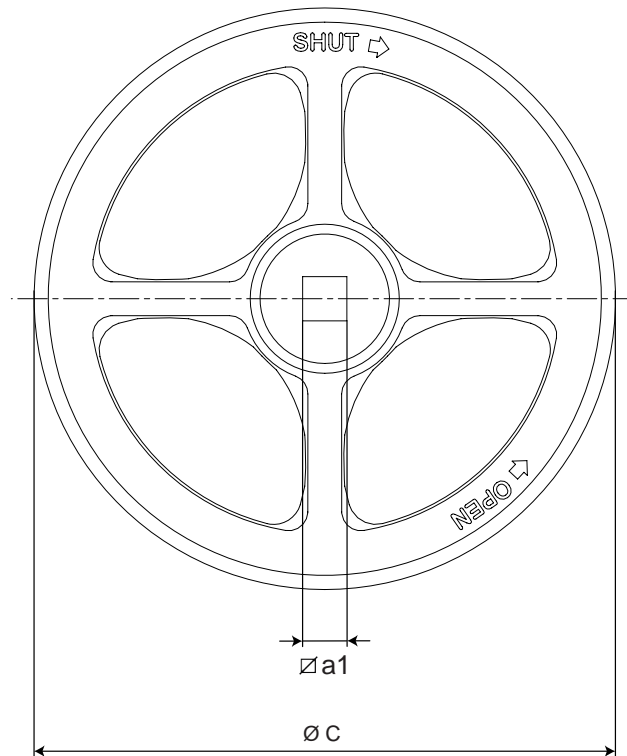
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HANDWHEEL
for soft sealing gate valve
 DN 20 - 600

05.100



Component list

pos.	components	material	standard
a	Handwheel	Printed stell ST W24	EN 10111 and 10130
b	Handwheel	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

pos.	DN	code	Ø C mm	Ø a1 mm	Kg approx.
a	20 (¾") / 25 (1") / 32 (1 ¼") / 40 (1 ½") / 50 (2") / 40 / 50	10709511	150	14	0.5
a	60 / 65 / 80	10709520	200	17	1
a	100	10709525	250	19	2
a	125 / 150	10709531	300	19	2
a	200	10709540	400	24	4
b	250	10709440	500	27	9
b	300	10709535	600	27	13
b	350 / 400	10709545	800	32	23
b	450 / 500	10709490	1000	32	29
b	600	10709515	1200	41	42



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100% MADE IN EUROPE

HANDWHEEL for penstock valve DN 100 - 1200

05.110



Product description

- Handwheel for penstock valve

Features

- Handwheel in printed steel form DN 100 to DN 250 penstock valve with black polyester coating
- Handwheel in ductile cast iron (EN-GJS-500-7) form DN 300 to DN 1200 penstock valves, coated with black synthetic enamel paint
- Consult our technical services for other dimension.



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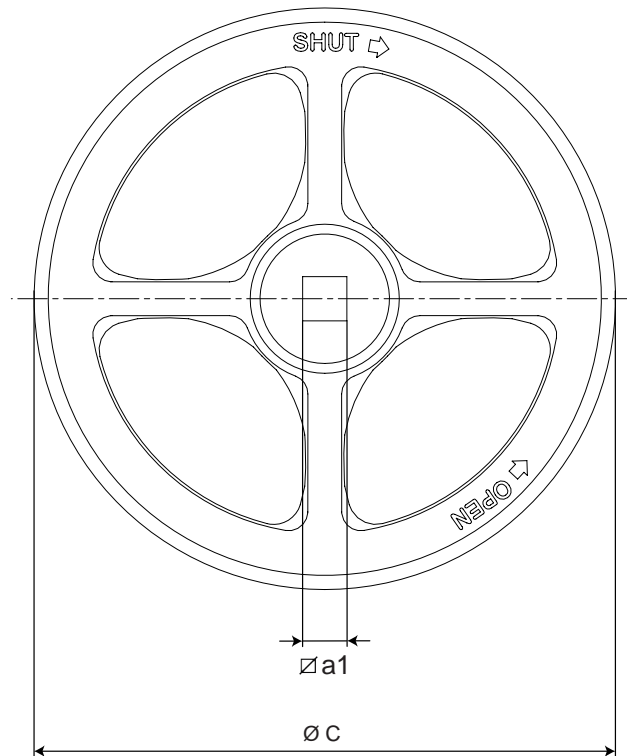
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**HANDWHEEL
for penstock valve
DN 100 - 1200**

05.110



Component list

pos.	components	material	standard
a	Handwheel	Printed stell ST W24	EN 10111 and 10130
b	Handwheel	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

pos.	DN	code	Ø C mm	Ø a1 mm	Kg approx.
a	100	10709520	200	17	1
a	150	10709531	300	19	2
a	200	10709540	400	24	4
a	250	10709540	400	24	4
b	300	10709440	500	27	9
b	350	10709440	500	27	9
b	400	10709450	500	32	10
b	450	10709450	500	32	10
b	500	10709450	500	32	10
b	600	10709450	500	32	10
b	700	10709480	720	41	27
b	800	10709480	720	41	27
b	900	10709480	720	41	27
b	1000	10709485	720	46	26



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STEM CAP
for soft sealing gate valve
DN 20 - 500

05.200



Product description

- Stem cap for soft sealing gate valve

Features

- Stem cap in ductile iron (EN-GJS-500-7) with epoxy paint coating for soft sealing gate valve
- Consult our technical services for other dimension.



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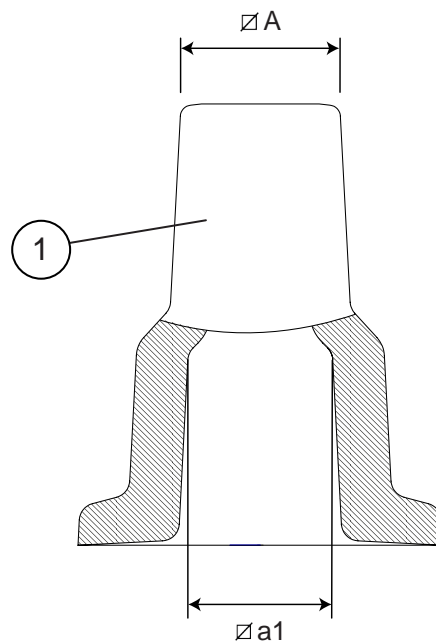
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STEM CAP
for soft sealing gate valve
DN 20 - 500

05.200



Component list

pos.	components	material	standard
1	Stem cap	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	code	Ø A mm	Ø a1 mm	Kg approx.
20 (3/4") / 25 (1") / 32 (1 1/4") / 40 (1 1/2") / 50 (2")	10707410	27	13	0.2
40 / 50 / 63	10707411	27	14	0.2
60 / 65 / 75 / 80 / 90	10707412	27	17	0.2
100 / 110 / 125 / 140 / 150 / 160	10707413	27	19	0.2
200	10707414	27	24	1
250 / 300 / 315	10707415	27	27	1
350 / 400 / 450 / 500	10707416	27	32	1
600	10707417	27	41	1.7



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STEM CAP MALE OR FEMALE
for penstock valve
DN 100 - 1200

05.210

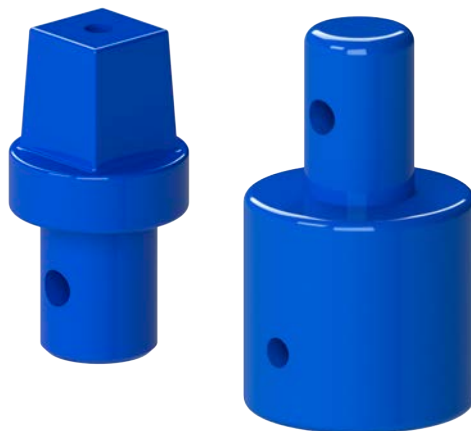


Product description

- Stem cap male or female for penstock valve

Features

- Stems caps in ductile iron (EN-GJS-500-7) with epoxy paint coating for penstock valve
- Available two models: male and female
- Consult our technical services for other dimension.



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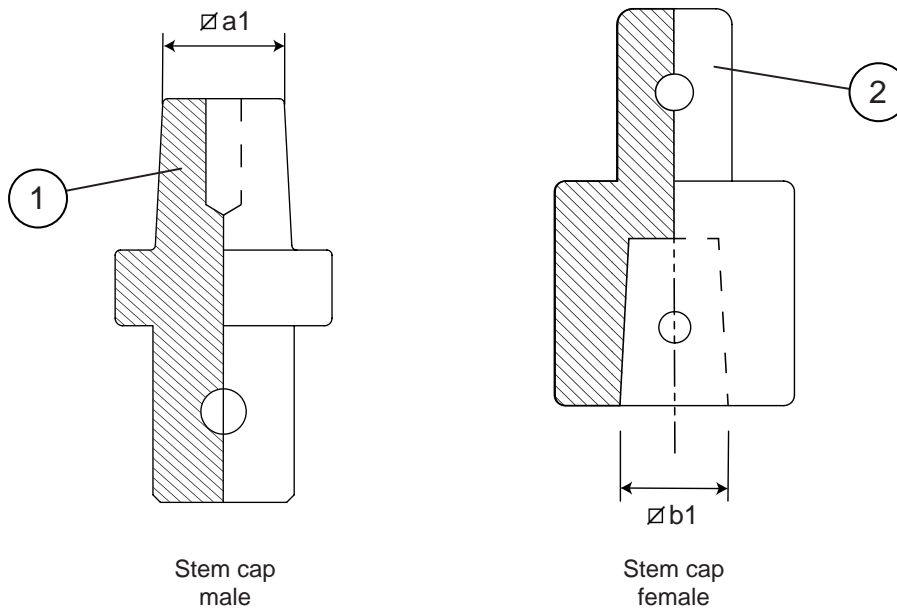
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STEM CAP MALE OR FEMALE
for penstock valve
 DN 100 - 1200

05.210



Component list

pos.	components	material	standard
1	Stem cap male	Ductile iron EN-GJS-500-7	EN 1563
2	Stem cap female	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	code stem cap male	Ø a1 mm	Kg approx.	code stem cap female	Ø a1 mm	Kg approx.
100	10707410	19	0.3	10708100	17	1
150	10707100	19	1	10708120	19	1
200	10707200	24	1	10708200	24	1
250	10707200	24	1	10708200	24	1
300	10707205	27	2	10708205	27	2
350	10707205	27	2	10708205	27	2
400	10707250	32	3	10708210	32	4
450	10707250	32	3	10708210	32	4
500	10707250	32	3	10708210	32	4
600	10707270	32	3	10708210	32	4
700	10707304	41	8	10707228	41	8
800	10707304	41	8	10707228	41	8
900	10707304	41	8	10707228	41	8
1000	10707305	46	9	10707240	46	9



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100% MADE IN EUROPE

EXTENSION SPINDLE
for soft sealing gate valve
DN 20 - 600

05.300



Product description

- Extension spindle for soft sealing gate valve

Features

- Extension spindle is fixed to the valve through a split stainless steel
- All extension spindle are equipped with a 27 stem cap, allowing all soft sealing gate valves to be maneuvered using a single key adapter fits most standard T-keys, regardless of the diameter
- Stems caps and bottom adaptor in ductile iron (EN-GJS-500-7) with epoxy paint coating
- The bottom cover protects the valve spindle from sand and dirt and enables it to rotate freely
- Available with 650mm or 1000mm height, for other dimensions consult our technical services.



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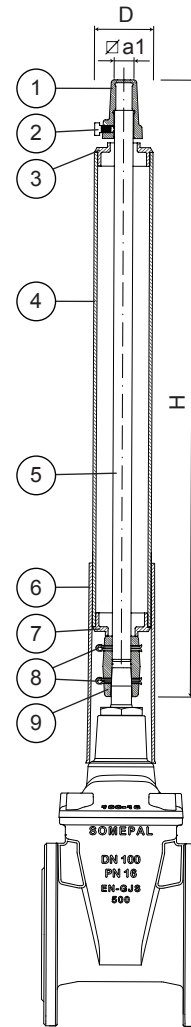
EXTENSION SPINDLE
for soft sealing gate valve
 DN 20 - 600

05.300



Component list

pos.	components	material	standard
1	Spindle cap	Ductile iron EN-GJS-500-7	EN 1563
2	Bolt	Steel zinc plated cl. 8.8	DIN 933
3	Top cover	PP	-
4	Protection tube	PP	-
5	Square bar	Zinc coated steel ST 37	EN 10025
6	Bottom connector	PP	-
7	Bottom cover	PP	-
8	Split	Stainless steel A2	EN 10088-1
9	Bottom adaptor	Ductile iron EN-GJS-500-7	EN 1563



DN	code	H	D	Ø a1	Kg approx.
20 (¾") / 25 (1") / 32 (1 ¼") / 40 (1 ½") / 50 (2")	10703270	650	63	27	2
20 (¾") / 25 (1") / 32 (1 ¼") / 40 (1 ½") / 50 (2")	10703360	1000	63	27	3
40 / 50 / 63	10703252	650	63	27	2
40 / 50 / 63	10703365	1000	63	27	3
60 / 65 / 75 / 80 / 90	10703254	650	63	27	2
60 / 65 / 75 / 80 / 90	10703370	1000	63	27	3
100 / 110	10703258	650	63	27	3
100 / 110	10703375	1000	63	27	4
125 / 140 / 150 / 160	10703262	650	63	27	3
125 / 140 / 150 / 160	10703380	1000	63	27	5
200	10703264	650	63	27	5
200	10703385	1000	63	27	7
250 / 300 / 315	10703266	650	63	27	5
250 / 300 / 315	10703390	1000	63	27	7
350 / 400 / 450 / 500	10703275	650	63	27	6
350 / 400 / 450 / 500	10703395	1000	63	27	10
600	10703278	650	63	27	6
600	10703396	1000	63	27	10



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EXTENSION SPINDLE AND GUIDE

for penstock valve

DN 100 - 1200

05.310



Products description

- Extension spindle for penstock valve
- Extension spindle guide for penstock valve

Features

- Extension spindle is fixed to the valve through a split stainless steel
- Stems caps in ductile iron (EN-GJS-500-7) with epoxy paint coating
- Extension spindle height according to customer request
- Guide in steel to guide extension spindle
- You should apply an extension spindle guide every three meters in height extension spindle.



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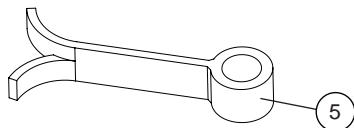
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EXTENSION SPINDLE AND GUIDE

for penstock valve

DN 100 - 1200

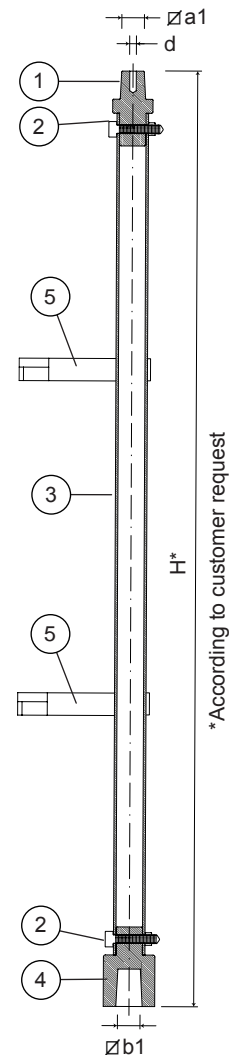
05.310



You should apply an extension spindle guide every 3 meters in height extension spindle

Component list

pos.	components	material	standard
1	Stem cap male	Ductile iron EN-GJS-500-7	EN 1563
2	Bolt	Steel zinc plated cl. 8.8	DIN 933
3	Square bar	Zinc coated steel ST 37	EN 10025
4	Stem cap female	Ductile iron EN-GJS-500-7	EN 1563
5	Extension spindle guide	Steel	-



*According to customer request

Reference and dimensions

DN	code extension spindle	5 code guide	$\varnothing a1$ mm	d mm	$\varnothing b1$ mm
100	10705306	10704235	19	M8	17
150	10705310	10704240	19	M8	19
200	10705314	10704245	24	M10	24
250	10705316	10704247	24	M10	24
300	10705318	10704250	27	M10	27
350	10705320	10704255	27	M12	27
400	10705322	10704260	32	M12	32
450	10705324	10704265	32	M12	32
500	10705326	10704275	32	M16	32
600	10705328	10704280	32	M16	32
700	10705330	10704285	41	M16	41
800	10705332	10704290	41	M16	41
900	10705334	10704295	41	M20	41
1000	10705338	10704300	46	M20	46



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EXTRACTORS for dismantling PE pipes DN 25 - 50

05.400



Product description

- Extractors for dismantling PE pipes

Features

- Allows the extraction of PE pipes in service valves connection and fittings with POM tension ring, in order to relieve the pressure that the tension ring exerts on the PE pipe
- Consult our technical services for other dimension.

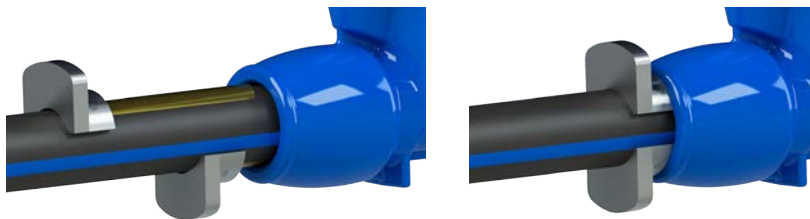
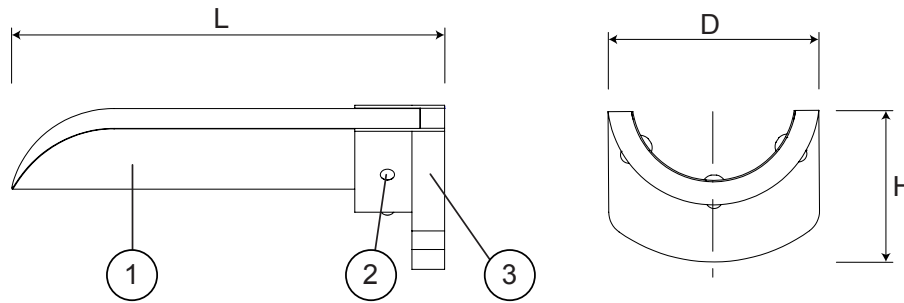


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Extraction for dismantling for PE pipe system

Component list

pos.	components	material	standard
1	Extractor	Steel	C75
2	Blind rivets	Stainless steel A2	EN 10088 - 1
3	Support of the extractor	Aluminium AW 2030	EN 573 - 3

Reference and dimensions

DN	Ø pipe ext. PE	code	nº uni.	L mm	D mm	H mm	Kg approx.
20	25	10720140	2	106	37	30	0.1
25	32	10720141	2	106	44	35	0.1
32	40	10720142	2	106	52	37	0.1
40	50	10720143	2	106	62	47	0.2
50	63	10720144	2	106	75	52	0.2



SURFACE BOX ROUND, TRIANGULAR, SQUARE, HEXAGONAL OR OCTAGONAL

05.500



Product description

- Surface Box available in several models round, triangular, square, hexagonal or octagonal

Features

- Body and cover of ductile iron (EN-GJS-500-7) with water based black painting
- Chain of zinc coated steel (if applicable)
- Base of body with support surface that facilitates the settlement reducing the risks of unevenness
- Cap with tear for easy opening
- On request personalization with logo ou inscription insertion.



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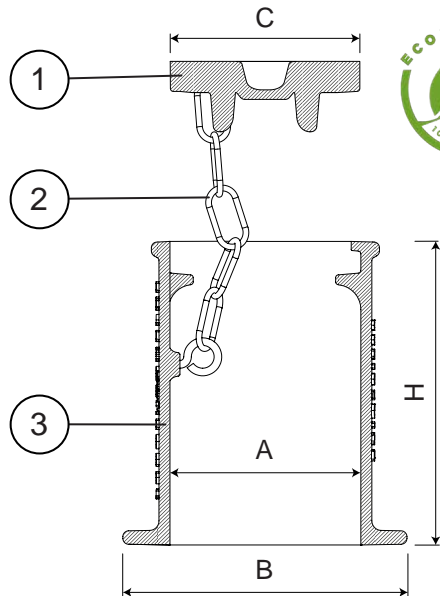
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SURFACE BOX ROUND, TRIANGULAR, SQUARE, HEXAGONAL OR OCTAGONAL

05.500



Round
Epal



Round
Báltico



Triangular
Figueira da Foz



Square
Epal



Hexagonal
Epal



Octagonal
Fucoli

Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Chain	Zinc coated steel	-
3	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

model	type	chain Yes / No	code	H mm	A clear opening mm	B mm	C cover mm	Kg approx.
Round	Epal	N	24B1AJ0PNNBAGZZZ00PA*	160	102	150	89	4
Round	Epal	Y	24B1AJ0PNNBAGZZZ00RA*	160	102	150	89	4
Round	Fucoli	N	24B1AL0FNFBAGZZZ00PA*	165	100	200	110	5
Round	Fucoli	Y	24B1AL0FNFBAGZZZ00RA*	165	100	200	110	5
Round	Coimbra	Y	24B1AL0CNWBAGZZZ00RA*	255	90	160	106	6
Round	Figueira da Foz	Y	24B1AL0ONNBAGZZZ00RA*	165	118	220	106	7
Round	Báltico	N	24B1AN0BNQBZZZZ00PA	190	108	208	123	7
Triangular	Epal	N	24H1AJ0PNNBAGZZZ00PA*	160	102	150	89	4
Triangular	Epal	Y	24H1AJ0PNNBAGZZZ00RA*	160	102	150	89	4
Triangular	Fucoli	N	24H1AL0FNFBAGZZZ00PA*	165	100	200	110	6
Triangular	Fucoli	Y	24H1AL0FNFBAGZZZ00RA*	165	100	200	110	6
Triangular	Figueira da Foz	Y	24H1AL0ONNBAGZZZ00RA*	165	118	220	106	7
Square	Epal	N	24F1AJ0PNNBAGZZZ00PA*	160	102	150	89	4
Square	Epal	Y	24F1AJ0PNNBAGZZZ00RA*	160	102	150	89	4
Square	Fucoli	N	24F1AL0FNFBAGZZZ00PA*	165	100	200	110	6
Square	Fucoli	Y	24F1AL0FNFBAGZZZ00RA*	165	100	200	110	6
Square	Báltico	N	24F1AN0BNQBZZZZ00PA	190	108	180	128	7
Hexagonal	Epal	N	24I1AJ0PNNBAGZZZ00PA*	160	102	150	89	4
Hexagonal	Epal	Y	24I1AJ0PNNBAGZZZ00RA*	160	102	150	89	4
Hexagonal	Epal Grande	Y	24I1AL0PNWBAGEPL00RA**	290	102	281	108	13
Hexagonal	Figueira da Foz	Y	24I1AL0ONNBAGZZZ00RA*	165	118	220	106	7
Octagonal	Fucoli	N	24J1AL0FNFBAGZZZ00PA*	165	100	200	110	6
Octagonal	Fucoli	Y	24J1AL0FNFBAGZZZ00RA*	165	100	200	110	6

* Inscription "ÁGUAS" on the Surface Box cover

** Inscription "ÁGUAS EPAL" on the Surface Box cover



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KEY for gate valve

05.700

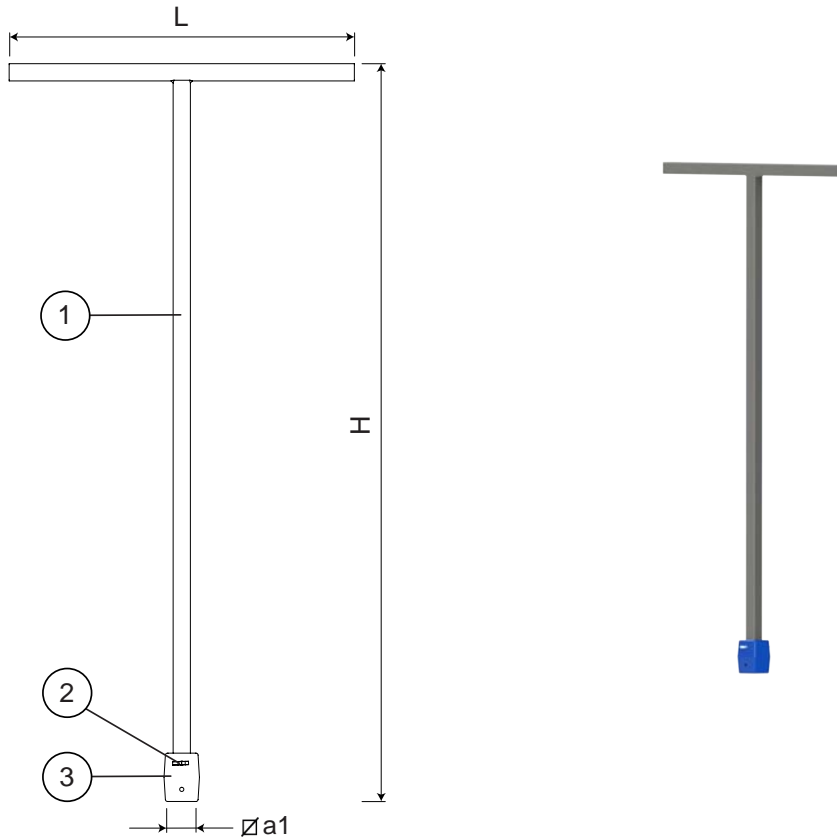


Product description

- Key for gate valve to drinking water, neutral liquids, wastewater and gas distribution
- Bottom adaptor in ductile iron (EN-GJS-500-7) with epoxy paint coating

Note

- In order to use the key for gate valve correctly, the valve must have installed the stem cap [ref. 05.200].



Component list

pos.	components	material	standard
1	Key for gate valve	Steel	EN 10025
2	Split	Stainless steel A2	EN 10088-1
3	Bottom adaptor	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

code	L	H	$\varnothing a1$	Kg
	mm	mm	mm	approx.
10701005	500	1069	27	3



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KEY
for bola swing check valve
 DN 32 - 400

05.800

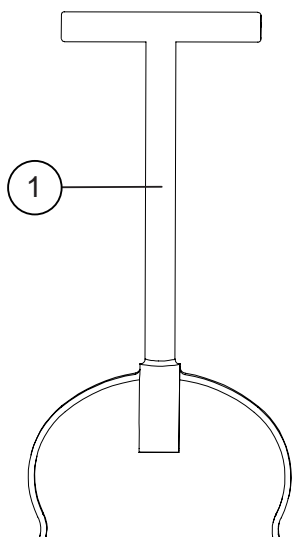


Product description

- Key for ball extraction for ball check valve series BOLA to drinking water, neutral liquids or wastewater

Feature

- Designed to operate for swing check valves series BOLA of Fucoli-Somepal
- It allows in a simple and quick way to perform maintenance and cleaning actions of the ball check valve, without the need to remove the valve from the duct.



Removal of the ball

Component list

pos.	components	material	standard
1	Key for ball extraction	Stainless steel AISI 304	EN10088-1

Reference and dimensions

DN	code	DN	code
32 (1 ¼")	10763744	100	10763794
40 (1 ½")	10763744	125	10763804
50 (2")	10763754	150	10763814
40	10763744	200	10763824
50	10763754	250	10763734
60	10763764	300	10763844
65	10763764	350	10763854
80	10763784	400	10763864



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**Product description**

- Headstock for an ergonomic maneuvering above ground of buried valves, installed in manholes or maneuver chambers

Feature

- Body and lid of ductile iron with water based black painting
- Base of body with support surface that facilitates the settlement reducing the risks of unevenness to the pavement
- Concentric and angle headstock for a manual operation
- Concentric headstock with ISO flange (ISO 5210) that allows the installation of an electric actuator or gearbox.



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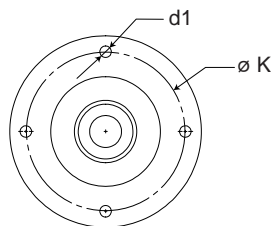
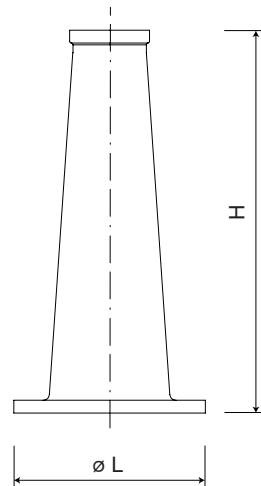
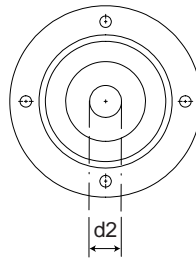
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Concentric headstock



Component list

components	material	standard
Headstock	Ductile iron EN-GJS-500-7	EN 1563

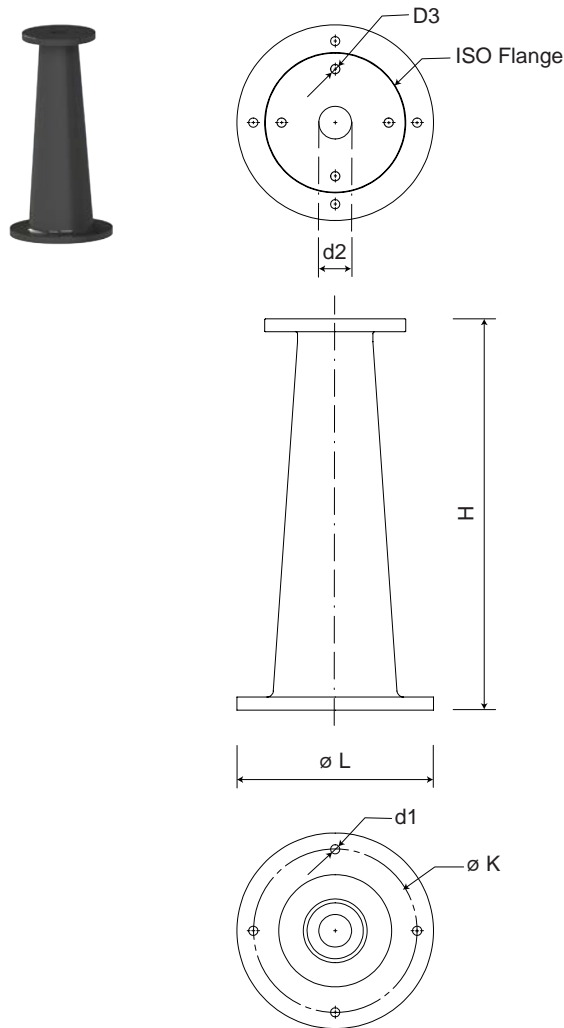
Reference and dimensions

DN	code	ø L mm	H mm	ø d2 mm	ø K mm	n° x d1 mm	Kg approx.
100 - 250	10711030	300	600	34	250	4 x 18	23
300 - 350	10711034	300	600	43	250	4 x 18	23
400 - 600	10711038	300	600	49	250	4 x 18	23
700 - 1000	10711042	300	600	61	250	4 x 18	23



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Concentric headstock with ISO flange



Component list

components	material	standard
Headstock	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

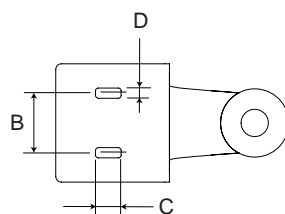
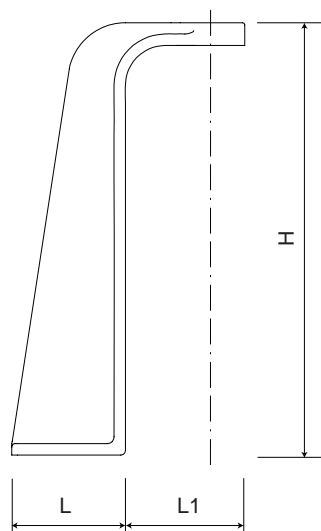
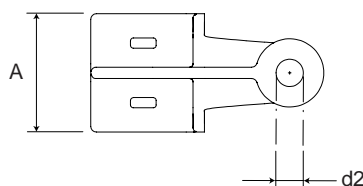
DN	code	ISO 5210 flange	ø L mm	H mm	ø d2 mm	n° x D3 mm	ø K mm	n° x d1 mm	Kg approx.
100 - 250	10711019	F10	300	600	34	4 x 12	250	4 x 18	25
300 - 400	10711021	F14	300	600	43	4 x 18	250	4 x 18	25
450 - 600	10711022	F16	300	600	49	4 x 22	250	4 x 18	25
700 - 800	10711023	F25	300	600	61	8 x 18	250	4 x 18	25
900 - 1000	10711024	F30	300	600	61	8 x 22	250	4 x 18	25

continued on next page



continued from previous page

Angle headstock



Component list

components	material	standard
Headstock	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	code	L mm	L1 mm	H mm	∅ d2 mm	A mm	B mm	D mm	C mm	Kg approx.
100 - 250	1071101601	200	150	600	34	200	105	18	45	29
300 - 350	1071101602	200	150	600	43	200	105	18	45	29
400 - 600	1071101606	200	150	600	49	200	105	18	45	29
700 - 1000	1071101610	200	150	600	61	200	105	18	45	29



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series WIND

DN 20 - 100 PN10/16

**Product description**

- Single function air valve WIND for drinking water, prepared for water supply in firefighting and irrigation systems
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074-4
- Flange drilling to EN 1092-2 PN10/16
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Tests

All valves are individually hydrostatically tested according to EN 1074-4:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Single function air valve, designed for the discharge of small air volume allowing air admission into the system during system drainage
- Available with two connection choices: flanged or threaded
- For use in clean water suitable in pipelines up to DN 200
- Minimum working pressure: 0.1 bar
- Built-in 1/4 turn ball valve with a purger that allows the device to be isolated for checking and maintenance
- Available with filter to prevent debris from passing into the sealing zone of the air valve
- It must be installed in a vertical position and according to the following parameters:
 - at the highest point;
 - when accentuating the slope in the flow direction;
 - downstream of control valves fitted on descending pipeline;
 - at regular intervals along ascending/descending pipeline, at least every 500 meters;
- On request possibility of float coating and sealing in NBR.



A

B



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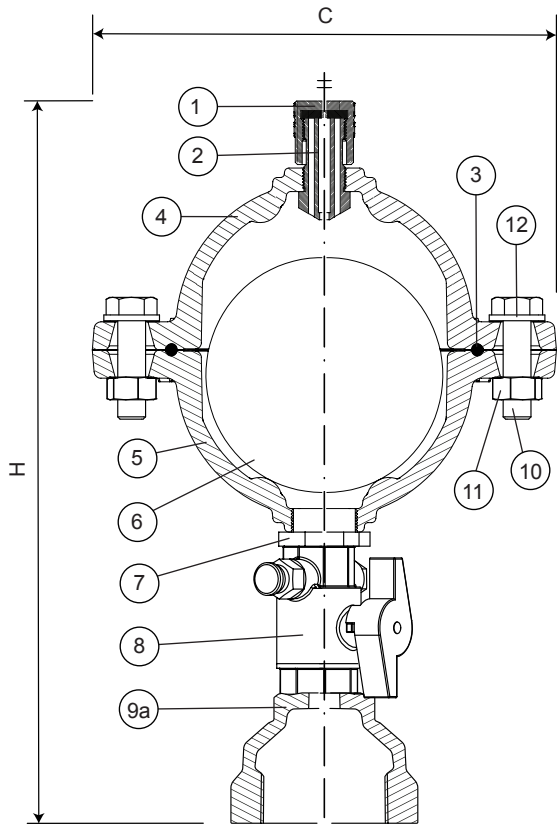
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SINGLE FUNCTION AIR VALVE

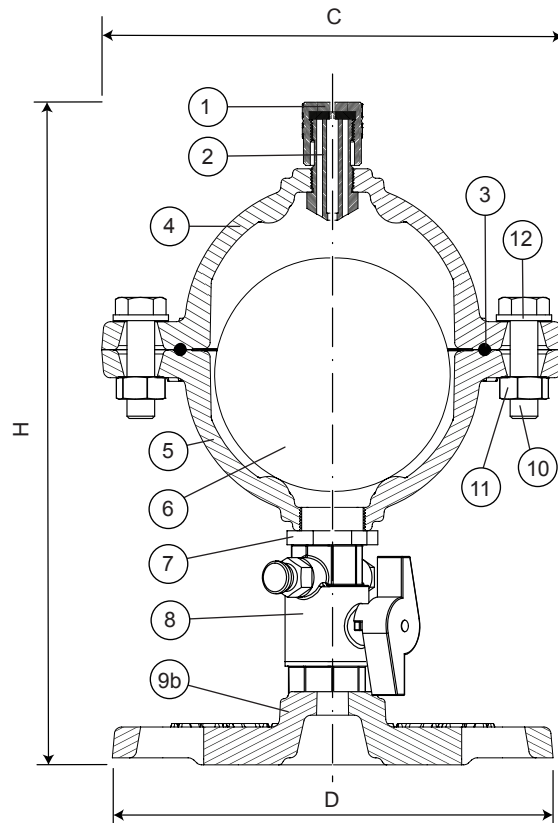
series WIND

DN 20 - 100 PN10/16

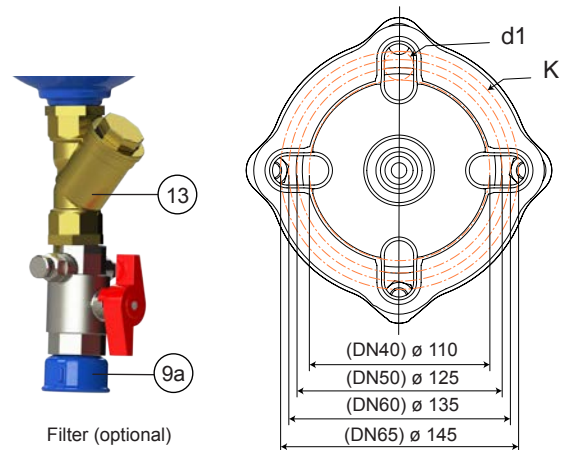
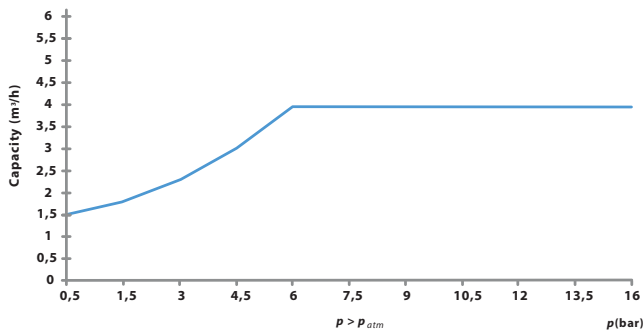
06.100



A - Single function air valve threaded model



B - Single function air valve flanged model



Filter (optional)

Flange of the single function air valve model DN 40 / 50 / 60 / 65

Component list

pos.	components	material	standard
1	Purger with evacuation	Brass CuZn39Pb3	EN 12164
2	Evacuation	Brass CuZn39Pb3	EN 12164
3	O-ring	Elastomer EPDM	EN 681 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Body	Ductile iron EN-GJS-500-7	EN 1563
6	Flutuator	Steel docol 1000DP	-
	Flutuator covering	Elastomer EPDM	EN 681 - 1
7	Bushing	Brass	-

pos.	components	material	standard
8	Ball valve with purger	Brass	-
9a	Threaded	Ductile iron EN-GJS-500-7	EN 1563
9b	Flange	Ductile iron EN-GJS-500-7	EN 1563
10	Bolts	Stainless steel A2	EN 10088 - 1
11	Nuts	Stainless steel A4	EN 10088 - 1
12	Washers	Stainless steel A2	EN 10088 - 1
13	Filter (optional)	Brass	-

continued on next page

SINGLE FUNCTION AIR VALVE

series WIND

DN 20 - 100 PN10/16

06.100



continued from previous page

A - Single function air valve threaded model

Reference and dimensions

DN	D (BSP)	code	filter Y / N	C mm	H mm	Kg approx.
20	G 3/4"	19901111	Y	188	336	6
20	G 3/4"	19901002	N	188	266	6
25	G 1"	19901109	Y	188	406	6
25	G 1"	19901003	N	188	336	6
32	G 1 1/4"	19901112	Y	188	406	6
32	G 1 1/4"	19901006	N	188	336	6
40	G 1 1/2"	19901108	Y	188	406	6
40	G 1 1/2"	19901004	N	188	336	6
50	G 2"	19901113	Y	188	406	7
50	G 2"	19901005	N	188	336	7

B - Single function air valve flanged model

Reference and dimensions

DN	PN	code	filter Y / N	∅ D mm	C mm	H mm	K mm	nº x d1 mm	Kg approx.
DN 40/50/60/65	10/16	19901110	Y	185	188	371	110/145	4 x 19	8
DN 40/50/60/65	10/16	19901001	N	185	188	301	110/145	4 x 19	8
DN 80	10/16	19901129	Y	220	188	371	160/180	8 x 19	10
DN 80	10/16	19901009	N	220	188	301	160/180	8 x 19	8
DN 100	10/16	19901130	Y	220	188	371	160/180	8 x 19	10
DN 100	10/16	19901010	N	220	188	301	160/180	8 x 19	8

DN	Main pipe diameter (DN)
G 3/4" to G 2"	40 to 200
40 / 50 / 60 / 65	
80	
100	



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Product description

- Double function air valve DOUBLE WIND for drinking water, prepared for water supply in firefighting and irrigation systems
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074-4
- Flange drilling to EN 1092-2 PN10/16
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Tests

All valves are individually hydrostatically tested according to EN 1074-4:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Double function air valve, designed for the discharge of small or average air volume allowing air admission into the system during system drainage
- Available with two connection choices: flanged or threaded
- For use in clean water suitable in pipelines up to DN 350
- Minimum working pressure: 0.3 bar
- Built-in 1/4 turn ball valve with a purger that allows the device to be isolated for checking and maintenance
- Available with filter to prevent debris from passing into the sealing zone of the air valve
- It must be installed in a vertical position and according to the following parameters:
 - at the highest point;
 - when accentuating the slope in the flow direction;
 - downstream of control valves fitted on descending pipeline;
 - at regular intervals along ascending/descending pipeline, at least every 500 meters;
- On request possibility of float coating and sealing in NBR.



A

B



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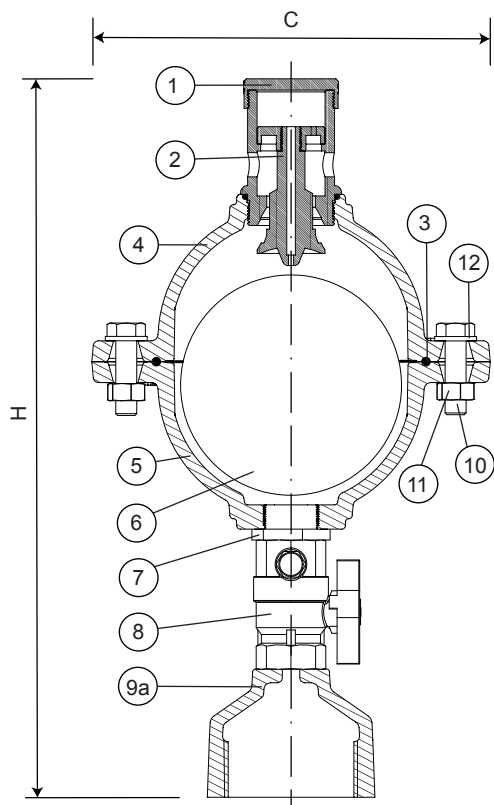
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DOUBLE FUNCTION AIR VALVE

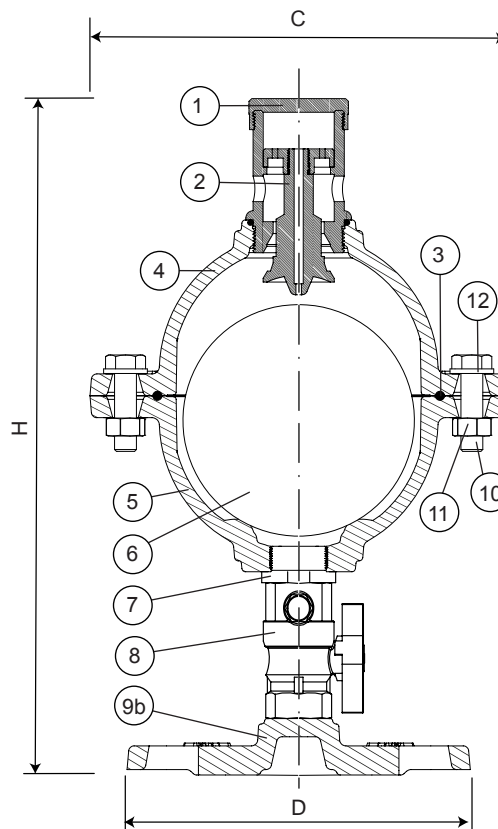
series **DOUBLE WIND**

DN 20 - 100 PN10/16

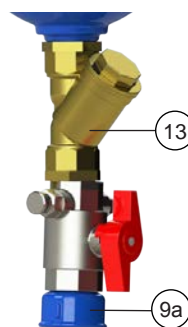
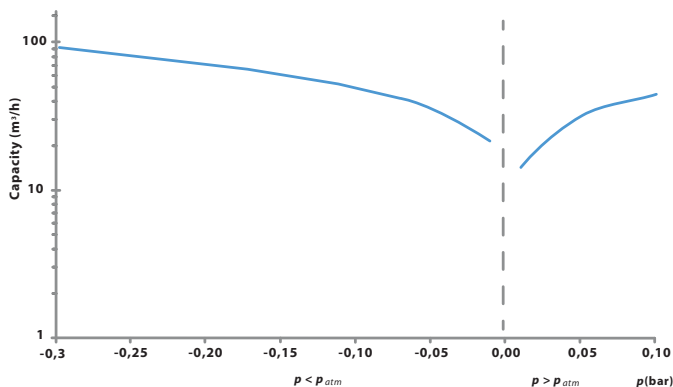
06.200



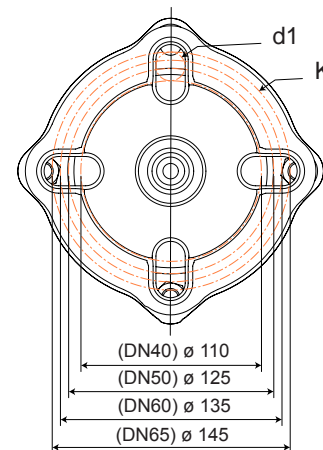
A - Single function air valve threaded model



B - Single function air valve flanged model



Filter (optional)



Flange of the single function air valve model

Component list

pos.	components	material	standard
1	Purger with evacuation	Brass CuZn39Pb3	EN 12164
2	Evacuation	Brass CuZn39Pb3	EN 12164
3	O-ring	Elastomer EPDM	EN 681 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Body	Ductile iron EN-GJS-500-7	EN 1563
6	Flutuator	Steel docol 1000DP	-
	Flutuator covering	Elastomer EPDM	EN 681 - 1
7	Bushing	Brass	-

pos.	components	material	standard
8	Ball valve with purger	Brass	-
9a	Threaded	Ductile iron EN-GJS-500-7	EN 1563
9b	Flange	Ductile iron EN-GJS-500-7	EN 1563
10	Bolts	Stainless steel A2	EN 10088 - 1
11	Nuts	Stainless steel A4	EN 10088 - 1
12	Washers	Stainless steel A2	EN 10088 - 1
13	Filter (optional)	Brass	-

continued on next page

DOUBLE FUNCTION AIR VALVE
series DOUBLE WIND
 DN 20 - 100 PN10/16

06.200



continued from previous page

A - Single function air valve threaded model

Reference and dimensions

DN	D (BSP)	code	filter S / N	C mm	H mm	Kg approx.
25	G 1"	19901115	S	222	435	9
25	G 1"	19901114	N	222	340	9
32	G 1 ¼"	19901117	S	222	500	10
32	G 1 ¼"	19901118	N	222	405	10
40	G 1 ½"	19901116	S	222	500	10
40	G 1 ½"	19901104	N	222	405	10
50	G 2"	19901106	S	222	500	10
50	G 2"	19901102	N	222	405	10
60/65	G 2" ½"	19901105	S	222	515	11
60/65	G 2" ½"	19901103	N	222	420	11

B - Single function air valve flanged model

Reference and dimensions

DN	PN	code	filter S / N	∅ D mm	C mm	H mm	K mm	n° x d1 mm	Kg approx.
DN 40/50/60/65	10/16	19901107	S	185	222	465	110/145	4 x 19	12
DN 40/50/60/65	10/16	19901101	N	185	222	370	110/145	4 x 19	11
DN 80	10/16	19907045	S	220	222	465	160/180	8 x 19	13
DN 80	10/16	19907025	N	220	222	370	160/180	8 x 19	13
DN 100	10/16	19907055	S	220	222	465	160/180	8 x 19	13
DN 100	10/16	19907035	N	220	222	370	160/180	8 x 19	13

DN	Main pipe diameter (DN)
G ¼" to G 2"	40 a 350
40 / 50 / 60 / 65	
80	
100	



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TRIPLE FUNCTION AIR VALVE

with isolating valve

DN 50 - 200 PN10/16

06.300



Product description

- Triple function air valve with isolating valve for drinking water, prepared for water supply in firefighting and irrigation systems
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074-4
- Flange drilling to EN 1092-2 PN10/16

Tests

All valves are individually hydrostatically tested according to EN 1074-4:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Triple function air valve, designed for the expulsion of the exhaust of large air volume allowing air ingress if pressure loss occurs
- For use in clean water suitable in pipelines up to DN 1200
- With isolating valve for maintenance
- Minimum pressure: 0.3 bar
- The device evacuates great air amounts during the filling of the main
- Allows the inlet of great air amounts (in order to avoid a vacuum effect) during the emptying of the main during normal working conditions
- It must be installed in a vertical position and according to the following parameters:
 - at the highest point;
 - when accentuating the slope in the flow direction;
 - downstream of control valves fitted on descending pipeline;
 - at regular intervals along ascending/descending pipeline, at least every 500 meters;
- On request possibility of float coating, sealing in NBR and stem in stainless steel AISI 316L.



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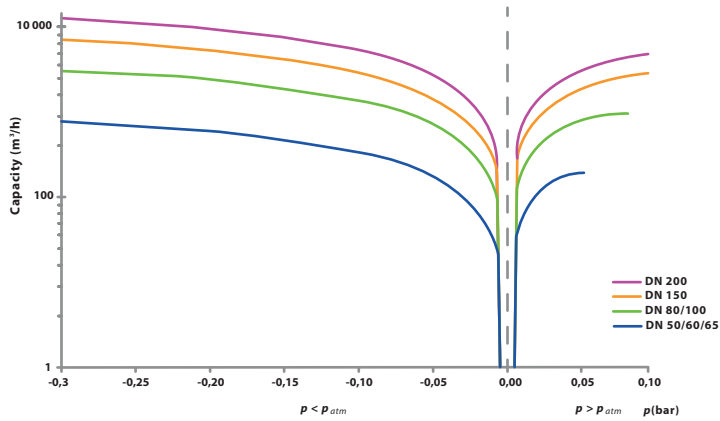
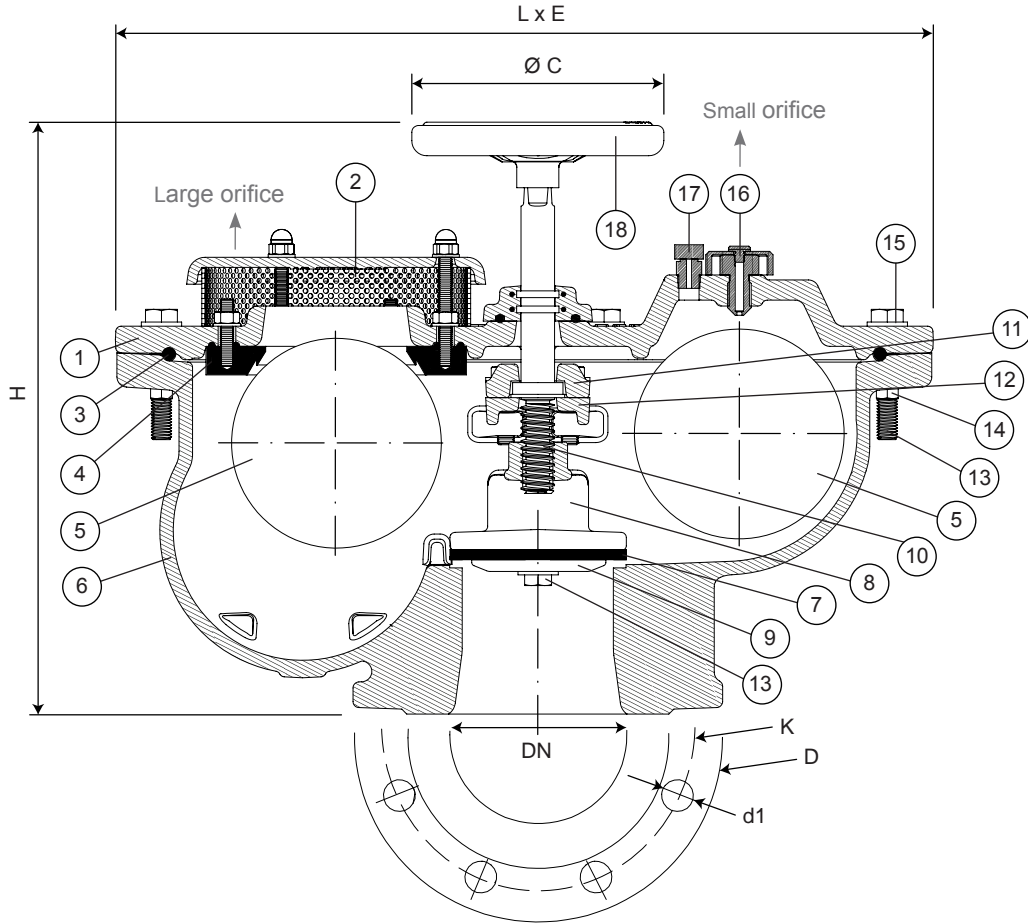
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TRIPLE FUNCTION AIR VALVE

with isolating valve
DN 50 - 200 PN10/16

06.300



Component list

pos.	components	material	standard
1	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
2	Air outlet	Stainless steel AISI 304	EN 10088 - 1
3	O-ring	Elastomer EPDM	EN 681 - 1
4	Air outlet sealing ring	Ductile iron EN-GJS-500-7	EN 1563
	Air outlet sealing ring covering	Elastomer EPDM	EN 681 - 1
5	Flutuator	Steel docol 1000DP	-
	Flutuator covering	Elastomer EPDM	EN 681 - 1
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Obturator	Ductile iron EN-GJS-500-7	EN 1563
9a	Obturator sealing fixing washer DN50-DN65	Brass CuZn39Pb3	EN 12164

pos.	components	material	standard
9b	Obturator sealing fixing washer DN80-DN200	Ductile iron EN-GJS-500-7	EN 1563
10	Stem	Stainless steel AISI 420	EN 10088 - 1
11	Stem support	Ductile iron EN-GJS-500-7	EN 1563
12	Stem guide	Ductile iron EN-GJS-500-7	EN 1563
13	Bolts	Stainless steel A2	EN 10088 - 1
14	Nuts	Stainless steel A4	EN 10088 - 1
15	Washers	Stainless steel A2	EN 10088 - 1
16	Nozzle	Brass CuZn39Pb3	EN 12164
17	Control purger	Brass CuZn39Pb3	EN 12164
18	Handwheel	Printed stell ST W24	EN 10111 and 10130

continued on next page

TRIPLE FUNCTION AIR VALVE
with isolating valve
 DN 50 - 200 PN10/16

06.300



continued from previous page

Reference and dimensions

DN	PN	code	D	L	E	H	∅ C	K	n° x ∅ d1	Kg
				mm	mm	mm	mm	mm	mm	approx.
50	10/16	19908010	165	390	200	290	150	125	4 x 19	26
60	10/16	19908015	175	390	200	290	150	135	4 x 19	27
65	10/16	19908020	185	390	200	290	150	145	4 x 19	27
80	10/16	19908030	200	485	245	360	200	160	8 x 19	41
100	10/16	19908040	220	485	245	360	200	180	8 x 19	42
150	10/16	19908050	285	680	360	500	200	240	8 x 23	120
200	10	19908060	340	680	360	500	200	295	8 x 23	122
200	16	19908061	340	680	360	500	200	295	12 x 23	122

DN	Main pipe diameter (DN)	Orifice size	
		Main air outlet	Automatic vacuum outlet
50	65 to 350	1600 mm ²	12 mm ²
60			
65			
80	400 to 600	2300 mm ²	
100			
150	700 to 900	5600 mm ²	
200	1000 to 1200		



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Product description

- Triple function air valve with isolating valve for drinking water, prepared for water supply in firefighting and irrigation systems
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074-4
- Flange drilling to EN 1092-2 PN25

Tests

All valves are individually hydrostatically tested according to EN 1074-4:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Triple function air valve, designed for the expulsion of the exhaust of large air volume allowing air ingress if pressure loss occurs
- For use in clean water suitable in pipelines up to DN 1200
- With isolating valve for maintenance
- Minimum pressure: 0.3 bar
- The device evacuates great air amounts during the filling of the main
- Allows the inlet of great air amounts (in order to avoid a vacuum effect) during the emptying of the main during normal working conditions
- It must be installed in a vertical position and according to the following parameters:
 - at the highest point;
 - when accentuating the slope in the flow direction;
 - downstream of control valves fitted on descending pipeline;
 - at regular intervals along ascending/descending pipeline, at least every 500 meters;
- On request possibility of float coating, sealing in NBR and stem in stainless steel AISI 316L.



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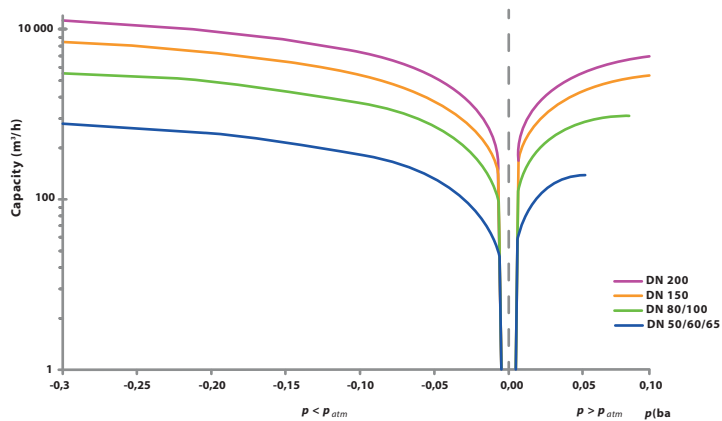
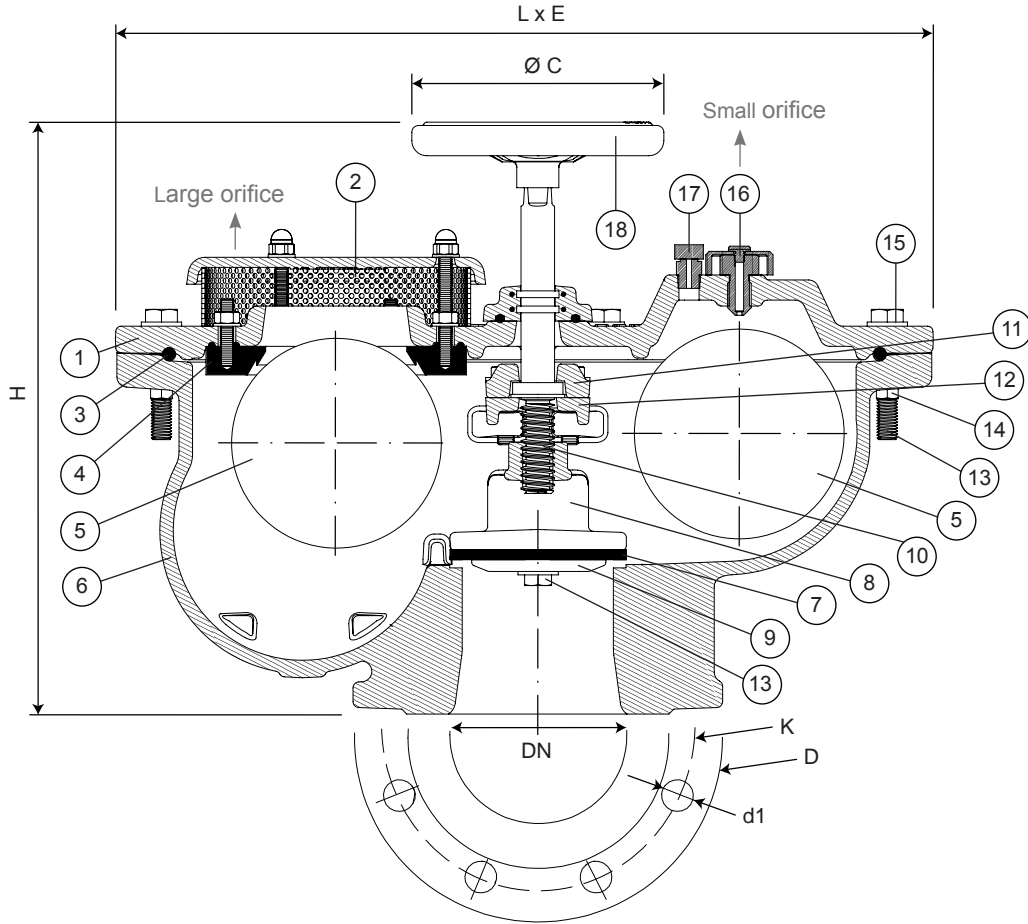
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TRIPLE FUNCTION AIR VALVE

with isolating valve

DN 50 - 200 PN25

06.301



Component list

pos.	components	material	standard
1	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
2	Air outlet	Stainless steel AISI 304	EN 10088 - 1
3	O-ring	Elastomer EPDM	EN 681 - 1
4	Air outlet sealing ring	Ductile iron EN-GJS-500-7	EN 1563
	Air outlet sealing ring covering	Elastomer EPDM	EN 681 - 1
5	Flutuator	Steel docol 1000DP	-
	Flutuator covering	Elastomer EPDM	EN 681 - 1
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Obturator	Ductile iron EN-GJS-500-7	EN 1563
9a	Obturator sealing fixing washer DN50-DN65	Brass CuZn39Pb3	EN 12164

pos.	components	material	standard
9b	Obturator sealing fixing washer DN80-DN200	Ductile iron EN-GJS-500-7	EN 1563
10	Stem	Stainless steel AISI 420	EN 10088 - 1
11	Stem support	Ductile iron EN-GJS-500-7	EN 1563
12	Stem guide	Ductile iron EN-GJS-500-7	EN 1563
13	Bolts	Stainless steel A2	EN 10088 - 1
14	Nuts	Stainless steel A4	EN 10088 - 1
15	Washers	Stainless steel A2	EN 10088 - 1
16	Nozzle	Brass CuZn39Pb3	EN 12164
17	Control purger	Brass CuZn39Pb3	EN 12164
18	Handwheel	Printed stell ST W24	EN 10111 and 10130

continued on next page

TRIPLE FUNCTION AIR VALVE
with isolating valve
 DN 50 - 200 PN25

06.301



continued from previous page

Reference and dimensions

DN	PN	code	D	L	E	H	∅ C	K	n° x ∅ d1	Kg
				mm	mm	mm	mm	mm	mm	approx.
50	25	19908065	165	390	200	290	150	125	4 x 19	30
60	25	19908070	175	390	200	290	150	135	8 x 19	31
65	25	19908080	185	390	200	290	150	145	8 x 19	31
80	25	19908090	200	485	245	360	200	160	8 x 19	50
100	25	19908095	220	485	245	360	200	190	8 x 23	51
150	25	19908100	285	680	360	500	200	250	8 x 28	132
200	25	19908105	340	680	360	500	200	310	12 x 28	146

DN	Main pipe diameter (DN)	Orifice size	
		Main air outlet	Automatic vacuum outlet
50	65 to 350	1600 mm ²	12 mm ²
60			
65			
80	400 to 600	2300 mm ²	
100			
150	700 to 900	5600 mm ²	
200	1000 to 1200		



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series SV

DN 50 - 200 PN10/16/25

**Product description**

- Triple function air valve SV for drinking water, prepared for water supply in firefighting and irrigation systems
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074-4
- Flange drilling to EN 1092-2 PN10/16/25

Tests

All valves are individually hydrostatically tested according to EN 1074-4:

- Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Triple function air valve, designed for the expulsion of the exhaust of large air volume allowing air ingress if pressure loss occurs
- For use in clean water suitable in pipelines up to DN 1200
- They must be mounted vertically at the highest points of the piping route
- Minimum pressure: 0.3 bar
- The device evacuates great air amounts during the filling of the main
- Allows the inlet of great air amounts (in order to avoid a vacuum effect) during the emptying of the main during normal working conditions
- It must be installed in a vertical position and according to the following parameters:
 - at the highest point;
 - when accentuating the slope in the flow direction;
 - downstream of control valves fitted on descending pipeline;
 - at regular intervals along ascending/descending pipeline, at least every 500 meters;
- On request possibility of float coating and sealing in NBR.



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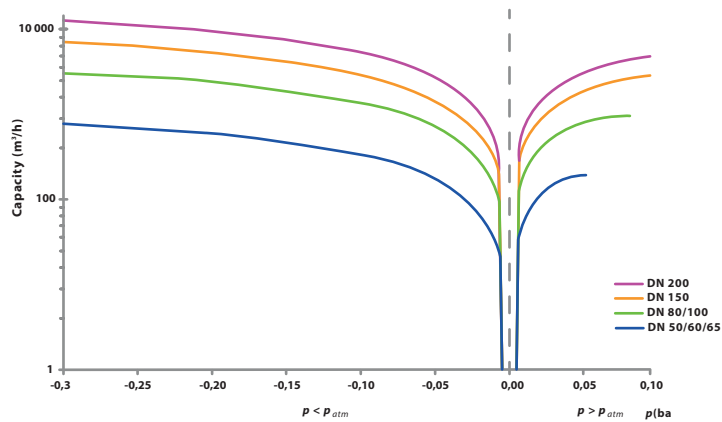
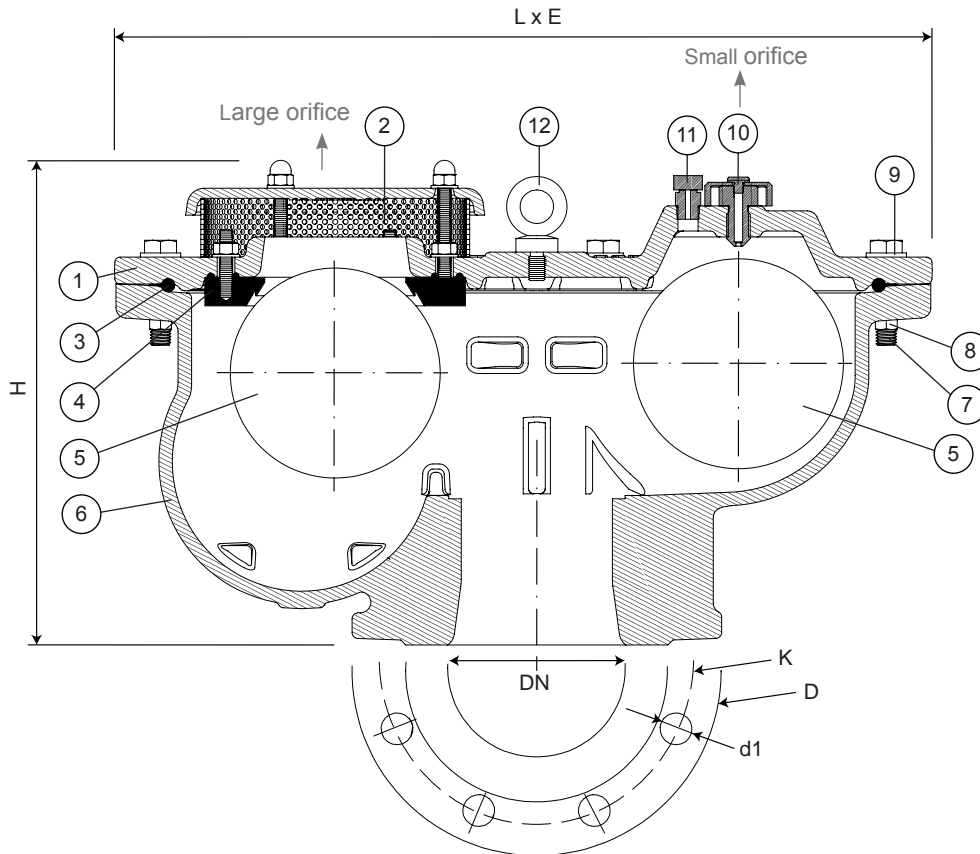
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TRIPLE FUNCTION AIR VALVE

series SV

DN 50 - 200 PN10/16/25

06.310



Component list

pos.	components	material	standard	pos.	components	material	standard
1	Bonnet	Ductile iron EN-GJS-500-7	EN 1563	6	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Air outlet	Stainless steel AISI 304	EN 10088 - 1	7	Bolts	Stainless steel A2	EN 10088 - 1
3	O-ring	Elastomer EPDM	EN 681 - 1	8	Nuts	Stainless steel A4	EN 10088 - 1
4	Air outlet sealing ring	Ductile iron EN-GJS-500-7	EN 1563	9	Washers	Stainless steel A2	EN 10088 - 1
	Air outlet sealing ring covering	Elastomer EPDM	EN 681 - 1	10	Nozzle	Brass CuZn39Pb3	EN 12164
5	Flutuator	Steel docol 1000DP	-	11	Control purger	Brass CuZn39Pb3	EN 12164
	Flutuator covering	Elastomer EPDM	EN 681 - 1	12	Lifting eye	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN	PN	code	D	L	E	H	K	n° x d1	Kg
				mm	mm	mm	mm	mm	approx.
50	10/16	19908610	165	390	200	230	125	4 x 19	23

continued on next page

TRIPLE FUNCTION AIR VALVE

series SV

DN 50 - 200 PN10/16/25

06.310



continued from previous page

Reference and dimensions (continuation)

DN	PN	code	D	L	E	H	K	n° x d1	Kg
				mm	mm	mm	mm	mm	mm
50	25	19908665	165	390	200	230	125	4 x 19	30
60	10/16	19908615	175	390	200	230	135	4 x 19	23
60	25	19908670	175	390	200	230	135	8 x 19	31
65	10/16	19908620	185	390	200	230	145	4 x 19	27
65	25	19908680	185	390	200	230	145	8 x 19	31
80	10/16	19908630	200	485	245	290	160	8 x 19	40
80	25	19908690	200	485	245	290	160	8 x 19	50
100	10/16	19908640	220	485	245	290	180	8 x 19	41
100	25	19908695	220	485	245	290	190	8 x 23	51
150	10/16	19908650	285	680	360	360	240	8 x 19	116
150	25	19908700	285	680	360	360	250	8 x 28	132
200	10	19908660	340	680	360	360	295	8 x 23	128
200	16	19908661	340	680	360	360	295	12 x 23	128
200	25	19908705	340	680	360	360	310	12 x 28	146

DN	Main pipe diameter (DN)	Orifice size	
		Main air outlet	Automatic vacuum outlet
50	65 to 350	1600 mm ²	12 mm ²
60			
65			
80	400 to 600	2300 mm ²	
100			
150	700 to 900	5600 mm ²	
200	1000 to 1200		



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Product description

- Fire hydrant series SOMEPAL prepared for water supply in firefighting, supply of potable water and filtered neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C
- Maximum allowable operating pressure (PFA); Allowable maximum operating pressure PN20 (PMA); Allowable test pressure PN25 (PEA)

Standards

- Designed according to EN14384 and EN 1074-6
- Flange drilling to EN 1092-2

Tests

All fire hydrant are individually hydrostatically tested according to EN 1074-6 and EN 14384

Corrosion protection

- Epoxy coating inside and outside, approved for potable water, with a minimum thickness of 250 µm, approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines; the exterior above the ground line is coated with a second finish in enamel and polyurethane, in a red color resistant to UV rays

Approvals

- Certified according to EN 14384: Certif certificate ESI-003/2023
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0065
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- For water supply in fire fighting and supply of drinking water and neutral liquids
- Simple installation and quick operation
- When installed and after loosening the fusible flange bolts, they allow the upper body to rotate 360°
- Equipped with storz plugs that include a depressurization mechanism that makes it possible to release the internal pressure
- Easy maintenance, with removable sealing system, without having to remove the hydrant from the pipeline
- In the event of an occasional impact that causes a break, sectioning of the frame occurs through the fracture of the fuse flange, allowing its repair under load using only the replacement kit
- Fire frame comes equipped with an integrated drainage system (dry column - Type C). When the column is closed, it automatically empties. Landmark drain time 6,4 minutes
- Fire frame supplied as standard with DN100 double flanged 90° duckfoot bend, on request it can be supplied with movable flanged uPVC socket 90° duckfoot bend, on request it can be supplied with flanged reduction bend of DN100/80, or flange/mouth bend for PVC pipe DN100/110 or DN100/90 with duckfoot
- Accessories: key for fire hydrants [ref.07.500], key for inviolable blank caps [ref. 07.500] and replacement kit [ref. 07.501]
- On request, the fire hydrant can be supplied in other colors; with red bonnet; stem in stainless steel AISI 316L or other; inviolable bank cap or seals in NBR.

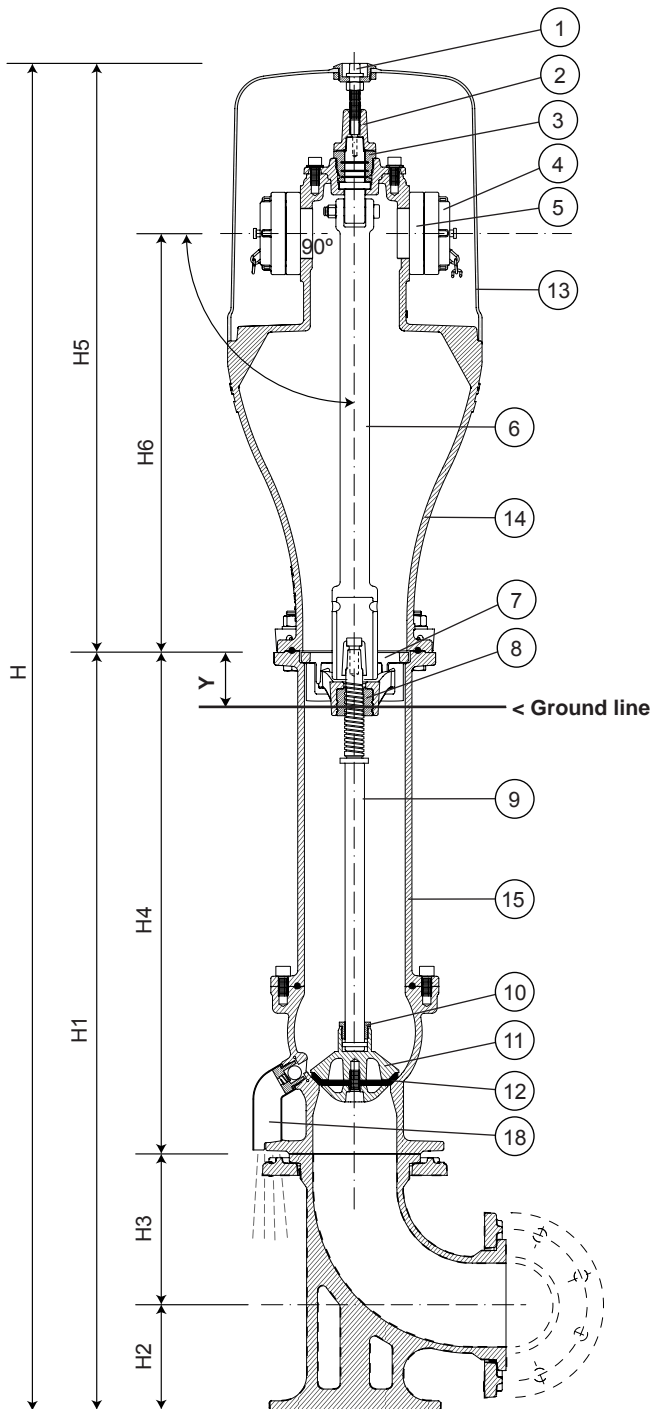


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Terms of use

- Allowable operating pressure (PFA) 16 bar
- Number of turns to open fully: 10 turns left
- Drain valve maximum flow time 6,4 min/m
- Volume of retained water 10 ml
- Maximum operating torque (MOT): 125Nm
- Minimum strength torque (mST): 250Nm



Storz blank caps with purger



White bonnet, optionally, could be supplied with outlet jackets in red or personalized

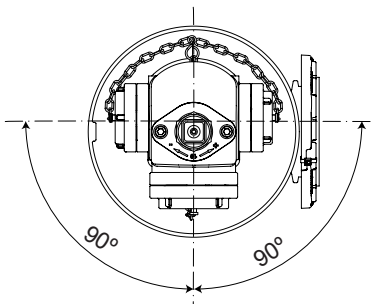


In case of occasional impact, use only the replacement kit



System drainage

Fire hydrant Somepal illustrated option A - Double flanged 90° duckfoot bend DN100



HIDRAULIC CHARACTERISTICS
Minimum flow coefficient for different connection types and MI height

storz	(Kv)
52 (DN 50)	69
75 (DN 65)	112
110 (DN 100)	164

continued on next page



continued from previous page

Component list

pos.	components	material	standard
1	Bonnet washer	Brass	EN 12164
2	Stem cap	Ductile iron EN-GJS-500-7	EN 1563
3	Upper body gland	Brass	EN 12164
4	Storz cap	Aluminum	-
5	Storz coupling	Aluminum	-
6	Upper stem rod	Ductile iron EN-GJS-500-7	EN 1563
7	Suport	Ductile iron EN-GJS-500-7	EN 1563
8	Wedge nut	Brass	EN 12164
9	Stem	Stainless steel AISI 420	EN 10088 - 1
10	Obturator fixed nut	Brass	EN 12164
11	Obturator	Ductile iron EN-GJS-500-7	EN 1563
12	Obturator joint	Elastomer EPDM WA	EN 681 - 1
13	Cover	Glass fiber	-
14	Body superior	Ductile iron EN-GJS-500-7	EN 1563
15	Intermediate body inferior	Ductile iron EN-GJS-500-7	EN 1563
16	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
17	Automatic ball drain	Brass	-
18	Drain pipe	PE	-
19	Flange fuse	Ductile iron EN-GJS-500-7	EN 1563
20	Nuts	Stainless steel A4	EN 10088 - 1
21	Washers	Stainless steel A2	EN 10088 - 1
22	Bolts	Stainless steel A2	EN 10088 - 1

Reference and dimensions

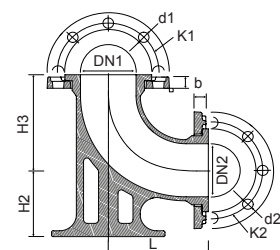
DN	code	Y mm	H mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	H6 mm	water outlets			turns to open	Kg approx.
										type	front	side		
100	11209050*	60	1605	905	125	180	600	700	500	Storz	110	75 52	10	59
100	11209041*	60	1605	905	125	180	600	700	500	Storz	110	75 75	10	59
100	11209051*	60	1605	905	125	180	600	700	500	Storz	110	52 52	10	59
100	11209062*	60	1605	905	125	180	600	700	500	Storz	75	75 52	10	59
100	11209060*	60	1605	905	125	180	600	700	500	Storz	75	52 52	10	59
100	11209044	60	1605	905	125	180	600	700	500	Barcelona	100	70 70	10	59
100	11209045	60	1605	905	125	180	600	700	500	Barcelona	70	45 45	10	59
100	112096102	60	1605	905	125	180	600	700	500	UNI	-	70 70	10	59
100	11209520	60	1605	905	125	180	600	700	500	Guillemin	100	65 65	10	59
100	11209515	60	1605	905	125	180	600	700	500	Guillemin	80	40 40	10	59
100	1120951001	60	1879	1177	125	180	600	700	500	Guillemin	100	65 65	10	63

* With red bonnet, add "VM" to the fire hydrant Somepal code

Option A - Double flanged 90° duckfoot bend



Double flanged 90° duckfoot bend [ref.10.1004]



DN1 DN2	PN	code	L mm	H2 mm	H3 mm	K1 mm	n° x d1 mm	K2 mm	n° x d2 mm	b mm	Kg approx.
100	10/16	10001065	180	125	180	180	8 x 19	180	8 x 19	21	16
100 80	10/16	100010651	180	125	180	180	8 x 19	160	8 x 19	21	15

continued on next page - Option B

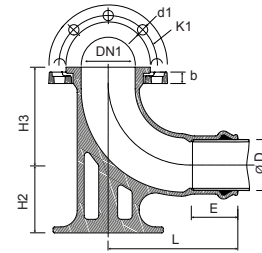


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Option B - Movable flanged uPVC socket 90° duckfoot bend



On request movable flanged uPVC socket 90° duckfoot bend [ref.10.104]



DN1	Ø D ext. PVC	PN	code	L mm	E min	H2 mm	H3 mm	K1 mm	n° x d1 mm	b mm	Kg approx.
100	90	10/16	10001064	240	86	125	305	180	8 x 19	19	14
100	110	10/16	10001066	260	115	125	305	180	8 x 19	19	15





Product description

- Fire hydrant series SOMEPAL with incorporates bend prepared for water supply in firefighting, supply of potable water and filtered neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C
- Maximum allowable operating pressure (PFA); Allowable maximum operating pressure PN20 (PMA); Allowable test pressure PN25 (PEA)

Standards

- Designed according to EN14384 and EN 1074-6
- Flange drilling to EN 1092-2

Tests

All fire hydrant are individually hydrostatically tested according to EN 1074-6 and EN 14384

Corrosion protection

- Epoxy coating inside and outside, approved for potable water, with a minimum thickness of 250 µm, approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines; the exterior above the ground line is coated with a second finish in enamel and polyurethane, in a red color resistant to UV rays

Approvals

- Certified according to EN 14384: Certif certificate ESI-001/2023
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0065
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- For water supply in fire fighting and supply of drinking water and neutral liquids
- Simple installation and quick operation
- When installed and after loosening the fusible flange bolts, they allow the upper body to rotate 360°
- Equipped with storz plugs that include a depressurization mechanism that makes it possible to release the internal pressure
- Easy maintenance, with removable sealing system, without having to remove the hydrant from the pipeline
- In the event of an occasional impact that causes a break, sectioning of the frame occurs through the fracture of the fuse flange, allowing its repair under load using only the replacement kit
- Fire frame comes equipped with an integrated drainage system (dry column - Type C). When the column is closed, it automatically empties. Landmark drain time 6,4 minutes
- Fire frame supplied as standard with DN100 double flanged 90° duckfoot bend, on request it can be supplied with movable flanged uPVC socket 90° duckfoot bend, on request it can be supplied with flanged reduction bend of DN100/80, or flange/mouth bend for PVC pipe DN100/110 or DN100/90 with duckfoot
- Accessories: key for fire hydrants [ref.07.500], key for inviolable blank caps [ref. 07.500] and replacement kit [ref. 07.501]
- On request, the fire hydrant can be supplied in other colors; with red bonnet; stem in stainless steel AISI 316L or other; inviolable bank cap or seals in NBR.



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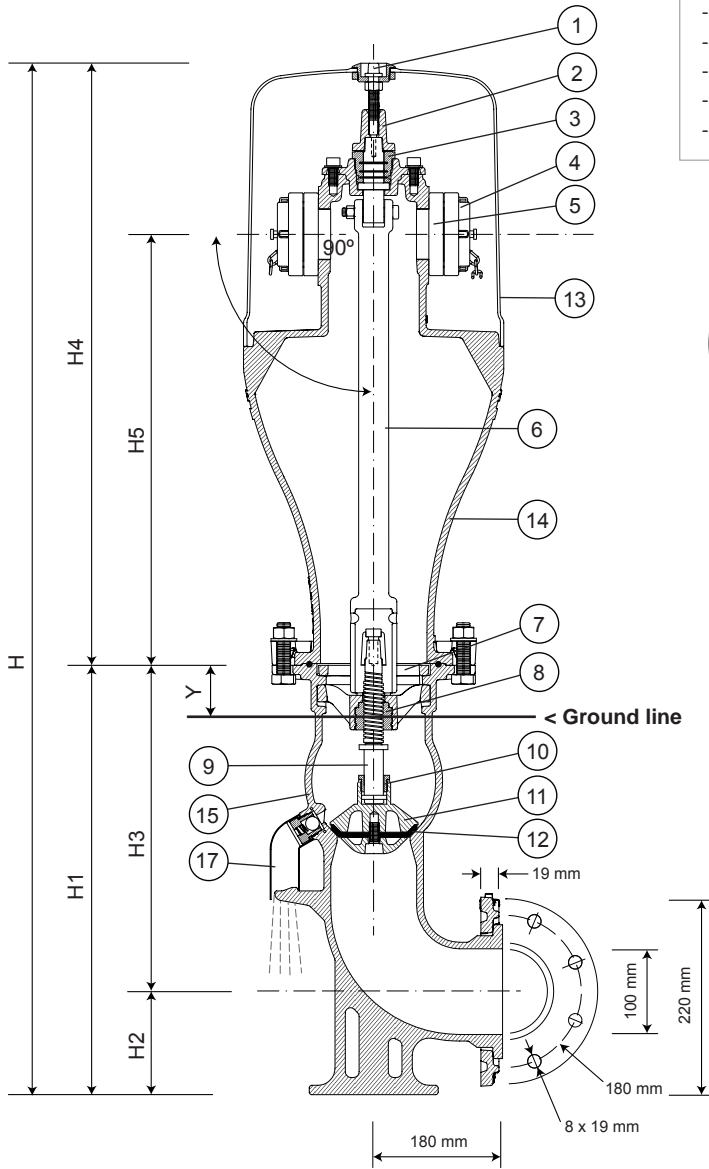
FIRE HYDRANT SOMEPAL
with incorporated bend
 DN 100 - PN16

07.101



Terms of use

- Allowable operating pressure (PFA) 16 bar
- Number of turns to open fully: 10 turns left
- Drain valve maximum flow time 6,4 min/m
- Volume of retained water 10 ml
- Maximum operating torque (MOT): 125Nm
- Minimum strength torque (mST): 250Nm



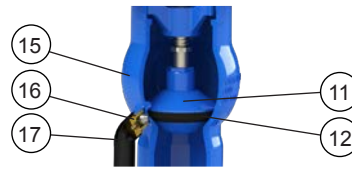
Storz blank caps



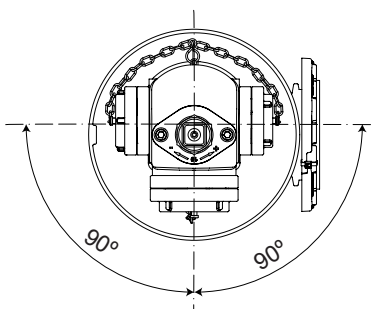
White bonnet, optionally, could be supplied with outlet jackets in red or personalized



In case of occasional impact, use only the replacement kit



System drainage



HIDRAULIC CHARACTERISTICS
 Minimum flow coefficient for
 different connection types
 and MI height

storz	(Kv)
52 (DN 50)	69
75 (DN 65)	112
110 (DN 100)	164

continued on next page

FIRE HYDRANT SOMEPAL
with incorporated bend
 DN 100 - PN16

07.101



continued from previous page

Component list

pos.	components	material	standard
1	Bonnet washer	Brass	EN 12164
2	Stem cap	Ductile iron EN-GJS-500-7	EN 1563
3	Upper body gland	Brass	EN 12164
4	Storz cap	Aluminum	-
5	Storz coupling	Aluminum	-
6	Upper stem rod	Ductile iron EN-GJS-500-7	EN 1563
7	Suport	Ductile iron EN-GJS-500-7	EN 1563
8	Wedge nut	Brass	EN 12164
9	Stem	Stainless steel AISI 420	EN 10088 - 1
10	Obturator fixed nut	Brass	EN 12164
11	Obturator	Ductile iron EN-GJS-500-7	EN 1563
12	Obturator joint	Elastomer EPDM WA	EN 681 - 1
13	Cover	Glass fiber	-
14	Body superior	Ductile iron EN-GJS-500-7	EN 1563
15	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
16	Automatic ball drain	Brass	-
17	Drain pipe	PE	-
18	Flange fuse	Ductile iron EN-GJS-500-7	EN 1563
19	Nuts	Stainless steel A4	EN 10088 - 1
20	Washers	Stainless steel A2	EN 10088 - 1
21	Bolts	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN	code	Y mm	H mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	water outlets			turns to open	Kg approx.
									type	front	side		
100	11209610*	60	1200	500	120	380	700	500	Storz	110	75 52	10	59
100	11209605*	60	1200	500	120	380	700	500	Storz	110	75 75	10	59
100	11209615*	60	1200	500	120	380	700	500	Storz	75	52 52	10	59
100	-	60	1200	500	120	380	700	500	Barcelona	100	70 70	10	59
100	-	60	1200	500	120	380	700	500	Barcelona	70	45 45	10	59
100	112096101	60	1200	500	120	380	700	500	UNI	-	70 70	10	59

* With red bonnet, add "VM" to the fire hydrant Somepal code



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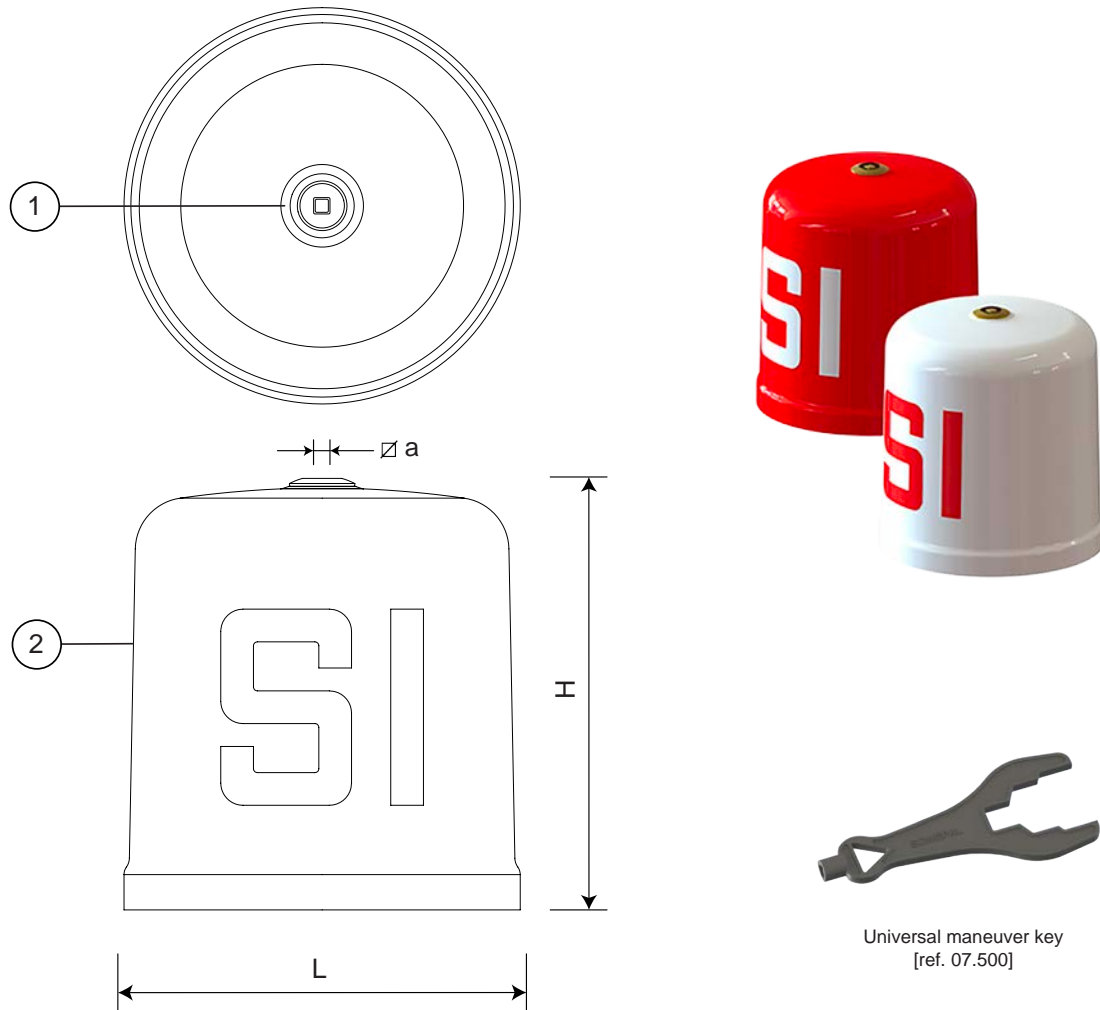
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Product description

- Replacement white or red bonnet for the Somepal fire hydrant
- Accessories: universal maneuver key [ref.07.500].



Universal maneuver key
[ref. 07.500]

Component list

pos.	components	material	standard
1	Bonnet washer	Brass	EN 12164
2	Bonnet	EN 12164	-

Reference and dimensions

code	designation	L	H	∅ a	Kg
		mm	mm	mm	approx.
11209059	White bonnet for Fire hydrant Somepal series	300	330	13	2
11209058	Red bonnet for Fire hydrant Somepal series	300	330	13	2



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Product description

- Fire hydrant series CLASSIC prepared for water supply in firefighting, supply of potable water and filtered neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C
- Maximum allowable operating pressure (PFA); Allowable maximum operating pressure PN20 (PMA); Allowable test pressure PN25 (PEA)

Standards

- Designed according to EN14384 and EN 1074-6
- Flange drilling to EN 1092-2

Tests

All fire hydrant are individually hydrostatically tested according to EN 1074-6 and EN 14384

Corrosion protection

- Epoxy coating inside and outside, approved for potable water, with a minimum thickness of 250 µm, approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines; the exterior above the ground line is coated with a second finish in enamel and polyurethane, in a red color resistant to UV rays

Approvals

- Certified according to EN 14384: Certif certificate ESI-003/2023
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0065
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- For water supply in fire fighting and supply of drinking water and neutral liquids
- Simple installation and quick operation
- When installed and after loosening the fusible flange bolts, they allow the upper body to rotate 360°
- Equipped with storz plugs that include a depressurization mechanism that makes it possible to release the internal pressure
- Easy maintenance, with removable sealing system, without having to remove the hydrant from the pipeline
- In the event of an occasional impact that causes a break, sectioning of the frame occurs through the fracture of the fuse flange, allowing its repair under load using only the replacement kit
- Fire frame comes equipped with an integrated drainage system (dry column - Type C). When the column is closed, it automatically empties. Landmark drain time 6,4 minutes
- Fire frame supplied as standard with DN100 double flanged 90° duckfoot bend, on request it can be supplied with movable flanged uPVC socket 90° duckfoot bend, on request it can be supplied with flanged reduction bend of DN100/80, or flange/mouth bend for PVC pipe DN100/110 or DN100/90 with duckfoot
- Accessories: key for fire hydrants [ref.07.500], key for inviolable blank caps [ref. 07.500] and replacement kit [ref. 07.501]
- On request, the fire hydrant can be supplied in other colors; with red bonnet; stem in stainless steel AISI 316L or other;



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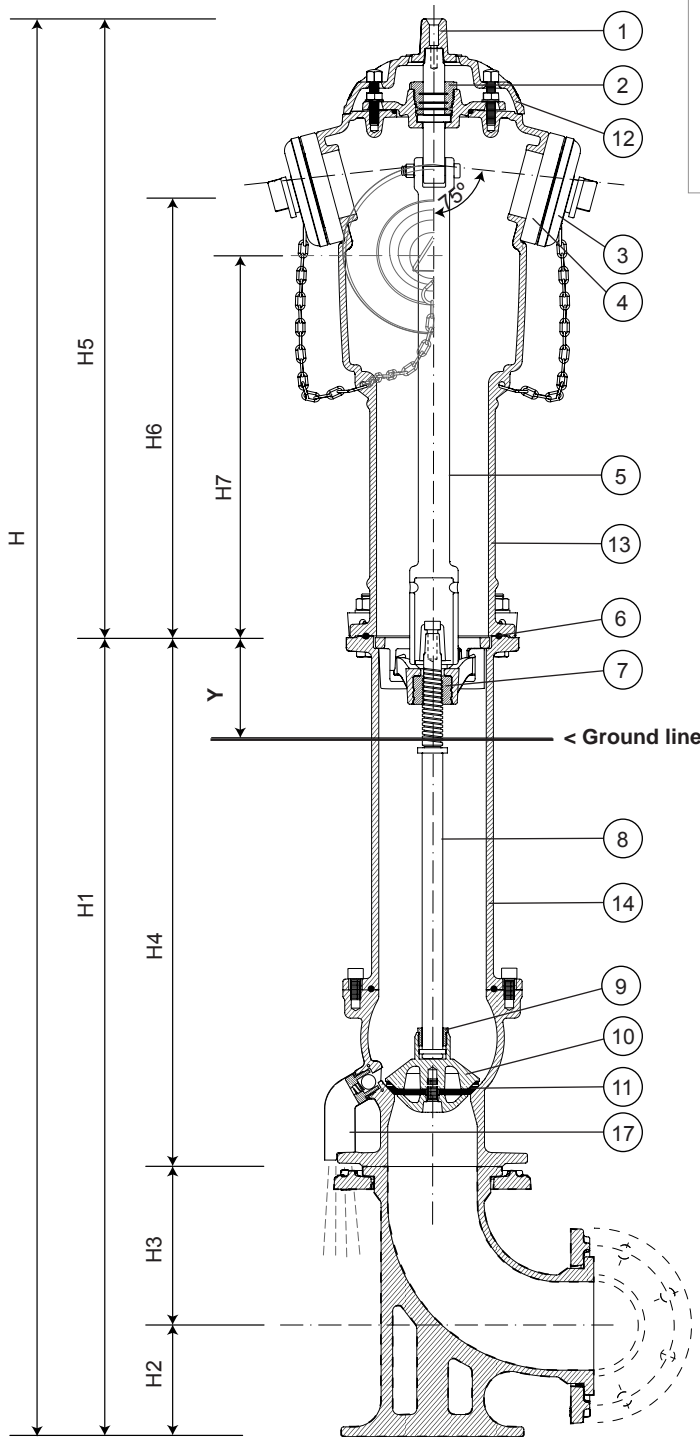
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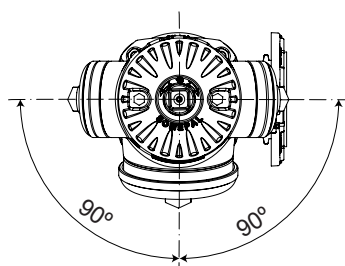
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Classic

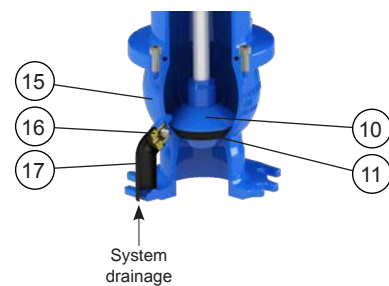
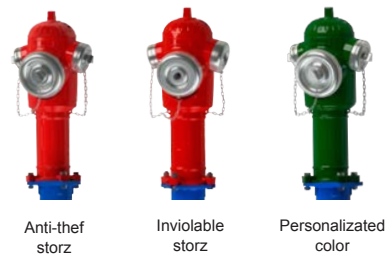


Fire hydrant Classic illustrated option A - Double flanged 90° duckfoot bend DN100



Terms of use

- Allowable operating pressure (PFA) 16 bar
- Number of turns to open fully: 10 turns left
- Drain valve maximum flow time 6,4 min/m
- Volume of retained water 10 ml
- Maximum operating torque (MOT): 125Nm
- Minimum strength torque (mST): 250Nm



HIDRAULIC CHARACTERISTICS	
Minimum flow coefficient for different connection types and MI height	
storz	(Kv)
52 (DN 50)	69
75 (DN 65)	112
110 (DN 100)	164

continued on next page



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Component list

pos.	componentes	material	norma
1	Stem cap	Ductile iron EN-GJS-500-7	EN 1563
2	Upper body gland	Brass	EN 12164
3	Storz cap	Aluminum	-
4	Storz coupling	Aluminum	-
5	Upper stem rod	Ductile iron EN-GJS-500-7	EN 1563
6	Suport	Ductile iron EN-GJS-500-7	EN 1563
7	Wedge nut	Brass	EN 12164
8	Stem	Stainless steel AISI 420	EN 10088 - 1
9	Obturator fixed nut	Brass	EN 12164
10	Obturator	Ductile iron EN-GJS-500-7	EN 1563
11	Obturator joint	Elastomer EPDM WA	EN 681 - 1
12	Cover	Ductile iron EN-GJS-500-7	EN 1563
13	Body superior	Ductile iron EN-GJS-500-7	EN 1563
14	Intermediate body inferior	Ductile iron EN-GJS-500-7	EN 1563
15	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
16	Automatic ball drain	Brass	-
17	Drain pipe	PE	-
18	Flange fuse	Ductile iron EN-GJS-500-7	EN 1563
19	Nuts	Stainless steel A4	EN 10088 - 1
20	Washers	Stainless steel A2	EN 10088 - 1
21	Bolts	Stainless steel A2	EN 10088 - 1

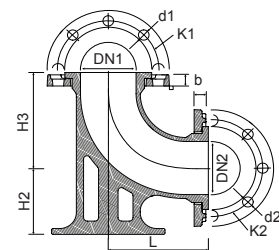
Reference and dimensions

DN	code	Y mm	H mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	H6 mm	H7 mm	water outlets			turns to open	Kg approx.
											type	front	side		
100	11210020	60	1605	905	125	180	600	700	505	435	Anti-thef storz	110	75 52	10	53
100	11210060	60	1605	905	125	180	600	700	505	435	Anti-thef storz	110	75 75	10	53
100	11210040	60	1605	905	125	180	600	700	505	435	Anti-thef storz	75	52 52	10	53
100	11210070	60	1605	905	125	180	600	700	505	435	Inviolable storz	110	75 52	10	57
100	-	60	1605	905	125	180	600	700	505	435	Inviolable storz	110	75 75	10	57
100	11210080	60	1605	905	125	180	600	700	505	435	Inviolable storz	75	52 52	10	57
100	11209510	60	1605	905	125	180	600	700	505	435	Guillemin	100	65 65	10	53
100	11209505	60	1605	905	125	180	600	700	505	435	Guillemin	80	40 40	10	53

Option A - Double flanged 90° duckfoot bend



Double flanged 90° duckfoot bend [ref.10.1004]



DN1 DN2	PN	code	L mm	H2 mm	H3 mm	K1 mm	n° x d1 mm	K2 mm	n° x d2 mm	b mm	Kg approx.
100	10/16	10001065	180	125	180	180	8 x 19	180	8 x 19	21	16
100 80	10/16	100010651	180	125	180	180	8 x 19	160	8 x 19	21	15

continued on next page - Option B

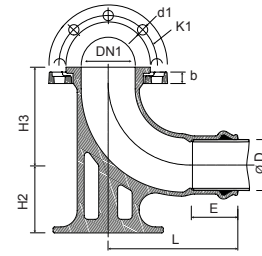


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Option B - Movable flanged uPVC socket 90° duckfoot bend



On request movable flanged uPVC socket 90° duckfoot bend [ref.10.104]



DN1	Ø D ext. PVC	PN	code	L mm	E min	H2 mm	H3 mm	K1 mm	n° x d1 mm	b mm	Kg approx.
100	90	10/16	10001064	240	86	125	305	180	8 x 19	19	14
100	110	10/16	10001066	260	115	125	305	180	8 x 19	19	15





Product description

- Fire hydrant series CLASSIC with incorporates bend prepared for water supply in firefighting, supply of potable water and filtered neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C
- Maximum allowable operating pressure (PFA); Allowable maximum operating pressure PN20 (PMA); Allowable test pressure PN25 (PEA)

Standards

- Designed according to EN14384 and EN 1074-6
- Flange drilling to EN 1092-2

Tests

All fire hydrant are individually hydrostatically tested according to EN 1074-6 and EN 14384

Corrosion protection

- Epoxy coating inside and outside, approved for potable water, with a minimum thickness of 250 µm, approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines; the exterior above the ground line is coated with a second finish in enamel and polyurethane, in a red color resistant to UV rays

Approvals

- Certified according to EN 14384: Certif certificate ESI-001/2023
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0065
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- For water supply in fire fighting and supply of drinking water and neutral liquids
- Simple installation and quick operation
- When installed and after loosening the fusible flange bolts, they allow the upper body to rotate 360°
- Equipped with storz plugs that include a depressurization mechanism that makes it possible to release the internal pressure
- Easy maintenance, with removable sealing system, without having to remove the hydrant from the pipeline
- In the event of an occasional impact that causes a break, sectioning of the frame occurs through the fracture of the fuse flange, allowing its repair under load using only the replacement kit
- Fire frame comes equipped with an integrated drainage system (dry column - Type C). When the column is closed, it automatically empties. Landmark drain time 6,4 minutes
- Fire frame supplied as standard with DN100 double flanged 90° duckfoot bend, on request it can be supplied with movable flanged uPVC socket 90° duckfoot bend, on request it can be supplied with flanged reduction bend of DN100/80, or flange/mouth bend for PVC pipe DN100/110 or DN100/90 with duckfoot
- Accessories: key for fire hydrants [ref.07.500], key for inviolable blank caps [ref. 07.500] and replacement kit [ref. 07.501]
- On request, the fire hydrant can be supplied in other colors; with red bonnet; stem in stainless steel AISI 316L or other; inviolable bank cap or seals in NBR.



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FIRE HYDRANT CLASSIC
with incorporated bend
 DN 100 - PN16

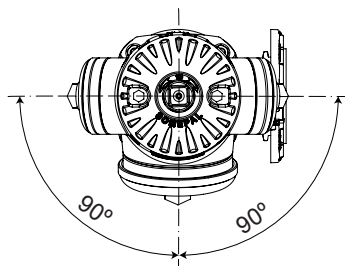
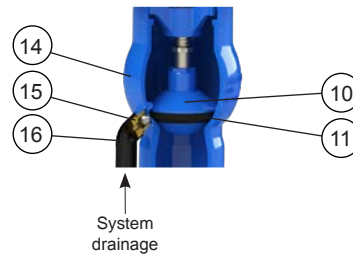
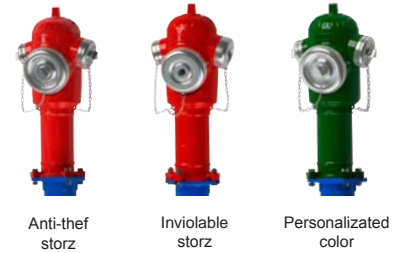
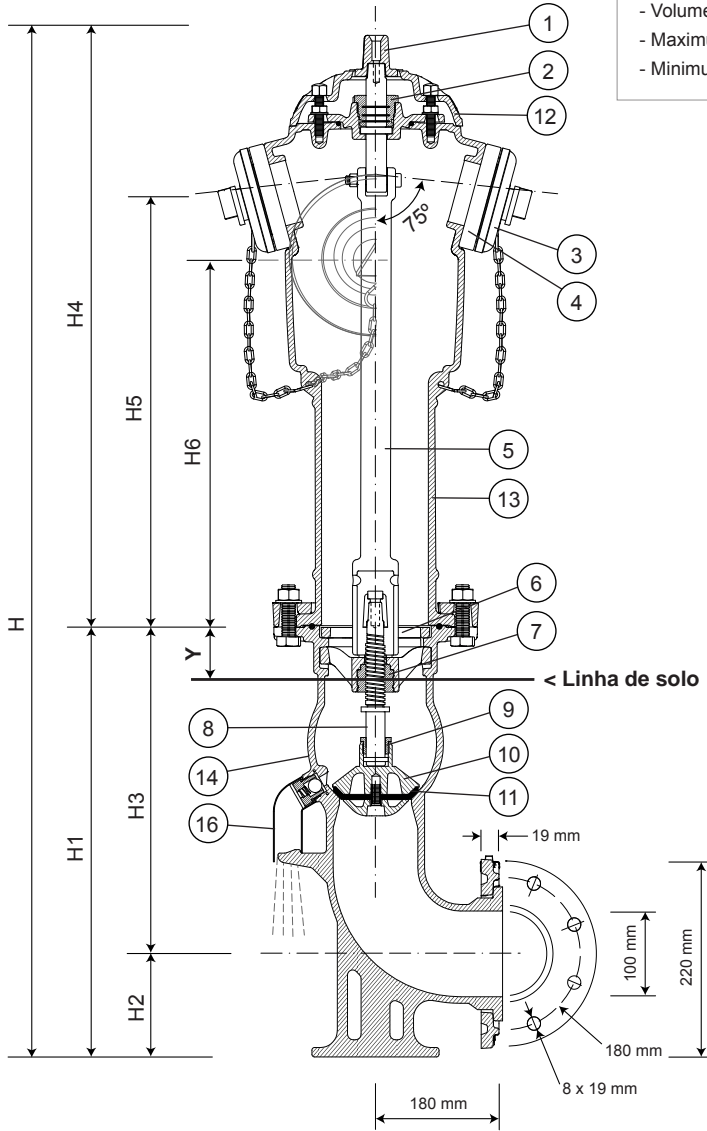
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Classic

Terms of use

- Allowable operating pressure (PFA) 16 bar
- Number of turns to open fully: 10 turns left
- Drain valve maximum flow time 6,4 min/m
- Volume of retained water 10 ml
- Maximum operating torque (MOT): 125Nm
- Minimum strength torque (mST): 250Nm



HIDRAULIC CHARACTERISTICS
 Minimum flow coefficient for
 different connection types
 and MI height

storz	(Kv)
52 (DN 50)	69
75 (DN 65)	112
110 (DN 100)	164

continued on next page

FIRE HYDRANT CLASSIC
with incorporated bend
 DN 100 - PN16

07.201



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Component list

pos.	components	material	standard
1	Stem cap	Ductile iron EN-GJS-500-7	EN 1563
2	Upper body gland	Brass	EN 12164
3	Storz cap	Aluminum	-
4	Storz coupling	Aluminum	-
5	Upper stem rod	Ductile iron EN-GJS-500-7	EN 1563
6	Suport	Ductile iron EN-GJS-500-7	EN 1563
7	Wedge nut	Brass	EN 12164
8	Stem	Stainless steel AISI 420	EN 10088 - 1
9	Obturator fixed nut	Brass	EN 12164
10	Obturator	Ductile iron EN-GJS-500-7	EN 1563
11	Obturator joint	Elastomer EPDM WA	EN 681 - 1
12	Cover	Ductile iron EN-GJS-500-7	EN 1563
13	Body superior	Ductile iron EN-GJS-500-7	EN 1563
14	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
15	Automatic ball drain	Brass	-
16	Drain pipe	PE	-
17	Flange fuse	Ductile iron EN-GJS-500-7	EN 1563
18	Nuts	Stainless steel A4	EN 10088 - 1
19	Washers	Stainless steel A2	EN 10088 - 1
20	Bolts	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN	code	Y mm	H mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	H6 mm	water outlets			turns to open	Kg approx.
										type	front	side		
100	11209710	60	1200	500	120	380	700	505	435	Anti-theft storz	110	75 52	10	53
100	11209720	60	1200	500	120	380	700	505	435	Anti-theft storz	110	75 75	10	53
100	11209700	60	1200	500	120	380	700	505	435	Anti-theft storz	75	52 52	10	53
100	11209710INV	60	1200	500	120	380	700	505	435	Inviolable storz	110	75 52	10	53
100	11209720INV	60	1200	500	120	380	700	505	435	Inviolable storz	75	52 52	10	53
100	-	60	1200	500	120	380	700	505	435	Guillemin	100	65 65	10	62



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UNDERGROUND FIRE HYDRANT DN 80 - 100 PN16

07.300



Product description

- Underground fire hydrant for firefighting, drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14339 and EN 1074-6
- Flange drilling to EN 1092-2 PN10/16

Tests

All underground hydrants are individually hydrostatically tested according to EN 14339 and EN 1074-6

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

Hydrant

- Epoxy powder coating RAL 5005 (blue)
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Protective box and bonnet

- Red-colored protective box and cover coating RAL 3000
- Interior and exterior coating of the box and cover cover in polyester UV rays

Approvals

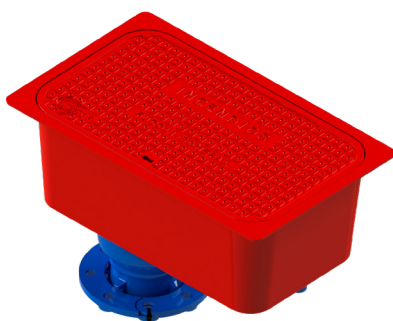
- Certified according to EN 14384: Certif certificate ESI-004/2023 (DN80) and certificate ESI-005/2023 (DN100)
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0064 (DN80) and certificate 1328-CPR-0099 (DN100)
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- Prepared for firefighting and supplying potable water and neutral liquids.
- Simple installation and absolute security
- Hydrant DN 80 available with different outlets: storz 75 (B), barcelona 70 (UNE 23400), guillemin, threaded, or other
- Hydrant DN 100 available with different outlets: storz 110 (C), barcelona 100 (UNE 23400), guillemin, threaded, or other
- Connection to the pipeline through a mobile flange
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with 4 O-rings and a bottom joint in EPDM
- Round EPDM bonnet gasket fixed in a recess ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Protective box with cover and lock for restricted access to authorized services
- Protective box may be buried, but the access cover must remain above ground
- On request possibility of AISI 316L stainless steel spindle, NBR sealings, and other types of outlets for hose coupling are possible
- Cover and protective box available in other colors, customization on the protective box's cover with inscriptions and logo in high relief with minimal quantities.



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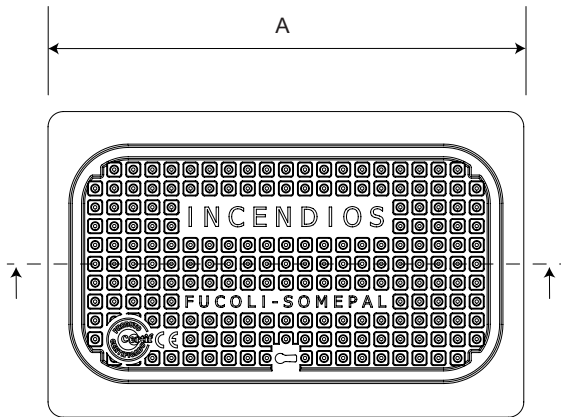
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UNDERGROUND FIRE HYDRANT DN 80 - 100 PN16

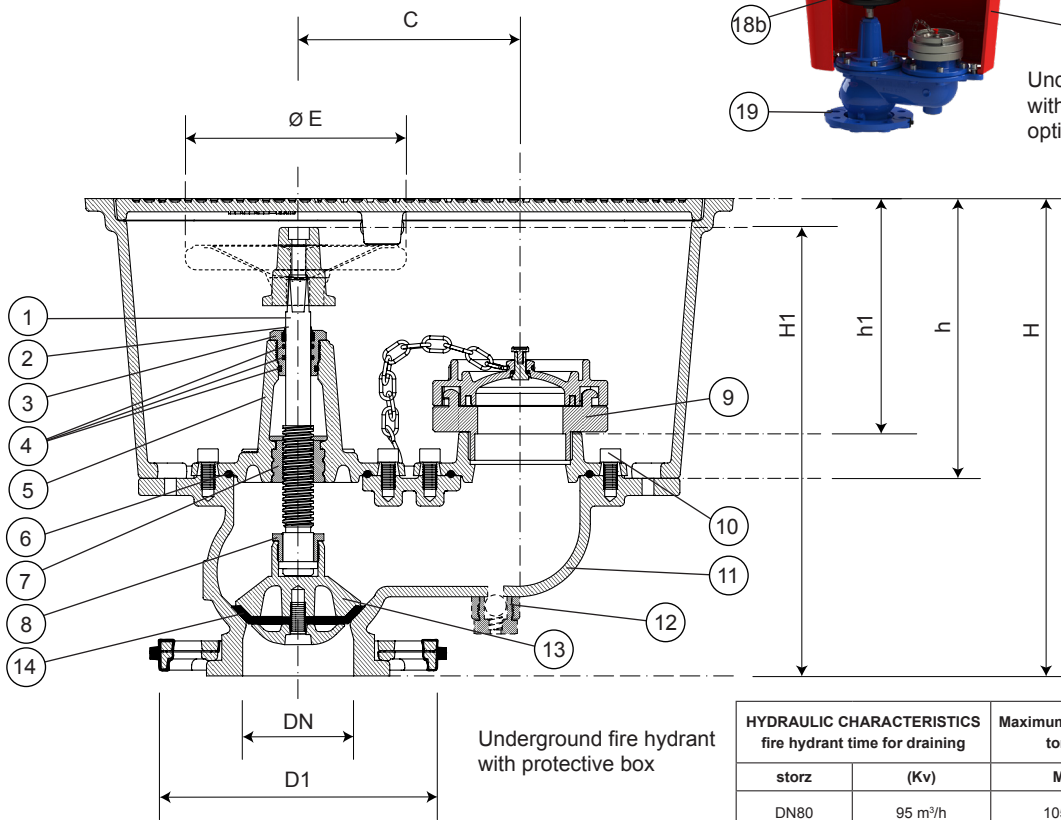
07.300



Underground fire hydrant with protective box option with stem cap



Underground fire hydrant with protective box option with handwheel



Underground fire hydrant with protective box

HYDRAULIC CHARACTERISTICS		Maximum operating torque	Minimum torque resistance
fire hydrant time for draining			
storz	(Kv)	MOT	mST
DN80	95 m ³ /h	105 Nm	210 Nm
DN100	184 m ³ /h	130 Nm	260 Nm

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Gland	Brass	EN 12164
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Cover	Ductile iron EN-GJS-500-7	EN 1563
6	Bonnet gasket	Elastomer EPDM WA	EN 681 - 1
7	Stem nut	Brass	EN 12164
8	Obturator nut	Brass	EN 12164
9	Storz 75 cap	Aluminum AISI 12	EN 1706
10	Bolts	Stainless steel A2	EN 10088 - 1
11	Body	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
12	Automatic ball drain (option)	Brass	-
13	Obturator	Ductile iron EN-GJS-500-7	EN 1563
14	Obturator joint	Elastomer EPDM WA	EN 681 - 1
15	Fecho	Brass	CB754S
16	Protective box cover	Ductile iron EN-GJS-500-7	EN 1563
17	Protective box	Ductile iron EN-GJS-500-7	EN 1563
18a	Stem cap	Ductile iron EN-GJS-500-7	EN 1563
18b	Handwheel	Printed stell ST W24	EN 10111 and 10130
19	Flange	Ductile iron EN-GJS-500-7	EN 1563

continued on next page

UNDERGROUND FIRE HYDRANT DN 80 - 100 PN16

07.300



continued from previous page

Underground fire hydrant DN 80

Reference and dimensions

DN	code	Water outlet	stem cap	handwheel	D1 mm	H mm	H1		h mm	h1 mm	A mm	B mm	C mm	øE mm	turns to open	Kg approx.
							open	close								
Hydrant with protective box																
80	11209430	Storz 75			200	344	-	-	202	147	476	300	160	-	9	37
80	11209430DAD	Storz 75	•		200	344	368	328	202	147	476	300	160	-	9	37
80	11209430VOL	Storz 75		•	200	344	348	308	202	147	476	300	160	150	9	37
80	-	Barcelona 70			200	344	-	-	202	147	476	300	160	-	9	37
80	11209411	Barcelona 70	•		200	344	368	328	202	147	476	300	160	-	9	37
80	-	Barcelona 70		•	200	344	348	308	202	147	476	300	160	150	9	37
Hydrant without protective box																
80	11209450	Storz 75			200	-	-	-	-	-	-	-	160	-	9	15
80	-	Storz 75	•		200	-	368	328	-	-	-	-	160	-	9	15
80	-	Storz 75		•	200	-	348	308	-	-	-	-	160	150	9	15
80	-	Barcelona 70			200	-	-	-	-	-	-	-	160	-	9	15
80	-	Barcelona 70	•		200	-	-	-	-	-	-	-	160	-	9	15
80	-	Barcelona 70		•	200	-	-	-	-	-	-	-	160	150	9	15
Protection box of underground fire hydrant																
80	11209480	-	-	-	-	-	-	-	202	-	476	300	-	-	-	22

Option with automatic ball drain, add "P" to the underground fire hydrant
Also available in the option " w/ bend with foot DN 80" [for dimensions and more information see technical sheet 10.1004]

Underground fire hydrant DN 100

Reference and dimensions

DN	code	Water outlet	stem cap	handwheel	D1 mm	H mm	H1		h mm	h1 mm	A mm	B mm	C mm	øE mm	turns to open	Kg approx.
							open	close								
Hydrant with protective box																
100	11209460	Storz 110			220	376	-	-	202	117	560	346	214	-	10	47
100	11209460DAD	Storz 110	•		220	376	404	360	202	117	560	346	214	-	10	47
100	11209460VOL	Storz 110		•	220	376	387	343	202	117	560	346	214	200	10	47
100	-	Barcelona 100			220	376	-	-	202	117	560	346	214	-	10	47
100	11209440	Barcelona 100	•		220	376	404	360	202	117	560	346	214	-	10	47
100	-	Barcelona 100		•	220	376	387	343	202	117	560	346	214	200	10	47
Hydrant without protective box																
100	-	Storz 110			220	-	-	-	-	-	-	-	214	-	10	24
100	11209475	Storz 110	•		220	-	368	328	-	-	-	-	214	-	10	24
100	-	Storz 110		•	220	-	348	308	-	-	-	-	214	200	10	24
100	-	Barcelona 100			220	-	-	-	-	-	-	-	214	-	10	24
100	-	Barcelona 100	•		220	-	368	328	-	-	-	-	214	-	10	24
100	-	Barcelona 100		•	220	-	348	308	-	-	-	-	214	200	10	24
Protection box of underground fire hydrant																
100	11209490	-	-	-	-	-	-	-	202	-	560	346	-	-	-	23

Option with automatic ball drain, add "P" to the underground fire hydrant
Also available in the option " w/ bend with foot DN 80" [for dimensions and more information see technical sheet 10.1004]



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100% MADE IN EUROPE
Ed.8 Rev. 5 3/3



Product description

- Floor hydrant EUROPA for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Floor hydrant valve designed according to EN 1074 part 1 & 2
- Flange drilling to EN 1092-2 PN10/16

Tests

All floor hydrants are individually hydrostatically tested according to EN 1074-1/2

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

Floor hydrant

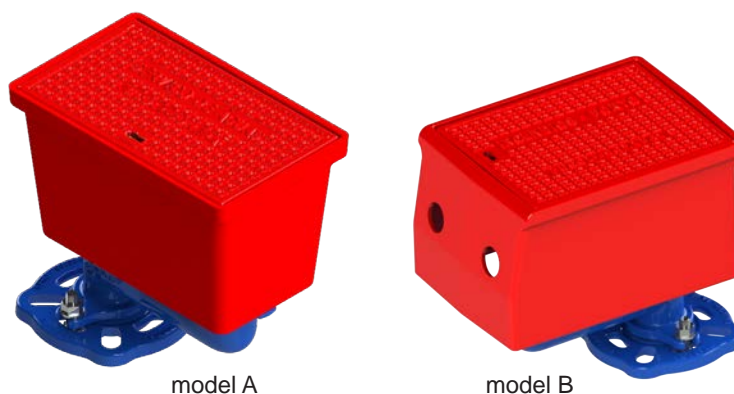
- Epoxy powder coating RAL 5005 (blue)
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Protective box and bonnet

- Red-colored protective box and cover coating RAL 3000
- Interior and exterior coating of the box and cover cover in polyester UV-resistant, with a minimum coating thickness of 250 µm

Features

- Floor hydrant with soft sealing gate valve incorporated, for installation on sidewalks or gardens, to supply water for irrigation or cleaning
- Full bore and handling made through soft sealing gate valve
- Available in a variety of outlets for connecting hose types storz 52 (C), Barcelona type (UNE 23400), threaded, or other
- Equipped with handwheel for easy maneuver
- Connecting to the pipeline with universal flange DN 40/50/60/65 or BSP G 1 ½" female thread
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Protective box with cover and lock for restricted access to authorized services
- Protective box available in two different models, one for installation in the sidewalks (model A) and the other on the kerb of the sidewalk (model B)
- Protective box that is underground and has the access cover at the ground's surface
- On request possibility of AISI 316L stainless steel spindle, NBR sealings, and other types of outlets for hose coupling are possible
- Cover and protective box available in other colors, customization on the protective box's cover with inscriptions and logo in high relief with minimal quantities.



model A

model B

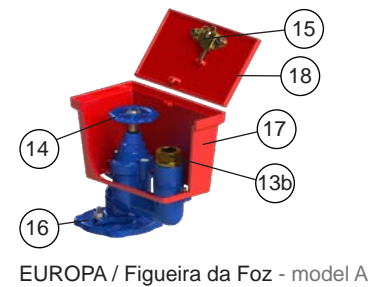
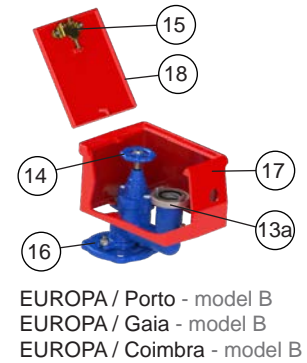
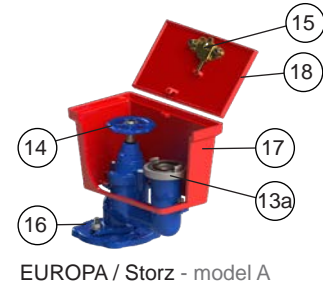
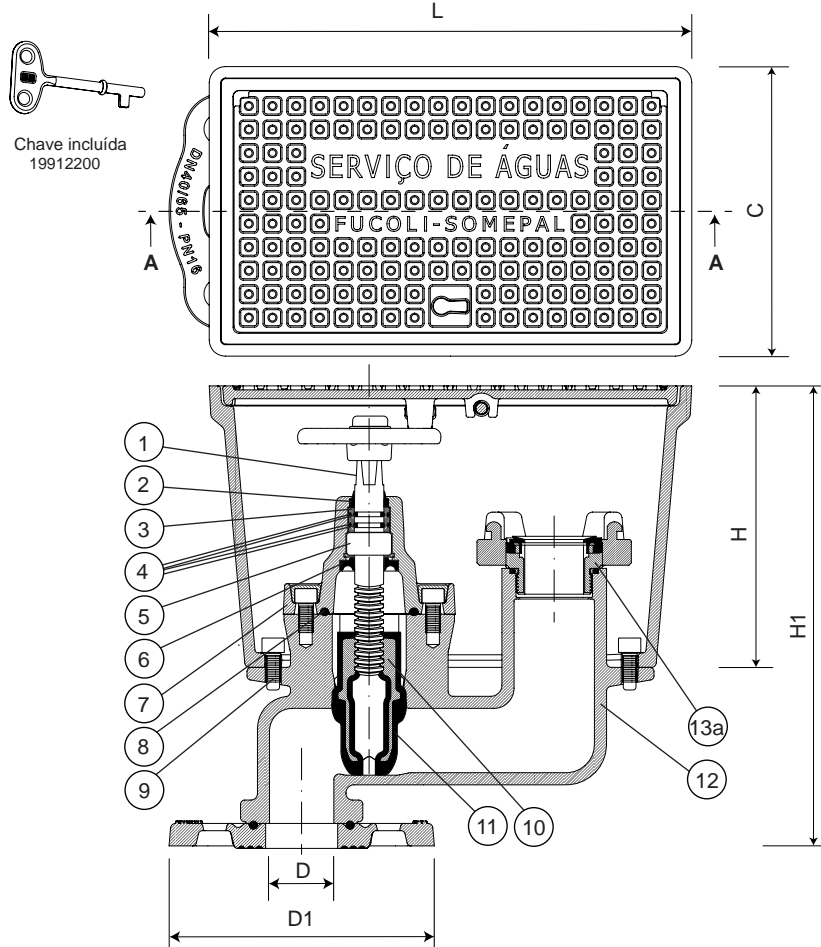


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Inferior joint	Elastomer EPDM	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bonnet gasket	Elastomer EPDM	EN 681 - 1
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Wedge	Brass	EN 12164
11	Wedge covering	Elastomer EPDM	EN 681 - 1

pos.	components	material	standard
12	Body	Ductile iron EN-GJS-500-7	EN 1563
13a	Storz	Aluminum AISI 12	EN 1706
13b	Thread	Brass	EN 12164
14	Handwheel	Ductile iron EN-GJS-500-7	EN 1563
15	Lock	Brass	CB754S
16	Flange	Ductile iron EN-GJS-500-7	EN 1563
17	Protective box	Ductile iron EN-GJS-500-7	EN 1563
18	Cover	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

model	designation	code	DN	Inlet D (BSP)	Outlet type	D1 mm	H mm	H1 mm	L mm	C mm	turns to open	Kg approx.
A	EUROPA / Storz	19912090	40/50/60/65	G 1 1/2"	Storz 52	185	175	292	300	182	10	18
B	EUROPA / Porto	19912096APO	40/50/60/65	G 1 1/2"	Storz 52	185	177	294	309	230	10	20
B	EUROPA / Gaia	19912096AGG	40/50/60/65	G 1 1/2"	Storz 52	185	177	294	309	230	10	20
B	EUROPA / Coimbra	19912096ABR	40/50/60/65	G 1 1/2"	Storz 52	185	177	294	309	230	10	20
A	EUROPA / Figueira da Foz	19912094	40/50/60/65	G 1 1/2"	W 2 1/8"	185	175	292	300	182	10	18
-	Key for floor hydrant EUROPA	19912200	40/50/60/65	-	-	-	-	-	-	-	-	0.1



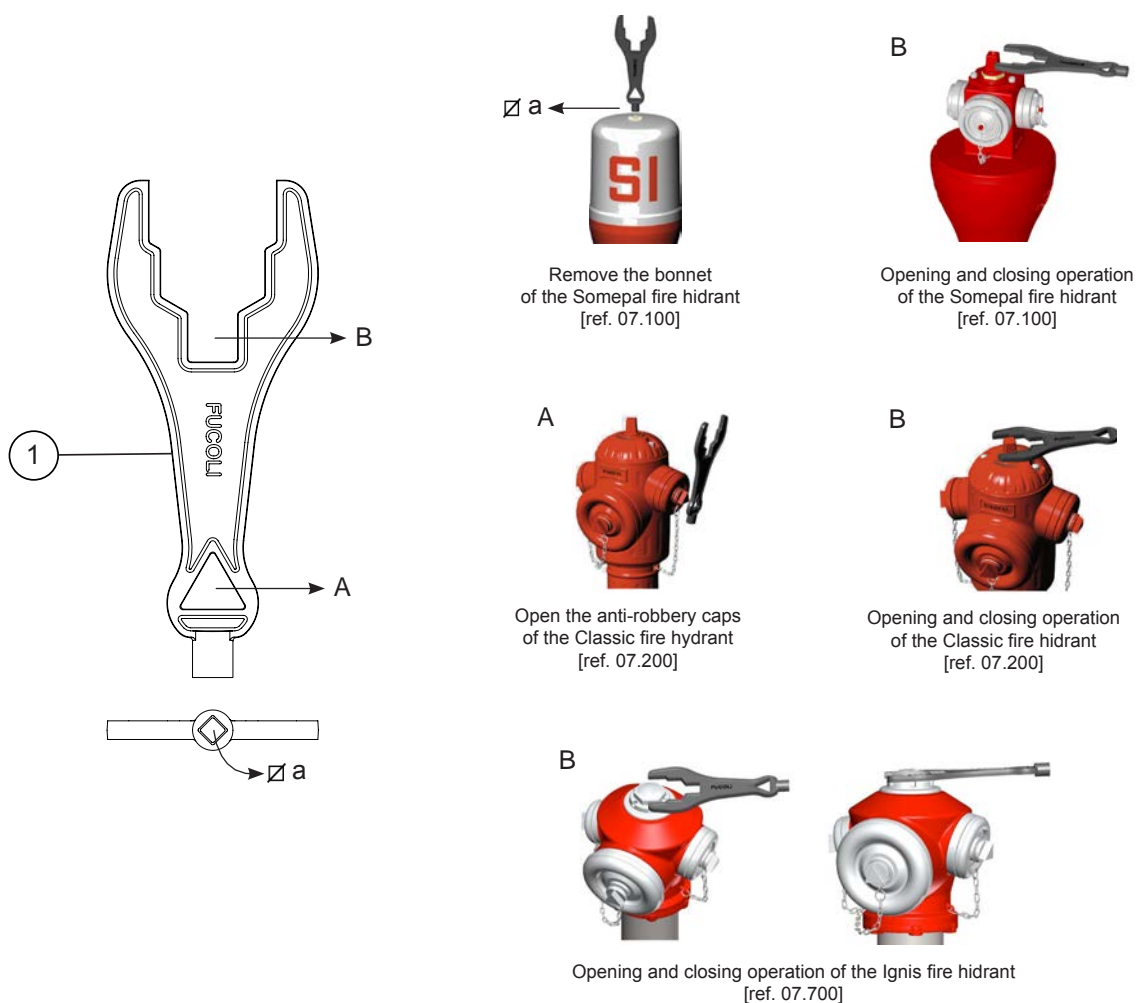
**Products description**

- Key to open fire hydrant
- Available in 2 models:
 - A. Universal maneuver key, allows the firemen corporations operating all the SOMEPAL, CLASSIC and IGNIS fire hydrants
 - B. Key for inviolable blank caps.





A . Universal maneuver key for SOMEPAL and CLASSIC fire hydrants



Component list

pos.	components	material	standard
1	Key	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

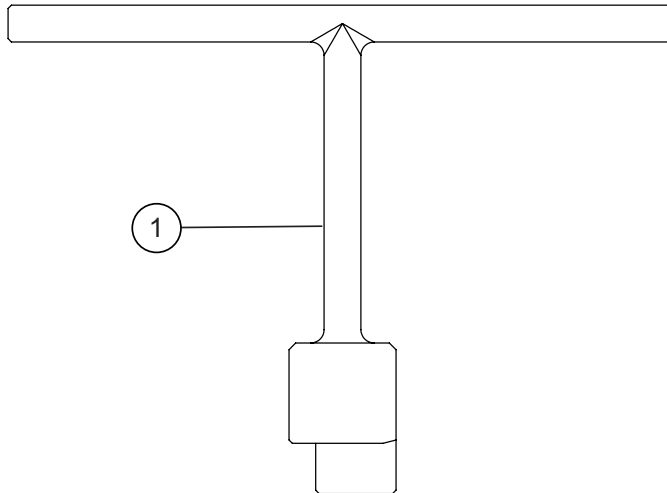
code	designation	∅ a mm	Kg approx.
11212000	Replacement fuse kit (Somepal and Classic)	14	2

continued on next page



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B . Key for inviolable blank caps



Inviolable blank caps
of the Classic fire hydrant
[ref. 07.200]

Component list

pos.	components	material	standard
1	Key	Stainless steel	EN 10088 - 1

Reference and dimensions

code	designation	Kg approx.
11209065	Key for inviolable blank caps	1





Products description

- Replacement kit for fire hydrant
- Protection against rupture by “Fusible flange”
- In case of fire hydrant rupture caused by an occasional impact, a water leakage does not exist
- The sectioning of the hydrant is done by a fuse of the flange (fire hydrant separate items)
- The repair consists in replacement of fusible flange
- This repair is quick and of the low price
- Available in 2 models:
 - A. Replacement fuse kit SOMEPAL and CLASSIC
 - B. Replacement fuse kit IGNIS.



(A)



(B)



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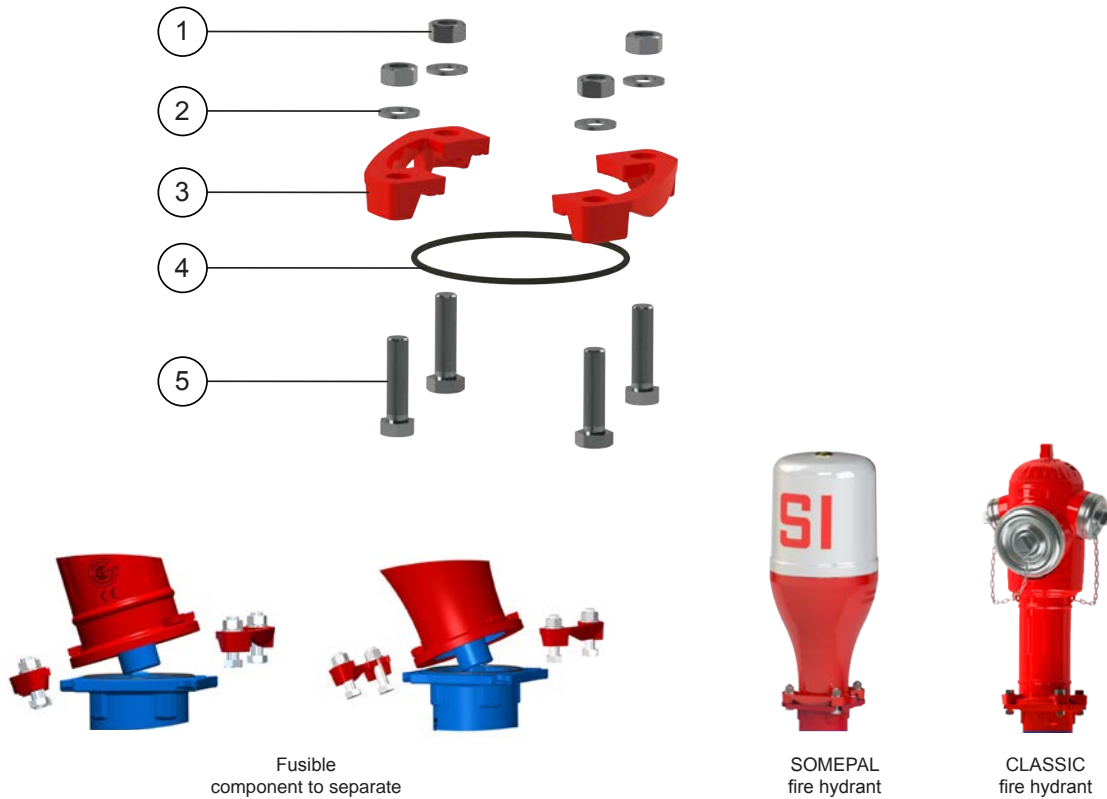
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A . Replament fuse kit SOMEPAL and CLASSIC



Component list

pos.	components	material	standard
1	Nut (4x)	Stainless steel A4	EN 10088 - 1
2	Washer (4x)	Stainless steel A2	EN 10088 - 1
3	Flange fuse (2x)	Ductile iron EN-GJS-500-7	EN 1563
4	O-ring (1x)	Elastomer EPDM	EN 681 - 1
5	Bolt (4x)	Stainless steel A2	EN 10088 - 1

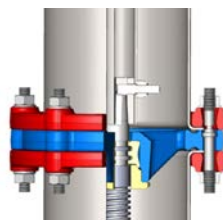
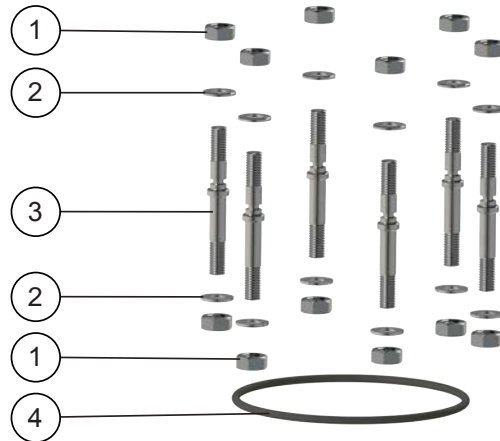
Reference and dimensions

code	designation	Kg approx.
11212000	Replacement fuse kit (Somepal and Classic)	2



continued from previous page

B . Replament fuse kit IGNIS



Fusible
component to separate



IGNIS
fire hydrant

Component list

pos.	components	material	standard
1	Nut (12x)	Stainless steel A4	EN 10088 - 1
2	Washer (12x)	Stainless steel A2	EN 10088 - 1
3	Threaded bolt fuse (6x)	Stainless steel A2	EN 10088 - 1
4	O-ring (1x)	Elastomer EPDM	EN 681 - 1

Reference and dimensions

code	designation	Kg approx.
11212015	Replacement fuse kit (Ignis)	2



WALL FIRE PLUG for fire fighting

07.600

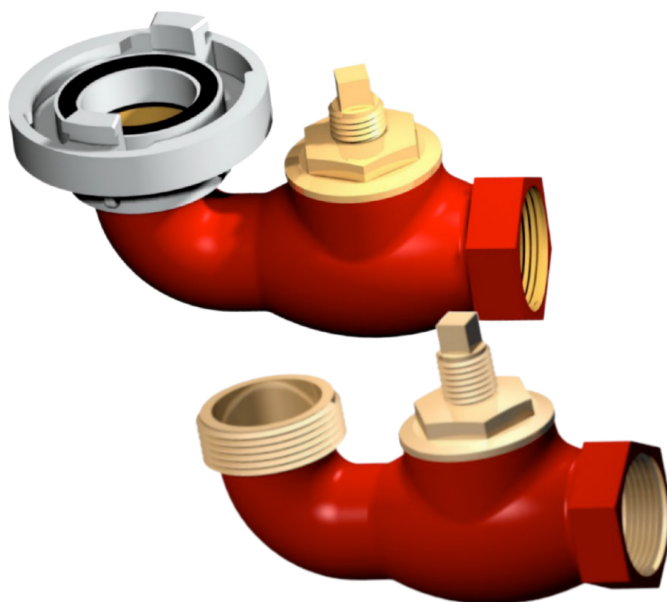


Product description

- Wall fire plug

Features

- Body and top sealing in brass
- Top sealing are easy to replace
- Maximum working pressure 16 bar
- Painting in RAL 3000.
- Available in 2 models:
 - A. Storz outlet
 - B. Thread outlet



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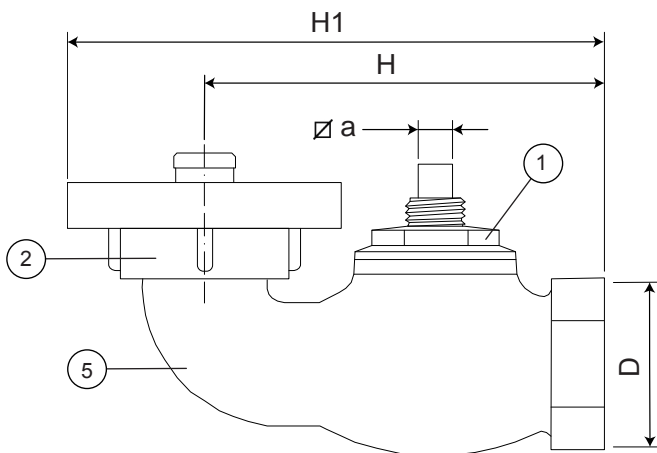
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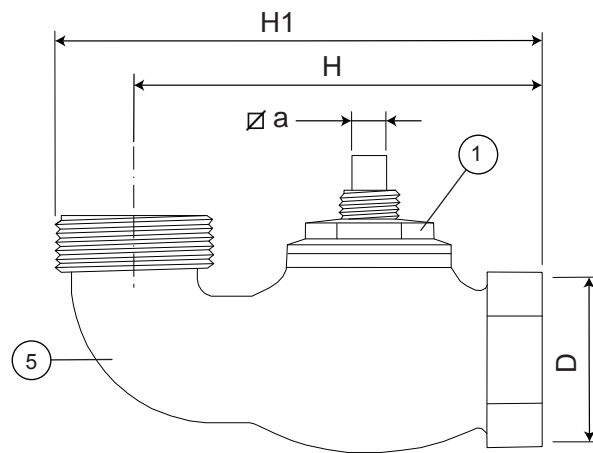
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Ed.8 Rev. 0
02-2022

Being one of the main objectives of our company the development and satisfaction of our customers, we reserve the right to update, change or replace the specifications presented without prior notice.



For wall without branch / storz



For wall without branch / thread

Component list

pos.	components	material	standard
1	Top sealing	Brass	EN 1982
2	Body	Brass	EN 1982
	Obturator	Brass	EN 1982
	Sealing	Elastomer EPDM	EN 681-1
5	Fire hose coupling storz	Stainless steel AISI 12	EN 1706

Reference and dimensions

code	designation	Inlet D (BSP)	Outlet	∅ a mm	H mm	H1 mm	Kg approx.
10509060	For wall without branch / storz	G 1 1/2"	Storz 52	13	142	186	2
10509010	For wall without branch / thread	G 1 1/2"	W 2 1/8"	13	142	186	2





FIRE PLUG WITH SOFT SEALING GATE VALVE

Product description

- Fire plug with soft sealing gate valve for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Internal and external parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1
- Storz outlet according to DIN 14311

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

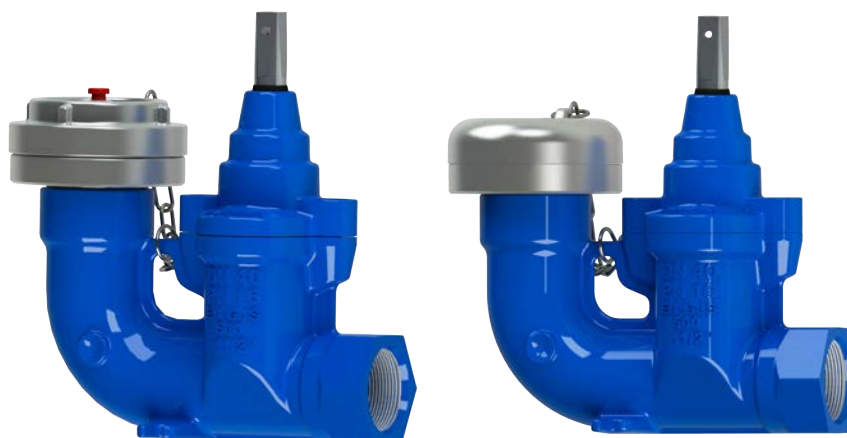
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Full bore
- Low operating torque
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Storz 52 outlet that can be equipped with a storz outlet with purgador or with storz inviolable blank cap
- Accessories: handwheel [ref.05.100] and stem cap [ref. 05.200]
- On request possibility of stem in stainless steel AISI 316L or with different water outlets.



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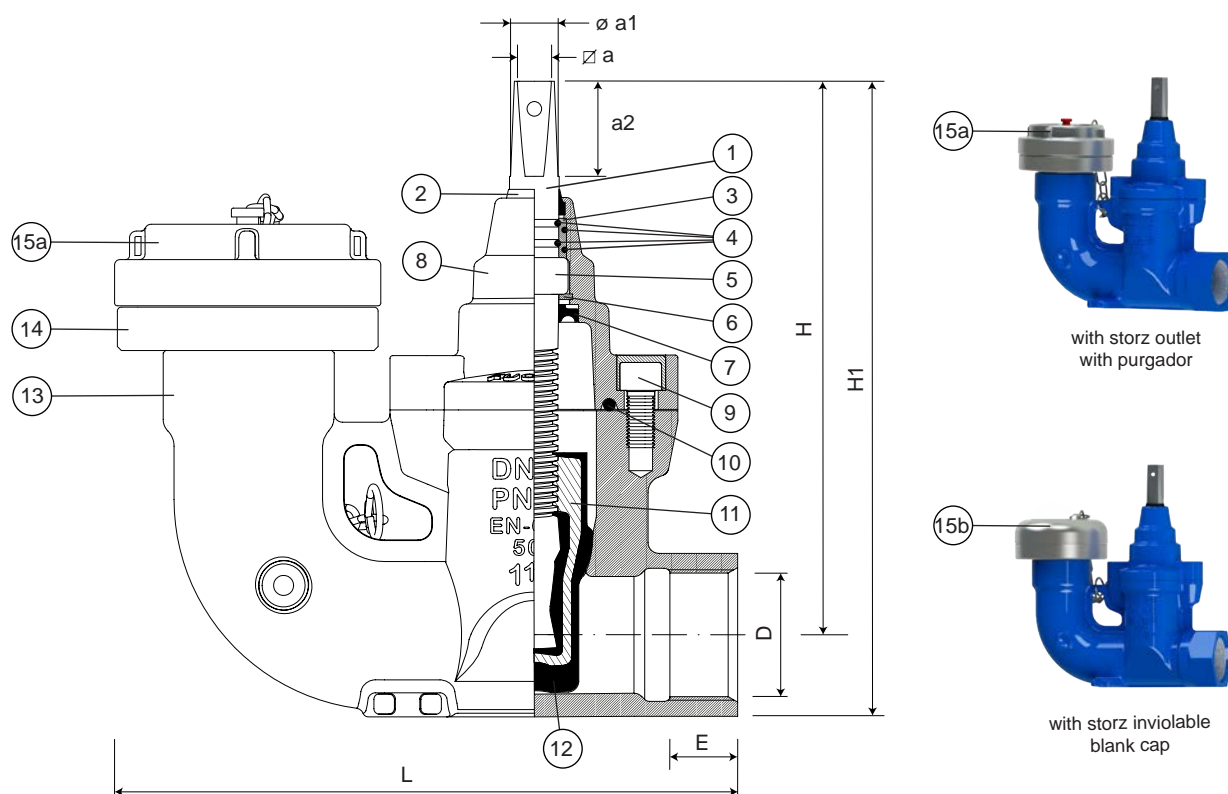
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FIRE PLUG WITH SOFT SEALING GATE VALVE



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge	Brass	EN 12164
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Storz hose Couplings	Aluminium AISI 12	EN 1706
15a	Bonnet storz outlet with purgator	Aluminium AISI 12	EN 1706
15b	Bonnet storz inviolable blank cap	Aluminium AISI 12	EN 1706

Reference and dimensions

code	designation	Inlet D (BSP)	Outlet type	L mm	E mm	H mm	H1 mm	∅ a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
11209810	Fire plug with storz outlet with purgator	G 1 1/2"	Storz 52	230	25	204	234	13.1	18	35	10	6
11209820	Fire plug with storz inviolable blank cap	G 1 1/2"	Storz 52	137	25	204	234	13.1	18	35	10	6



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100% MADE IN EUROPE



Product description

- Fire hydrant series IGNIS prepared for water supply in firefighting, supply of potable water and filtered neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C
- Maximum allowable operating pressure (PFA); Allowable maximum operating pressure PN20 (PMA); Allowable test pressure PN25 (PEA)

Standards

- Designed according to EN14384 and EN 1074-6
- Flange drilling to EN 1092-2

Tests

All fire hydrant are individually hydrostatically tested according to EN 1074-6 and EN 14384

Corrosion protection

- Epoxy coating inside and outside, approved for potable water, with a minimum thickness of 250 µm, approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines; the exterior above the ground line is coated with a second finish in enamel and polyurethane, in a red color resistant to UV rays

Approvals

- Certified according to EN 14384: Certif certificate ESI-002/2023
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0065
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- For water supply in fire fighting and supply of drinking water and neutral liquids
- Simple installation and quick operation
- When installed and after loosening the fusible flange bolts, they allow the upper body to rotate 360°
- Standard version supplied with stork anti-theft cap, also available with inviolable blank cap and guillemin cap
- Easy maintenance, with removable sealing system, without having to remove the hydrant from the pipeline
- In the event of an occasional impact that causes a break, sectioning of the frame occurs through the fracture of the fuse flange, allowing its repair under load using only the replacement kit
- Fire frame comes equipped with an integrated drainage system (dry column - Type C). When the column is closed, it automatically empties. Landmark drain time 6,4 minutes
- Fire frame supplied as standard with DN100 double flanged 90° duckfoot bend, on request it can be supplied with movable flanged uPVC socket 90° duckfoot bend, on request it can be supplied with flanged reduction bend of DN100/80, or flange/mouth bend for PVC pipe DN100/110 or DN100/90 with duckfoot
- Accessories: key for fire hydrants [ref.07.500], key for inviolable blank caps [ref. 07.500] and replacement kit [ref. 07.501]
- On request, the fire hydrant can be supplied in other colors; with red bonnet; stem in stainless steel AISI 316L or other; inviolable blank cap or seals in NBR.

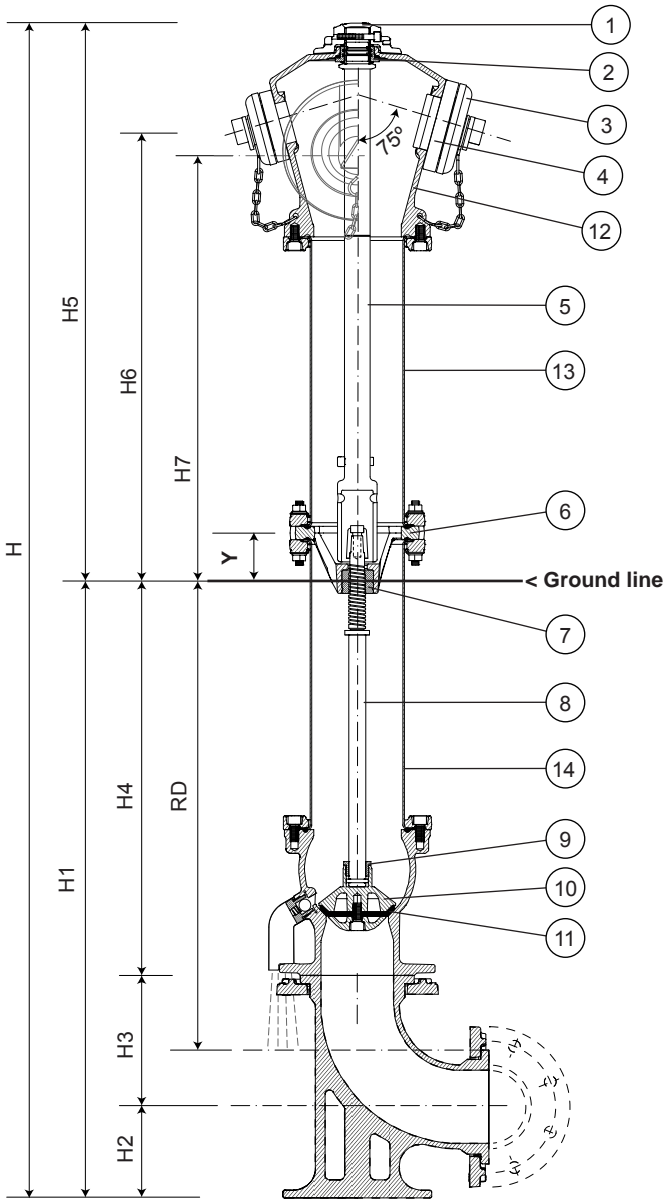


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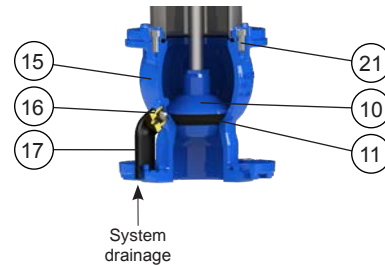
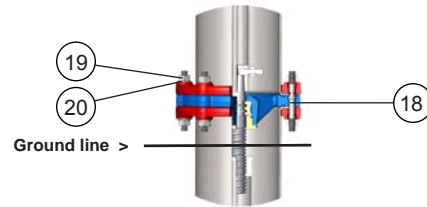
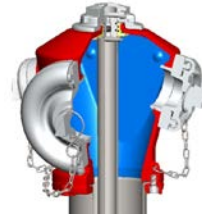
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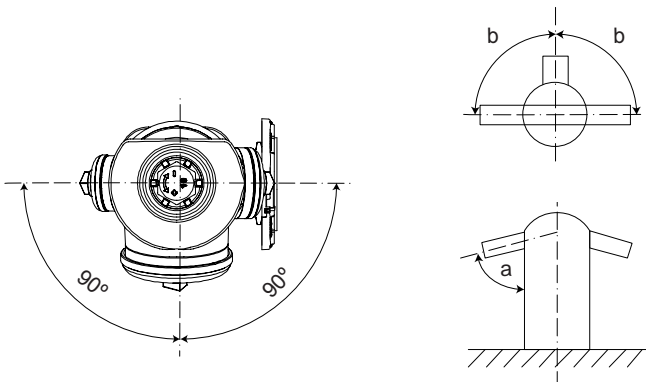


Terms of use

- Allowable operating pressure (PFA) 16 bar
- Number of turns to open fully: 10 turns left
- Drain valve maximum flow time 6,4 min/m
- Volume of retained water 20 ml
- Maximum operating torque (MOT): 125Nm
- Minimum strength torque (mST): 250Nm



Fire hydrant Ignis illustrated option A - Double flanged 90° duckfoot bend DN100



a	b
75° ± 5°	180° ± 5°

HIDRAULIC CHARACTERISTICS	
Minimum flow coefficient for different connection types and MI height	
storz	(Kv)
52 (DN 50)	64
75 (DN 65)	116
110 (DN 100)	160

continued on next page



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Component list

pos.	components	material	standard
1	Opening nut	Aluminum	-
2	Upper body gland	Brass	EN 12164
3	Storz cap	Aluminum	-
4	Storz coupling	Aluminum	-
5	Upper stem rod	Ductile iron EN-GJS-500-7	EN 1563
6	Support	Ductile iron EN-GJS-500-7	EN 1563
7	Wedge nut	Brass	EN 12164
8	Stem	Stainless steel AISI 420	EN 10088 - 1
9	Obturator fixed nut	Brass	EN 12164
10	Obturator	Ductile iron EN-GJS-500-7	EN 1563
11	Obturator joint	Elastomer EPDM WA	EN 681 - 1
12	Body superior	Ductile iron EN-GJS-500-7	EN 1563
13	Superior pipe body	Stainless steel AISI 304	EN 10088 - 1
14	Inferior pipe body	Stainless steel AISI 304	EN 10088 - 1
15	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
16	Automatic ball drain	Brass	-
17	Drain pipe	PE	-
18	Flange fuse	Ductile iron EN-GJS-500-7	EN 1563
19	Nuts	Stainless steel A4	EN 10088 - 1
20	Washers	Stainless steel A2	EN 10088 - 1
21	Bolts	Stainless steel A2	EN 10088 - 1

Reference and dimensions

Key:
RD - Mounting depth. From the ground line to the pipeline

DN	code	RD mm	Y mm	H mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	H6 mm	H7 mm	water outlets			turns to open	Kg approx.
												type	front	side		
100	11220010	670	60	1610	845	125	180	540	760	620	590	Storz	110	75 52	10	44
100	11220010INV	670	60	1610	845	125	180	540	760	620	590	Storz	110	75 52	10	44
100	11220040	670	60	1610	845	125	180	540	760	620	590	Storz	75	52 52	10	44
100	11220040INV	670	60	1610	845	125	180	540	760	620	590	Storz	75	52 52	10	44
100	11220510	670	60	1610	845	125	180	540	760	620	590	Guillemin	100	65 65	10	44
100	11220505	670	60	1610	845	125	180	540	760	620	590	Guillemin	80	40 40	10	44
100	11220015	1000	60	1940	1180	125	180	870	760	620	590	Storz	110	75 52	10	45
100	11220015INV	1000	60	1940	1180	125	180	870	760	620	590	Storz	110	75 52	10	45
100	11220045	1000	60	1940	1180	125	180	870	760	620	590	Storz	75	52 52	10	45
100	11220045INV	1000	60	1940	1180	125	180	870	760	620	590	Storz	75	52 52	10	45
100	11220020	1250	60	2190	1430	125	180	1120	760	620	590	Storz	110	75 52	10	46
100	11220020INV	1250	60	2190	1430	125	180	1120	760	620	590	Storz	110	75 52	10	46
100	11220050	1250	60	2190	1430	125	180	1120	760	620	590	Storz	75	52 52	10	46
100	11220050INV	1250	60	2190	1430	125	180	1120	760	620	590	Storz	75	52 52	10	46
100	11220025	1500	60	2440	1680	125	180	1370	760	620	590	Storz	110	75 52	10	47
100	11220025INV	1500	60	2440	1680	125	180	1370	760	620	590	Storz	110	75 52	10	47
100	11220055	1500	60	2440	1680	125	180	1370	760	620	590	Storz	75	52 52	10	47
100	11220055INV	1500	60	2440	1680	125	180	1370	760	620	590	Storz	75	52 52	10	47
Fire hydrant Ignis AISI 316																
100	11220011	670	60	1610	851	125	180	702	759	603	569	Storz	110	75 52	10	44
100	11220041	670	60	1610	851	125	180	702	759	603	569	Storz	75	52 52	10	44
100	11220016	1000	60	1942	878	125	180	1034	759	603	569	Storz	110	75 52	10	45
100	11220046	1000	60	1942	878	125	180	1034	759	603	569	Storz	75	52 52	10	45

continued on next page - Duckfoot bend

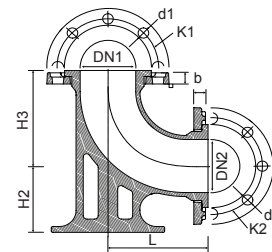


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Option A - Double flanged 90° duckfoot bend



Double flanged 90° duckfoot bend [ref.10.1004]

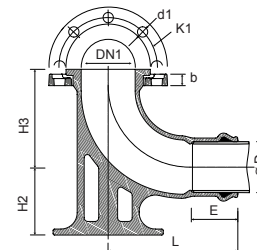


DN1 DN2	PN	code	L mm	H2 mm	H3 mm	K1 mm	n° x d1 mm	K2 mm	n° x d2 mm	b mm	Kg approx.
100	10/16	10001065	180	125	180	180	8 x 19	180	8 x 19	21	16
100 80	10/16	100010651	180	125	180	180	8 x 19	160	8 x 19	21	15

Option B - Movable flanged uPVC socket 90° duckfoot bend



On request movable flanged uPVC socket 90° duckfoot bend [ref.10.104]



DN1	Ø D ext. PVC	PN	code	L mm	E min	H2 mm	H3 mm	K1 mm	n° x d1 mm	b mm	Kg approx.
100	90	10/16	10001064	240	86	125	305	180	8 x 19	19	14
100	110	10/16	10001066	260	115	125	305	180	8 x 19	19	15





Product description

- Tapping saddle series BRAC PRO for uPVC/PE pipes for drinking water, neutral liquids and wastewater treatment
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according to ISO 1452-2
- For PE pipes according to EN 12201 and DIN 8074
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Tapping saddle designed to allow the execution of branches in uPVC/PE easily and without the need for maintenance
- Tapping saddle internal parallel BSP thread gas type, designed with an adequate depth so that the installation of the branch is possible to carry out in a reliable, lasting way and without water loss
- Tapping saddle with robust design and long body that ensures its perfect fixation to the pipe and prevents it from shifting or turning after installation
- Internal surface of the tapping saddle fully coated with drinking water approved EPDM, surrounding the entire outside diameter of the pipe
- Gasket sealing system with 5 integrated O-rings in the area of the clamp branch which ensure a perfect sealing
- Bolts in stainless steel A2
- On request possibility of bolts and washers in stainless steel A4, NBR sealing or other elastomer.



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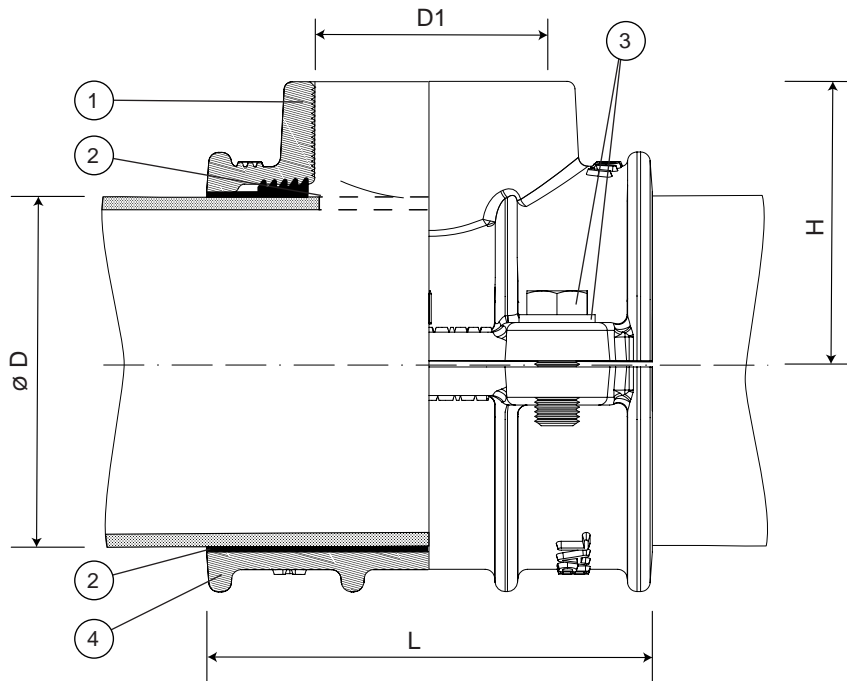
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SADDLE BRAC PRO
for uPVC/PE pipes
 DN 50 - DN 400 PN10/16/25

08.100



Component list

pos.	components	material	standard
1	Body superior	Ductile iron EN-GJS-500-7	EN 1563
2	Sealings	Elastomer EPDM	EN 681 - 1
3	Bolts and Washers	Stainless steel A2	EN 10088 - 1
4	Body inferior	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Ø D	D1	code	L	H	Kg
ext. PE/PVC	(BSP)		mm	mm	approx.
50	G ¾"	10480011	100	49	2
50	G 1"	10480012	100	49	2
50	G 1 ¼"	10480013	100	49	2
50	G 1 ½"	10480014	100	49	2
63	G ¾"	10480021	100	56	2
63	G 1"	10480022	100	56	2
63	G 1 ¼"	10480023	100	58	2
63	G 1 ½"	10480024	100	58	2
63	G 2"	10480025	100	62	2
75	G ¾"	10480031	120	63	3
75	G 1"	10480032	120	63	3
75	G 1 ¼"	10480033	120	65	3
75	G 1 ½"	10480034	120	65	3
75	G 2"	10480035	120	69	3
90	G ¾"	10480041	120	71	3
90	G 1"	10480042	120	71	3
90	G 1 ¼"	10480043	120	73	3
90	G 1 ½"	10480044	120	73	3
90	G 2"	10480045	120	77	3
90	G 2 ½"	10480046	120	77	3

Ø D	D1	code	L	H	Kg
ext. PE/PVC	(BSP)		mm	mm	approx.
110	G ¾"	10480051	140	82	4
110	G 1"	10480052	140	82	4
110	G 1 ¼"	10480053	140	84	4
110	G 1 ½"	10480054	140	84	4
110	G 2"	10480055	140	88	4
110	G 2 ½"	10480056	140	88	5
110	G 3"	10480057	140	88	5
125	G ¾"	10480061	160	88	5
125	G 1"	10480062	160	88	5
125	G 1 ¼"	10480063	160	90	5
125	G 1 ½"	10480064	160	90	6
125	G 2"	10480065	160	94	6
125	G 2 ½"	10480066	160	94	7
125	G 3"	10480067	160	94	6
140	G ¾"	10480071	160	95	6
140	G 1"	10480072	160	95	6
140	G 1 ¼"	10480073	160	97	6
140	G 1 ½"	10480074	160	97	6
140	G 2"	10480075	160	101	6
140	G 2 ½"	10480076	160	101	7
140	G 3"	10480077	160	101	7

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SADDLE BRAC PRO
for uPVC/PE pipes
 DN 50 - DN 400 PN10/16/25

08.100



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∅ D ext. PE/PVC	D1 (BSP)	code	L mm	H mm	Kg approx.
160	G ¾"	10480081	170	107	7
160	G 1"	10480082	170	107	7
160	G 1 ¼"	10480083	170	109	7
160	G 1 ½"	10480084	170	109	7
160	G 2"	10480085	170	113	7
160	G 2 ½"	10480086	170	113	7
160	G 3"	10480087	170	113	8
180	G ¾"	10480089	170	117	8
180	G 1"	10480088	170	117	8
180	G 1 ¼"	10480090	170	119	8
180	G 1 ½"	10480098	170	119	8
180	G 2"	10480099	170	123	8
200	G ¾"	10480091	200	127	10
200	G 1"	10480092	200	127	9
200	G 1 ¼"	10480093	200	129	9
200	G 1 ½"	10480094	200	129	9
200	G 2"	10480095	200	133	10
200	G 2 ½"	10480096	200	133	10
200	G 3"	10480097	200	133	10
225	G ¾"	10480103	200	140	13
225	G 1"	10480104	200	140	13
225	G 1 ¼"	10480105	200	142	13
225	G 1 ½"	10480106	200	142	13
225	G 2"	10480107	200	146	13
225	G 2 ½"	10480108	200	146	13
225	G 3"	10480109	200	146	13

∅ D ext. PE/PVC	D1 (BSP)	code	L mm	H mm	Kg approx.
250	G ¾"	10480111	200	152	14
250	G 1"	10480112	200	152	15
250	G 1 ¼"	10480113	200	154	14
250	G 1 ½"	10480114	200	154	14
250	G 2"	10480115	200	158	14
250	G 2 ½"	10480116	200	158	16
250	G 3"	10480117	200	158	14
280	G ¾"	10480123	200	167	17
280	G 1"	10480124	200	167	17
280	G 1 ¼"	10480125	200	169	16
280	G 1 ½"	10480126	200	169	16
280	G 2"	10480127	200	173	15
280	G 2 ½"	10480128	200	173	18
280	G 3"	10480129	200	173	17
315	G ¾"	10480131	200	185	17
315	G 1"	10480132	200	185	18
315	G 1 ¼"	10480133	200	187	17
315	G 1 ½"	10480134	200	187	17
315	G 2"	10480135	200	191	17
315	G 2 ½"	10480136	200	191	18
315	G 3"	10480137	200	191	17
400	G ¾"	10480151	200	228	23
400	G 1"	10480152	200	228	22
400	G 1 ¼"	10480153	200	230	22
400	G 1 ½"	10480154	200	230	22
400	G 2"	10480155	200	234	21
400	G 2 ½"	10480157	200	234	23
400	G 3"	10480156	200	234	22



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Product description

- Shut-off blade adaptor ATC-PRO for use in drinking water, neutral liquids and and wastewater treatment saddles
- Service temperature from 0°C (excluding frost) to 70°C

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- This shut-off adaptor is prepared with a unimpeded direct passage for G 2" drill
- It allows the execution of branche tap with the pipes under pressure
- Shut-off bladen adaptor with threaded outlet and with shut-off blade closing, for a tapping and drilling operation
- Glass reinforced POM cassette sealed with drinking water approved EPDM gasket for permanent seal once tapping is complete
- Accessories: shutt-off in stainless steel with cast iron handle [code 10480466]
- On request possibility of NBR sealing.



100% MADE IN EUROPE

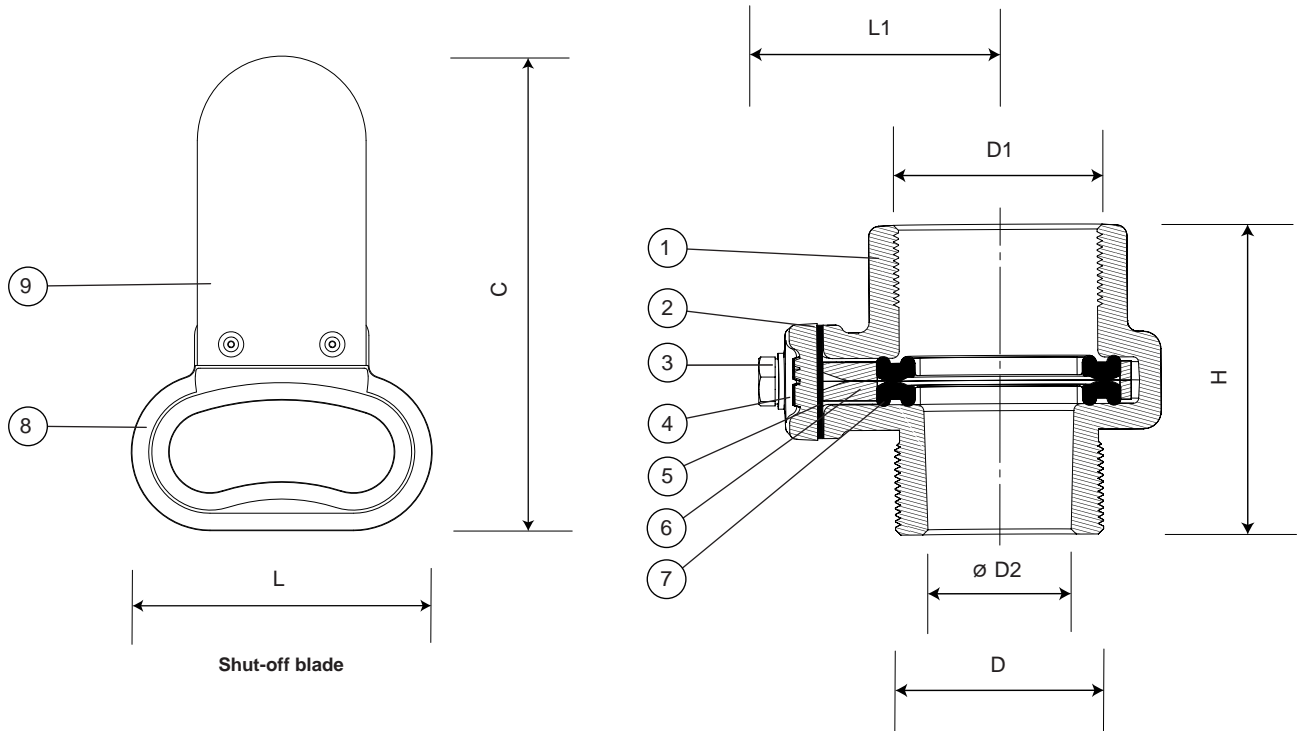


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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Cover	Ductile iron EN-GJS-500-7	EN 1563
3	Bolts	Stainless steel AISI 420	EN 10088 - 1
4	Stem washer	Stainless steel AISI 420	EN 10088 - 1
5	Sealing	Elastomer NBR	EN 681 - 1
6	Cassette	POM	-
7	Sealings	Elastomer EPDM	EN 681 - 1
8	Grip	Ductile iron EN-GJS-500-7	EN 1563
9	Blade	Stainless steel AISI 301	EN 10088 - 1

Reference and dimensions

Shut-off blade			
code	L mm	C mm	Kg approx.
10480466	106.56	168.74	0.3

Shut-off blade adaptor ATC-PRO							
DN	code	D (BSP)	D1 (BSP)	Ø D2 mm	L1 mm	H mm	Kg approx.
2" ½"	10480460	G 2"	G ½"	43	67	88	1
2" ¾"	10480461	G 2"	G ¾"	43	67	88	1
2" 1"	10480462	G 2"	G 1"	43	67	88	2
2" 1 ¼"	10480463	G 2"	G 1 ¼"	43	67	88	2
2" 1 ½"	10480464	G 2"	G 1 ½"	43	67	88	2
2" 2"	10480465	G 2"	G 2"	45	67	88	2



for uPVC/PE pipes

DN 63 - DN 400 PN10

**Product description**

- Saddle with shut-off blade adaptor for uPVC/PE pipes for drinking water, neutral liquids and wastewater treatment
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according to ISO 1452-2
- For PE pipes according to EN 12201 and DIN 8074
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Tapping saddle designed to allow the execution of branches in uPVC/PE with the pipes under pressure easily and without the need for maintenance
- Tapping saddle internal parallel 2" BSP thread gas type, designed with an adequate depth so that the installation of the branch is possible to carry out in a reliable, lasting way and without water loss
- Tapping saddle with robust design and long body that ensures its perfect fixation to the pipe and prevents it from shifting or turning after installation
- Shut-off blade adaptor with threaded outlet and with shut-off blade closing, for a tapping and drilling operation
- Glass reinforced POM cassette sealed with drinking water approved EPDM gasket for permanent seal once tapping is complete
- Internal surface of the tapping saddle fully coated with drinking water approved EPDM, surrounding the entire outside diameter of the pipe
- Gasket sealing system with 5 integrated O-rings in the area of the clamp branch which ensure a perfect sealing
- Bolts in stainless steel A2
- Accessories: shut-off in stainless steel with cast iron handle [code 10480466]
- On request possibility of bolts and washers in stainless steel A4, NBR sealing or other elastomer.



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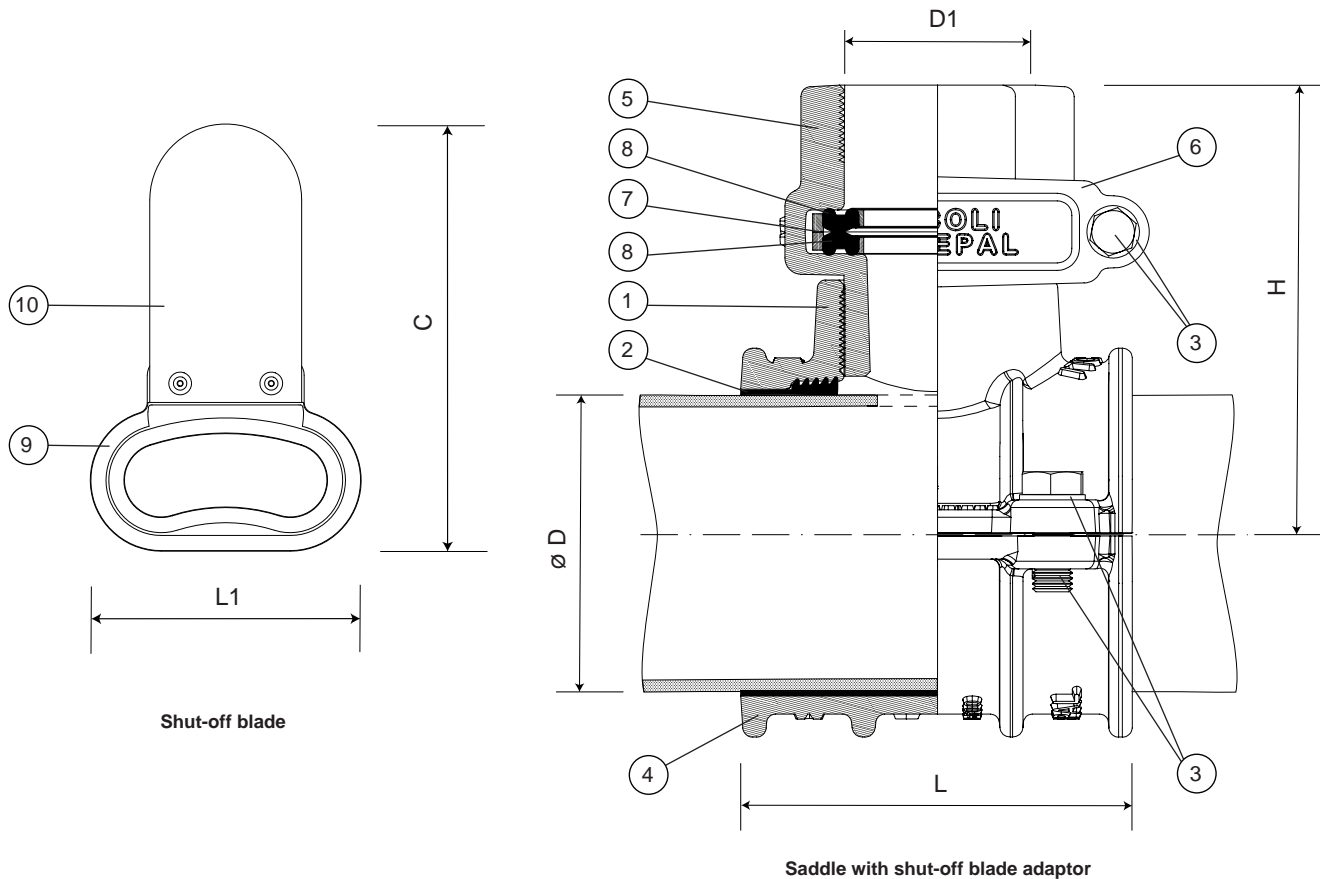
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SADDLE WITH SHUT-OFF BLADE ADAPTOR

for uPVC/PE pipes

DN 63 - DN 400 PN10

08.110



Component list

pos.	components	material	standard
1	Body superior	Ductile iron EN-GJS-500-7	EN 1563
2	Sealings	Elastomer EPDM	EN 681 - 1
3	Bolts and Washers	Stainless steel A2	EN 10088 - 1
4	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
5	Adaptator body	Ductile iron EN-GJS-500-7	EN 1563
6	Adaptator cover	Ductile iron EN-GJS-500-7	EN 1563
7	Cassette	POM	-
8	Sealings	Elastomer EPDM	EN 681 - 1
9	Grip	Ductile iron EN-GJS-500-7	EN 1563
10	Blade	Stainless steel AISI 301	EN 10088 - 1

Reference and dimensions

Shut-off blade			
code	L1	C	Kg
	mm	mm	approx.
10480466	106.56	168.74	0.3

Saddle						
ext. PE/PVC	Ø D	D1	code	L	H	Kg
		(BSP)		mm	mm	approx.
	63	G ½"	10480607	100	126	4
	63	G ¾"	10480608	100	126	4
	63	G 1"	10480609	100	126	4
	63	G 1 ¼"	10480610	100	126	4
	63	G 1 ½"	10480611	100	126	4
	63	G 2"	10480612	100	126	4
	75	G ½"	10480614	120	133	5
	75	G ¾"	10480615	120	133	5
	75	G 1"	10480616	120	133	5
	75	G 1 ¼"	10480617	120	133	5
	75	G 1 ½"	10480618	120	133	5
	75	G 2"	10480619	120	133	5

continued on next page

SADDLE WITH SHUT-OFF BLADE ADAPTOR

for uPVC/PE pipes

DN 63 - DN 400 PN10

08.110



continued from previous page

ø D ext. PE/PVC	D1 (BSP)	code	L mm	H mm	Kg approx.
90	G 1/2"	10480621	120	141	5
90	G 3/4"	10480622	120	141	5
90	G 1"	10480623	120	141	5
90	G 1 1/4"	10480624	120	141	5
90	G 1 1/2"	10480625	120	141	5
90	G 2"	10480626	120	141	5
110	G 1/2"	10480628	140	152	6
110	G 3/4"	10480629	140	152	6
110	G 1"	10480630	140	152	6
110	G 1 1/4"	10480631	140	152	6
110	G 1 1/2"	10480632	140	152	6
110	G 2"	10480633	140	152	6
125	G 1/2"	10480635	160	158	8
125	G 3/4"	10480636	160	158	8
125	G 1"	10480637	160	158	8
125	G 1 1/4"	10480638	160	158	8
125	G 1 1/2"	10480639	160	158	8
125	G 2"	10480640	160	158	8
140	G 1/2"	10480642	160	165	8
140	G 3/4"	10480643	160	165	8
140	G 1"	10480644	160	165	8
140	G 1 1/4"	10480645	160	165	8
140	G 1 1/2"	10480646	160	165	8
140	G 2"	10480647	160	165	8
160	G 1/2"	10480649	170	177	9
160	G 3/4"	10480650	170	177	9
160	G 1"	10480651	170	177	9
160	G 1 1/4"	10480652	170	177	9
160	G 1 1/2"	10480653	170	177	9
160	G 2"	10480654	170	177	9
180	G 1/2"	10480700	170	187	10
180	G 3/4"	10480701	170	187	10
180	G 1"	10480702	170	187	10
180	G 1 1/4"	10480703	170	187	10
180	G 1 1/2"	10480704	170	187	10
180	G 2"	10480705	170	187	10

ø D ext. PE/PVC	D1 (BSP)	code	L mm	H mm	Kg approx.
200	G 1/2"	10480656	200	197	12
200	G 3/4"	10480657	200	197	12
200	G 1"	10480658	200	197	11
200	G 1 1/4"	10480659	200	197	11
200	G 1 1/2"	10480660	200	197	11
200	G 2"	10480661	200	197	12
225	G 1/2"	10480663	200	210	15
225	G 3/4"	10480664	200	210	15
225	G 1"	10480665	200	210	15
225	G 1 1/4"	10480666	200	210	15
225	G 1 1/2"	10480667	200	210	15
225	G 2"	10480668	200	210	15
250	G 1/2"	10480670	200	222	16
250	G 3/4"	10480671	200	222	16
250	G 1"	10480672	200	222	17
250	G 1 1/4"	10480673	200	222	16
250	G 1 1/2"	10480674	200	222	16
250	G 2"	10480675	200	222	16
280	G 1/2"	10480677	200	237	19
280	G 3/4"	10480678	200	237	19
280	G 1"	10480679	200	237	19
280	G 1 1/4"	10480680	200	237	18
280	G 1 1/2"	10480681	200	237	18
280	G 2"	10480682	200	237	17
315	G 1/2"	10480684	200	255	19
315	G 3/4"	10480685	200	255	19
315	G 1"	10480686	200	255	20
315	G 1 1/4"	10480687	200	255	19
315	G 1 1/2"	10480688	200	255	19
315	G 2"	10480689	200	255	19
400	G 1/2"	10480691	200	303	25
400	G 3/4"	10480692	200	303	25
400	G 1"	10480693	200	303	24
400	G 1 1/4"	10480694	200	303	24
400	G 1 1/2"	10480695	200	303	24
400	G 2"	10480696	200	303	23



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SADDLE THREADED
for asbestos cement and cast iron pipes
DN 50 - DN 300

08.200



Product description

- Saddle threaded for asbestos cement and cast iron pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Saddle threaded for asbestos cement class 18 and cast iron pipes
- Easy installation, maintenance free and designed for a long life
- EPDM sealing with drinking water approved, ensuring a perfect seal
- On request possibility of threaded 2", 2 ½", 3 or 4", bolts in stainless steel.



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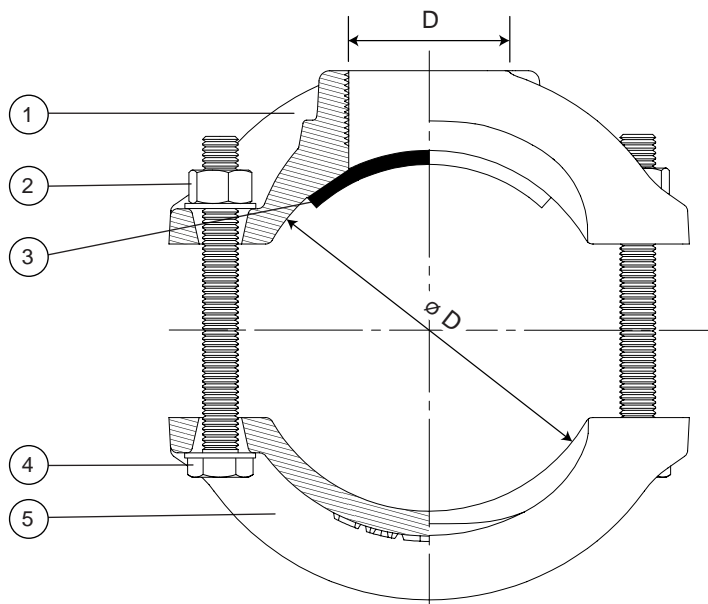
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03-2022

Being one of the main objectives of our company the development and satisfaction of our customers, we reserve the right to update, change or replace the specifications presented without prior notice.

SADDLE THREADED
for asbestos cement and cast iron pipes
 DN 50 - DN 300

08.200



Component list

pos.	components	material	standard
1	Upper body	Ductile iron EN-GJS-500-7	EN 1563
2	Nuts	Steel zinc plated cl8	ISO 898 - 2
3	Sealing	Elastomer EPDM	EN 681 - 1
4	Bolts	Steel zinc plated cl6.8	ISO 898 - 1
5	Lower body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	D	code	ø D	Kg
mm	(BSP)		max.	approx.
			mm	
50	G 1/2"	10303010	71	2
50	G 3/4"	10306010	71	2
50	G 1"	10309010	71	2
50	G 1 1/4"	10312010	71	2
50	G 1 1/2"	10315010	71	2
60	G 1/2"	10303020	83	2
60	G 3/4"	10306020	83	2
60	G 1"	10309020	83	2
60	G 1 1/4"	10312020	83	2
60	G 1 1/2"	10315020	83	2
80	G 1/2"	10303040	101	2
80	G 3/4"	10306040	101	2
80	G 1"	10309040	101	2
80	G 1 1/4"	10312040	101	2
80	G 1 1/2"	10315040	101	2
100	G 1/2"	10315052	124	3
100	G 3/4"	10306050	124	3
100	G 1"	10309050	124	3
100	G 1 1/4"	10312050	124	3
100	G 1 1/2"	10315050	124	3
125	G 1/2"	10303060	151	4
125	G 3/4"	10306060	151	4
125	G 1"	10309060	151	4

DN	D	code	ø D	Kg
mm	(BSP)		max.	approx.
			mm	
125	G 1 1/4"	10312060	151	4
125	G 1 1/2"	10315060	151	4
150	G 1/2"	10315068	180	4
150	G 3/4"	10306070	180	4
150	G 1"	10309070	180	4
150	G 1 1/4"	10312070	180	4
150	G 1 1/2"	10315070	180	4
200	G 1/2"	10303080	235	8
200	G 3/4"	10306080	235	8
200	G 1"	10309080	235	8
200	G 1 1/4"	10312080	235	8
200	G 1 1/2"	10315080	235	8
250	G 1/2"	10303090	289	10
250	G 3/4"	10306090	289	10
250	G 1"	10309090	289	10
250	G 1 1/4"	10312090	289	10
250	G 1 1/2"	10315090	289	10
300	G 1/2"	10303100	345	10
300	G 1"	10309100	345	11
300	G 1 1/4"	10312100	345	11
300	G 1 1/2"	10315100	345	11



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100% MADE IN EUROPE



Product description

- Large tolerance flanged saddle for metal pipes for drinking water, neutral liquids and wastewater treatment
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Large tolerance saddle for application on metal pipes with flanged branch DN 40/65
- Robust design and long body that ensures its perfect fixation to the pipe and prevents it from shifting or turning after installation
- Easy installation, maintenance free and designed for a long life
- Internal surface of the tapping saddle fully coated with drinking water approved EPDM, surrounding the entire outside diameter of the pipe, avoiding direct contact between the ductile iron of the saddle and the pipe
- Gasket sealing system with 5 integrated O-rings in the branch area which ensure a perfect sealing
- Bolts in stainless steel A2
- On request possibility of bolts and washers in stainless steel A4, NBR sealing or other elastomer.



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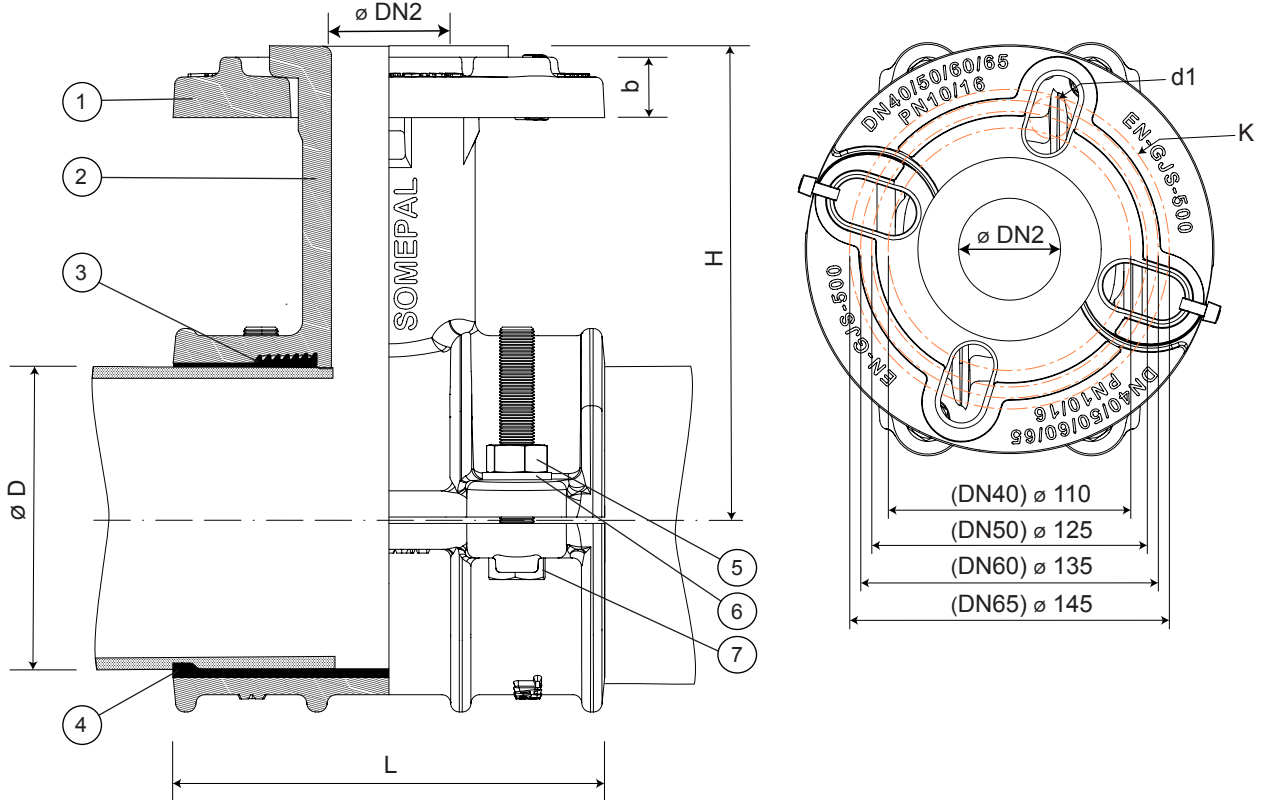
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LARGE TOLERANCE FLANGED SADDLE DN 60 - DN 300 PN10/16

08.210



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body superior	Ductile iron EN-GJS-500-7	EN 1563
3	Vedante	Elastomer EPDM	EN 681 - 1
4	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
5	Nuts	Stainless steel A4	EN 10088 - 1
6	Washers	Stainless steel A2	EN 10088 - 1
7	Bolts	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN	$\varnothing D1$	$\varnothing D$	code	L	H	K	n° x d1	b	Kg
mm	mm	min./max. mm - mm		mm	min./max. mm - mm	mm	mm	mm	approx.
60	40	68 - 78	10485110	120	149 - 154	110 - 145	4 x 19 - 28	21	6
80	40	87 - 99	10485120	120	159 - 165	110 - 145	4 x 19 - 28	21	7
100	40	104 - 119	10485130	150	168 - 175	110 - 145	4 x 19 - 28	21	9
150	40	160 - 175	10485150	170	199 - 207	110 - 145	4 x 19 - 28	21	12
200	40	213 - 228	10485160	200	226 - 234	110 - 145	4 x 19 - 28	22	13
250	40	274	10485270	200	255	110 - 145	4 x 19 - 28	26	21
300	40	326	10485280	300	282	110 - 145	4 x 19 - 28	32	24



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100% MADE IN EUROPE



Product description

- Multimaterial coupling for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525

Test according

- EN 14525: Positive internal pressure and negative internal

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 23 ACC NY 127
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Multimaterials coupling for drinking water
- EPDM sealing gaskets drinking water approved, with incorporated O-rings, which ensures an extremely effective seal and absorb minor imperfections in the pipe
- Tolerance range from 30 to 40 mm that allows great versatility of the product and assembly of pipes with different materials and diameters
- Allow a maximum deflection angle of 6°
- Bolts in steel cl. 8.8, geomet coated
- Allow the connection between pipe of ductile iron, steel, uPVC, asbestos cement, glass fibre, among other
- On request possibility of NBR sealing and/or bolts, washers and nuts in stainless steel A2 or A4.

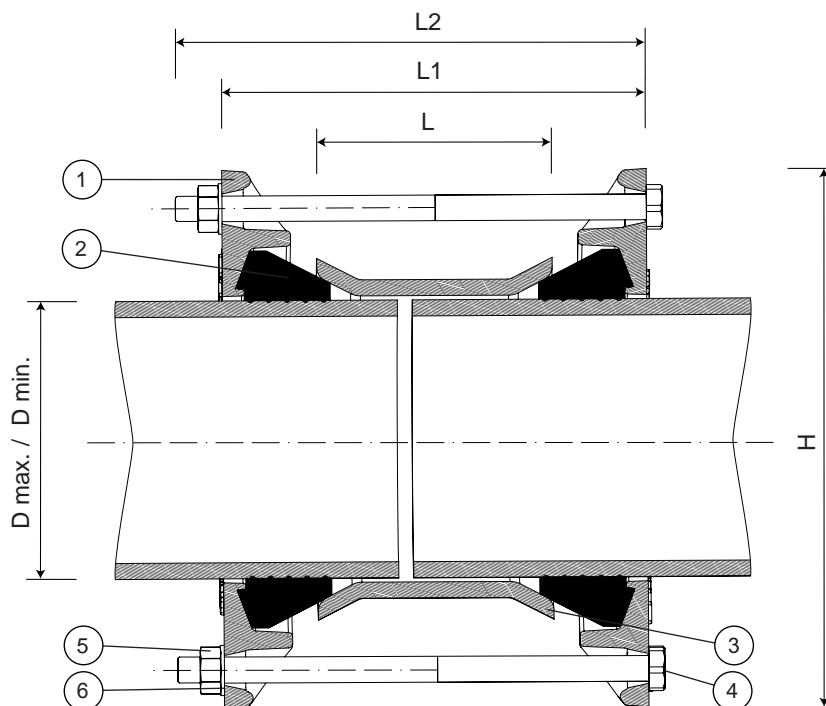


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Component list

pos.	components	material	standard	pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563	4	Bolts	Steel cl 8.8 (geomet coating)	ISO 898-1
2	Sealing	Elastomer EPDM	EN 681 - 1	5	Nuts	Steel cl 8 (geomet coating)	ISO 898-2
3	Body	Ductile iron EN-GJS-500-7	EN 1563	6	Washers	Steel (geomet coating)	ISO 898-2

Reference and dimensions

DN	D	code	L	L1	H	Kg	Bolt	L2	Torque
mm	min./max. mm - mm		mm	mm	mm	approx.		mm	
40	25 - 55	10900000	110	198	151	5	3 x M12	220	60 - 80 Nm
40 / 50	39 - 69	10900010	110	198	165	6	3 x M12	220	60 - 80 Nm
40 / 50	46 - 76	10900020	110	200	172	6	3 x M12	220	60 - 80 Nm
40 / 50	48 - 78	10900021	110	202	174	7	3 x M12	220	60 - 80 Nm
60 / 65	57 - 87	10900030	110	197	214	7	4 x M12	220	60 - 80 Nm
60 / 65	63 - 93	10900031	110	201	220	8	4 x M12	220	60 - 80 Nm
80	78 - 108	10900040	110	197	235	8	4 x M12	220	60 - 80 Nm
80 / 100	87 - 117	10900050	110	200	244	9	4 x M12	220	60 - 80 Nm
100	100 - 130	10900055	110	198	253	10	4 x M12	250	60 - 80 Nm
100	108 - 138	10900056	110	170	261	10	4 x M12	250	60 - 80 Nm
125	117 - 147	10900060	120	208	270	11	4 x M12	250	60 - 80 Nm
125 / 150	129 - 159	10900070	120	208	282	12	4 x M12	250	60 - 80 Nm
150	138 - 168	10900080	120	208	291	13	4 x M12	250	60 - 80 Nm
150	152 - 182	10900090	120	208	315	14	4 x M16	250	100 - 140 Nm
150	159 - 189	10900091	120	180	322	15	4 x M16	250	100 - 140 Nm
175	172 - 202	10900095	120	208	335	15	4 x M16	250	100 - 140 Nm
175 / 200	186 - 216	10900100	120	208	349	16	4 x M16	250	100 - 140 Nm
200	198 - 228	10900110	120	208	361	17	4 x M16	250	100 - 140 Nm
225	218 - 253	10900120	130	197	402	23	4 x M16	280	100 - 140 Nm
250	245 - 280	10900130	130	235	429	24	4 x M16	280	100 - 140 Nm

continued on next page

MULTIMATERIALS COUPLING

DN 40 - 1200 PN16

08.300



continued from previous page


DN mm	D min./max. mm - mm	code	L mm	L1 mm	H mm	Kg approx.	Bolt	L2 mm		Torque
250	266 - 301	10900140	150	300	450	30	6 x M16	300	24 mm	100 - 140 Nm
300	297 - 332	10900143	150	260	481	32	6 x M16	300	24 mm	100 - 140 Nm
300	314 - 349	10900150	150	220	498	34	6 x M16	300	24 mm	100 - 140 Nm
350	343 - 378	10900151	150	263	527	35	6 x M16	300	24 mm	100 - 140 Nm
350	375 - 410	10900152	150	266	533	43	8 x M16	300	24 mm	100 - 140 Nm
400	396 - 431	10900153	200	316	591	52	8 x M16	360	24 mm	100 - 140 Nm
400	420 - 455	10900154	200	286	615	56	8 x M16	360	24 mm	100 - 140 Nm
450	449 - 484	10900163	200	328	650	65	10 x M16	360	24 mm	100 - 140 Nm
450	457 - 492	10900155	200	328	652	66	10 x M16	360	24 mm	100 - 140 Nm
450	497 - 532	10900156	200	328	692	70	10 x M16	360	24 mm	100 - 140 Nm
500	501 - 540	10900165	200	368	694	72	10 x M16	360	24 mm	100 - 140 Nm
550	525 - 560	10900149	200	286	720	74	10 x M16	360	24 mm	100 - 140 Nm
550	533 - 568	10900157	200	328	728	75	10 x M16	360	24 mm	100 - 140 Nm
600	575 - 610	10900158	200	328	770	80	10 x M16	360	24 mm	100 - 140 Nm
600	625 - 660	10900159	200	286	820	89	10 x M16	360	24 mm	100 - 140 Nm
650	660 - 695	10900160	200	338	839	102	10 x M16	360	24 mm	100 - 140 Nm
700	710 - 745	10900166	200	367	931	133	12 x M16	410	24 mm	100 - 140 Nm
700	724 - 765	10900168	200	367	955	147	12 x M16	410	24 mm	100 - 140 Nm
800	810 - 845	10900173	200	372	1031	156	12 x M16	410	24 mm	100 - 140 Nm
850	829 - 870	10900175	200	367	1060	166	12 x M16	410	24 mm	100 - 140 Nm
900	905 - 946	10900178	250	423	1157	228	14 x M20	485	30 mm	160 - 200 Nm
900	934 - 975	10900183	250	421	1184	234	14 x M20	485	30 mm	160 - 200 Nm
1000	1034 - 1075	10900189	250	421	1241	257	14 x M20	485	30 mm	160 - 200 Nm
1200	1219 - 1260	10900191	250	421	1469	315	16 x M20	485	30 mm	160 - 200 Nm

Table of tolerances and pipes on next page



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TABLE OF TOLERANCES AND PIPES



Tolerances	code	Pipes									
		PVC	Ductile iron		Steel		Asbestos cement				
D min. - max. mm - mm		∅ ext. pipe mm	DN	∅ ext. pipe mm	∅ ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
25 - 55	10900000	25 32 50	-	-	42.4 48.3	-	-	-	-	-	-
39 - 69	10900010	50 63	40 50	56 66	42.4 48.3 60.3	50	66	66	66	66	66
46 - 76	10900020	63 75	40 50	56 66	48.3 60.3	50 60	66 76	66 76	66 76	66 76	66 -
48 - 78	10900021	63 75	40 50 60	56 66 77	48.3 60.3 76.1	50 60	66 76	66 76	66 76	66 76	66 78
57 - 87	10900030	63 75	50 60 65	66 77 82	60.3 76.1	50 60	66 76	66 76	66 76	66 76	66 78
63 - 93	10900031	63 75 90	50 60 65	66 77 82	76.1 88.9	50 60	66 76	66 76	66 76	66 76	66 78
78 - 108	10900040	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 104
87 - 117	10900050	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100 - 130	10900055	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
108 - 138	10900056	110 125	100	118	114.3	100	116	116	118	122	128
117 - 147	10900060	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
129 - 159	10900070	140	125	144	139.7	125	141	141	145	151	157
138 - 168	10900080	140 160	125	144	139.7	125 150	141 168	141 168	145 -	151 -	157 -
152 - 182	10900090	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
159 - 189	10900091	160 180	150	170	168.3 177.8	150	168	168	174	180	188
172 - 202	10900095	180 200	-	-	177.8 193.7	150	-	-	174	180	188
186 - 216	10900100	200	-	-	193.7	150	-	-	-	-	188
198 - 228	10900110	200 225	200	222	219.1	200	220	222	228	-	-
218 - 253	10900120	225 250	200	222	219.1 244.5	200	220	222	228	238	250
245 - 280	10900130	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
266 - 301	10900140	280	250	274	273	250	272	276	282	294	-
297 - 332	10900143	315	300	326	323.9	250 300	- 324	- 330	- -	- -	306 -
314 - 349	10900150	315	300	326	323.9	300	324	330	338	-	-
343 - 378	10900151	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
375 - 410	10900152	400	350	378	406.4	350	376	384	396	410	-
396 - 431	10900153	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -
420 - 455	10900154	-	400	429	-	400	-	438	452	-	-
449 - 484	10900163	-	450	480	457.0	400 450	- 482	438 -	- -	470 -	488 -
457 - 492	10900155	-	450	480	457.0	400 450	- 482	- 492	- -	470 -	488 -
497 - 532	10900156	500	500	532	508	450	-	-	512	532	-
501 - 540	10900165	-	500	532	508	500	536	-	-	-	-
525 - 560	10900149	560	500	532	559	450 500	- 536	- 548	- -	- -	548 -
533 - 568	10900157	560	-	-	559	500	536	548	568	-	-
575 - 610	10900158	-	-	-	610	500	-	-	-	590	608
625 - 660	10900159	630	600	635	660	600	644	660	-	-	-
660 - 695	10900160	-	-	-	660	600	-	-	674	694	-
710 - 745	10900166	710	700	738	711.0	600	-	-	-	-	714
724 - 765	10900168	-	700	738	762.0	700	754	-	-	-	-
810 - 845	10900173	-	800	842	813.0	700	-	-	-	-	828
829 - 870	10900175	-	800	842	864.0	800	852	-	-	-	-
905 - 946	10900178	-	900	945	-	800	-	-	-	-	946
934 - 975	10900183	-	900	945	-	800 900	- 960	- -	- -	- -	946 -
1034 - 1075	10900189	-	1000	1048	1067.0	900 1000	- -	- -	- -	1050 1066	- -
1219 - 1260	10900191	-	1200	1255	1219.0	-	-	-	-	-	-



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100% MADE IN EUROPE



Product description

- Large tolerance multimaterials coupling flanged adaptor for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525

Test according

- EN 14525: Positive internal pressure and negative internal

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 23 ACC NY 127
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Large tolerance multimaterial coupling flanged adaptor for drinking water
- EPDM sealing gaskets drinking water approved, with incorporated O-rings, which ensures an extremely effective seal and absorb minor imperfections in the pipe
- Tolerance range from 30 to 40 mm that allows great versatility of the product and assembly of pipes with different materials and diameters
- Allow a maximum deflection angle of 3°
- Bolts in steel cl. 8.8, geomet coated
- Allow the connection between pipe of ductile iron, steel, uPVC, asbestos cement, glass fibre, among other
- On request possibility of NBR sealing and/or bolts, washers and nuts in stainless steel A2 or A4.

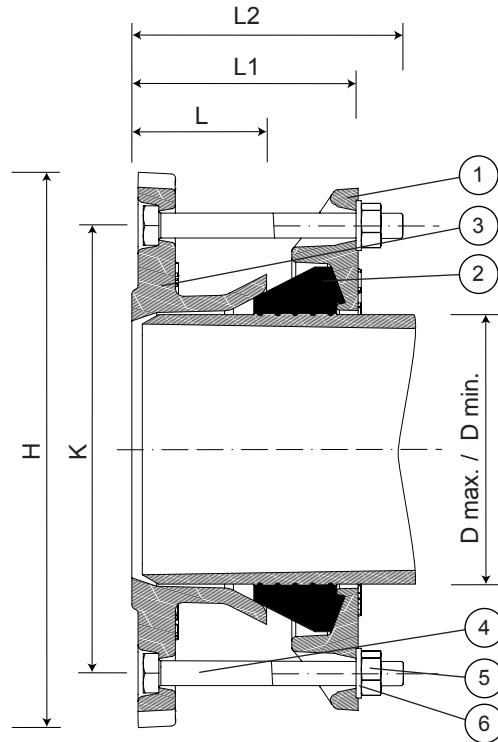


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Component list

pos.	components	material	standard	pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563	4	Bolts	Steel cl 8.8 (geomet coating)	ISO 898-1
2	Sealing	Elastomer EPDM	EN 681 - 1	5	Nuts	Steel cl 8 (geomet coating)	ISO 898-2
3	Body	Ductile iron EN-GJS-500-7	EN 1563	6	Washers	Steel (geomet coating)	ISO 898-2

Reference and dimensions

DN flange	D min./max. mm - mm	PN	code	L mm	L1 mm	H flange mm	K mm	Kg approx.	Bolt	L2 mm		Torque
40	25 - 55	10/16	10900200	65	108	150	110	5	3 x M12	120	19 mm	60 - 80 Nm
50	39 - 69	10/16	10900201	65	108	165	125	5	3 x M12	120	19 mm	60 - 80 Nm
50	46 - 76	10/16	10900202	65	108	165	125	5	3 x M12	120	19 mm	60 - 80 Nm
60/65	57 - 87	10/16	10900203	65	108	175/185	135/145	6	4 x M12	120	19 mm	60 - 80 Nm
80	78 - 108	10/16	10900204	65	108	200	160	7	4 x M12	120	19 mm	60 - 80 Nm
80/100	87 - 117	10/16	10900209	65	108	200/220	160/180	7	4 x M12	120	19 mm	60 - 80 Nm
100	87 - 117	10/16	10900205	65	108	220	180	7	4 x M12	120	19 mm	60 - 80 Nm
100	100 - 130	10/16	10900206	65	108	220	180	8	4 x M12	120	19 mm	60 - 80 Nm
100	108 - 138	10/16	10900211	65	114	220	180	7	4 x M12	120	19 mm	60 - 80 Nm
125	117 - 147	10/16	10900207	70	114	250	210	9	4 x M12	120	19 mm	60 - 80 Nm
125/150	129 - 159	10/16	10900208	70	114	250/285	210/240	10	4 x M12	120	19 mm	60 - 80 Nm
150	152 - 182	10/16	10900210	75	119	285	240	11	4 x M16	150	24 mm	100 - 140 Nm
200	186 - 216	10/16	10900212	75	119	340	295	14	4 x M16	150	24 mm	100 - 140 Nm
200	198 - 228	10/16	10900213	75	119	340	295	14	4 x M16	150	24 mm	100 - 140 Nm
250	245 - 280	10/16	10900215	85	140	400	350	21	4 x M16	150	24 mm	100 - 140 Nm
250	266 - 301	10/16	10900216	90	145	400	350	22	6 x M16	150	24 mm	100 - 140 Nm
300	314 - 349	10/16	10900217	90	145	455	400	27	6 x M16	150	24 mm	100 - 140 Nm
350	343 - 378	10/16	10900218	90	145	505/520	460	33	8 x M16	150	24 mm	100 - 140 Nm
350	375 - 410	10/16	10900219	127	145	505/520	460	40	8 x M16	200	24 mm	100 - 140 Nm
400	396 - 431	10	10900221	127	190	565	515	44	8 x M16	200	24 mm	100 - 140 Nm

continued on next page

LARGE TOLERANCE MULTIMATERIALS COUPLING FLANGED ADAPTOR 08.301

DN 40 - 1200 PN10/16



continued from previous page


DN flange	D min./max. mm - mm	PN	code	L mm	L1 mm	H flange mm	K mm	Kg approx.	Bolt	L2 mm		Torque
400	396 - 431	16	10900222	127	190	580	525	47	8 x M16	200	24 mm	100 - 140 Nm
400	420 - 455	10	10900223	127	190	565	515	46	8 x M16	200	24 mm	100 - 140 Nm
400	420 - 455	16	10900224	127	190	580	525	48	8 x M16	200	24 mm	100 - 140 Nm
450	457 - 492	10	10900225	127	190	615	565	54	10 x M16	200	24 mm	100 - 140 Nm
450	457 - 492	16	10900226	127	190	640	585	55	10 x M16	200	24 mm	100 - 140 Nm
500	497 - 532	10	10900227	127	190	670	620	56	10 x M16	200	24 mm	100 - 140 Nm
500	497 - 532	16	10900228	127	190	715	650	68	10 x M16	200	24 mm	100 - 140 Nm
500	533 - 568	10	10900229	127	190	670	620	56	10 x M16	200	24 mm	100 - 140 Nm
500	533 - 568	16	10900230	127	190	715	650	65	10 x M16	200	24 mm	100 - 140 Nm
600	625 - 660	10	10900233	130	200	780	725	73	10 x M16	200	24 mm	100 - 140 Nm
600	625 - 660	16	10900234	130	200	840	770	93	10 x M16	200	24 mm	100 - 140 Nm
700	710 - 745	10	10900239	160	200	895	840	121	12 x M16	250	24 mm	100 - 140 Nm
700	710 - 745	16	10900240	160	200	910	840	125	12 x M16	250	24 mm	100 - 140 Nm
800	810 - 845	10	10900241	160	200	1015	950	140	12 x M16	250	24 mm	100 - 140 Nm
800	810 - 845	16	10900242	160	200	1025	950	144	12 x M16	250	24 mm	100 - 140 Nm
900	934 - 975	10	10900235	160	200	1115	1050	-	14 x M20	260	30 mm	160 - 200 Nm
900	934 - 975	16	10900236	160	200	1125	1050	182	14 x M20	260	30 mm	160 - 200 Nm
1000	1034 - 1075	10	10900243	160	200	1230	1160	221	14 x M20	260	30 mm	160 - 200 Nm
1000	1034 - 1075	16	10900244	160	200	1255	1170	-	14 x M20	260	30 mm	160 - 200 Nm
1200	1219 - 1260	10	10900245	160	200	1455	1380	264	16 x M20	260	30 mm	160 - 200 Nm
1200	1219 - 1260	16	10900246	160	200	1485	1390	340	16 x M20	260	30 mm	160 - 200 Nm

Table of tolerances and pipes on next page



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TABLE OF TOLERANCES AND PIPES



DN	Tolerances D min. - max. mm - mm	code		Pipes									
		PN10	PN16	PVC	Ductile iron		Steel	Asbestos cement					
				ø ext. pipe mm	DN	ø ext. pipe mm	ø ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
40	25 - 55	10900200	10900200	25 32 50	-	-	42.4 48.3	-	-	-	-	-	-
50	39 - 69	10900201	10900201	50 63	40 50	56 66	42.4 48.3 60.3	50	66	66	66	66	66
50	46 - 76	10900202	10900202	63 75	40 50	56 66	48.3 60.3	50 60	66 76	66 76	66 76	66 76	66 -
60/65	57 - 87	10900203	10900203	63 75	50 60 65	66 77 82	60.3 76.1	50 60	66 76	66 76	66 76	66 76	66 78
80	78 - 108	10900204	10900204	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 104
80/100	87 - 117	10900209	10900209	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	87 - 117	10900205	10900205	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	100 - 130	10900206	10900206	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
100	108 - 138	10900211	10900211	110 125	100	118	114.3	100	116	116	118	122	128
125	117 - 147	10900207	10900207	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
125/150	129 - 159	10900208	10900208	140	125	144	139.7	125	141	141	145	151	157
150	152 - 182	10900210	10900210	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
200	186 - 216	10900212	10900212	200	-	-	193.7	150	-	-	-	-	188
200	198 - 228	10900213	10900213	200 225	200	222	219.1	200	220	222	228	-	-
250	245 - 280	10900215	10900215	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
250	266 - 301	10900216	10900216	280	250	274	273	250	272	276	282	294	-
300	314 - 349	10900217	10900217	315	300	326	323.9	300	324	330	338	-	-
350	343 - 378	10900218	10900218	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
350	375 - 410	10900219	10900219	400	350	378	406.4	350	376	384	396	410	-
400	396 - 431	10900221	10900221	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -
400	420 - 455	10900223	10900223	-	400	429	-	400	-	438	452	-	-
450	457 - 492	10900225	10900225	-	450	480	457.0	400 450	- 482	- 492	- -	470 -	488 -
500	497 - 532	10900227	10900227	500	500	532	508	450	-	-	512	532	-
500	533 - 568	10900229	10900229	560	-	-	559	500	536	548	568	-	-
600	625 - 660	10900233	10900233	630	600	635	660	600	644	660	-	-	-
700	710 - 745	10900239	10900239	710	700	738	711.0	600	-	-	-	-	714
800	810 - 845	10900241	10900241	-	800	842	813.0	700	-	-	-	-	828
900	934 - 975	10900235	10900235	-	900	945	-	800 900	- 960	- -	- -	- -	946 -
1000	1034 - 1075	10900243	10900243	-	1000	1048	1067.0	900 1000	- -	- -	- -	1050 1066	-
1200	1219 - 1260	10900245	10900245	-	1200	1255	1219.0	-	-	-	-	-	-





Product description

- Multimaterial coupling with GFIX® grip system for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525

Test according

- EN 14525: Positive internal pressure and negative internal
- EN 545: Positive internal pressure

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 23 ACC NY 127
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Multimaterials coupling for drinking water
- GFIX® system allows a high-fidelity seal/locking of the assembly without pipe disconnections
- The pipe block is performed by a tempered serrated rivets system mounted on the conical claws that fit and grip causing no damage on the pipe
- Sealing system with drinking water approved EPDM
- The sealing is carried out through a seal with O-rings, mounted on a ring made by the grip support, which will slide until being pressed against the pipe
- Allows a maximum angle deflection of 8°
- Bolts and washers in stainless steel A2 and nuts in stainless steel A4 with anti-friction coated protection
- Bolts ends protected with plastic caps
- Allow the connection between pipes with several external diameters and different materials (PE, uPVC, ductile iron, steel, asbestos cement, glass fiber pipes and others)
- For PE or uPVC pipe applications, should be used an insert in stainless steel (ref.15.400)
- On request possibility of bolts, washers and nuts in stainless steel A4.



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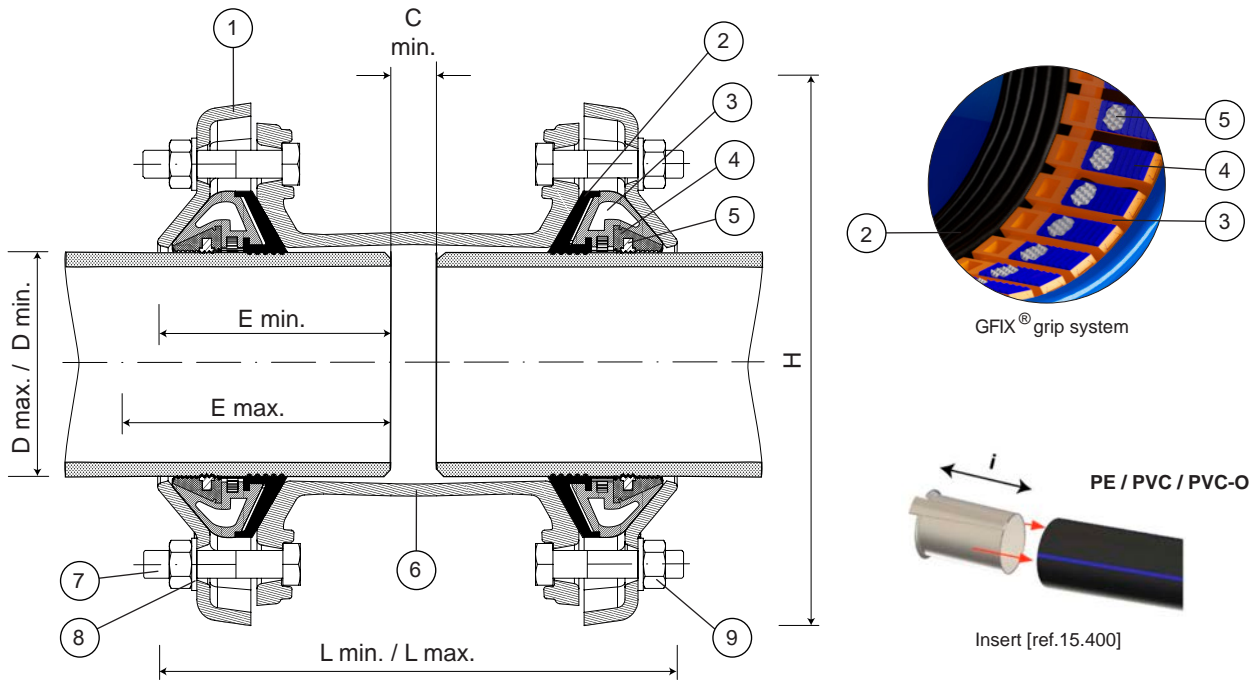
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MULTIMATERIALS COUPLING WITH GFIX® GRIP SYSTEM DN 50 - 400 PN10/16

08.400




Component list

pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing	Elastomer EPDM	EN 681 - 1
3	Gripper support	POM	-
4	Gripper	POM	-
5	Rivets with milling	Tempered steel cq 15	DIN 1654

pos.	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2	EN 10088 - 1
8	Washers	Stainless steel A2	EN 10088 - 1
9	Nuts	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	D		L	H	E	C	Kg	i			
mm	min./max. mm - mm	code	min./max. mm - mm	mm	min./max. mm - mm	min. mm	approx.	insert* mm	Bolt		Torque
50	39 - 52	10900400	233 - 250	162	90 - 115	20	6	175	6 x M12	19 mm	50 - 70 Nm
50	49 - 64	10900401	231 - 250	175	90 - 115	20	6	175	6 x M12	19 mm	50 - 70 Nm
65	63 - 83	10900402	258 - 286	209	105 - 133	20	12	175	8 x M12	19 mm	50 - 70 Nm
80	72 - 93	10900424	257 - 286	217	105 - 133	20	13	175	8 x M12	19 mm	50 - 70 Nm
80	78 - 103	10900403	250 - 286	229	105 - 133	20	14	175	8 x M12	19 mm	50 - 70 Nm
100	87 - 117	10900404	244 - 286	243	105 - 133	20	15	175	8 x M12	19 mm	50 - 70 Nm
100	100 - 130	10900405	253 - 299	256	105 - 140	20	16	175	8 x M16	24 mm	90 - 120 Nm
125	117 - 147	10900406	253 - 299	273	105 - 140	20	19	175	8 x M16	24 mm	90 - 120 Nm
150	138 - 168	10900407	253 - 299	294	105 - 140	20	21	175	8 x M16	24 mm	90 - 120 Nm
150	152 - 182	10900408	288 - 330	308	115 - 155	20	21	200	8 x M16	24 mm	90 - 120 Nm
175	172 - 202	10900409	288 - 330	325	115 - 155	20	23	200	8 x M16	24 mm	90 - 120 Nm
200	198 - 228	10900410	288 - 330	354	115 - 155	20	28	200	8 x M16	24 mm	90 - 120 Nm
225	217 - 257	10900411	300 - 359	392	130 - 170	20	32	225	12 x M16	24 mm	90 - 120 Nm
250	245 - 285	10900412	383 - 440	434	150 - 210	20	39	225	12 x M16	24 mm	90 - 120 Nm
300	300 - 340	10900413	383 - 440	479	150 - 210	20	51	225	16 x M16	24 mm	90 - 120 Nm
350	340 - 380	10900414	383 - 440	519	150 - 210	20	55	225	16 x M16	24 mm	90 - 120 Nm
400	390 - 430	10900415	383 - 440	571	150 - 210	20	70	225	16 x M16	24 mm	90 - 120 Nm

* recommended for PE, uPVC or PVC-O pipes - insert [ref. 15.400]

Table of tolerances and pipes on next page



TABLE OF TOLERANCES AND PIPES

Tolerances	code	Pipes									
		HDPE / PE / PVC / PVC-u	Ductile iron		Steel	Asbestos cement					
D min. - max. mm - mm		ø ext. pipe mm	DN	ø ext. pipe mm	ø ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
39 - 52	10900400	40 50	-	-	42.4 48.3	-	-	-	-	-	-
49 - 64	10900401	50 63	40	56	48.3 60.3	-	-	-	-	-	-
63 - 83	10900402	63 75	50 60 65	66 77 82	76.1	50 60	66 76	66 76	66 76	66 76	66 78
72 - 93	10900424	75 90	60 65	77 82	76.1 88.9	60	76	76	76	76	76
78 - 103	10900403	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 96	78 -
87 - 117	10900404	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100 - 130	10900405	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
117 - 147	10900406	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
138 - 168	10900407	140 160	125	144	139.7	125 150	141 168	141 168	145 -	151 -	157 -
152 - 182	10900408	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
172 - 202	10900409	180 200	-	-	177.8 193.7	150	-	-	174	180	188
198 - 228	10900410	200 225	200	222	219.1	200	220	222	228	-	-
217 - 257	10900411	225 250	200	222	244.5	200	220	222	228	238	250
245 - 285	10900412	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
300 - 340	10900413	315	300	326	323.9	300	324	330	338	-	-
340 - 380	10900414	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
390 - 430	10900415	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -



LARGE TOLERANCE MULTIMATERIAL COUPLING FLANGE ADAPTOR WITH GFIX® GRIP SYSTEM DN 50 - 400 PN10/16

08.401



Product description

- Large tolerance multimaterial coupling flanged adaptor with GFIX® grip system for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525
- Flange drilling to EN 1092-2 PN10/16

Test according

- EN 14525: Positive internal pressure and negative internal
- EN 545: Positive internal pressure

Corrosion protection

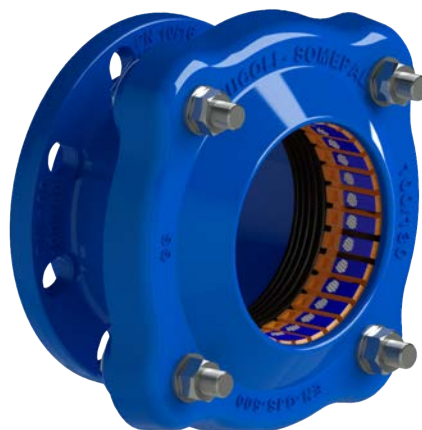
- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK approved

Approvals

- ACS Potability Certificate 23 ACC NY 127
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Large tolerance multimaterial coupling flanged adaptor for drinking water
- GFIX® grip system allows a high-fidelity seal/locking of the assembly without pipe disconnections
- The pipe block is performed by a tempered serrated rivets system mounted on the conical claws that fit and grip causing no damage on the pipe
- Sealing system with drinking water approved EPDM
- The sealing is carried out through a seal with O-rings, mounted on a ring made by the grip support, which will slide until being pressed against the pipe
- Allows a maximum angle deflection of 4°
- Bolts and washers in stainless steel A2 and nuts in stainless steel A4 with anti-friction coated protection
- Bolts ends protected with plastic caps
- Allow the connection between pipes with several external diameters and different materials (PE, uPVC, ductile iron, steel, asbestos cement, glass fiber pipes and others) to flanged component
- For PE or uPVC pipe applications, you should be used an insert in stainless steel inside the pipe (ref.15.400)



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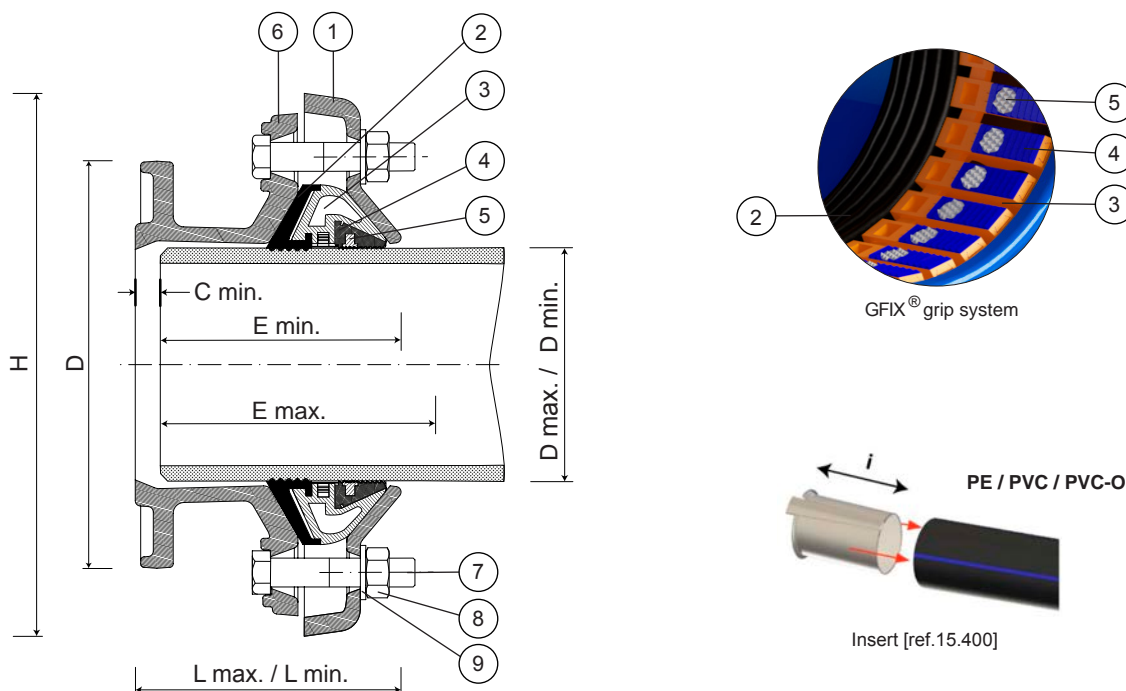
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LARGE TOLERANCE MULTIMATERIAL COUPLING FLANGE ADAPTOR WITH GFIX® GRIP SYSTEM

DN 50 - 400 PN10/16

08.401




Component list

pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing	Elastomer EPDM	EN 681 - 1
3	Gripper support	POM	-
4	Gripper	POM	-
5	Rivets with milling	Tempered steel cq 15	DIN 1654

pos.	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1
9	Washers	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN flange	D min./max. mm - mm	PN	code	L min./max. mm - mm	H mm	E min./max. mm - mm	C min. mm	i insert* mm	D flange mm	Bolt		Torque	Kg approx.
50	39 - 52	10/16	10900500	129 - 138	195	90 - 120	15	175	165	3 x M12	19 mm	50 - 70 Nm	5
50	49 - 64	10/16	10900501	128 - 138	197	90 - 120	15	175	165	3 x M12	19 mm	50 - 70 Nm	5
60/65	63 - 83	10/16	10900502	129 - 143	209	105 - 128	15	175	175/185	4 x M12	19 mm	50 - 70 Nm	8
80	78 - 103	10/16	10900503	125 - 143	229	105 - 128	15	175	200	4 x M12	19 mm	50 - 70 Nm	9
80/100	87 - 117	10/16	10900504	121 - 143	243	105 - 128	15	175	200/220	4 x M12	19 mm	50 - 70 Nm	10
100	100 - 130	10/16	10900505	127 - 150	256	105 - 130	20	175	220	4 x M16	24 mm	90 - 120 Nm	10
125	117 - 147	10/16	10900506	127 - 150	273	105 - 130	20	175	250	4 x M16	24 mm	90 - 120 Nm	12
150	152 - 182	10/16	10900507	147 - 168	308	115 - 145	20	175	285	4 x M16	24 mm	90 - 120 Nm	14
200	198 - 228	10/16	10900508	147 - 168	354	115 - 145	20	200	340	4 x M16	24 mm	90 - 120 Nm	18
200	245 - 285	10/16	10900523	251 - 280	424	150 - 180	95	200	340	6 x M16	24 mm	90 - 120 Nm	30
250	245 - 285	10/16	10900509	191 - 220	420	150 - 180	30	225	400	6 x M16	24 mm	90 - 120 Nm	27
300	300 - 340	10/16	10900510	191 - 220	479	150 - 180	30	225	455	8 x M16	24 mm	90 - 120 Nm	35
300	340 - 380	10/16	10900525	271 - 300	519	150 - 180	110	225	455	8 x M16	24 mm	90 - 120 Nm	49
350	340 - 380	10/16	10900511	191 - 220	520	150 - 180	40	225	505/520	8 x M16	24 mm	90 - 120 Nm	42
400	390 - 430	10	10900513	191 - 220	571	150 - 180	40	225	565	8 x M16	24 mm	90 - 120 Nm	49
400	390 - 430	16	10900514	191 - 220	571	150 - 180	40	225	580	8 x M16	24 mm	90 - 120 Nm	52

* recommended for PE, uPVC or PVC-O pipes - insert [ref. 15.400]

Table of tolerances and pipes on next page



TABLE OF TOLERANCES AND PIPES

DN	Tolerances D min. - max. mm - mm	code		Pipes									
		PN10	PN16	HDPE / PE / PVC / PVC-u	Ductile iron		Steel	Asbestos cement					
				∅ ext. pipe mm	DN	∅ ext. pipe mm	∅ ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
50	39 - 52	10900500	10900500	40 50	-	-	42.4 48.3	-	-	-	-	-	-
50	49 - 64	10900501	10900501	50 63	40	56	48.3 60.3	-	-	-	-	-	-
60/65	63 - 83	10900502	10900502	63 75	50 60 65	66 77 82	76.1	50 60	66 76	66 76	66 76	66 76	66 78
80	78 - 103	10900503	10900503	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 -
80/100	87 - 117	10900504	10900504	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	100 - 130	10900505	10900505	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
125	117 - 147	10900506	10900506	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
150	152 - 182	10900507	10900507	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
200	198 - 228	10900508	10900508	200 225	200	222	219.1	200	220	222	228	-	-
200	245 - 285	109005091	109005091	250 280	200	274	273	200 250	- 272	- 276	- -	- -	250 -
250	245 - 285	10900509	10900509	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
300	300 - 340	10900510	10900510	315	300	326	323.9	300	324	330	338	-	-
300	340 - 380	109005111	109005111	315	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
350	343 - 378	10900511	10900511	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
400	390 - 430	10900513	10900514	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -



DISMANTLING JOINT
with steel zinc plated bolts
DN 40 - 1200 PN10/16/25/40

08.600



Product description

- Dismantling joint with steel zinc plated bolts for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16/25/40

Tests

- Tested according to EN 12266-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Dismantling joint for drinking water
- Facilitates installation and disassembly of flanged pipework and fittings, or equipment with flanges, such as valves, meters and pumps
- Allows for 50mm axis/longitudinal adjustments across the entire range
- Appropriate for pipe force transmission
- It consists of two main flanged parts, which slide between them, and a loose flange that compresses the sealing
- EPDM sealing gaskets drinking water approved
- Equipped with continuous threaded bolts, no additional screws are required for joint assembly
- On request possibility of NBR sealing.



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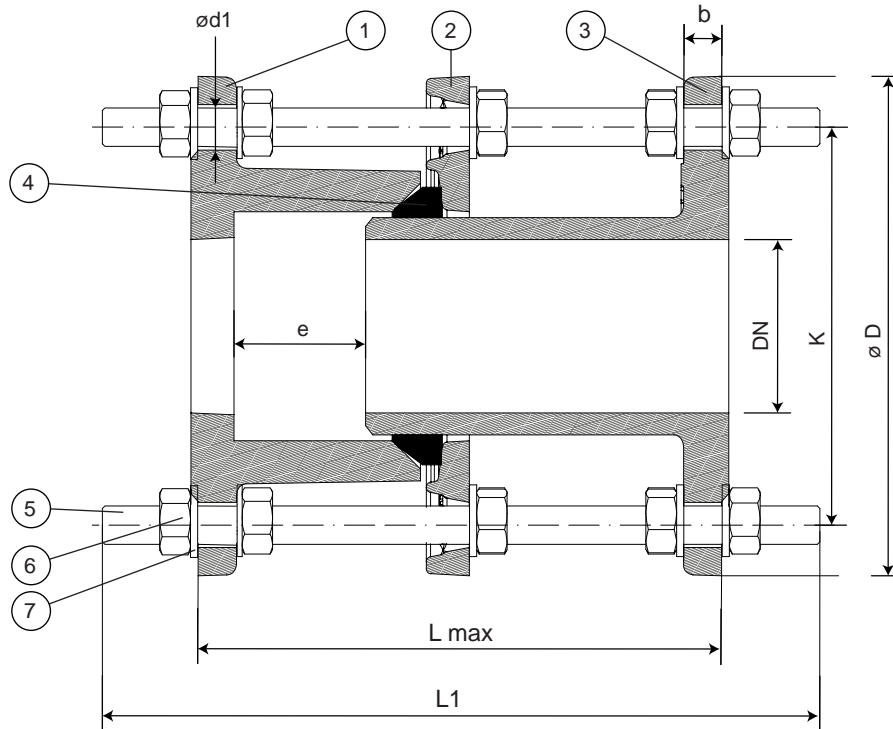
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DISMANTLING JOINT
with steel zinc plated bolts
 DN 40 - 1200 PN10/16/25/40

08.600



Component list

pos.	components	material	norma	pos.	components	material	norma
1	External flange	Ductile iron EN-GJS-500-7	EN 1563	4	Sealing	Elastomer EPDM	EN 681 - 1
2	Loose flange	Ductile iron EN-GJS-500-7	EN 1563	5	Threaded bolts	Steel zinc plated cl 8.8	ISO 898-1
3	Inside flange	Ductile iron EN-GJS-500-7	EN 1563	6	Nuts	Steel zinc plated cl 8	ISO 898-2
				7	Washers	Steel zinc plated	ISO 898-2

Reference and dimensions

DN	PN	code	L max	e	$\varnothing D$	K	n° x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
40	10/16	10101001	205	50	150	110	4 x 19	19	9	4 x M16	300
40	25	10101061	205	50	150	110	4 x 19	19	9	4 x M16	320
40	40	10101101	205	50	150	110	4 x 19	19	9	4 x M16	320
50	10/16	10101002	205	50	165	125	4 x 19	19	10	4 x M16	300
50	25	10101062	205	50	165	125	4 x 19	19	10	4 x M16	320
50	40	10101102	205	50	165	125	4 x 19	19	10	4 x M16	320
60	10/16	10101003	205	50	175	135	4 x 19	19	11	4 x M16	300
60	25	10101063	205	50	175	135	8 x 19	19	11	8 x M16	320
60	40	10101103	205	50	175	135	8 x 19	19	11	8 x M16	320
65	10/16	10101004	205	50	185	145	4 x 19	19	12	4 x M16	300
65	25	10101064	205	50	185	145	8 x 19	19	15	8 x M16	320
65	40	10101104	205	50	185	145	8 x 19	19	15	8 x M16	320
80	10/16	10101005	225	50	200	160	8 x 19	19	17	8 x M16	320
80	25	10101065	225	50	200	160	8 x 19	19	17	8 x M16	320
80	40	10101105	225	50	200	160	8 x 19	19	17	8 x M16	320
100	10/16	10101006	225	50	220	180	8 x 19	19	20	8 x M16	320
100	25	10101066	225	50	235	190	8 x 23	19	26	8 x M20	360
100	40	10101106	225	50	235	190	8 x 23	19	26	8 x M20	360
125	10/16	10101007	225	50	250	210	8 x 19	19	22	8 x M16	320

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DISMANTLING JOINT
with steel zinc plated bolts
DN 40 - 1200 PN10/16/25/40

08.600



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DN	PN	code	L max	e	ø D	K	n° x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
125	25	10101067	225	50	270	220	8 x 28	19	39	8 x M24	395
125	40	10101107	235	50	270	220	8 x 28	23.5	40	8 x M24	395
150	10/16	10101008	225	50	285	240	8 x 23	19	30	8 x M20	360
150	25	10101068	225	50	300	250	8 x 28	20	42	8 x M24	395
150	40	10101108	240	50	300	250	8 x 28	26	45	8 x M24	395
200	10	10101009	245	50	340	295	8 x 23	20	41	8 x M20	360
200	16	10101039	245	50	340	295	12 x 23	20	46	12 x M20	380
200	25	10101069	245	50	360	310	12 x 28	22	61	12 x M24	395
200	40	10101098	265	50	375	320	12 x 31	30	82	12 x M27	430
250	10	10101010	245	50	400	350	12 x 23	22	56	12 x M20	360
250	16	10101040	245	50	400	355	12 x 28	22	62	12 x M24	395
250	25	10101070	250	50	425	370	12 x 31	24.5	85	12 x M27	395
250	40	10101099	270	50	450	385	12 x 34	39.5	117	12 x M30	395
300	10	10101011	245	50	455	400	12 x 23	24.5	66	12 x M20	360
300	16	10101041	245	50	455	410	12 x 28	24.5	77	12 x M24	395
300	25	10101071	250	50	485	430	16 x 31	27.5	110	16 x M27	430
300	40	10101100	275	50	515	450	16 x 34	39.5	198	16 x M30	480
350	10	10101012	255	50	505	460	16 x 23	24.5	92	16 x M20	380
350	16	10101042	255	50	520	470	16 x 28	26.5	100	16 x M24	430
350	25	10101081	265	50	555	490	16 x 28	30	160	16 x M30	430
350	40	10101109	295	50	580	510	16 x 37	44	214	16 x M33	480
400	10	10101013	255	50	565	515	16 x 28	24.5	109	16 x M24	430
400	16	10101043	255	50	580	525	16 x 31	28	129	16 x M27	430
400	25	10101072	270	50	620	550	16 x 37	32	198	16 x M33	500
400	40	10101110	305	50	660	585	16 x 41	48	288	16 x M36	550
450	10	10101014	275	50	615	565	20 x 28	25.5	136	16 x M27	430
450	16	10101044	275	50	640	585	20 x 31	30	170	20 x M27	430
450	25	10101073	295	50	670	600	20 x 37	34.5	278	20 x M33	500
450	40	10101111	325	50	685	610	20 x 41	49	381	20 x M36	550
500	10	10101015	285	50	670	620	20 x 28	26.5	152	20 x M24	430
500	16	10101045	285	50	715	650	20 x 34	31.5	219	20 x M30	480
500	25	10101074	305	50	730	660	20 x 37	36.5	266	20 x M33	500
500	40	10101123	335	50	755	670	20 x 44	52	395	20 x M39	570
600	10	10101016	285	50	780	725	20 x 31	30	192	20 x M27	430
600	16	10101046	285	50	840	770	20 x 37	36	299	20 x M33	500
600	25	10101075	310	50	845	770	20 x 41	42	356	20 x M36	550
600	40	10101112	340	50	890	795	20 x 50	58	564	20 x M45	610
700	10	10101017	285	50	895	840	24 x 31	32.5	255	24 x M27	430
700	16	10101047	285	50	910	840	24 x 37	39.5	367	24 x M33	500
700	25	10101076	315	50	960	875	24 x 44	46.5	577	24 x M39	570
700	40	10101113	345	50	995	900	24 x 50	-	758	24 x M45	640
800	10	10101018	315	50	1015	950	24 x 34	35	340	24 x M30	480
800	16	10101048	315	50	1025	950	24 x 41	43	477	24 x M36	550
800	25	10101077	350	50	1085	990	24 x 50	51	692	24 x M45	610
800	40	10101114	420	50	1140	1030	24 x 58	-	1093	24 x M52	750
900	10	10101019	350	50	1115	1050	28 x 34	37.5	427	28 x M30	480

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DISMANTLING JOINT
with steel zinc plated bolts
DN 40 - 1200 PN10/16/25/40

08.600



continued from previous page

DN	PN	code	L max	e	∅ D	K	n° x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
900	16	10101049	350	50	1125	1050	28 x 41	46.5	547	28 x M36	550
900	25	10101078	385	50	1185	1090	28 x 50	55.5	888	28 x M45	640
900	40	10101115	425	50	1250	1140	28 x 58	-	1325	28 x M52	750
1000	10	10101020	360	50	1230	1160	28 x 37	40	529	28 x M33	540
1000	16	10101050	360	50	1255	1170	28 x 44	50	732	28 x M39	600
1000	25	10101079	400	50	1320	1210	28 x 57	60	1196	28 x M52	680
1000	40	10101116	435	50	1360	1250	28 x 58	-	1488	28 x M52	780
1200	10	10101021	450	50	1455	1380	32 x 41	45	890	32 x M36	670
1200	16	10101051	450	50	1485	1390	32 x 50	57	1196	32 x M45	710



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DISMANTLING JOINT
with stainless steel bolts
DN 40 - 1200 PN10/16/25

08.601



Product description

- Dismantling joint with stainless steel bolts for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16/25

Tests

- Tested according to EN 12266-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Dismantling joint for drinking water
- Facilitates installation and disassembly of flanged pipework and fittings, or equipment with flanges, such as valves, meters and pumps
- Allows for 50mm axis/longitudinal adjustments across the entire range
- Appropriate for pipe force transmission
- It consists of two main flanged parts, which slide between them, and a loose flange that compresses the sealing
- EPDM sealing gaskets drinking water approved
- Equipped with continuous threaded bolts, no additional screws are required for joint assembly
- On request possibility of NBR sealing and/or bolts and washers in stainless steel A4.



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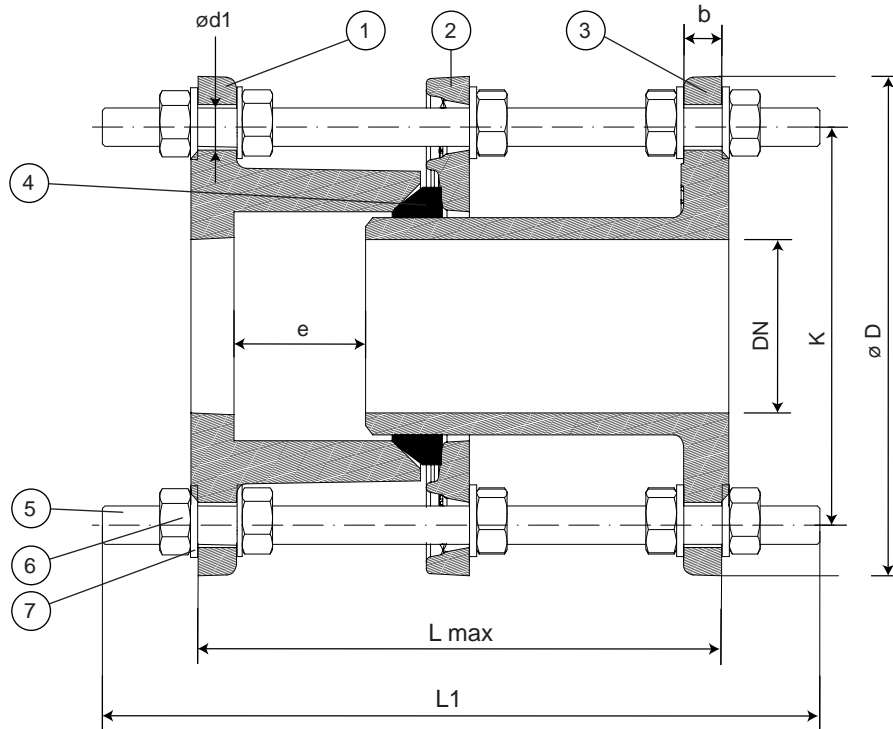
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DISMANTLING JOINT
with stainless steel bolts
 DN 40 - 1200 PN10/16/25

08.601



Component list

pos.	components	material	norma	pos.	components	material	norma
1	External flange	Ductile iron EN-GJS-500-7	EN 1563	4	Sealing	Elastomer EPDM	EN 681 - 1
2	Loose flange	Ductile iron EN-GJS-500-7	EN 1563	5	Threaded bolts	Stainless steel A2	EN 10088-1
3	Inside flange	Ductile iron EN-GJS-500-7	EN 1563	6	Nuts	Stainless steel A4	EN 10088-1
				7	Washers	Stainless steel A2	EN 10088-1

Reference and dimensions

DN	PN	code	L max	e	$\varnothing D$	K	n° x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
40	10/16	10101201	205	50	150	110	4 x 19	19	9	4 x M16	300
40	25	10101261	205	50	150	110	4 x 19	19	9	4 x M16	320
50	10/16	10101202	205	50	165	125	4 x 19	19	10	4 x M16	300
50	25	10101262	205	50	165	125	4 x 19	19	10	4 x M16	320
60	10/16	10101203	205	50	175	135	4 x 19	19	11	4 x M16	300
60	25	10101263	205	50	175	135	8 x 19	19	11	8 x M16	320
65	10/16	10101204	205	50	185	145	4 x 19	19	12	4 x M16	300
65	25	10101264	205	50	185	145	8 x 19	19	15	8 x M16	320
80	10/16	10101205	225	50	200	160	8 x 19	19	17	8 x M16	320
80	25	10101265	225	50	200	160	8 x 19	19	17	8 x M16	320
100	10/16	10101206	225	50	220	180	8 x 19	19	20	8 x M16	320
100	25	10101266	225	50	235	190	8 x 23	19	26	8 x M20	360
125	10/16	10101207	225	50	250	210	8 x 19	19	22	8 x M16	320
125	25	10101267	225	50	270	220	8 x 28	19	39	8 x M24	395
150	10/16	10101208	225	50	285	240	8 x 23	19	30	8 x M20	360
150	25	10101268	225	50	300	250	8 x 28	20	42	8 x M24	395
200	10	10101209	245	50	340	295	8 x 23	20	41	8 x M20	360
200	16	10101239	245	50	340	295	12 x 23	20	46	12 x M20	380
200	25	10101269	245	50	360	310	12 x 28	22	61	12 x M24	395

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DISMANTLING JOINT
with stainless steel bolts
DN 40 - 1200 PN10/16/25

08.601



continued from previous page

DN	PN	code	L max	e	ø D	K	nº x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
250	10	10101210	245	50	400	350	12 x 23	22	56	12 x M20	360
250	16	10101240	245	50	400	355	12 x 28	22	62	12 x M24	395
250	25	10101270	250	50	425	370	12 x 31	24.5	85	12 x M27	395
300	10	10101211	245	50	455	400	12 x 23	24.5	66	12 x M20	360
300	16	10101241	245	50	455	410	12 x 28	24.5	77	12 x M24	395
300	25	10101271	250	50	485	430	16 x 31	27.5	110	16 x M27	430
350	10	10101212	255	50	505	460	16 x 23	24.5	92	16 x M20	380
350	16	10101242	255	50	520	470	16 x 28	26.5	100	16 x M24	430
350	25	10101281	265	50	555	490	16 x 28	30	160	16 x M30	430
400	10	10101213	255	50	565	515	16 x 28	24.5	109	16 x M24	430
400	16	10101243	255	50	580	525	16 x 31	28	129	16 x M27	430
400	25	10101272	270	50	620	550	16 x 37	32	198	16 x M33	500
450	10	10101214	275	50	615	565	20 x 28	25.5	136	16 x M27	430
450	16	10101244	275	50	640	585	20 x 31	30	170	20 x M27	430
450	25	10101273	295	50	670	600	20 x 37	34.5	278	20 x M33	500
500	10	10101222	285	50	670	620	20 x 28	26.5	152	20 x M24	430
500	16	10101245	285	50	715	650	20 x 34	31.5	219	20 x M30	480
500	25	10101274	305	50	730	660	20 x 37	36.5	266	20 x M33	500
600	10	10101216	285	50	780	725	20 x 31	30	192	20 x M27	430
600	16	10101246	285	50	840	770	20 x 37	36	299	20 x M33	500
600	25	10101275	310	50	845	770	20 x 41	42	356	20 x M36	550
700	10	10101217	285	50	895	840	24 x 31	32.5	255	24 x M27	430
700	16	10101247	285	50	910	840	24 x 37	39.5	367	24 x M33	500
700	25	10101276	315	50	960	875	24 x 44	46.5	577	24 x M39	570
800	10	10101218	315	50	1015	950	24 x 34	35	340	24 x M30	480
800	16	10101248	315	50	1025	950	24 x 41	43	477	24 x M36	550
800	25	10101277	350	50	1085	990	24 x 50	51	692	24 x M45	610
900	10	10101219	350	50	1115	1050	28 x 34	37.5	427	28 x M30	480
900	16	10101249	350	50	1125	1050	28 x 41	46.5	547	28 x M36	550
900	25	10101278	385	50	1185	1090	28 x 50	55.5	888	28 x M45	640
1000	10	10101220	360	50	1230	1160	28 x 37	40	529	28 x M33	540
1000	16	10101250	360	50	1255	1170	28 x 44	50	732	28 x M39	600
1000	25	10101279	400	50	1320	1210	28 x 57	60	1196	28 x M52	680
1200	10	10101221	450	50	1455	1380	32 x 41	45	890	32 x M36	670
1200	16	10101251	450	50	1485	1390	32 x 50	57	1196	32 x M45	710



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Product description

- Gibault joint for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For uPVC pipes according EN ISO 1452-2

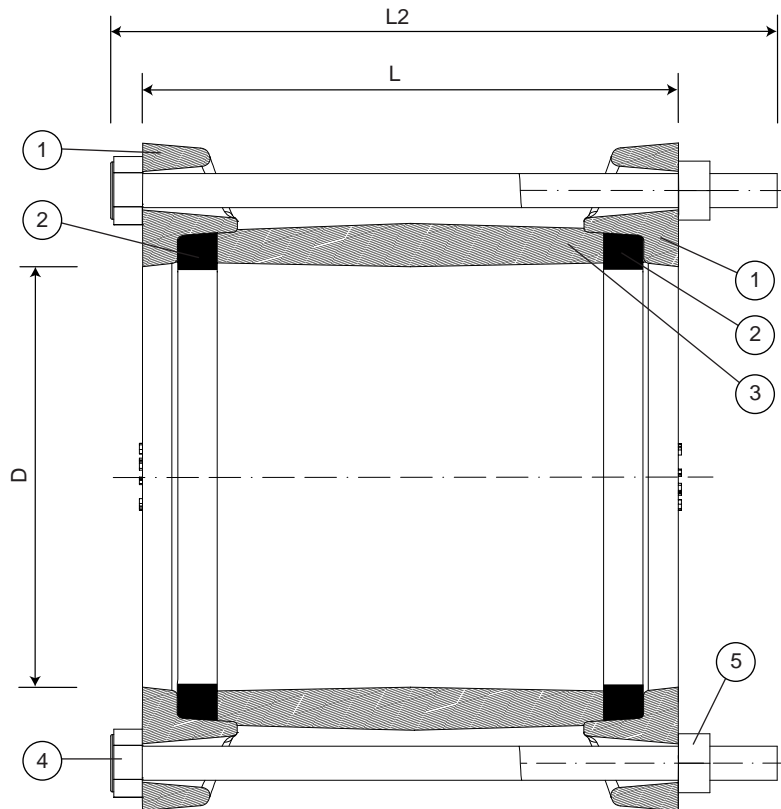
Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Joint for drinking water
- Allow a uPVC pipe connection, from the same diameter
- EPDM sealing gaskets
- Body and locking rings in EN-GJS-500-7 ductile cast iron, designed to ensure a perfect fit of the seal, ensuring that it does not come loose or twist during installation
- Designed for easy tube insertion, even for large diameters, ensuring simple and quick installation
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of bolts in stainless steel A2 or A4.






Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Sealings	Elastomer EPDM	EN 681 - 1
3	Body	Ductile iron EN-GJS-500-7	EN 1563
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

DN mm	code	D mm	L mm	Kg approx.	Bolt	L2 mm		Torque
50	10442210	52	84	2	2 x M12	115	19 mm	40 Nm
63	10442220	66	114	2	2 x M12	150	19 mm	40 Nm
75	10442230	78	114	2	2 x M12	150	19 mm	40 Nm
90	10442240	93	128	3	2 x M12	190	19 mm	40 Nm
110	10442250	113	142	6	2 x M12	180	19 mm	40 Nm
125	10442260	128	142	7	2 x M12	180	19 mm	40 Nm
140	10442270	143	142	8	3 x M12	180	19 mm	40 Nm
160	10442280	164	142	10	3 x M12	190	19 mm	40 Nm
180	10442290	184	142	11	3 x M12	190	19 mm	40 Nm
200	10442320	204	144	11	3 x M12	190	19 mm	40 Nm
250	10442310	254	164	20	4 x M16	230	24 mm	-
315	10442122	319	184	28	5 x M16	250	24 mm	-
400	10442330	406	182	38	6 x M16	250	24 mm	-
500	10442350	507	180	59	8 x M16	250	24 mm	-





Product description

- Dyssimetrical gibault joint for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Joint for drinking water
- Allows the connection of PVC pipes with different diameters
- EPDM sealing gaskets
- Body and locking rings in EN-GJS-500-7 ductile cast iron, designed to ensure a perfect fit of the seal, ensuring that it does not come loose or twist during installation
- Designed for easy tube insertion, even for large diameters, ensuring simple and quick installation
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of bolts in stainless steel A2 or A4.



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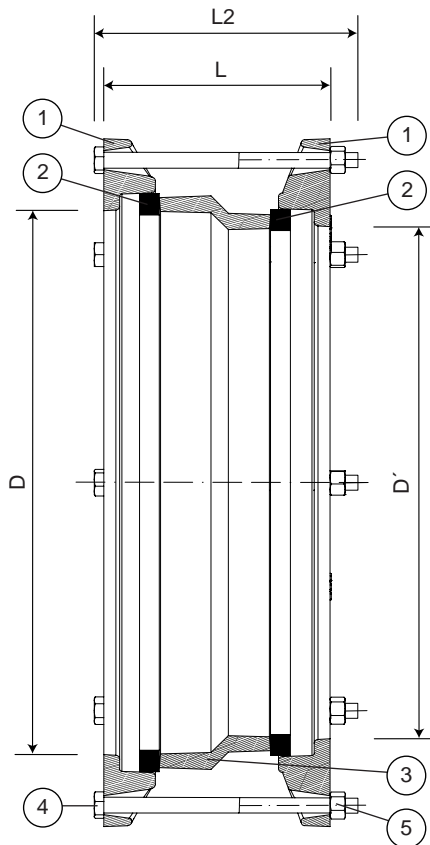
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DYSSIMETRICAL GIBALT JOINT

for uPVC pipes
63 - 140 PN16


08.800



Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Sealings	Elastomer EPDM	EN 681 - 1
3	Body	Ductile iron EN-GJS-500-7	EN 1563
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

uPVC pipe ø ext.	code	D mm	D' mm	L mm	Bolt	L2 mm		Kg approx.
75 63	10440014	78	66	149	2 x M12	150	19 mm	3
90 63	10440040	93	66	155	2 x M12	160	19 mm	2
90 75	10444037	93	78	151	2 x M12	160	19 mm	4
110 90	10444057	113	93	171	2 x M12	190	19 mm	6
125 110	10444165	128	113	180	2 x M12	180	19 mm	7
140 125	10444085	143	128	180	3 x M12	180	19 mm	8



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**Product description**

- Dyssimmetrical gibault joint for uPVC and asbestos-cement pipes or ductile cast iron pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For uPVC pipes according EN ISO 1452-2
- For asbestos-cement pipes and ductile cast iron pipe according to EN 545

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Joint for drinking water
- Allow a asbestos ciment pipe connection or ductile cast iron pipe, from the same diameter
- EPDM sealing gaskets
- Body and locking rings in EN-GJS-500-7 ductile cast iron, designed to ensure a perfect fit of the seal, ensuring that it does not come loose or twist during installation
- Designed for easy tube insertion, even for large diameters, ensuring simple and quick installation
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of bolts in stainless steel A2 or A4.

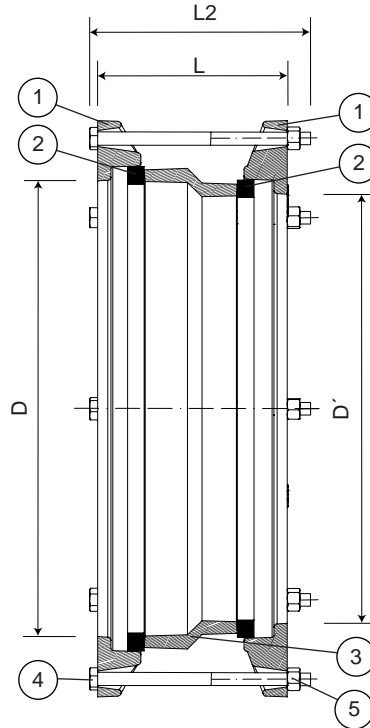


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DYSSIMETRICAL GIBALT JOINT
for uPVC and asbestos-ciment pipes or ductile cast iron pipes
 63 - 500 PN16


08.801



Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Sealings	Elastomer EPDM	EN 681 - 1
3	Body	Ductile iron EN-GJS-500-7	EN 1563
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

uPVC pipe ø ext.	asbestos ciment DN / class	FFD pipe DN - ø ext.	code	D' uPVC mm	D asb. / FFD mm	L mm	Bolt	L2 mm		Kg approx.
63	50 / 18 - 24 - 30	50 - 66	10444017	66	70	103	2 x M12	150	19 mm	3
63	60 / 18 - 24 - 30	50 - 66	10445390	66	82	99	2 x M12	150	19 mm	3
75	60 / 18 - 24 - 30	60 - 77	10440024	78	82	113	2 x M12	130	19 mm	3
75	80 / 12 - 18	80 - 98	10444032	78	100	120	2 x M12	130	19 mm	3
90	80 / 12 - 18	80 - 98	10445420	93	100	102	2 x M12	150	19 mm	5
90	100 / 12 - 18	100 - 118	10444052	93	122	99	2 x M12	150	19 mm	5
110	80 / 30	80 - 98	10444047	133	100	110	2 x M12	160	19 mm	6
110	100 / 12 - 18	100 - 118	10445410	113	122	110	2 x M12	150	19 mm	6
125	100 / 12 - 18	100 - 118	10444062	128	122	159	2 x M12	160	19 mm	6
125	125 / 18	125 - 144	10445440	128	149	111	3 x M12	160	19 mm	7
140	125 / 18	125 - 144	10444080	143	149	159	3 x M12	160	19 mm	8
140	150 / 18	150 - 170	10444092	143	178	141	3 x M12	190	19 mm	10
160	150 / 18	150 - 170	10445400	163	178	141	3 x M12	190	19 mm	11
200	200 / 18	200 - 222	10445460	204	232	142	4 x M12	190	19 mm	14
250	250 / 18	250 - 274	10444225	254	286	142	4 x M16	200	24 mm	22
315	300 / 18	300 - 326	10444147	319	342	164	5 x M16	230	24 mm	31
400	350 / 18	350 - 378	10445178	406	400	168	6 x M16	230	24 mm	53
400	400 / 18	400 - 429	10445187	406	457	171	6 x M16	250	24 mm	47
500	400 / 18	400 - 429	10445206	507	457	170	8 x M16	280	24 mm	-
500	500 / 18	500 - 532	10445208	507	574	183	8 x M20	280	30 mm	101



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**Product description**

- Gibault joint for asbestos-cement and ductile cast iron pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

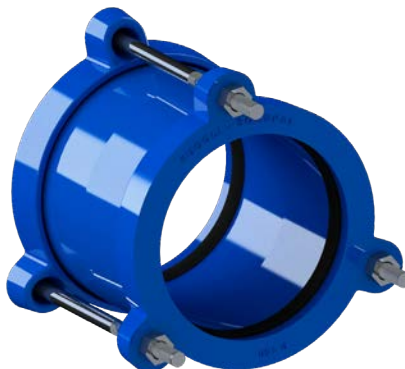
- For asbestos-cement pipes and ductile cast iron pipe according to EN 545

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Joint for drinking water
- Allow a asbestos cement pipe or ductile cast iron pipe connection, from the same diameter
- EPDM sealing gaskets
- Body and locking rings in EN-GJS-500-7 ductile cast iron, designed to ensure a perfect fit of the seal, ensuring that it does not come loose or twist during installation
- Designed for easy tube insertion, even for large diameters, ensuring simple and quick installation
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of bolts in stainless steel A2 or A4.

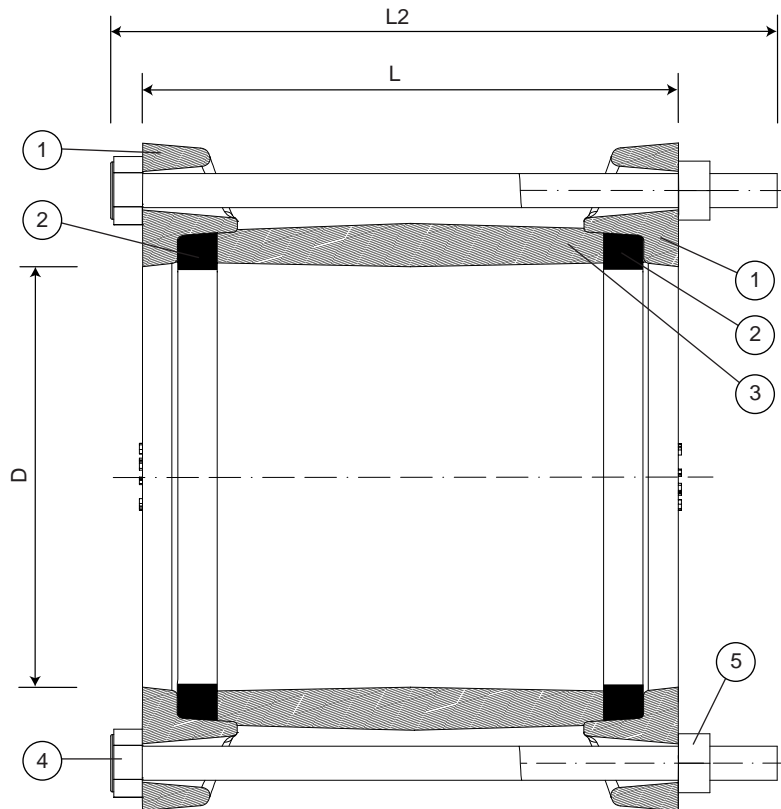


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GIBAULT JOINT
for asbestos-ciment and ductile cast iron pipes
DN 50 - 200 PN16


08.900



Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Sealings	Elastomer EPDM	EN 681 - 1
3	Body	Ductile iron EN-GJS-500-7	EN 1563
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

DN	asbestos ciment class	FFD pipe DN / ø ext.	code	D	L	Bolt	L2		Kg
mm				mm	mm		mm		approx.
50	18 - 24 - 30	50 / 66	10360020	70	56	2 x M12	90	19 mm	2
60	18 - 24 - 30	60 / 77	103600603	82	57	2 x M12	90	19 mm	4
80	12 - 18	80 / 98	10360070	100	56	2 x M12	100	19 mm	3
100	12 - 18	100 / 118	10360110	122	60	2 x M12	100	19 mm	4
125	18	125 / 144	10360150	149	60	3 x M12	115	19 mm	5
150	18	150 / 170	10360200	178	60	3 x M12	100	19 mm	7
200	18	200 / 222	10360250	232	66	4 x M12	115	19 mm	10



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Product description

- Blind joint for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Blind joint for drinking water
- Allows uPVC pipes to be capped
- EPDM sealing gaskets
- Body and locking ring in EN-GJS-500-7 ductile cast iron, designed to ensure a perfect fit of the seal, ensuring that it does not come loose or twist during installation
- Designed for easy tube insertion, even for large diameters, ensuring simple and quick installation
- This fitting does not guarantee the pipe blocking, they must be anchored by other means to guarantee that it will function well under pressure
- On request possibility of bolts in stainless steel A2 or A4.



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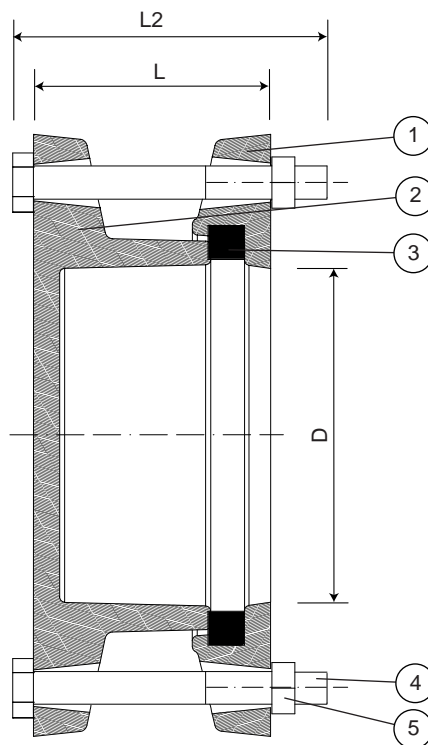
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Blind joint



Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563
3	Sealings	Elastomer EPDM	EN 681 - 1
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

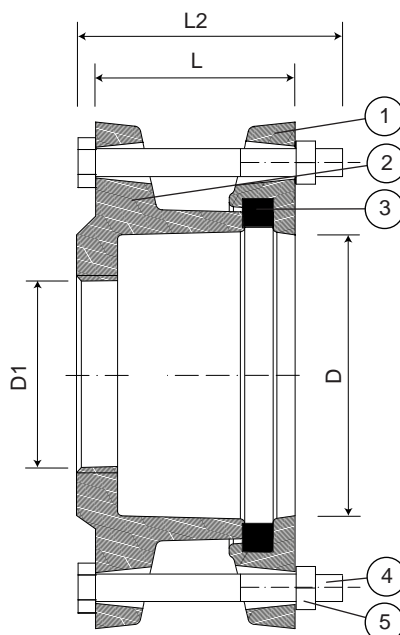
DN mm	code	D mm	L mm	Bolt	L2 mm		Kg approx.
50	10448010	52	57	2 x M12	90	19 mm	2
63	10448910	66	65	2 x M12	90	19 mm	2
75	10448039	78	67	2 x M12	100	19 mm	2
90	10448920	93	73	2 x M12	100	19 mm	3
110	10448930	113	80	2 x M12	115	19 mm	5
125	10448068	128	79	2 x M12	115	19 mm	6
140	10448072	143	81	3 x M12	115	19 mm	7
160	10448083	164	71	3 x M12	115	19 mm	8
180	10448091	184	-	3 x M12	115	19 mm	8
200	10448106	204	92	3 x M12	115	19 mm	10
250	10448113	254	97	4 x M16	130	24 mm	17
315	10448120	319	112	5 x M16	150	24 mm	25
400	10448130	406	136	6 x M16	200	30 mm	52
500	10448212	507	-	8 x M20	220	24 mm	77

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Blind joint with internal thread



Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563
3	Sealings	Elastomer EPDM	EN 681 - 1
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

DN	D1	code	D	L	Bolt	L2		Kg
mm	(BSP)		mm	mm		mm		approx.
50	G 1 "	-	52	57	2 x M12	90	19 mm	2
50	G 1 ½"	10448001	52	57	2 x M12	90	19 mm	2
63	G 1 "	10451504	66	65	2 x M12	90	19 mm	2
63	G 1 ½"	10451402	66	65	2 x M12	90	19 mm	2
63	G 2 "	10448026	66	65	2 x M12	90	19 mm	2
75	G 1 "	10448087	78	67	2 x M12	100	19 mm	3
75	G 1 ½"	10448085	78	67	2 x M12	100	19 mm	3
75	G 2 "	10448036	78	67	2 x M12	100	19 mm	3
90	G 1 "	10448074	93	73	2 x M12	115	19 mm	4
90	G 1 ½"	10448069	93	73	2 x M12	115	19 mm	4
90	G 2 "	10448075	93	73	2 x M12	115	19 mm	4
90	G 2 ½"	10448048	93	73	2 x M12	115	19 mm	4
110	G 1 "	10448052	113	80	2 x M12	115	19 mm	5
110	G 1 ½"	1044804602	113	80	2 x M12	115	19 mm	5
110	G 2 "	10448057	113	80	2 x M12	115	19 mm	5
110	G 2 ½"	-	113	80	2 x M12	115	19 mm	5
125	G 1 "	10448073	128	79	2 x M12	115	19 mm	6
125	G 1 ½"	10448047	128	79	2 x M12	115	19 mm	6
125	G 2 "	10448063	128	79	2 x M12	115	19 mm	6
125	G 2 ½"	-	128	79	2 x M12	115	19 mm	6
140	G 1 "	-	143	81	3 x M12	115	19 mm	7

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BLIND JOINT
for uPVC pipes
DN 50 - 500 PN16

08.1000



continued from previous page

Reference and dimensions

DN mm	D1 (BSP)	code	D mm	L mm	Bolt	L2 mm		Kg approx.
140	G 1 ½"	-	143	81	3 x M12	115	19 mm	7
140	G 2 "	-	143	81	3 x M12	115	19 mm	7
140	G 2 ½"	-	143	81	3 x M12	115	19 mm	7
160	G 1 "	10448088	164	71	3 x M12	115	19 mm	8
160	G 1 ½"	10448086	164	71	3 x M12	115	19 mm	8
160	G 2 "	-	164	71	3 x M12	115	19 mm	8
160	G 2 ½"	-	164	71	3 x M12	115	19 mm	8
180	G 1 "	-	184	-	3 x M12	115	19 mm	8
180	G 1 ½"	-	184	-	3 x M12	115	19 mm	8
180	G 2 "	-	184	-	3 x M12	115	19 mm	8
180	G 2 ½"	-	184	-	3 x M12	115	19 mm	8
200	G 1 "	-	204	92	3 x M12	115	19 mm	10
200	G 1 ½"	-	204	92	3 x M12	115	19 mm	10
200	G 2 "	-	204	92	3 x M12	115	19 mm	10
200	G 2 ½"	-	204	92	3 x M12	115	19 mm	10
200	G 3 "	-	204	92	3 x M12	115	19 mm	10
250	G 1 "	-	254	97	4 x M16	130	24 mm	17
250	G 1 ½"	-	254	97	4 x M16	130	24 mm	17
250	G 2 "	-	254	97	4 x M16	130	24 mm	17
250	G 2 ½"	-	254	97	4 x M16	130	24 mm	17
250	G 3 "	-	254	97	4 x M16	130	24 mm	17
315	G 1 "	-	319	112	5 x M16	150	24 mm	25
315	G 1 ½"	-	319	112	5 x M16	150	24 mm	25
315	G 2 "	-	319	112	5 x M16	150	24 mm	25
315	G 2 ½"	-	319	112	5 x M16	150	24 mm	25
315	G 3 "	10448125	319	112	5 x M16	150	24 mm	25
400	G 1 "	-	406	136	6 x M16	200	30 mm	52
400	G 1 ½"	-	406	136	6 x M16	200	30 mm	52
400	G 2 "	-	406	136	6 x M16	200	30 mm	52
400	G 2 ½"	-	406	136	6 x M16	200	30 mm	52
400	G 3 "	-	406	136	6 x M16	200	30 mm	52
500	G 1 "	-	507	-	8 x M20	220	24 mm	77
500	G 1 ½"	-	507	-	8 x M20	220	24 mm	77
500	G 2 "	-	507	-	8 x M20	220	24 mm	77
500	G 2 ½"	-	507	-	8 x M20	220	24 mm	77
500	G 3 "	-	507	-	8 x M20	220	24 mm	77



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BLIND GIBAULT JOINT
for asbestos-cement pipes and ductile cast iron pipes
DN 50 - 500 PN16

08.1001



Product description

- Blind gibault joint for asbestos-cement pipes and ductile cast iron pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For asbestos-cement pipes and ductile cast iron pipe according to EN 545

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Joint for drinking water
- Allows asbestos cement pipes or ductile cast iron pipes to be capped
- EPDM sealing gaskets
- Body and locking rings in EN-GJS-500-7 ductile cast iron, designed to ensure a perfect fit of the seal, ensuring that it does not come loose or twist during installation
- Designed for easy tube insertion, even for large diameters, ensuring simple and quick installation
- This fitting does not guarantee the pipe blocking, they must be anchored by other means to guarantee that it will function well under pressure
- On request possibility of bolts in stainless steel A2 or A4.



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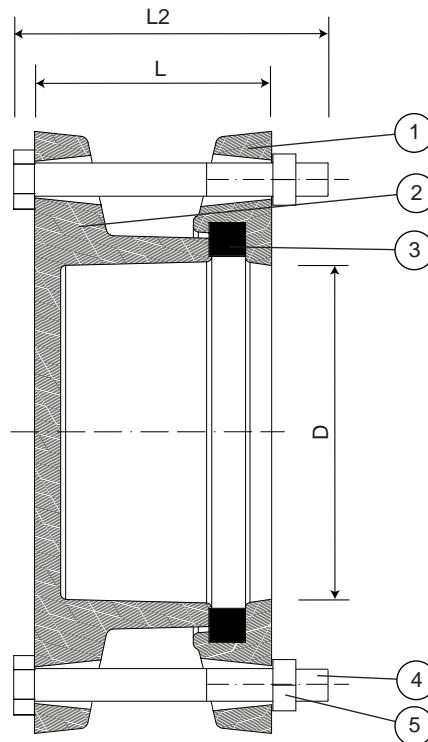
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BLIND GIBAULT JOINT
for asbestos-ciment pipes and ductile cast iron pipes
DN 50 - 500 PN16


08.1001



Component list

pos.	components	material	standard
1	Locking rings	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563
3	Sealings	Elastomer EPDM	EN 681 - 1
4	Bolts	Steel zinc plated cl 6.8	ISO 898-1
5	Nuts	Steel zinc plated cl 8	ISO 898-2

Reference and dimensions

DN mm	asbestos ciment class	FFD pipe DN - ø ext.	code	D mm	L mm	Bolt	L2 mm		Kg approx.
50	18 - 24 - 30	50 - 66	10354020	70	68	2 x M12	90	19 mm	2
60	18 - 24 - 30	60 - 77	10354045	82	66	2 x M12	90	19 mm	2
80	12 - 18	80 - 98	10354070	100	78	2 x M12	100	19 mm	4
100	12 - 18	100 - 118	10354110	122	85	2 x M12	115	19 mm	5
125	18	125 - 144	10354150	149	85	3 x M12	120	19 mm	6
150	18	150 - 170	10354190	178	95	3 x M12	130	19 mm	10
200	18	200 - 222	10354240	232	95	4 x M12	130	19 mm	13
250	18	250 - 274	10354290	286	120	4 x M16	170	19 mm	22
300	18	-	10354340	342	122	5 x M16	150	19 mm	31
350	18	-	10354390	400	122	6 x M16	170	19 mm	39
400	18	-	10354440	457	150	6 x M16	200	24 mm	61
500	18	-	10354540	574	155	8 x M20	180	30 mm	77



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Product description

- Flange adaptor for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring with drinking water approved EPDM
- Simple and fast instalation
- Flanged fitting connecting any flanged component with PVC pipe
- Allow a maximum deflection angles 3.5°
- Double flange drilling PN 10/16 for DN 50 to DN 300
- Maximum working pressure 16 bar, the max. pressure of service according to pipe standard
- This accessory does not guarantee the locking of the tubes, they must be anchored by other means
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510]
- On request possibility of sealing ring in NBR.



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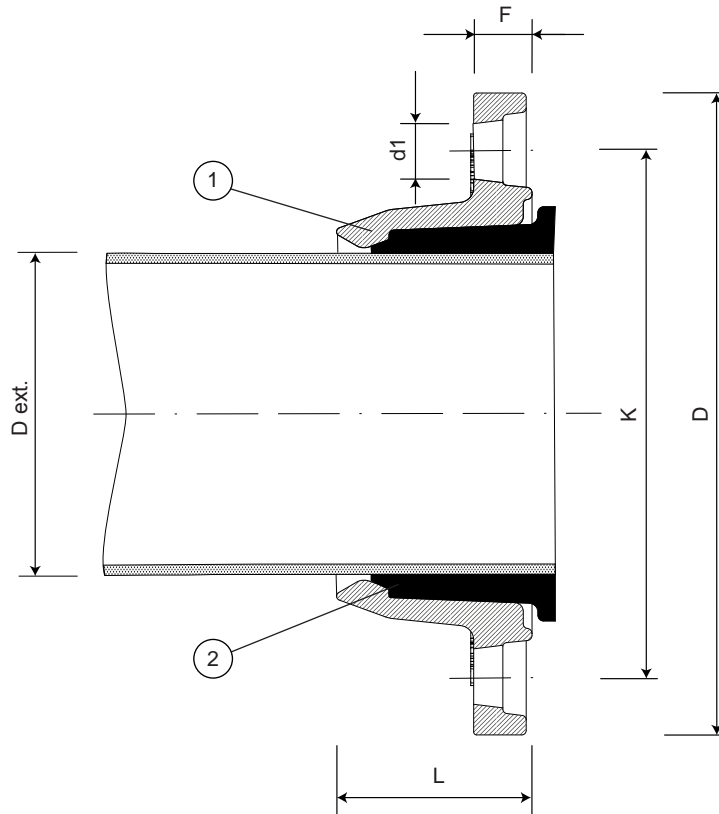
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FLANGE ADAPTOR FOR UPVC DN 50 - 500 PN10/16

09.100



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	D ext. uPVC	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	63	10/16	1013100501	165	48	20	125	4 x 19	2
50/60/65	63	10/16	1013100001	185	48	20	125/135/145	4 x 19	2
60/65	63	10/16	1013101001	185	48	20	135/145	4 x 19	2
60/65	75	10/16	1013101501	185	54	20	135/145	4 x 19	2
80	90	10/16	1013102001	200	56	20	160	8 x 19	3
100	90	10/16	1013102501	220	56	20	180	8 x 19	4
100	110	10/16	1013103001	220	62	20	180	8 x 19	4
125	125	10/16	1013103501	250	66	20	210	8 x 19	4
125	140	10/16	1013104001	250	66	20	210	8 x 19	4
150	160	10/16	1013104501	285	73	20	240	8 x 23	6
200	200	10/16	1013105001	340	84	21	295	8-12 x 23	8
200	225	10/16	1013105501	340	84	21	295	8-12 x 23	7
250	250	10/16	1013106001	400	101	22	350/355	12 x 23/28	11
250	280	10/16	1013106501	400	101	22	350/355	12 x 23/28	11
300	315	10/16	1013107001	455	111	23	400/410	12 x 23/28	14
400	400	10	1013107501	565	133	25	515	16 x 28	25
400	400	16	1013108001	580	133	25	515	16 x 31	26
500	500	10	1013108501	670	128	27	620	20 x 28	34
500	500	16	1013109001	715	128	27	650	20 x 34	44



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Product description

- Flange adaptor with tensile ring for uPVC/PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring with drinking water approved EPDM
- Simple and fast instalation
- Flanged fitting connecting any flanged component with a PE or UPVC pipe
- Allow a maximum deflection angles 3.5°
- Double flange drilling PN 10/16 for DN 40 to DN 300
- The insert [ref. 15.400] must be used in PE pipes to avoid deformation of the pipe
- Tensile ring for pipe blockage
- Maximum working pressure 16 bar, the max. pressure of service according to pipe standard
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510]
- On request possibility of sealing ring in NBR.



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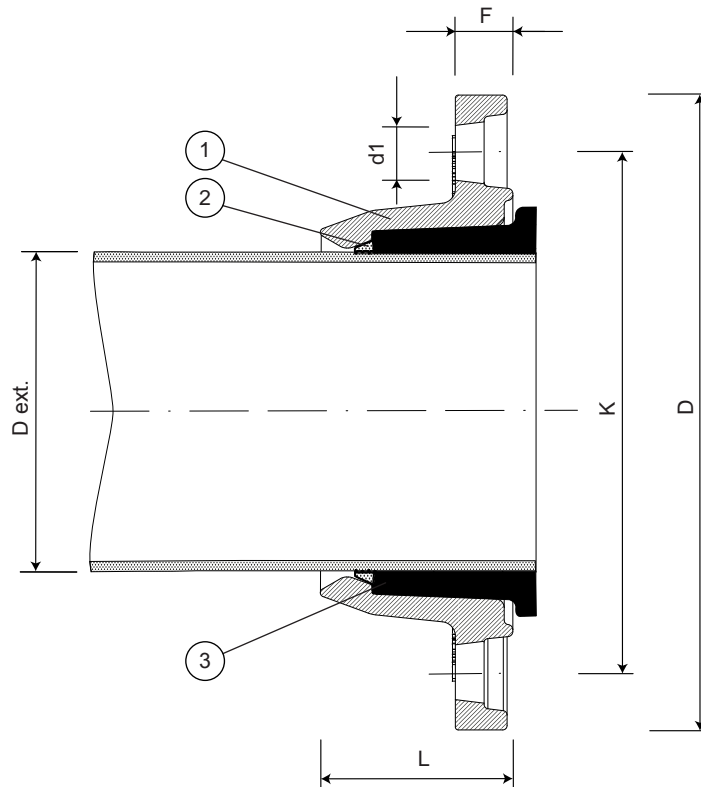
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FLANGE ADAPTOR WITH TENSILE RING FOR UPVC/PE DN 50 - 500 PN10/16

09.200



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Tensile ring	Brass	EN 1982
3	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	D ext. uPVC/PE	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	63	10/16	10132005	165	48	20	125	4 x 19	2
60/65	63	10/16	10132010	185	48	20	135/145	4 x 19	2
60/65	75	10/16	10132015	185	54	20	135/145	4 x 19	3
80	90	10/16	10132020	200	56	20	160	8 x 19	3
100	90	10/16	10132025	220	56	20	180	8 x 19	4
100	110	10/16	10132030	220	62	20	180	8 x 19	4
125	125	10/16	10132035	250	66	20	210	8 x 19	5
125	140	10/16	10132040	250	66	20	210	8 x 19	5
150	160	10/16	10132045	285	73	20	240	8 x 23	6
200	200	10/16	10132050	340	84	21	295	8-12 x 23	8
200	225	10/16	10132055	340	84	21	295	8-12 x 23	8
250	250	10/16	10132060	400	101	22	350/355	12 x 23/28	12
250	280	10/16	10132065	400	101	22	350/355	12 x 23/28	13
300	315	10/16	10132070	455	101	23	400/410	12 x 23/28	14
400	400	10	10132075	565	133	25	515	16 x 28	27
400	400	16	10132076	580	133	25	525	16 x 31	30
500	500	10	10132080	670	128	31	620	20 x 28	37
500	500	16	10132086	715	128	31	650	20 x 34	47



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Product description

- Flange adaptor with tensile ring for uPVC/PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring with drinking water approved EPDM
- Simple and fast instalation
- Flanged fitting connecting any flanged component with a PE or UPVC pipe
- Allow a maximum deflection angles 3.5°
- The insert [ref. 15.400] must be used in PE pipes to avoid deformation of the pipe
- Tensile ring for pipe blockage
- Maximum working pressure 16 bar, the max. pressure of service according to pipe standard
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510]
- On request possibility of sealing ring in NBR.

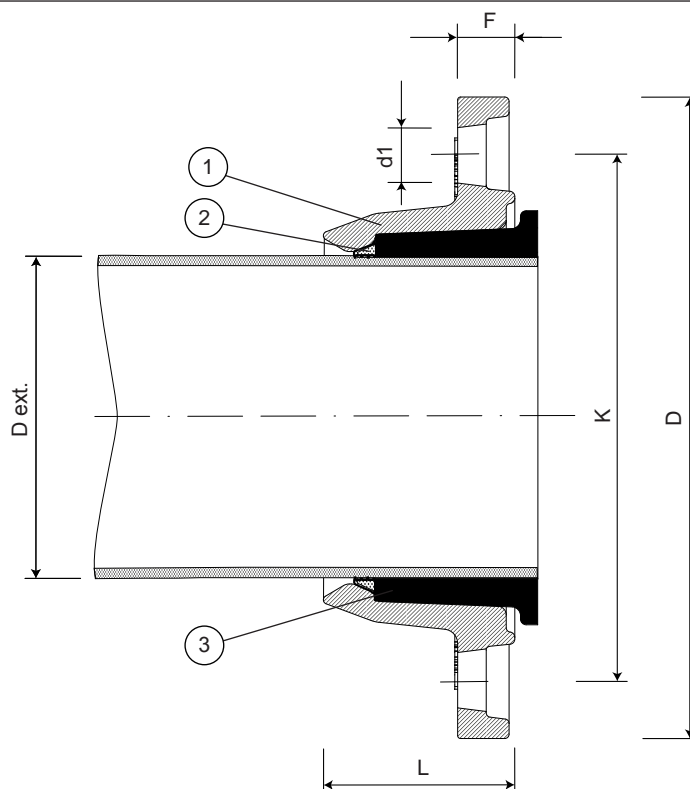


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Tensile ring	Brass	EN 1982
3	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	D ext. uPVC/PE	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	63	25	10134000	165	53	20	125	4 x 19	3
60/65	63	25	10134010	185	53	20	135/145	8 x 19	3
60/65	75	25	10134015	185	57	20	135/145	4 x 19	3
80	90	25	10134020	200	61	20	160	8 x 19	5
100	90	25	10134025	235	61	20	190	8 x 23	5
100	110	25	10134030	235	67	20	190	8 x 23	5
125	125	25	10134035	270	70	21	220	8 x 28	6
125	140	25	10134040	270	70	21	220	8 x 28	8
150	160	25	10134045	300	79	22	250	8 x 28	11
200	200	25	10134050	360	91	23	310	12 x 28	10
200	225	25	10134055	360	91	23	310	12 x 28	17
250	250	25	10134060	425	106	25	370	12 x 31	14
250	280	25	10134065	425	106	25	370	12 x 31	22
300	315	25	10134070	485	110	28	430	16 x 28	36
400	400	25	10134075	620	133	32	550	16 x 37	50
500	500	25	10134090	730	140	37	660	20 x 37	50



for PE and uPVC pipes

63 - 200 PN10/16

**Product description**

- Flange adaptor with BLOCKPLUS restrain system for PE and uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

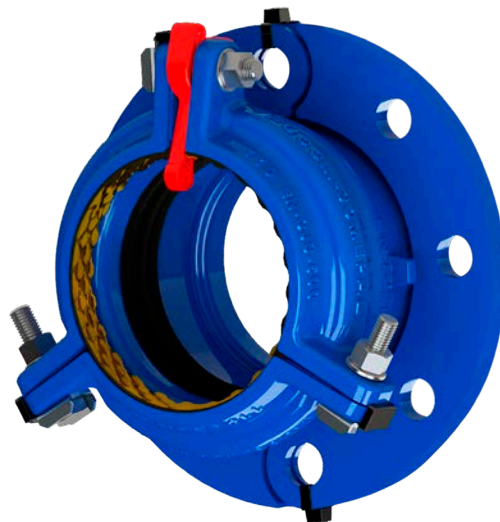
- For PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fittings for drinking water
- Ductile iron cast iron EN-GJS-500-7 body and ring
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and uPVC pipes, preventing axial pipe pull out
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Blockplus range: soft sealing gate valve (ref. 01.410), flange adaptor (ref. 09.210), double socket 90° (ref.10.2000), double socket 45° (ref. 10.2001), socket collar (ref. 10.2100), all socket tee (ref. 10.2200) and end cap socket (ref. 10.2300).



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DEUTSCHE KUNSTSTOFFFACHVEREINIGUNG
 FÜR ANWANDEREN UND PRÄMIATIONEN



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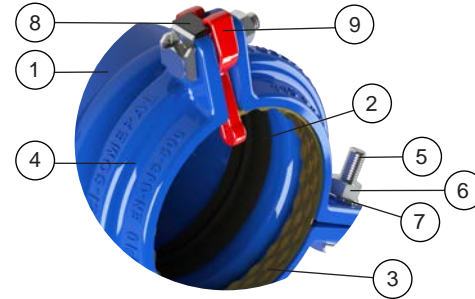
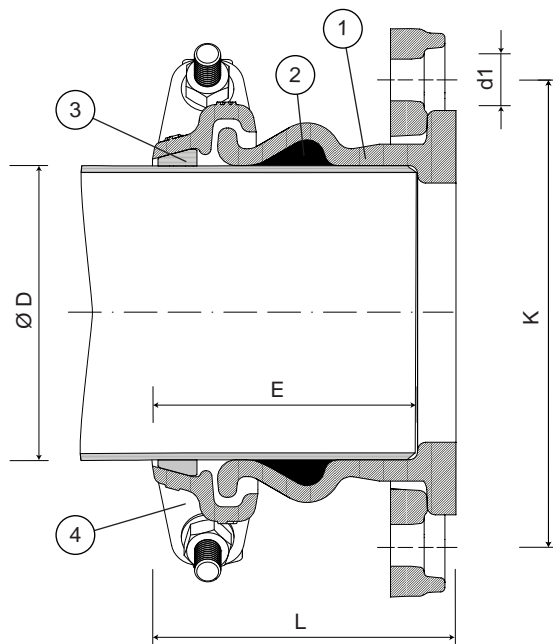


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Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Grip ring	Brass	EN 1982
4	Lock ring	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
5	Bolts	Stainless stell A2	EN 10088 - 1
6	Nuts	Stainless steel A4	EN 10088 - 1
7	Washer	Stainless stell A2	EN 10088 - 1
8	Bolt head locking device	Stainless stell A2 with protection coating	EN 10088 - 1
9	Stop tab	Polypropylene	-

Reference and dimensions

DN	Ø D ext. PE/PVC	code	L mm	E mm	K	n° x d1	Kg approx.
50	63	10132100	101	86	125	4 x 19	4
65	75	10132105	109	94	145	4 x 19	5
80	90	10132110	112	97	160	8 x 19	6
100	110	10132115	117	102	180	8 x 19	7
125	125	10132120	124	108	210	8 x 19	9
150	160	10132125	161	125	240	8 x 23	12
200	200	10132130	170	138	295	8-12 x 23	16





Product description

- Flange adaptor for ductile cast iron pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring with drinking water approved EPDM
- Simple and fast installation
- Flanged fitting connecting any flanged component
- Allow a maximum deflection angles 3.5°
- Double flange drilling PN 10/16 for DN 50 to DN 350
- Maximum working pressure 16 bar, the max. pressure of service according to pipe standard
- This accessory does not guarantee the locking of the tubes, they must be anchored by other means
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510]
- On request possibility of sealing ring in NBR.



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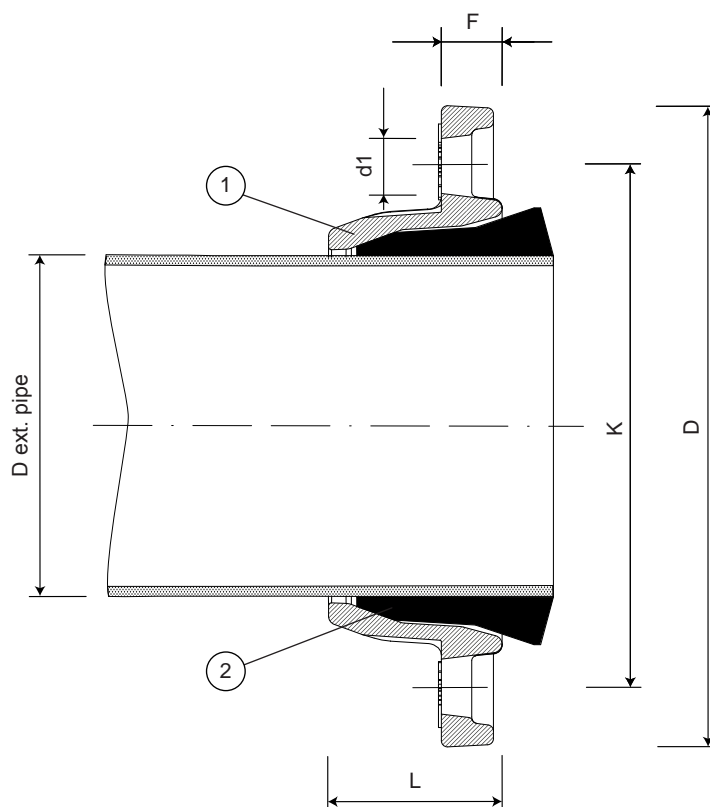


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	D ext.	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	66	10/16	10135010	165	45	21	125	4 x 19	2
60/65	77	10/16	10135020	185	48	21	135/145	4 x 19	3
65	82	10/16	10135030	185	48	21	145	4 x 19	3
80	98	10/16	10135040	200	56	21	160	8 x 19	3
100	118	10/16	10135050	220	60	21	180	8 x 19	4
125	144	10/16	10135060	250	65	21	210	8 x 19	5
150	170	10/16	10135070	285	70	22	240	8 x 23	6
200	222	10/16	10135080	340	89	22	295	8-12 x 23	9
250	274	10/16	10135090	400	101	22	350/355	12 x 23/28	12
300	326	10/16	10135100	455	104	24.5	400/410	12 x 23/28	15
350	378	10/16	10135110	520	114	29	460/470	16 x 23/28	22
400	429	10	10135120	565	124	29	515	16 x 28	24
400	429	16	10135125	580	124	29	525	16 x 31	31
450	480	10	10135130	615	131	30	565	20 x 28	29
450	480	16	10135135	640	131	30	585	20 x 31	32
500	532	10	10135140	670	136	31	620	20 x 28	31
500	532	16	10135145	715	136	31	650	20 x 34	38
600	200	10	10135150	780	141	35	725	20 x 31	46
600	200	16	10135155	840	141	35	770	20 x 37	60





Product description

- Blind flange for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Blind flange for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Simple and fast installation
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510].

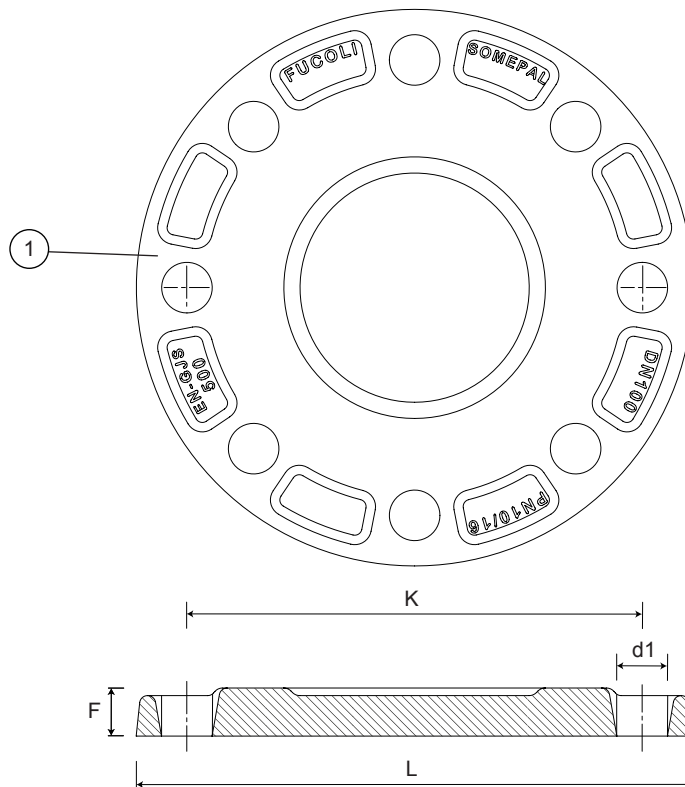


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	F mm	K mm	n° x d1 mm	Kg approx.
40	10/16/25	10122001	150	19	110	4 x 19	3
50	10/16/25	10122031	165	19	125	4 x 19	3
60/65	10/16	10122014	175/185	19	135/145	4 x 19	4
60/65	25	10124120	175/185	19	135/145	8 x 19	4
80	10/16	10122018	200	19	160	8 x 19	4
80	25	10124124	200	19	160	8 x 19	4
100	10/16	10122013	220	19	180	8 x 19	5
100	25	10124128	235	19	190	8 x 23	5
125	10/16	10122314	250	19	210	8 x 19	6
125	25	10124140	270	19	220	8 x 28	8
150	10/16	10122012	285	19	240	8 x 23	7
150	25	10124145	300	20	250	8 x 28	8
200	10/16	10124151	340	20	295	8-12 x 23	11
200	25	10124150	360	22	310	12 x 28	15
250	10/16	10124161	400	22	350/355	12 x 23/28	16
250	25	10124160	425	24.5	370	12 x 31	23
300	10/16	10124169	455	24.5	400/410	12 x 23/28	23
300	25	10124170	485	27.5	430	16 x 31	-
350	10	10122082	505	24.5	460	16 x 23	33
350	16	10122085	520	26.5	470	16 x 28	34
350	25	10124174	555	30	490	16 x 34	42
400	10	10122101	565	24.5	515	16 x 28	38

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BLIND FLANGE

DN 40 - 1000 PN10/16/25

09.400



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DN	PN	code	L mm	F mm	K mm	n° x d1 mm	Kg approx.
400	16	10122102	580	28	525	16 x 31	40
400	25	10124176	620	32	550	16 x 37	58
450	10	10122103	615	25.5	565	20 x 28	46
450	16	10122104	640	30	585	20 x 31	48
450	25	10124180	670	34.5	600	20 x 37	-
500	10	10122108	670	26.5	620	20 x 28	81
500	16	10124110	715	31.5	650	20 x 34	-
500	25	10124109	730	36.5	660	20 x 37	190
600	10	10122109	780	30	725	20 x 31	90
600	16	10122110	840	36	770	20 x 37	100
600	25	10124182	845	42	770	20 x 41	200
700	10	10122112	895	32.5	840	24 x 31	132
700	16	10122113	910	39.5	840	24 x 37	150
700	25	10124184	960	46.5	875	24 x 44	-
800	10	10122114	1015	35	950	24 x 34	191
800	16	10122115	1025	43	950	24 x 41	195
800	25	10124186	1085	51	990	24 x 50	240
900	10	10122116	1115	37.5	1050	28 x 34	220
900	16	10122117	1125	46.5	1050	28 x 41	-
900	25	10124188	1185	55.5	1090	28 x 50	-
1000	10	10122118	1230	40	1160	28 x 37	290
1000	16	10122119	1255	50	1170	28 x 44	400
1000	25	10124190	1320	60	1210	28 x 57	-



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Product description

- Thread flange for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16/25
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Thread flange for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Simple and fast installation
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510]
- Available with different thread sizes.

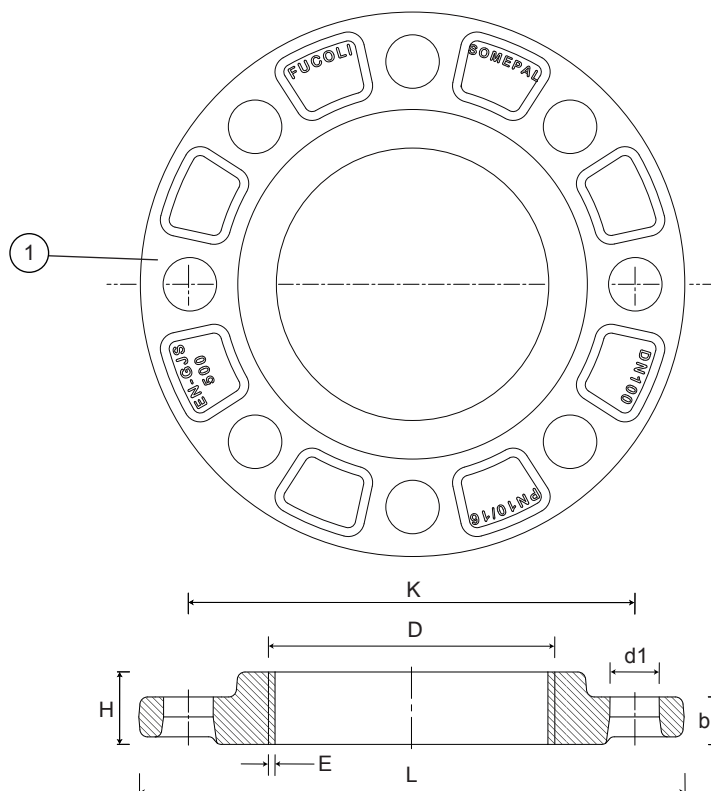


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	D1 (BSP)	PN	code	L mm	H mm	K mm	n° x d1 mm	b mm	E mm	Kg approx.
40	G 1 1/2"	10/16/25	10133009	150	29	110	4 x 19	19	1.25	2
50	G 2"	10/16/25	10133012	165	29	125	4 x 19	19	1.25	3
60/65	G 2 1/2"	10/16	10133029	175 / 185	29	135 / 145	4 x 19	19	1.25	4
60/65	G 2 1/2"	25	10133023	175 / 185	29	135 / 145	8 x 19	19	1.25	4
80	G 3"	10/16	10133033	200	29	160	8 x 19	19	1.25	4
80	G 3"	25	10133038	200	29	160	8 x 19	19	1.25	4
100	G 4"	10/16	10133041	220	29	180	8 x 19	19	1.25	4
100	G 4"	25	10133058	235	29	190	8 x 23	19	1.25	5
125	G 5"	10/16	10133050	250	29	210	8 x 19	19	1.25	6
125	G 5"	25	10133069	270	29	220	8 x 28	19	1.25	6
150	G 6"	10/16	10133064	285	29	240	8 x 23	19	1.25	7
150	G 6"	25	10133078	300	30	250	8 x 28	20	1.25	8
200	G 8"	10/16	101330751	340	30	295	8-12 x 23	20	1.5	9
200	G 8"	25	10133085	360	32	310	12 x 28	22	1.5	11
250	G 10"	10/16	101330801	400	32	350 / 355	12 x 23 / 28	22	1.5	14
250	G 10"	25	10133088	425	36.5	370	12 x 31	24.5	1.5	15
300	G 12"	10/16	101330901	455	34.5	400 / 410	12 x 23 / 28	24.5	1.5	17
300	G 12"	25	10133093	485	55	430	16 x 31	27.5	1.5	-
350	G 14"	10	10133095	505	34.5	460	16 x 23	24.5	1.5	24
350	G 14"	16	10133101	520	36.5	470	16 x 28	26.5	1.5	24
350	G 14"	25	10133098	555	40	490	16 x 34	30	1.5	30
400	G 16"	10	10133111	565	34.5	515	16 x 28	24.5	1.75	24

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THREAD FLANGE

DN 40 - 1000 PN10/16/25

09.401



continued from previous page

DN	D1 (BSP)	PN	code	L mm	H mm	K mm	nº x d1 mm	b mm	E mm	Kg approx.
400	G 16"	16	10133115	580	38	525	16 x 31	28	1.75	28
400	G 16"	25	10133118	620	42	550	16 x 37	32	1.75	32
450	G 18"	10	10133120	615	35.5	565	20 x 28	25.5	1.75	26
450	G 18"	16	10133125	640	40	585	20 x 31	30	1.75	36
450	G 18"	25	10133128	670	44.5	600	20 x 37	34.5	1.75	-
500	G 20"	10	10133135	670	36.5	620	20 x 28	26.5	1.75	32
500	G 20"	16	10133136	715	41.5	650	20 x 34	31.5	1.75	40
500	G 20"	25	10133138	730	76.5	660	20 x 37	36.5	1.75	-
600	G 24"	10	10133140	780	40	725	20 x 31	30	1.75	40
600	G 24"	16	10133145	840	46	770	20 x 37	36	1.75	-
600	G 24"	25	10133148	845	52	770	20 x 41	42	1.75	-
700	G 28"	10	10133150	895	42.5	840	24 x 31	32.5	1.75	45
700	G 28"	16	10133155	910	49.5	840	24 x 37	39.5	1.75	-
700	G 28"	25	10133158	960	-	-	-	46.5	1.75	-
800	G 32"	10	10133160	1015	45	950	24 x 34	35	1.75	60
800	G 32"	16	10133165	1025	53	950	24 x 41	43	1.75	-
800	G 32"	25	10133168	1085	-	-	-	51	1.75	-
900	G 36"	10	10133170	1115	-	-	-	-	-	80
900	G 36"	16	10133175	1125	-	-	-	-	-	-
900	G 36"	25	10133178	1185	-	-	-	-	-	-
1000	G 40"	10	10133180	1230	-	-	-	-	-	95
1000	G 40"	16	10133185	1255	-	-	-	-	-	-
1000	G 40"	25	10133188	1320	-	-	-	-	-	-

Other threads - On request.



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Product description

- Ductile iron pipe for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16/25

Tests

- All pipes are individually hydrostatically tested according to EN 545

Corrosion protection

- Pipe internal coating: sulfate-resistant centrifugal cement mortar (blast furnace cement mortar or equivalent) for drinking water and other water (excluding waste water)
- Pipe external coating: metallic zinc [200g/m²] + acrylic-pvdc paint finish layer + blue RAL 5005 enamel

Features

- Pipe for drinking water
- Body in ductile iron Rm > 420 MPa, elongation > 10%
- Flange and puddle flange ductile cast iron (EN-GJS-500-7)
- Puddle Flange from DN 50 to DN 200 are ajustable, from DN 250 to DN 800 are fixed. This innovation puddle flange system patented by Fucoli-Somepal was developed to facilitate the installation on site, due that can be placed at any point of the pipe length
- The pipes are provided with fixed flange(s) (when that is applicable)
- Ductile cast iron pipe available in 9 models:
 - A. Double spigot pipe
 - B. Flanged spigot pipe
 - C. Double flanged pipe
 - D. Double spigot pipe with adjustable puddle flange from DN 50 to DN 200
 - E. Flanged spigot pipe with adjustable puddle flange from DN 50 to DN 200
 - F. Double flanged pipe with adjustable puddle flange from DN 50 to DN 200
 - G. Double spigot pipe with fixed puddle flange from DN 250 to DN 800
 - H. Flanged spigot pipe with fixed puddle flange from DN 250 to DN 800
 - I. Double flanged pipe with fixed puddle flange from DN 250 to DN 800
- Available in length up to:
 - i. DN 50 to DN 600 length maximum 5900 mm
 - ii. DN 700 to DN 800 length maximum 3000 mm
- On request flanged pipe PN 25 and side thread outlet: 1", 2 ½" and 2".



A



B



C



D



E



F



G



H



I



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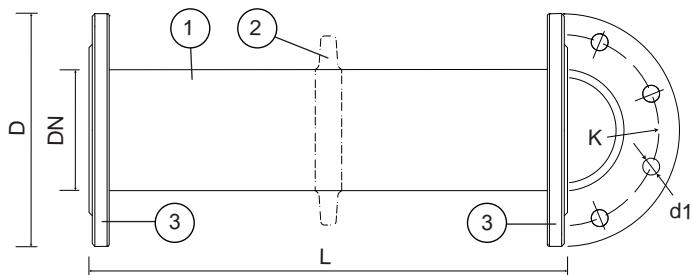
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PIPE

DN 50 - 800 PN10/16/25

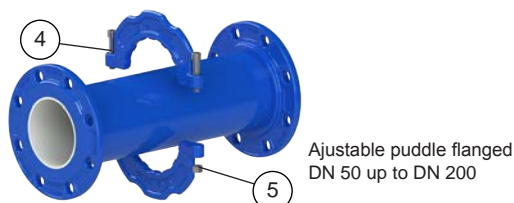
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Component list

pos.	components	material	standard
1	Pipe	Ductile iron Rm > 420MPa, elongation > 10%	EN 1563
2a*	Adjustable puddle flanged	Ductile iron EN-GJS-500-7	EN 1563
2b*	Fixed puddle flanged	Ductile iron EN-GJS-500-7	EN 1563
3	Flange	Ductile iron EN-GJS-500-7	EN 1563
4	Bolt	Steel zinc plated cl 8.8	ISO 898 - 1
5	Nut	Steel zinc plated cl 8.8	ISO 898 - 1

* 2a Available only from DN 50 to DN 200
* 2b Available only from DN 250 to DN 800



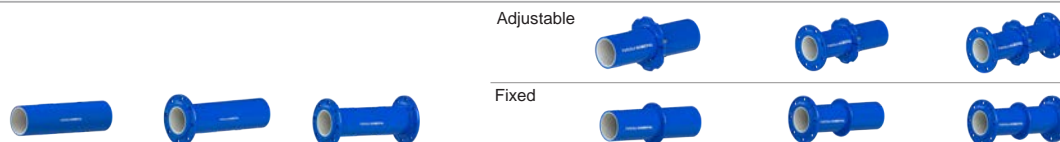
Reference and dimensions

Common on all models

Hole ϕ / ϕ and n^o of holes

DN	PN	D	K	n ^o x d1	DN	PN	D	K	n ^o x d1	DN	PN	D	K	n ^o x d1	DN	PN	D	K	n ^o x d1
50	10/16/25	165	125	4 x 19	125	10/16	250	210	8 x 19	300	10/16	455	400 410	12 x 23 - 28	600	10	780	725	20 x 31
60	10/16	175	135	4 x 19	125	25	270	220	8 x 28	300	25	485	430	16 x 31	600	16	840	770	20 x 37
60	25	175	135	8 x 19	150	10/16	285	240	8 x 23	400	10	565	515	16 x 28	600	25	845	770	20 x 41
65	10/16	185	145	4 x 19	150	25	300	250	8 x 28	400	16	580	525	16 x 31	700	10	895	840	24 x 31
65	25	185	145	8 x 19	200	10/16	340	295	8 - 12 x 23	400	25	620	550	16 x 37	700	16	910	840	24 x 37
80	10/16	200	160	8 x 19	200	25	360	310	12 x 28	500	10	670	620	20 x 28	700	25	960	875	24 x 44
80	25	200	160	8 x 19	250	10/16	400 405	300 355	12 x 23 - 28	500	16	715	650	20 x 34	800	10	1015	950	24 x 34
100	10/16	220	180	8 x 19	250	25	425	370	12 x 31	500	25	730	660	20 x 37	800	16	1025	950	24 x 41
100	25	235	190	8 x 23											800	25	1085	990	24 x 50

Models



Code of the 9 models available

DN	PN	ϕ ext. pipe	(A)	(B)	(C)	Puddle Flange	(D)-(G)	(E)-(H)	(F)-(I)
50	10 / 16	77	-	-	402030012	Adjustable	-	-	402030015
50	25	77	-	-	4020300125	Adjustable	-	-	4020300155
60	10 / 16	77	40203003	-	-	Adjustable	402030033	-	-
60/65	10 / 16	77	-	402030031	402030032	Adjustable	-	402030034	402030035
60/65	25	77	-	4020300315	4020300325	Adjustable	-	4020300345	4020300355
80	10 / 16	98	40203004	402030041	402030042	Adjustable	402030043	402030044	402030045
80	25	98	40203004	4020300415	4020300425	Adjustable	402030043	4020300445	4020300455
100	10 / 16	118	40203005	402030051	402030052	Adjustable	402030053	402030054	402030055
100	25	118	40203005	4020300515	4020300525	Adjustable	402030053	4020300545	4020300555
125	10 / 16	144	40203007	40203008	40203009	Adjustable	402030073	402030074	402030075
125	25	144	40203007	402030085	402030095	Adjustable	402030073	4020300745	4020300755
150	10 / 16	170	40203010	40203011	40203012	Adjustable	402030103	402030104	402030105
150	25	170	40203010	402030115	402030125	Adjustable	402030103	4020301045	4020301055
200	10 / 16	222	40203020	40203024	40203025	Adjustable	402030203	402030244	402030265
200	25	222	40203020	402030245	402030255	Adjustable	402030203	4020302445	4020302655
250	10 / 16	274	40203030	40203033	40203034	Fixed	402030303	402030334	402030355
250	25	274	40203030	402030335	402030345	Fixed	402030303	4020303345	4020303555
300	10 / 16	326	40203040	40203043	40203044	Fixed	402030403	402030434	402030485
300	25	326	40203040	402030435	402030445	Fixed	402030403	4020304345	4020304855

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PIPE

DN 50 - 800 PN10/16/25

09.500



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Código dos 9 modelos disponíveis

DN	PN	Ø ext. pipe	(A)	(B)	(C)	Puddle Flange	(D)-(G)	(E)-(H)	(F)-(I)
350	10	378	40203045	40203046	40203047	Fixed	402030453	402030454	402030455
350	16	378	40203045	402030466	402030476	Fixed	402030453	4020304546	4020304556
350	25	378	40203045	402030465	402030475	Fixed	402030453	4020304545	4020304555
400	10	429	40206009	402060091	402060092	Fixed	402060093	402060094	402060095
400	16	429	40206009	4020600916	4020600926	Fixed	402060093	4020600946	4020600956
400	25	429	40206009	4020600915	4020600925	Fixed	402060093	4020600945	4020600955
450	10	480	40206011	402030111	402060112	Fixed	402060113	402060114	402060115
450	16	480	40206011	4020301116	4020601126	Fixed	402060113	4020601146	4020601156
450	25	480	40206011	4020301115	4020601125	Fixed	402060113	4020601145	4020601155
500	10	532	40206010	402060101	402060102	Fixed	402060103	402060104	402060105
500	16	532	40206010	4020601016	4020601026	Fixed	402060103	4020601046	4020601056
500	25	532	40206010	4020601015	4020601025	Fixed	402060103	4020601045	4020601055
600	10	635	40206012	402060121	402060122	Fixed	402060123	402060124	402060125
600	16	635	40206012	4020601216	4020601226	Fixed	402060123	4020601246	4020601256
600	25	635	40206012	4020601215	4020601225	Fixed	402060123	4020601245	4020601255
700	10	738	40206013	402060131*	402060132*	Fixed	402060133*	402060134*	402060135*
700	16	738	40206013	4020601316*	4020601326*	Fixed	402060133*	4020601346*	4020601356*
700	25	738	40206013	4020601315*	4020601325*	Fixed	402060133*	4020601345*	4020601355*
800	10	842	40206014	402060141*	402060142*	Fixed	402060143*	402060144*	402060145*
800	16	842	40206014	4020601416*	4020601426*	Fixed	402060143*	4020601446*	4020601456*
800	25	842	40206014	402060141*5	4020601425*	Fixed	402060143*	4020601445*	4020601455*

* Maximum length up to 3000mm



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100% MADE IN EUROPE



Product description

- Ductile cast iron double movable flanged pipe for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Pipe for drinking water
- Body and flange in ductile cast iron (EN-GJS-500-7)
- Flanged fitting connecting any flanged component
- Puddle flange in the center of movable flanged pipe
- Ductile cast iron pipe available in 3 models:
 - A. Double movable flanged pipe L = 250 mm
 - B. Double movable flanged pipe L = 500 mm
 - C. Double movable flanged pipe with puddle flange L = 500 mm.



(A)



(B)



(C)



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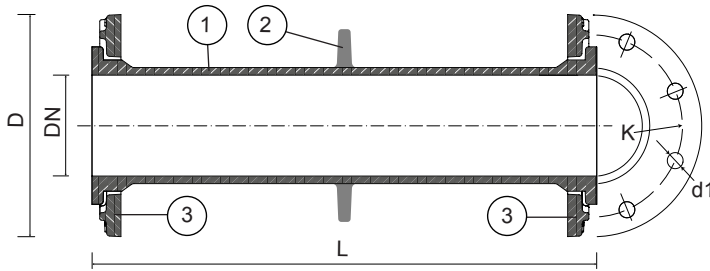
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DOUBLE MOVABLE FLANGED PIPE DN 40 - 500 PN10/16/25

09.501



Component list

pos.	components	material	standard
1	Pipe	Ductile iron EN-GJS-500-7	EN 1563
2*	Puddle flanged	Ductile iron EN-GJS-500-7	EN 1563
3	Flange	Ductile iron EN-GJS-500-7	EN 1563

* Only available in the model double movable flanged pipe with puddle flange

Reference and dimensions

Common on all models

Hole \varnothing / \varnothing and n° of holes														
DN	PN	D	K	n° x d1	DN	PN	D	K	n° x d1	DN	PN	D	K	n° x d1
40	10/16/25	150	110	4 x 19	125	10/16	250	210	8 x 19	300	10	455	400	12 x 23
50	10/16/25	165	125	4 x 19	125	25	270	220	8 x 28	300	16	455	410	12 x 28
60	10/16	175	135	4 x 19	150	10/16	285	240	8 x 23	300	25	485	430	16 x 31
60	25	175	135	8 x 19	150	25	300	250	8 x 28	400	10	565	515	16 x 28
65	10/16	185	145	4 x 19	200	10/16	340	295	8 - 12 x 23	400	16	580	525	16 x 31
65	25	185	145	8 x 19	200	25	360	310	12 x 28	400	25	620	550	16 x 37
80	10/16	200	160	8 x 19	250	10	400	350	12 x 23	500	10	670	620	20 x 28
80	25	200	160	8 x 19	250	16	400	355	12 x 28	500	16	715	650	20 x 34
100	10/16	220	180	8 x 19	250	25	425	370	12 x 31	500	25	730	660	20 x 37
100	25	235	190	8 x 23										

Models



(A)



(B)



(C)

DN	PN	code	L mm	Kg approx.
40	10/16	40207010	250	6
40	25	40207210	250	6
50	10/16	40207020	250	7
50	25	40207220	250	7
60	10/16	40207030	250	7
60	25	40207230	250	8
65	10/16	40207040	250	8
65	25	40207240	250	9
80	10/16	40207050	250	9
80	25	40207250	250	10
100	10/16	40207060	250	11
100	25	40207260	250	12
125	10/16	40207070	250	14
125	25	40207260	250	16
150	10/16	40207080	250	16
150	25	40207280	250	18
200	10/16	40207090	250	23
200	25	40207290	250	25
250	10	40207100	250	36
250	16	40207105	250	-
250	25	40207300	250	-
300	10	40207110	250	46
300	16	40207115	250	48
300	25	40207310	250	51

DN	PN	code	L mm	Kg approx.
40	10/16	40209011	500	8
40	25	40209210	500	8
50	10/16	40209020	500	9
50	25	40209220	500	9
60	10/16	40209030	500	10
60	25	40209230	500	11
65	10/16	40209040	500	11
65	25	40209240	500	11
80	10/16	40209050	500	13
80	25	40209250	500	13
100	10/16	40209060	500	15
100	25	40209260	500	17
125	10/16	40209070	500	17
125	25	40209270	500	17
150	10/16	40209080	500	23
150	25	40209280	500	25
200	10/16	40209090	500	35
200	25	40209290	500	35
250	10	40209100	500	45
250	16	40209105	500	46
250	25	40209300	500	49
300	10	40209110	500	60
300	16	40209115	500	61
300	25	40209310	500	65
400	10	40209120	500	94
400	16	40209125	500	99
400	25	40209320	500	112
500	10	40209130	500	124
500	16	40209135	500	145
500	25	40209330	500	152

DN	PN	code	L mm	Kg approx.
40	10/16	40215010	500	8
40	25	40215210	500	8
50	10/16	40215020	500	10
50	25	40215220	500	10
60	10/16	40215030	500	11
60	25	40215230	500	11
65	10/16	40215040	500	12
65	25	40215240	500	12
80	10/16	40215050	500	14
80	25	40215250	500	14
100	10/16	40215060	500	17
100	25	40215260	500	18
125	10/16	40215070	500	21
125	25	40215270	500	23
150	10/16	40215080	500	26
150	25	40215280	500	28
200	10/16	40215090	500	38
200	25	40215290	500	40
250	10	40215100	500	48
250	16	40215105	500	50
250	25	40215300	500	52
300	10	40215110	500	62
300	16	40215115	500	65
300	25	40215310	500	69
400	10	40215120	500	100
400	16	40215125	500	105
400	25	40215320	500	120
500	10	40215130	500	130
500	16	40215135	500	150
500	25	40215330	500	157



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- Double socket 90° bend for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.



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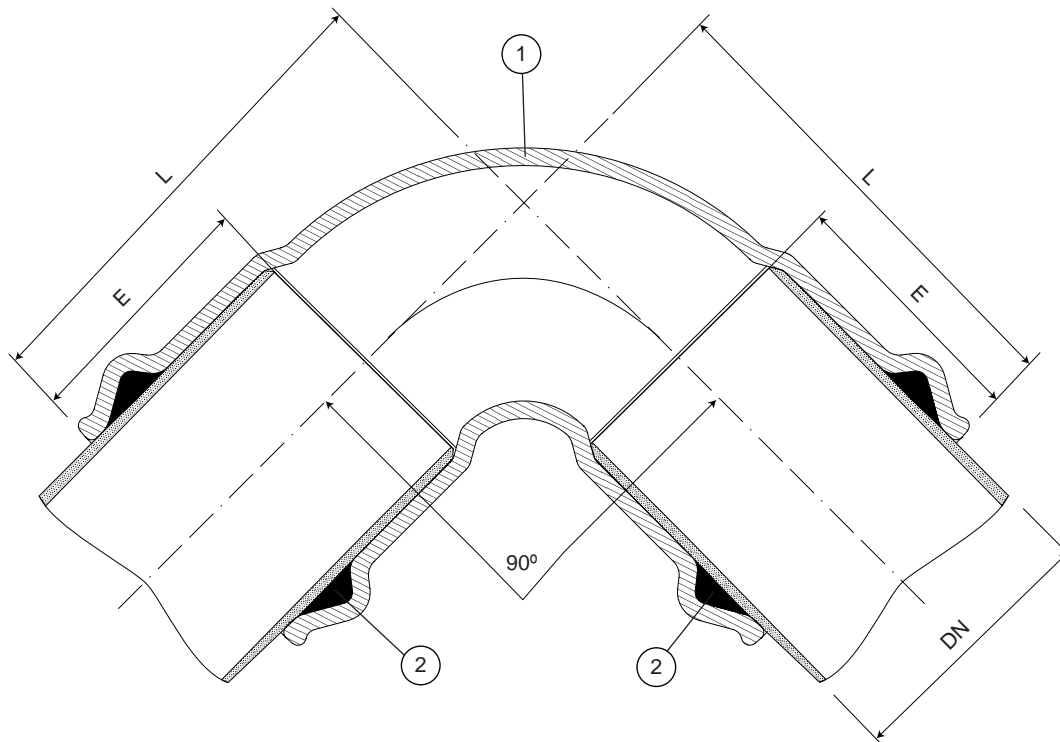
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DOUBE SOCKET 90° BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.100



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	1041900001	158	88	4
75	1041901001	166	90	4
90	1041902001	185	97	6
110	1041903001	203	105	9
125	1041904001	230	108	9
140	1041905001	244	110	11
160	1041906001	274	123	16
180	1041906501	290	128	20
200	1041907001	320	132	23
225	1041907501	355	135	27
250	1041908001	388	145	33
315	1041909001	463	160	57
400	1041909501	550	173	98



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- Double socket 45° bend for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.



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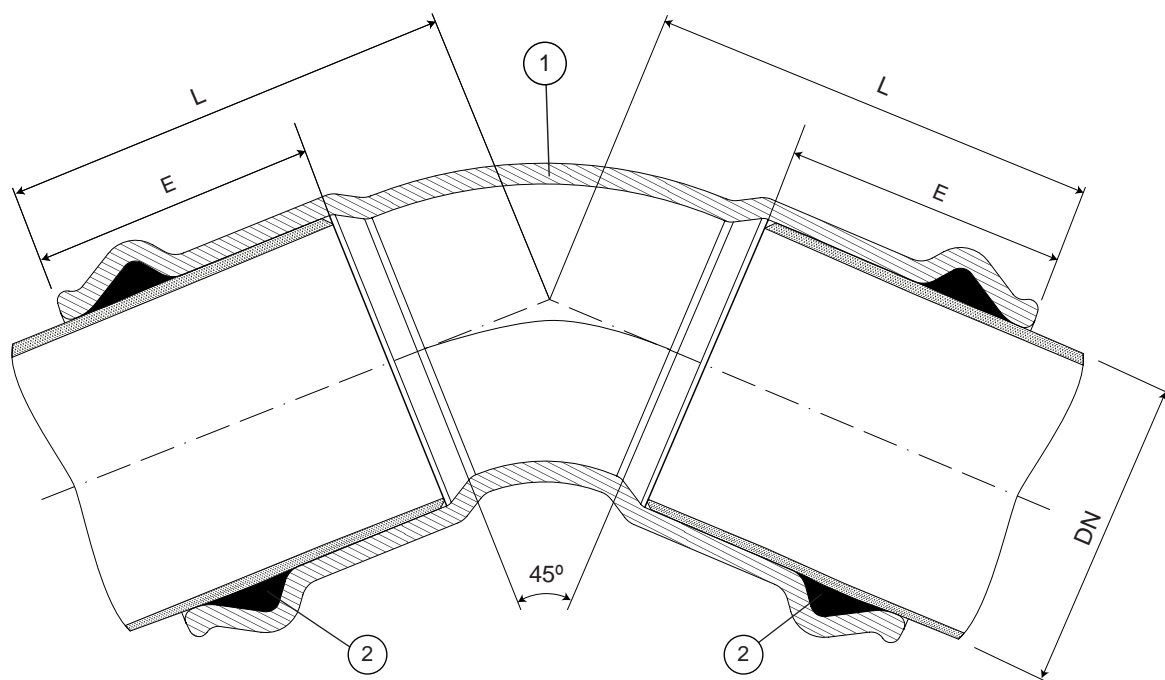
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DOUBE SOCKET 45° BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.101



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	1041910001	130	88	3
75	1041911001	137	90	4
90	1041912001	147	97	5
110	1041913001	165	105	8
125	1041914001	172	108	8
140	1041915001	183	110	10
160	1041916001	205	123	12
180	1041916501	215	128	16
200	1041917001	225	132	19
225	1041917501	246	135	23
250	1041918001	263	145	27
315	1041919001	308	160	39
400	1041919501	350	173	60



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- Double socket 22° 30' bend for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.



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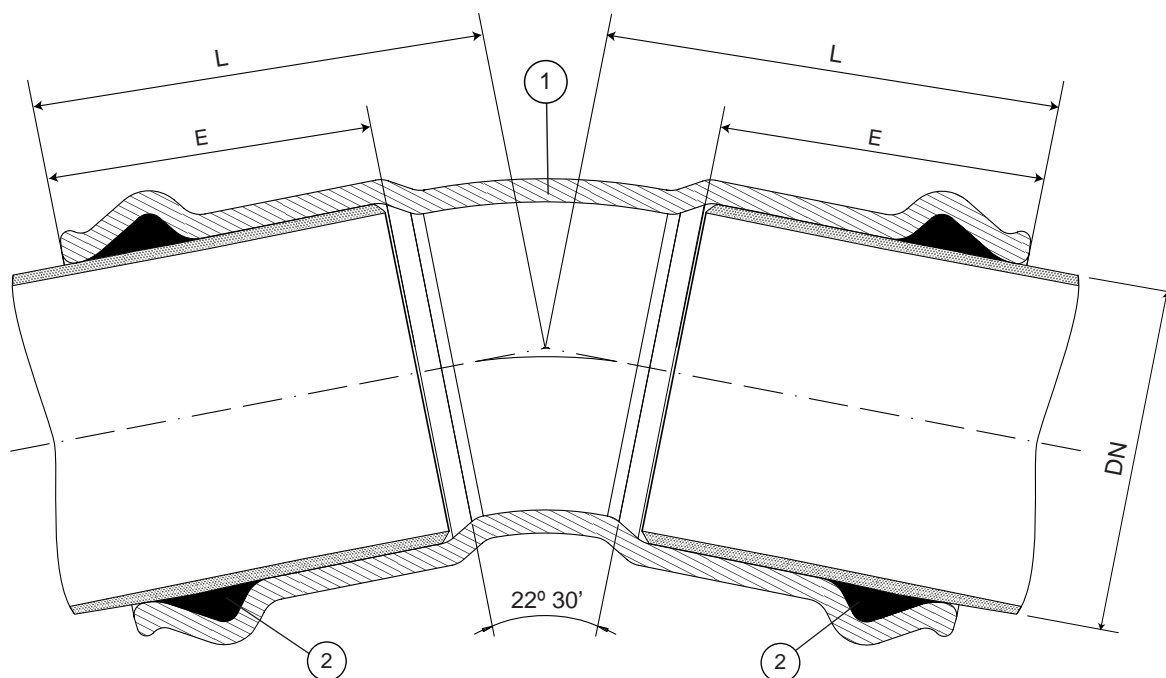
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DOUBE SOCKET 22° 30' BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.102



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	1041920001	117	88	3
75	1041921001	122	90	4
90	1041922001	135	97	5
110	1041923001	148	105	6
125	1041924001	154	108	7
140	1041925001	165	110	9
160	1041926001	181	123	11
200	1041927001	198	132	17
225	1041927501	215	135	20
250	1041928001	231	145	24
315	1041929001	265	160	37
400	1041929501	290	173	57



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- Double socket 11° 15' bend for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.

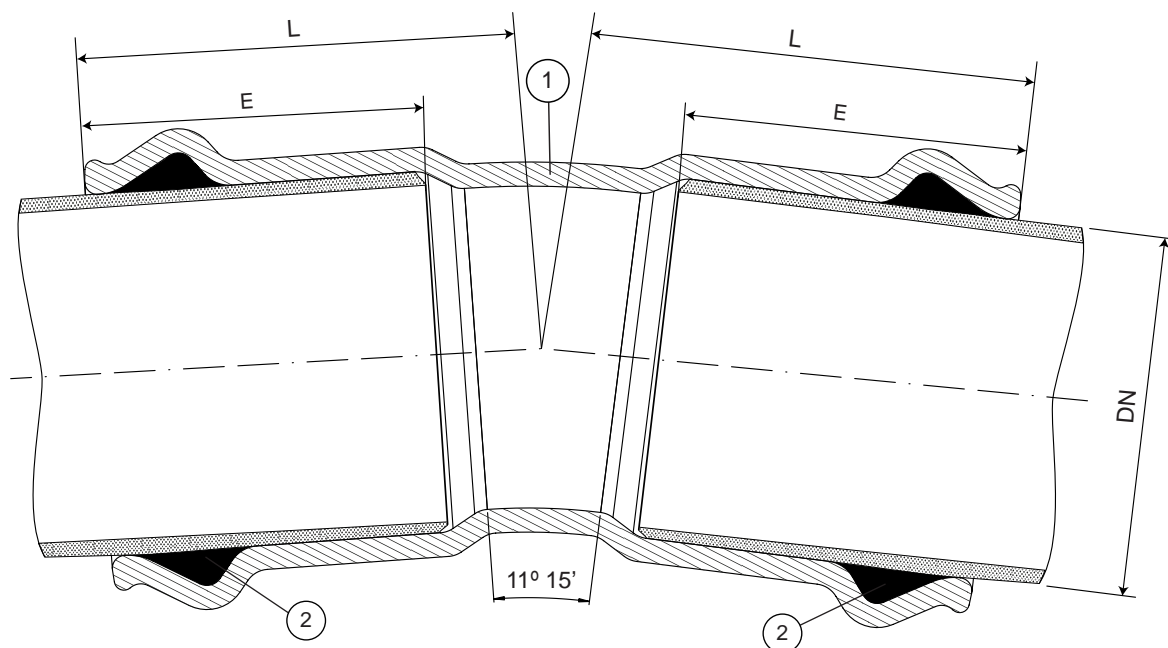


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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

$\varnothing D$ ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	1041930001	110	88	3
75	1041931001	114	90	4
90	1041932001	127	97	4
110	1041933001	140	105	6
125	1041934001	145	108	7
140	1041935001	155	110	8
160	1041936001	170	123	11
200	1041937001	185	132	17
225	1041937501	201	135	19
250	1041938001	215	145	23
315	1041939001	245	160	37
400	1041940001	270	173	55



Fittings

DN 80 - 150 PN10/16

**Product description**

- Movable flanged uPVC socket 90° duckfoot bend for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- Flange drilling to EN 1092-2 PN10/16
- For PVC pipes according to EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water
- Body and flange in ductile iron cast iron EN-GJS-500-7
- Fast and easy to install
- Suitable for uPVC pipe
- Socket ends with EPDM double lip seal ring to ensure a perfect sealing.

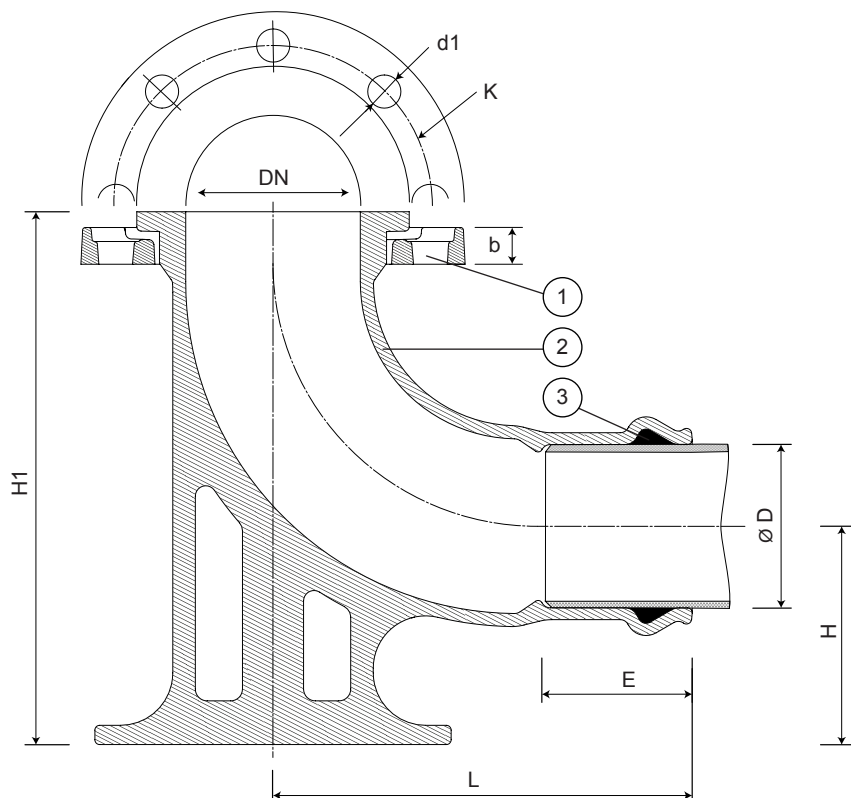
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MOVABLE FLANGED UPVC SOCKET 90° DUCKFOOT BEND

Fittings

DN 80 - 150 PN10/16

10.104



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563
3	Lip seal ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	Ø D ext. PVC	PN	code	L mm	E min	H mm	H1 mm	K mm	n° x d1 mm	b mm	Kg approx.
80	90	10/16	10001052	259	76	108	290	160	8 x 19	21	14
80	110	10/16	10001053	303	115	120	300	160	8 x 19	21	14
100	90	10/16	10001064	240	86	125	305	180	8 x 19	21	14
100	110	10/16	10001066	260	115	125	305	180	8 x 19	21	15
100	140	10/16	10001067	275	111	125	305	180	8 x 19	21	16
100	160	10/16	10001069	300	123	125	305	180	8 x 19	21	18
100	200	10/16	10001071	310	132	125	305	180	8 x 19	21	20
125	140	10/16	10001068	295	110	120	320	210	8 x 19	21	20
150	160	10/16	10001081	322	123	120	340	240	8 x 23	21	29
150	200	10/16	10001082	330	132	120	340	240	8 x 23	21	29



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Fittings for uPVC pipes

63 - 400 PN10/16/25

**Product description**

- Double socket taper for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

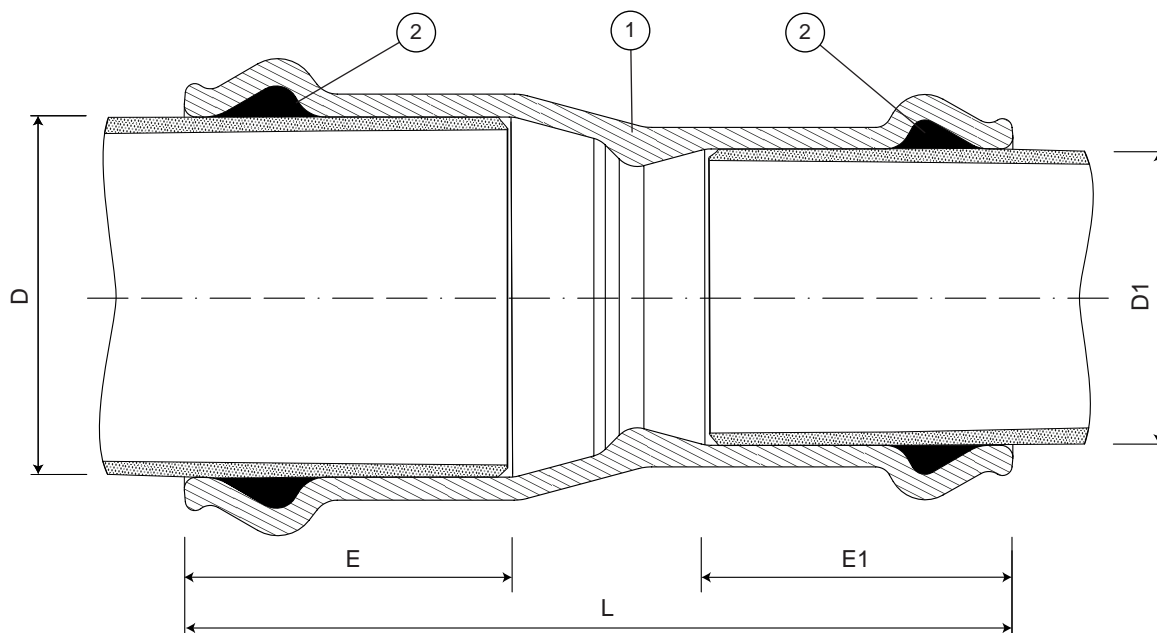
Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.

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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø D x Ø D1 ext. PE/uPVC	code	L mm	E mm	E1 mm	Kg approx.
75 x 63	1047001001	216	90	88	3
90 x 63	1047001501	235	97	88	5
90 x 75	1047002001	232	97	90	5
110 x 63	1047002501	251	105	88	5
110 x 75	1047003001	254	105	90	5
110 x 90	1047003501	260	105	97	7
125 x 63	1047003801	273	108	88	5
125 x 75	1047004001	277	108	90	6
125 x 90	1047004201	277	108	97	6
125 x 110	1047004401	277	108	105	7
140 x 63	1047004801	276	110	88	6
140 x 75	1047004901	280	110	90	7
140 x 90	1047005101	285	110	97	7
140 x 110	1047005301	287	110	105	7
140 x 125	1047005501	287	110	108	7
160 x 63	1047006501	297	123	88	8
160 x 75	1047006701	297	123	90	8
160 x 90	1047006901	298	123	97	9
160 x 110	1047007101	314	123	105	10
160 x 125	1047007301	311	123	108	10
160 x 140	1047007501	311	123	110	10
180 x 140	1047007651	325	128	110	12
180 x 160	1047007671	325	128	123	13
200 x 63	1047007901	366	132	80	12
200 x 75	1047008101	366	132	90	12

continued on next page

DOUBLE SOCKET TAPER FOR UPVC

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.200



continued from previous page

∅ D x ∅ D1 ext. PE/uPVC	code	L mm	E mm	E1 mm	Kg approx.
200 x 90	1047008301	367	132	97	13
200 x 110	1047008501	358	132	105	14
200 x 125	1047008701	356	132	108	14
200 x 140	1047008901	356	132	110	14
200 x 160	1047009101	368	132	123	15
200 x 180	1047009301	368	132	128	16
225 x 110	1047009701	355	134	105	15
225 x 160	1047009901	370	134	123	15
250 x 75	1047010201	402	145	97	16
250 x 90	1047010401	456	160	134	17
250 x 110	1047010601	402	145	105	17
250 x 125	1047010801	405	145	108	18
250 x 140	1047011001	407	145	110	18
250 x 160	1047011201	418	145	123	19
250 x 180	1047011301	408	145	128	20
250 x 200	1047011401	408	145	132	20
315 x 110	1047012201	456	160	105	22
315 x 160	1047012801	456	160	123	28
315 x 200	1047013001	456	160	132	29
315 x 225	1047013051	456	160	134	30
315 x 250	1047013401	536	173	145	33
400 x 140	1047013481	536	173	110	45
400 x 200	1047013521	536	173	132	49
400 x 315	1047013601	536	173	160	53



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- Double socket collar for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.



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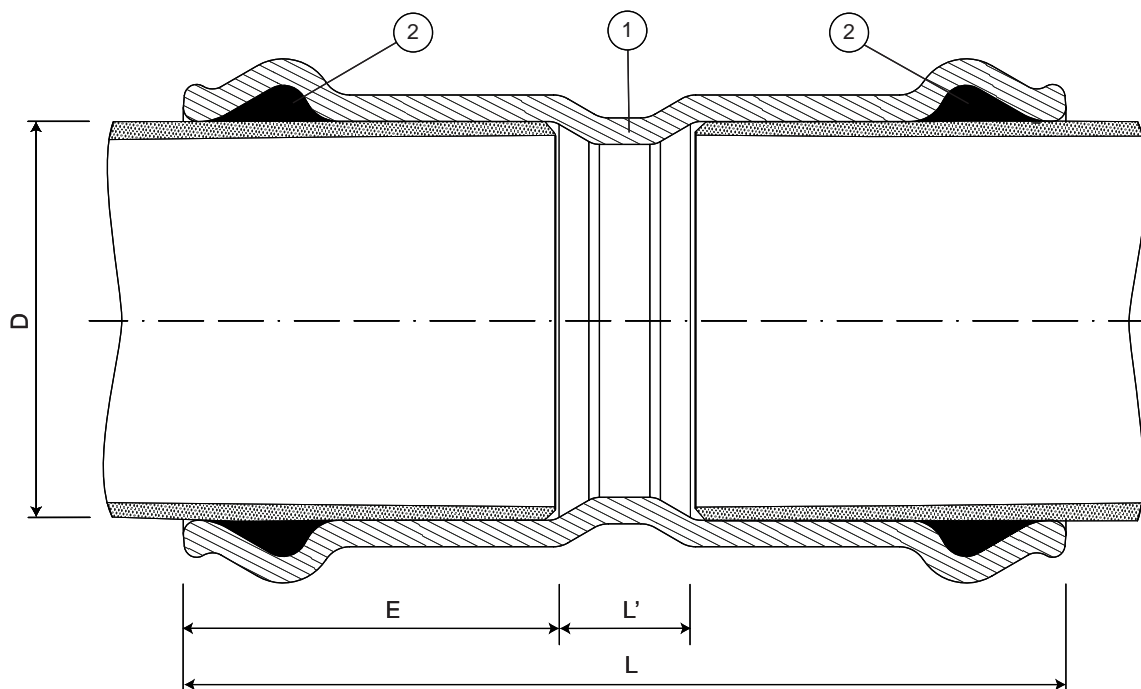
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DOUBE SOCKET COLLAR FOR uPVC

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.201



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

$\varnothing D$ ext. PE/uPVC	code	L mm	L' mm	E mm	Kg approx.
63	10471000	210	34	88	3
75	10471010	220	40	90	4
90	10471020	234	40	97	5
110	10471030	250	40	105	6
125	10471040	256	40	108	7
140	10471050	260	40	110	8
160	10471060	296	50	123	10
200	10471070	324	60	132	16
250	10471090	370	80	145	22
315	10471110	396	120	160	35
400	10471120	481	135	173	57



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- All socket tee for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.

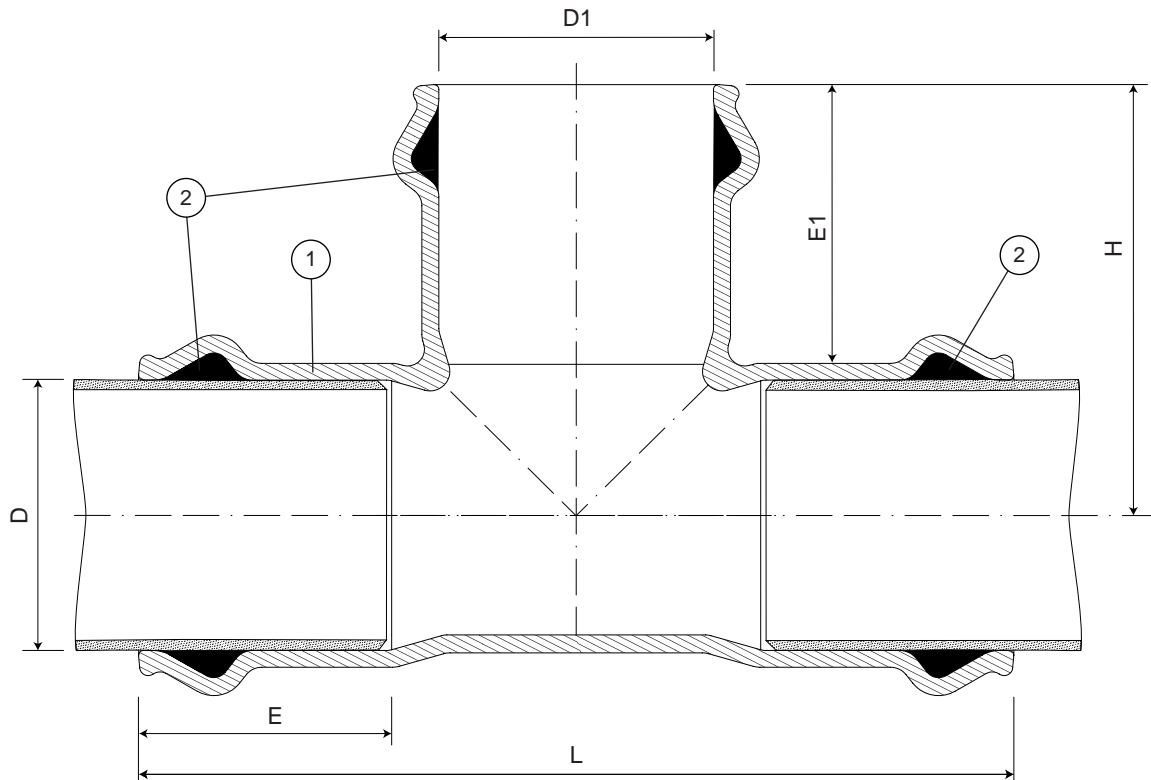


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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

D x D1 ext. PE/PVC	code	L mm	H mm	E mm	E1 mm	Kg approx.
63 x 63	1045100001	260	127	88	88	5
75 x 63	1045101001	268	134	90	88	6
75 x 75	1045101101	280	140	90	90	6
90 x 63	1045102001	292	142	97	88	7
90 x 75	1045102101	302	148	97	90	7
90 x 90	1045102201	316	164	97	97	8
110 x 63	1045103001	315	150	105	88	8
110 x 75	1045103101	327	156	105	90	9
110 x 90	1045103201	340	156	105	97	9
110 x 110	1045103301	360	180	105	105	10
125 x 63	1045103701	334	169	108	88	9
125 x 75	1045103901	345	162	108	90	10
125 x 90	1045104101	360	174	108	97	12
125 x 110	1045104301	377	179	108	105	12
125 x 125	1045104601	404	202	108	108	12
140 x 63	1045104701	342	169	110	88	10
140 x 75	1045104901	353	177	110	90	11
140 x 90	1045105101	368	181	110	97	11
140 x 110	1045105201	386	184	110	105	12
140 x 125	1045105301	410	206	110	108	14
140 x 140	1045105501	412	206	110	110	14

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ALL SOCKET TEE FOR uPVC
Fittings for uPVC pipes
 63 - 400 PN10/16/25

10.300



continued from previous page

D x D1 ext. PE/PVC	code	L mm	H mm	E mm	E1 mm	Kg approx.
160 x 63	1045105601	373	181	123	88	12
160 x 75	1045105701	384	188	123	90	13
160 x 90	1045105801	398	191	123	97	13
160 x 110	1045106001	416	197	123	105	14
160 x 125	1045106201	443	217	123	108	16
160 x 140	1045106401	443	217	123	110	16
160 x 160	1045106601	461	228	123	123	16
180 x 180	1045106900	437	219	128	128	23
200 x 63	1045107001	389	200	132	80	17
200 x 75	1045107101	395	204	132	90	18
200 x 90	1045107201	405	216	132	97	19
200 x 110	1045107301	422	220	132	105	19
200 x 125	1045107401	485	238	132	108	22
200 x 140	1045107501	485	238	132	110	22
200 x 160	1045107601	470	252	132	123	23
200 x 200	1045107701	520	255	132	132	26
250 x 63	1045108001	464	255	145	88	27
250 x 75	1045108101	475	230	145	90	27
250 x 90	1045108201	489	241	145	97	27
250 x 110	1045108301	507	234	145	105	27
250 x 125	1045108401	534	266	145	108	32
250 x 140	1045108501	534	266	145	110	33
250 x 160	1045108601	552	266	145	123	34
250 x 200	1045108701	597	268	145	132	35
250 x 250	1045108801	627	332	145	145	41
315 x 63	1045109001	520	258	160	88	41
315 x 75	1045109101	530	260	160	90	43
315 x 90	1045109201	543	262	160	97	43
315 x 110	1045109301	561	267	160	105	44
315 x 125	1045109401	588	285	160	108	47
315 x 140	1045109501	588	290	160	110	49
315 x 160	1045109601	606	299	160	123	50
315 x 200	1045109701	665	325	160	132	54
315 x 250	1045109801	715	350	160	145	61
315 x 315	1045109901	746	379	160	160	67
400 x 110	1045110301	653	328	173	105	76
400 x 140	1045110501	680	353	173	110	79
400 x 250	1045110801	807	405	173	145	97
400 x 315	1047013601	838	441	173	160	105
400 x 400	1045111001	960	489	173	173	130



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100% MADE IN EUROPE

Fittings for uPVC pipes

63 - 400 PN10/16/25

**Product description**

- Double socket tee for uPVC pipes with flanged branch for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.

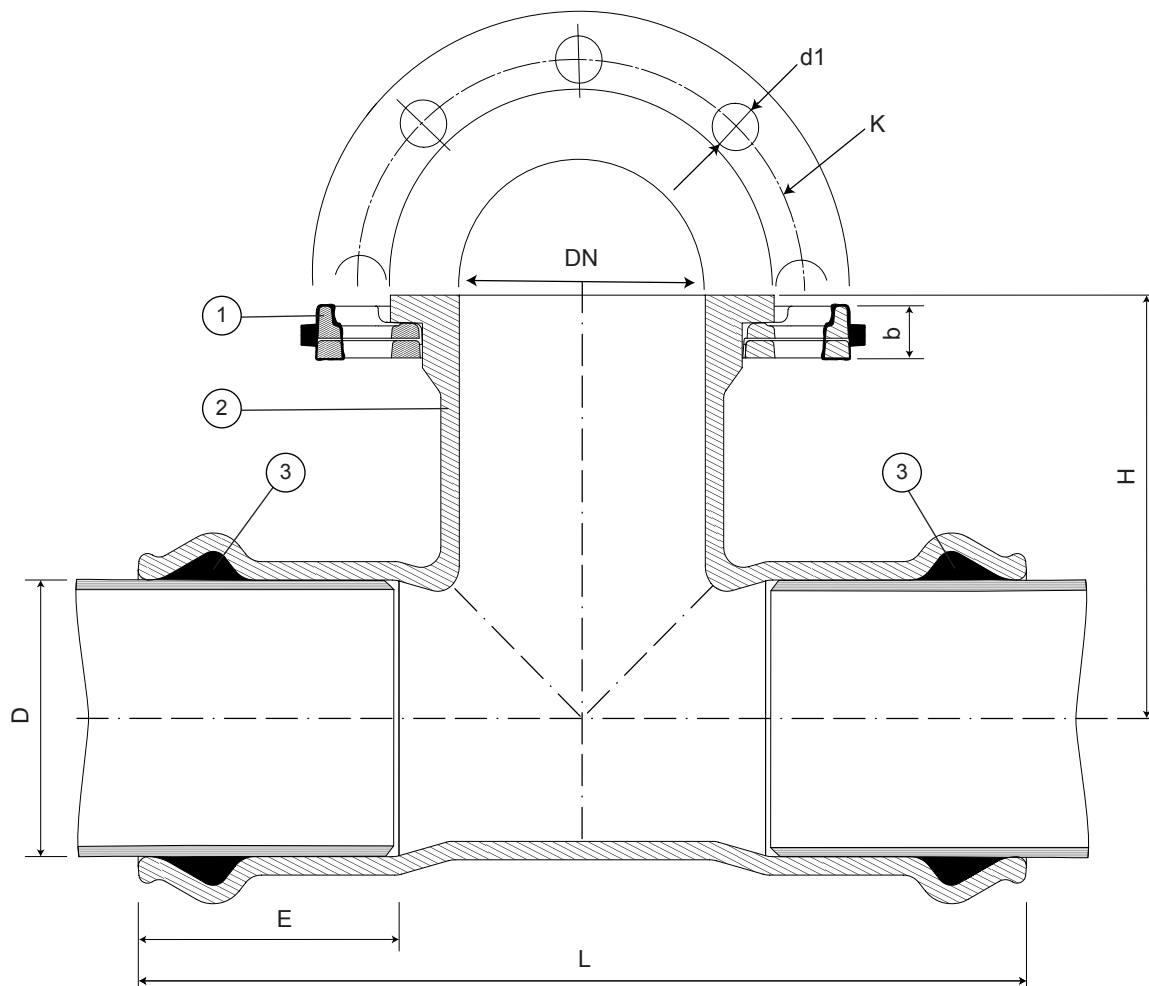
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DOUBLE SOCKET TEE FOR uPVC WITH FLANGED BRANCH

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.400



Component list

pos.	components	material	norma
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563
3	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
63 x 50	10/16	10021006	254	140	88	125	4 x 19	21	movable	6
63 x 50	25	10022006	254	140	88	125	4 x 19	21	movable	6
63 x 60	10/16	10021011	263	135	88	135	4 x 19	21	movable	7
63 x 60	25	10022011	263	135	88	135	8 x 19	21	movable	7
63 x 65	10/16	10021012	263	135	88	145	4 x 19	21	movable	7
63 x 65	25	10022013	263	135	88	145	8 x 19	21	movable	7
75 x 50	10/16	10021020	265	140	90	125	4 x 19	21	movable	6
75 x 50	25	10022020	265	140	90	125	4 x 19	21	movable	6
75 x 60	10/16	10021021	280	140	90	135	4 x 19	21	movable	7
75 x 60	25	10022021	280	140	90	135	8 x 19	21	movable	7
75 x 65	10/16	10021022	280	140	90	145	4 x 19	21	movable	8
75 x 65	25	10022022	280	140	90	145	8 x 19	21	movable	8
90 x 50	10/16	10021030	286	160	97	125	4 x 19	21	movable	8
90 x 50	25	10022024	286	160	97	125	4 x 19	21	movable	8
90 x 60	10/16	10021031	301	161	97	135	4 x 19	21	movable	8

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Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
90 x 60	25	10022026	301	161	97	135	8 x 19	21	movable	8
90 x 65	10/16	10021029	301	161	97	145	4 x 19	21	movable	9
90 x 65	25	10022028	301	161	97	145	8 x 19	21	movable	9
90 x 80	10/16	10021024	316	161	97	160	8 x 19	21	movable	9
90 x 80	25	10022029	316	161	97	160	8 x 19	21	movable	9
110 x 50	10/16	10021026	311	170	105	125	4 x 19	21	movable	10
110 x 50	25	10022030	311	170	105	125	4 x 19	21	movable	10
110 x 60	10/16	10021028	326	175	105	135	4 x 19	21	movable	10
110 x 60	25	10022031	326	175	105	135	8 x 19	21	movable	10
110 x 65	10/16	10021032	326	175	105	145	4 x 19	21	movable	11
110 x 65	25	10022032	326	175	105	145	8 x 19	21	movable	11
110 x 80	10/16	10021045	341	172	105	160	8 x 19	21	movable	12
110 x 80	25	10022034	341	172	105	160	8 x 19	21	movable	12
110 x 100	10/16	10021034	361	172	105	180	8 x 19	21	movable	12
110 x 100	25	10022036	361	172	105	190	8 x 23	21	movable	13
125 x 50	10/16	10021050	327	160	108	125	4 x 19	21	movable	10
125 x 50	25	10022043	327	160	108	125	4 x 19	21	movable	10
125 x 60	10/16	10021051	337	160	108	135	4 x 19	21	movable	11
125 x 60	25	10022045	337	160	108	135	8 x 19	21	movable	11
125 x 65	10/16	10021042	337	160	108	145	4 x 19	21	movable	12
125 x 65	25	10022050	337	160	108	145	8 x 19	21	movable	12
125 x 80	10/16	10021043	364	179	108	160	8 x 19	21	movable	13
125 x 80	25	10022051	364	179	108	160	8 x 19	21	movable	13
125 x 100	10/16	10021057	382	180	108	180	8 x 19	21	movable	14
125 x 100	25	10022057	382	180	108	190	8 x 23	21	movable	14
125 x 125	10/16	10021059	402	180	108	210	8 x 19	21	movable	15
125 x 125	25	10022059	402	180	108	220	8 x 28	21	movable	16
140 x 50	10/16	10021060	335	176	110	125	4 x 19	21	movable	12
140 x 50	25	10022060	335	176	110	125	4 x 19	21	movable	12
140 x 60	10/16	10021061	350	203	110	135	4 x 19	21	movable	14
140 x 60	25	10022061	350	203	110	135	8 x 19	21	movable	14
140 x 65	10/16	10021062	350	203	110	145	4 x 19	21	movable	14
140 x 65	25	10022062	350	203	110	145	8 x 19	21	movable	14
140 x 80	10/16	10021063	365	187	110	160	8 x 19	21	movable	15
140 x 80	25	10022063	365	187	110	160	8 x 19	21	movable	15
140 x 100	10/16	10021064	385	197	110	180	8 x 19	21	movable	15
140 x 100	25	10022064	385	197	110	190	8 x 23	21	movable	15
140 x 125	10/16	10021065	410	205	110	210	8 x 19	21	movable	18
140 x 125	25	10022065	410	205	110	220	8 x 28	21	movable	18
160 x 50	10/16	10021066	362	200	123	125	4 x 19	21	movable	15
160 x 50	25	10022066	362	200	123	125	4 x 19	21	movable	15
160 x 60	10/16	10021067	380	214	123	135	4 x 19	21	movable	15
160 x 60	25	10022067	380	214	123	135	8 x 19	21	movable	15
160 x 65	10/16	10021069	380	214	123	145	4 x 19	21	movable	15
160 x 65	25	10022069	380	214	123	145	8 x 19	21	movable	15
160 x 80	10/16	10021071	396	199	123	160	8 x 19	21	movable	17
160 x 80	25	10022071	396	199	123	160	8 x 19	21	movable	17
160 x 100	10/16	10021073	415	208	123	180	8 x 19	21	movable	18

continued on next page

DOUBLE SOCKET TEE FOR uPVC WITH FLANGED BRANCH

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.400



continued from previous page

Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
160 x 100	25	10022073	415	208	123	190	8 x 23	21	movable	19
160 x 125	10/16	10021074	441	218	123	210	8 x 19	21	movable	21
160 x 125	25	10022074	441	218	123	220	8 x 28	21	movable	21
160 x 150	10/16	10021076	465	218	123	240	8 x 23	21	movable	23
160 x 150	25	10022076	465	218	123	250	8 x 28	21	movable	23
180 x 80	10/16	10021078	508	225	128	160	8 x 19	21	movable	23
180 x 80	25	10022079	508	225	128	160	8 x 19	21	movable	23
180 x 150	10/16	10021080	508	240	128	240	8 x 23	21	movable	27
180 x 150	25	10022081	508	240	128	250	8 x 28	21	movable	27
200 x 50	10/16	10021082	403	210	132	125	4 x 19	21	movable	18
200 x 50	25	10022082	403	210	132	125	4 x 19	21	movable	18
200 x 60	10/16	10021086	418	214	132	135	4 x 19	21	movable	19
200 x 60	25	10022084	418	214	132	135	8 x 19	21	movable	19
200 x 65	10/16	10021084	418	214	132	145	4 x 19	21	movable	19
200 x 65	25	10022086	418	214	132	145	8 x 19	21	movable	19
200 x 80	10/16	10021087	435	223	132	160	8 x 19	21	movable	22
200 x 80	25	10022087	435	223	132	160	8 x 19	21	movable	22
200 x 100	10/16	10021088	457	240	132	180	8 x 19	21	movable	24
200 x 100	25	10022088	457	240	132	190	8 x 23	21	movable	24
200 x 125	10/16	10021090	480	233	132	210	8 x 19	21	movable	26
200 x 125	25	10022090	480	233	132	220	8 x 28	21	movable	26
200 x 150	10/16	10021096	550	273	132	240	8 x 23	21	movable	32
200 x 150	25	10022096	550	273	132	250	8 x 28	21	movable	32
200 x 200	10/16	10021097	552	280	132	295	8 - 12 x 23	22	movable	35
200 x 200	25	10022097	552	280	132	310	12 x 28	22	movable	36
225 x 60	10/16	10021093	430	225	135	135	4 x 19	21	movable	23
225 x 60	25	-	430	225	135	135	8 x 19	21	movable	23
225 x 65	10/16	10021092	430	225	135	145	4 x 19	21	movable	23
225 x 65	25	-	430	225	135	145	8 x 19	21	movable	23
225 x 80	10/16	10021098	450	250	135	160	8 x 19	21	movable	25
225 x 80	25	-	450	250	135	160	8 x 19	21	movable	25
225 x 100	10/16	10021094	450	250	135	180	8 x 19	21	movable	28
225 x 100	25	-	450	250	135	190	8 x 23	21	movable	28
225 x 150	10/16	10021095	500	250	135	240	8 x 23	21	movable	32
225 x 150	25	-	500	250	135	250	8 x 28	21	movable	33
225 x 200	10/16	10021099	550	260	135	295	8 - 12 x 23	22	movable	36
225 x 200	25	-	550	260	135	310	12 x 28	22	movable	37
250 x 50	10/16	10021100	457	240	145	125	4 x 19	21	movable	28
250 x 50	25	10022100	457	240	145	125	4 x 19	21	movable	28
250 x 60	10/16	10021101	472	245	145	135	4 x 19	21	movable	29
250 x 60	25	10022101	472	245	145	135	8 x 19	21	movable	29
250 x 65	10/16	10021102	472	245	145	145	4 x 19	21	movable	29
250 x 65	25	10022102	472	245	145	145	8 x 19	21	movable	29
250 x 80	10/16	10021103	487	250	145	160	8 x 19	21	movable	30
250 x 80	25	10022103	487	250	145	160	8 x 19	21	movable	30
250 x 100	10/16	10021104	507	255	145	180	8 x 19	21	movable	31
250 x 100	25	10022104	507	255	145	190	8 x 23	21	movable	31
250 x 125	10/16	10021105	532	260	145	210	8 x 19	21	movable	35

continued on next page

DOUBLE SOCKET TEE FOR uPVC WITH FLANGED BRANCH

10.400

Fittings for uPVC pipes

63 - 400 PN10/16/25



continued from previous page

Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
250 x 125	25	10022105	532	260	145	220	8 x 28	21	movable	36
250 x 150	10/16	10021106	557	265	145	240	8 x 23	21	movable	40
250 x 150	25	10022106	557	265	145	250	8 x 28	21	movable	41
250 x 200	10/16	10021108	607	275	145	295	8 - 12 x 23	22	movable	44
250 x 200	25	10022108	607	275	145	310	12 x 28	22	movable	45
250 x 250	10	10021110	657	285	145	350	12 x 23	26	movable	52
250 x 250	16	10021111	657	285	145	355	12 x 28	26	movable	52
250 x 250	25	10022110	657	285	145	370	12 x 31	26	movable	53
280 x 60	10/16	10021112	-	-	-	135	4 x 19	21	movable	33
280 x 60	25	-	-	-	-	135	8 x 19	21	movable	33
280 x 80	10/16	10021113	500	285	150	160	8 x 19	21	movable	34
280 x 80	25	-	500	285	150	160	8 x 19	21	movable	34
315 x 50	10/16	10021116	512	285	160	125	4 x 19	21	movable	42
315 x 50	25	10022116	512	285	160	125	4 x 19	21	movable	42
315 x 60	10/16	10021118	527	295	160	135	4 x 19	21	movable	44
315 x 60	25	10022118	527	295	160	135	8 x 19	21	movable	44
315 x 65	10/16	10021120	527	295	160	145	4 x 19	21	movable	44
315 x 65	25	10022120	527	295	160	145	8 x 19	21	movable	44
315 x 80	10/16	10021122	542	305	160	160	8 x 19	21	movable	45
315 x 80	25	10022122	542	305	160	160	8 x 19	21	movable	45
315 x 100	10/16	10021124	562	309	160	180	8 x 19	21	movable	44
315 x 100	25	10022124	562	309	160	190	8 x 23	21	movable	44
315 x 125	10/16	10021126	587	309	160	210	8 x 19	21	movable	52
315 x 125	25	10022126	587	309	160	220	8 x 28	21	movable	53
315 x 150	10/16	10021128	612	309	160	240	8 x 23	21	movable	56
315 x 150	25	10022128	612	309	160	250	8 x 28	21	movable	57
315 x 200	10/16	10021130	662	292	160	295	8 - 12 x 23	22	movable	64
315 x 200	25	10022130	662	292	160	310	12 x 28	22	movable	65
315 x 250	10	10021132	712	305	160	350	12 x 23	26	movable	70
315 x 250	16	10021133	712	305	160	355	12 x 28	26	movable	70
315 x 250	25	10022132	712	305	160	370	12 x 31	26	movable	71
315 x 300	10	10021134	762	309	160	400	12 x 23	32	movable	70
315 x 300	16	10021135	762	309	160	410	12 x 28	32	movable	70
315 x 300	25	10022134	762	309	160	430	16 x 31	32	movable	73
400 x 50	10/16	10021146	753	320	173	125	4 x 19	21	movable	75
400 x 50	25	10022157	753	320	173	125	4 x 19	21	movable	75
400 x 60	10/16	10021147	753	330	173	135	4 x 19	21	movable	81
400 x 60	25	10022158	753	330	173	135	8 x 19	21	movable	81
400 x 65	10/16	10021148	753	330	173	145	4 x 19	21	movable	81
400 x 65	25	10022159	753	330	173	145	8 x 19	21	movable	81
400 x 80	10/16	10021149	753	341	173	160	8 x 19	21	movable	84
400 x 80	25	10022160	753	341	173	160	8 x 19	21	movable	84
400 x 100	10/16	10021150	753	356	173	180	8 x 19	21	movable	84
400 x 100	25	10022161	753	356	173	190	8 x 23	21	movable	84
400 x 125	10/16	10021151	753	360	173	210	8 x 19	21	movable	84
400 x 125	25	10022162	753	360	173	220	8 x 28	21	movable	84
400 x 150	10/16	10021152	753	360	173	240	8 x 23	21	movable	87
400 x 150	25	10022163	753	360	173	250	8 x 28	21	movable	88

continued on next page

DOUBLE SOCKET TEE FOR uPVC WITH FLANGED BRANCH

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.400



continued from previous page

Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
400 x 200	10/16	10021153	753	365	173	295	8 - 12 x 23	22	movable	91
400 x 200	25	10022164	753	365	173	310	12 x 28	22	movable	92
400 x 250	10	10021154	803	375	173	350	12 x 23	26	movable	110
400 x 250	16	10021155	803	375	173	355	12 x 28	26	movable	110
400 x 250	25	10022165	803	375	173	370	12 x 31	26	movable	112
400 x 300	10	10021156	853	385	173	400	12 x 23	32	movable	118
400 x 300	16	10021157	853	385	173	410	12 x 28	32	movable	118
400 x 300	25	10022166	853	385	173	430	16 x 31	32	movable	120
400 x 400	10	10021160	953	394	173	515	16 x 28	38	movable	129
400 x 400	16	10021161	953	394	173	525	16 x 31	38	movable	132
400 x 400	25	10022168	953	394	173	550	16 x 37	38	movable	138



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Fittings for uPVC pipes

63 - 400 PN10/16/25

**Product description**

- Double socket tee for uPVC pipes with threaded branch for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.

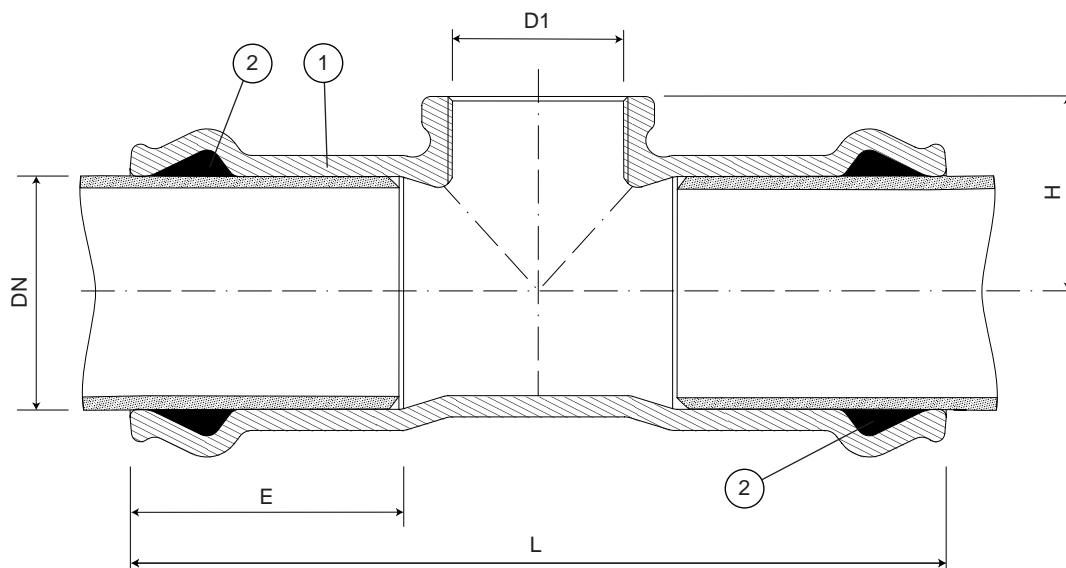
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DOUBE SOCKET TEE FOR uPVC WITH THREADED BRANCH

Fittings for uPVC pipes

63 - 400 PN10/16/25

10.500



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

ø D ext. PE/uPVC	D1 (BSP)	code	L mm	H mm	E mm	Kg approx.
63	G 1 ½"	1045100301	258	59	88	4
63	G 2"	1046106201	258	59	88	4
75	G 1 ½"	1045100201	270	64	90	4
75	G 2"	1045130501	270	64	90	4
90	G 1 ½"	1045100101	291	81	97	6
90	G 2"	1045130701	291	81	97	6
90	G 2 ½"	1045130801	306	81	97	6
110	G 1 ½"	1045100501	315	90	105	7
110	G 2"	1045140701	315	90	105	7
110	G 2 ½"	1045140801	330	90	105	8
125	G 1 ½"	1045100401	332	97	108	8
125	G 2"	1045150701	332	97	108	8
140	G 1 ½"	1045141201	340	104	110	10
140	G 2"	1045141001	340	104	110	10
160	G 1 ½"	1045142201	370	113	123	12
160	G 2"	1045142001	370	113	123	12
200	G 1 ½"	1045145201	410	145	132	16
200	G 2"	1045100701	410	145	132	17
250	G 1 ½"	1045143201	462	166	145	24
250	G 2"	1045143001	462	166	145	24
315	G 2"	1045144001	516	195	160	38
400	G 1 ½"	10451445002	562	245	173	60
400	G 2"	10451445001	562	245	173	60



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Fittings for uPVC pipes

63 - 400 PN10/16/25



Product description

- All socket crosshead for uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 21 ACC NY 004

Features

- Fitting approved for drinking water for uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Maximum working pressure 25 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means
- On request possibility of sealing ring in NBR.

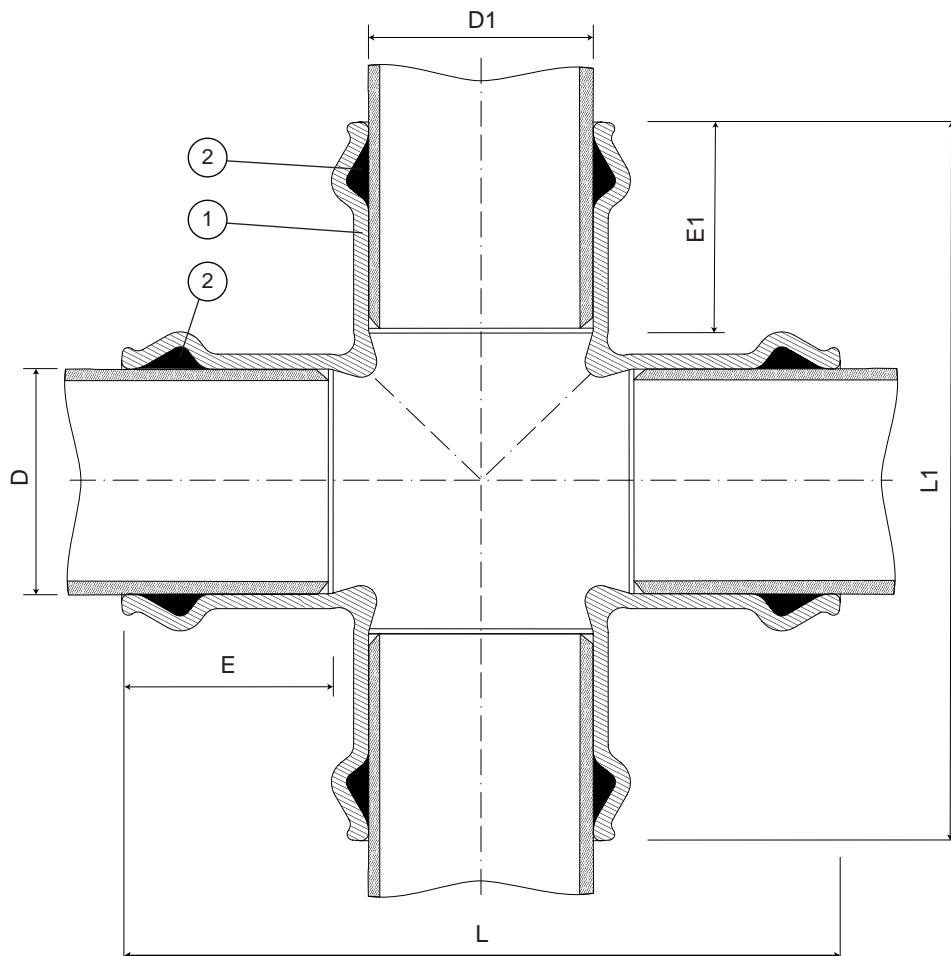


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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø D x Ø D1 ext. PE/uPVC	code	L mm	L1 mm	E mm	E1 mm	Kg approx.
63 x 63	1043700001	260	260	88	88	6
75 x 75	1043701001	280	280	90	90	7
90 x 90	1043702001	316	316	97	97	8
110 x 110	1043703001	360	360	105	105	12
125 x 125	1043703501	404	404	108	108	16
140 x 140	1043704001	412	412	110	110	17
160 x 160	1043705001	461	461	123	123	23
200 x 200	1043706601	520	520	132	132	31
250 x 250	1043707001	627	627	145	145	53
315 x 315	1043708001	746	746	160	160	83
400 x 400	1043709001	960	978	173	173	150



DOUBLE FLANGED 90° BEND

10.1000

Flanged fittings

DN 40 - 1000 PN10/16/25



Product description

- Double flanged 90° bend for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.



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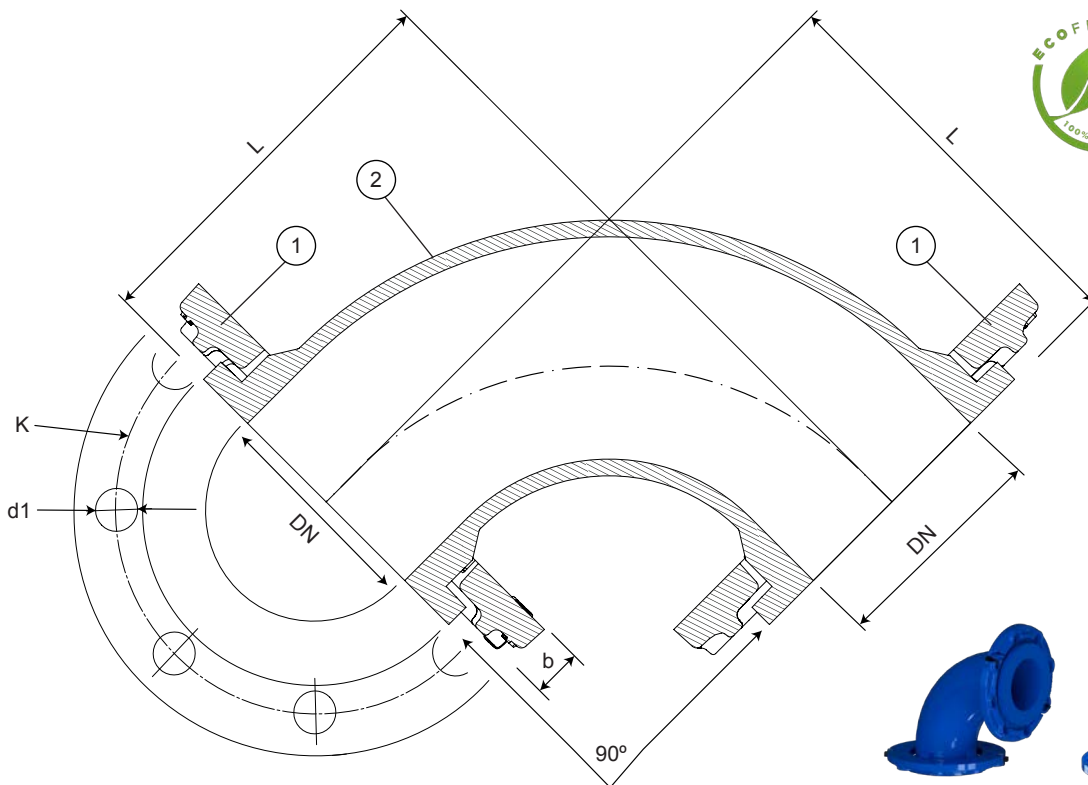
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DOUBLE FLANGED 90° BEND

Flanged fittings

DN 40 - 1000 PN10/16/25

10.1000



DN 40 to DN 600

DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40	10/16/25	10001019	140	110	4 x 19	21	movable	6
40	25	10006019	140	110	4 x 19	21	movable	6
50	10/16	10001020	150	125	4 x 19	21	movable	7
50	25	10006020	150	125	4 x 19	21	movable	7
60	10/16	10001030	165	135	4 x 19	21	movable	8
60	25	10001032	165	135	8 x 19	21	movable	8
65	10/16	10001040	165	145	4 x 19	21	movable	9
65	25	10006040	165	145	8 x 19	21	movable	9
80	10/16	10001050	165	160	8 x 19	21	movable	10
80	25	10006050	165	160	8 x 19	21	movable	10
100	10/16	10001060	180	180	8 x 19	21	movable	12
100	25	10001061	180	190	8 x 23	21	movable	13
125	10/16	10001070	200	210	8 x 19	21	movable	16
125	25	10006070	200	220	8 x 28	21	movable	17
150	10/16	10001075	220	240	8 x 23	21	movable	20
150	25	10006075	220	250	8 x 28	21	movable	22
200	10/16	10001085	260	295	8 - 12 x 23	22	movable	29
200	25	10006085	260	310	12 x 28	22	movable	30
250	10	10001090	350	350	12 x 23	26	movable	48
250	16	10001091	350	355	12 x 28	26	movable	48
250	25	10006090	350	370	12 x 31	26	movable	48

continued on next page

All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.2 2/3

DOUBLE FLANGED 90° BEND

10.1000

Flanged fittings

DN 40 - 1000 PN10/16/25



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
300	10	10001095	400	400	12 x 23	32	movable	72
300	16	10001096	400	410	12 x 28	32	movable	72
300	25	10006096	400	430	16 x 31	32	movable	76
350	10	10001098	450	460	16 x 23	36	movable	101
350	16	10001099	450	470	16 x 28	36	movable	101
350	25	10006099	450	490	16 x 34	36	movable	110
400	10	10001120	500	515	16 x 28	38	movable	126
400	16	10001121	500	525	16 x 31	38	movable	130
400	25	10006120	500	550	16 x 37	38	movable	143
450	10	10001130	550	565	20 x 28	38	movable	156
450	16	10001131	550	585	20 x 31	38	movable	165
450	25	10006130	550	600	20 x 37	38	movable	176
500	10	10001170	600	620	20 x 28	40	movable	193
500	16	10001171	600	650	20 x 34	40	movable	215
500	25	10006171	600	660	20 x 37	40	movable	227
600	10	10001180	700	725	20 x 31	46	movable	325
600	16	10001181	700	770	20 x 37	46	movable	345
600	25	10006181	700	770	20 x 41	46	movable	362
700	10	10112150	800	840	24 x 31	32.5	fixed	544
700	16	10112152	800	840	24 x 37	39.5	fixed	-
700	25	10112154	800	875	24 x 44	46.5	fixed	-
800	10	10112160	900	950	24 x 34	35	fixed	716
800	16	10112162	900	950	24 x 41	43	fixed	805
800	25	10112164	900	990	24 x 50	51	fixed	830
900	10	10112170	1000	1050	28 x 34	37.5	fixed	865
900	16	10112172	1000	1050	28 x 41	46.5	fixed	-
900	25	10112174	1000	1090	28 x 50	55.5	fixed	-
1000	10	10112180	1100	1160	28 x 37	40	fixed	1100
1000	16	10112182	1100	1170	28 x 44	50	fixed	-
1000	25	10112184	1100	1210	28 x 57	60	fixed	-



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DOUBLE FLANGED 45° BEND

10.1001

Flanged fittings

DN 40 - 1000 PN10/16/25



Product description

- Double flanged 45° bend for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.



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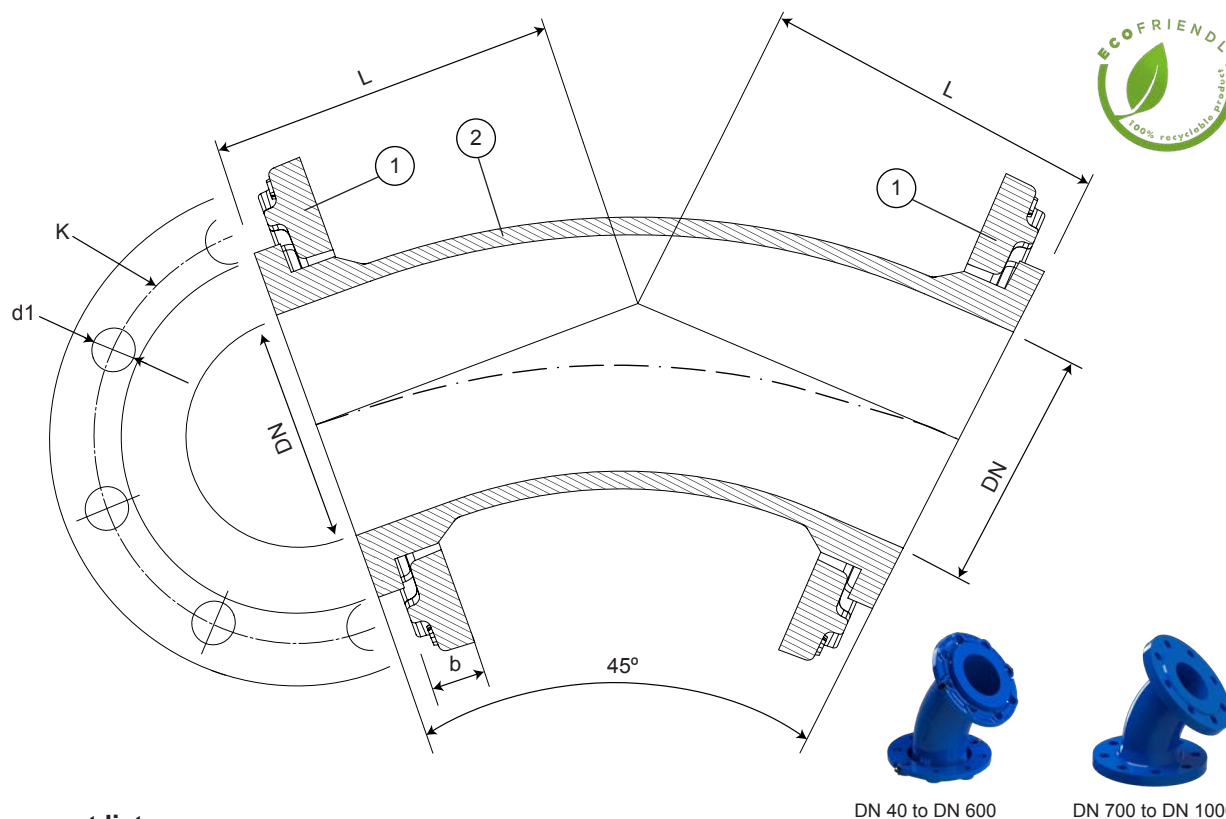
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DOUBLE FLANGED 45° BEND

Flanged fittings

DN 40 - 1000 PN10/16/25

10.1001



DN 40 to DN 600

DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40	10/16/25	10003010	78	110	4 x 19	21	movable	5
40	25	10003312	78	110	4 x 19	21	movable	5
50	10/16	10003020	86	125	4 x 19	21	movable	6
50	25	10003322	86	125	4 x 19	21	movable	6
60	10/16	10003030	92	135	4 x 19	21	movable	7
60	25	10003332	92	135	8 x 19	21	movable	7
65	10/16	10003040	92	145	4 x 19	21	movable	7
65	25	10003342	92	145	8 x 19	21	movable	8
80	10/16	10003050	130	160	8 x 19	21	movable	9
80	25	10003052	130	160	8 x 19	21	movable	9
100	10/16	10003060	140	180	8 x 19	21	movable	11
100	25	10003362	140	190	8 x 23	21	movable	12
125	10/16	10003070	150	210	8 x 19	21	movable	15
125	25	10008070	150	220	8 x 28	21	movable	16
150	10/16	10003080	160	240	8 x 23	21	movable	18
150	25	10003382	160	250	8 x 28	21	movable	20
200	10/16	10003090	180	295	8 - 12 x 23	22	movable	26
200	25	10003392	180	310	12 x 28	22	movable	27
250	10	10003100	245	350	12 x 23	26	movable	47
250	16	10003101	245	355	12 x 28	26	movable	47
250	25	10008100	245	370	12 x 31	26	movable	48

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All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.3 2/3

DOUBLE FLANGED 45° BEND

10.1001

Flanged fittings

DN 40 - 1000 PN10/16/25



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
300	10	10003110	275	400	12 x 23	32	movable	63
300	16	10003111	275	410	12 x 28	32	movable	64
300	25	10003412	275	430	16 x 31	32	movable	67
350	10	10003112	300	460	16 x 23	36	movable	83
350	16	10003113	300	470	16 x 28	36	movable	86
350	25	10003422	300	490	16 x 34	36	movable	68
400	10	10003120	325	515	16 x 28	38	movable	110
400	16	10003121	325	525	16 x 31	38	movable	112
400	25	10008130	325	550	16 x 37	38	movable	123
450	10	10003130	350	565	20 x 28	38	movable	130
450	16	10003131	350	585	20 x 31	38	movable	139
450	25	10003435	350	600	20 x 37	38	movable	150
500	10	10003140	375	620	20 x 28	40	movable	157
500	16	10003141	375	650	20 x 34	40	movable	178
500	25	10003442	375	660	20 x 37	40	movable	190
600	10	10003150	426	725	20 x 31	46	movable	230
600	16	10003151	426	770	20 x 37	46	movable	250
600	25	10003452	426	770	20 x 41	46	movable	266
700	10	10115150	478	840	24 x 31	32.5	fixed	410
700	16	10115152	478	840	24 x 37	39.5	fixed	-
700	25	10115154	478	875	24 x 44	46.5	fixed	-
800	10	10115160	529	950	24 x 34	35	fixed	566
800	16	10115162	529	950	24 x 41	43	fixed	-
800	25	10115164	529	990	24 x 50	51	fixed	-
900	10	10115170	581	1050	28 x 34	37.5	fixed	656
900	16	10115172	581	1050	28 x 41	46.5	fixed	-
900	25	10115174	581	1090	28 x 50	55.5	fixed	-
1000	10	10115180	632	1160	28 x 37	40	fixed	920
1000	16	10115182	632	1170	28 x 44	50	fixed	-
1000	25	10115184	632	1210	28 x 57	60	fixed	-



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Flanged fittings

DN 50 - 1000 PN10/16/25

**Product description**

- Double flanged 22° 30' bend for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.

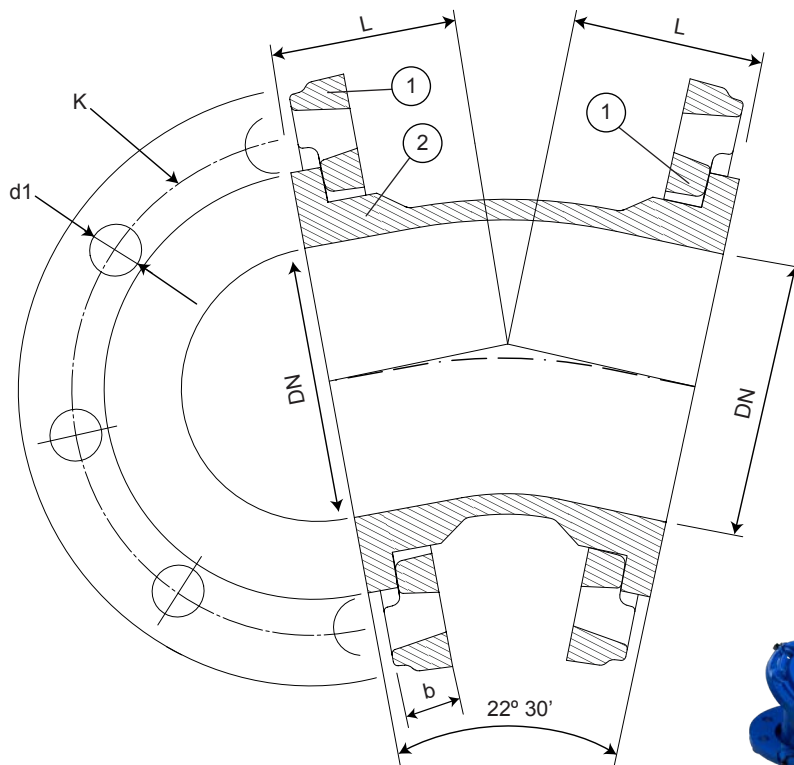
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DOUBLE FLANGED 22° 30' BEND

Flanged fittings

DN 50 - 1000 PN10/16/25

10.1002



DN 40 to DN 600

DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
50	10/16	10002020	65	125	4 x 19	21	movable	6
50	25	10002022	65	125	4 x 19	21	movable	6
60	10/16	10002030	65	135	4 x 19	21	movable	7
60	25	10002032	65	135	8 x 19	21	movable	7
65	10/16	10002040	65	145	4 x 19	21	movable	7
65	25	10002042	65	145	8 x 19	21	movable	7
80	10/16	10002050	65	160	8 x 19	21	movable	8
80	25	10002052	65	160	8 x 19	21	movable	8
100	10/16	10002060	68	180	8 x 19	21	movable	9
100	25	10002062	68	190	8 x 23	21	movable	10
125	10/16	10002070	75	210	8 x 19	21	movable	12
125	25	10002072	75	220	8 x 28	21	movable	13
150	10/16	10002080	80	240	8 x 23	21	movable	15
150	25	10002082	80	250	8 x 28	21	movable	16
200	10/16	10002090	87	295	8 - 12 x 23	22	movable	20
200	25	10002092	87	310	12 x 28	22	movable	21
250	10	10002100	110	350	12 x 23	26	movable	32
250	16	10002101	110	355	12 x 28	26	movable	32
250	25	10002102	110	370	12 x 31	26	movable	35
300	10	10002110	123	400	12 x 23	32	movable	44
300	16	10002111	123	410	12 x 28	32	movable	44

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All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.3 2/3

DOUBLE FLANGED 22° 30' BEND

10.1002

Flanged fittings

DN 50 - 1000 PN10/16/25



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
300	25	10002115	123	430	16 x 31	32	movable	50
350	10	10002112	140	460	16 x 23	36	movable	58
350	16	10002113	140	470	16 x 28	36	movable	61
350	25	10002117	140	490	16 x 34	36	movable	72
400	10	10002120	150	515	16 x 28	38	movable	71
400	16	10002121	150	525	16 x 31	38	movable	75
400	25	10002125	150	550	16 x 37	38	movable	91
450	10	10002130	170	565	20 x 28	38	movable	90
450	16	10002131	170	585	20 x 31	38	movable	99
450	25	10002435	170	600	20 x 37	38	movable	110
500	10	10002150	180	620	20 x 28	40	movable	110
500	16	10002151	180	650	20 x 34	40	movable	128
500	25	10002152	180	660	20 x 37	40	movable	140
600	10	10002180	205	725	20 x 31	46	movable	154
600	16	10002181	205	770	20 x 37	46	movable	174
600	25	10002182	205	770	20 x 41	46	movable	188
700	10	10118150	245	840	24 x 31	32.5	fixed	280
700	16	10118152	245	840	24 x 37	39.5	fixed	-
700	25	10118154	245	875	24 x 44	46.5	fixed	-
800	10	10118160	275	950	24 x 34	35	fixed	396
800	16	10118162	275	950	24 x 41	43	fixed	-
800	25	10118164	275	990	24 x 50	51	fixed	-
900	10	10118170	300	1050	28 x 34	37.5	fixed	448
900	16	10118172	300	1050	28 x 41	46.5	fixed	-
900	25	10118174	300	1090	28 x 50	55.5	fixed	-
1000	10	10118180	327	1160	28 x 37	40	fixed	580
1000	16	10118182	327	1170	28 x 44	50	fixed	-
1000	25	10118184	327	1210	28 x 57	60	fixed	-



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Flanged fittings

DN 50 - 1000 PN10/16/25

**Product description**

- Double flanged 11° 15' bend for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.

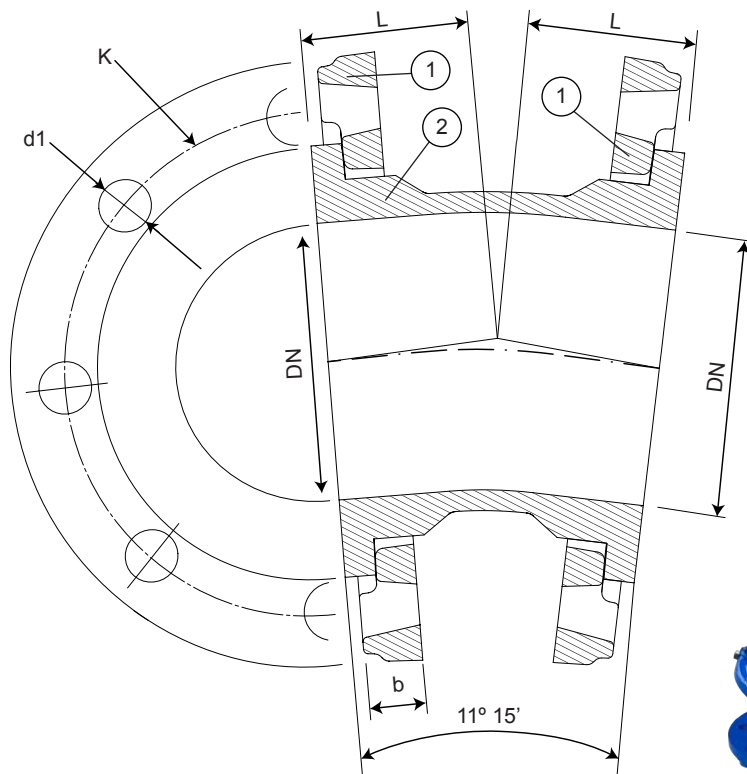
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DOUBLE FLANGED 11° 15' BEND

Flanged fittings

DN 50 - 1000 PN10/16/25

10.1003



DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
50	10/16	10004020	57	125	4 x 19	21	movable	6
50	25	10004022	57	125	4 x 19	21	movable	6
60	10/16	10004030	57	135	4 x 19	21	movable	6
60	25	10004032	57	135	8 x 19	21	movable	6
65	10/16	10004040	57	145	4 x 19	21	movable	6
65	25	10004042	57	145	8 x 19	21	movable	6
80	10/16	10004050	57	160	8 x 19	21	movable	7
80	25	10004052	57	160	8 x 19	21	movable	8
100	10/16	10004060	60	180	8 x 19	21	movable	9
100	25	10004062	60	190	8 x 23	21	movable	10
125	10/16	10004070	63	210	8 x 19	21	movable	11
125	25	10004072	63	220	8 x 28	21	movable	12
150	10/16	10004080	68	240	8 x 23	21	movable	14
150	25	10004082	68	250	8 x 28	21	movable	15
200	10/16	10004090	71	295	8 - 12 x 23	22	movable	18
200	25	10004092	71	310	12 x 28	22	movable	20
250	10	10004100	84	350	12 x 23	26	movable	29
250	16	10004101	84	355	12 x 28	26	movable	29
250	25	10004103	84	370	12 x 31	26	movable	31
300	10	10004110	95	400	12 x 23	32	movable	41
300	16	10004111	95	410	12 x 28	32	movable	41

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All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.3 2/3

DOUBLE FLANGED 11° 15' BEND

10.1003

Flanged fittings

DN 50 - 1000 PN10/16/25



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
300	25	10004114	95	430	16 x 31	32	movable	45
350	10	10004112	110	460	16 x 23	36	movable	53
350	16	10004113	110	470	16 x 28	36	movable	58
350	25	10004118	110	490	16 x 34	36	movable	67
400	10	10004120	120	515	16 x 28	38	movable	68
400	16	10004121	120	525	16 x 31	38	movable	74
400	25	10004123	120	550	16 x 37	38	movable	85
450	10	10004130	125	565	20 x 28	38	movable	80
450	16	10004131	125	585	20 x 31	38	movable	89
450	25	10004435	125	600	20 x 37	38	movable	100
500	10	10004150	130	620	20 x 28	40	movable	102
500	16	10004151	130	650	20 x 34	40	movable	120
500	25	10004153	130	660	20 x 37	40	movable	132
600	10	10004160	150	725	20 x 31	46	movable	134
600	16	10004161	150	770	20 x 37	46	movable	154
600	25	10004163	150	770	20 x 41	46	movable	166
700	10	10121150	175	840	24 x 31	32.5	fixed	228
700	16	10121152	175	840	24 x 37	39.5	fixed	-
700	25	10121154	175	875	24 x 44	46.5	fixed	-
800	10	10121160	190	950	24 x 34	35	fixed	262
800	16	10121162	190	950	24 x 41	43	fixed	302
800	25	10121164	190	990	24 x 50	51	fixed	-
900	10	10121170	213	1050	28 x 34	37.5	fixed	366
900	16	10121172	213	1050	28 x 41	46.5	fixed	-
900	25	10121174	213	1090	28 x 50	55.5	fixed	-
1000	10	10121180	230	1160	28 x 37	40	fixed	410
1000	16	10121182	230	1170	28 x 44	50	fixed	-
1000	25	10121184	230	1210	28 x 57	60	fixed	-



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DOUBLE FLANGED 90° DUCKFOOT BEND

01.1004

Flanged fittings

DN 40 - 600 PN10/16/25



Product description

- Double flanged 90° duckfoot bend for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install.



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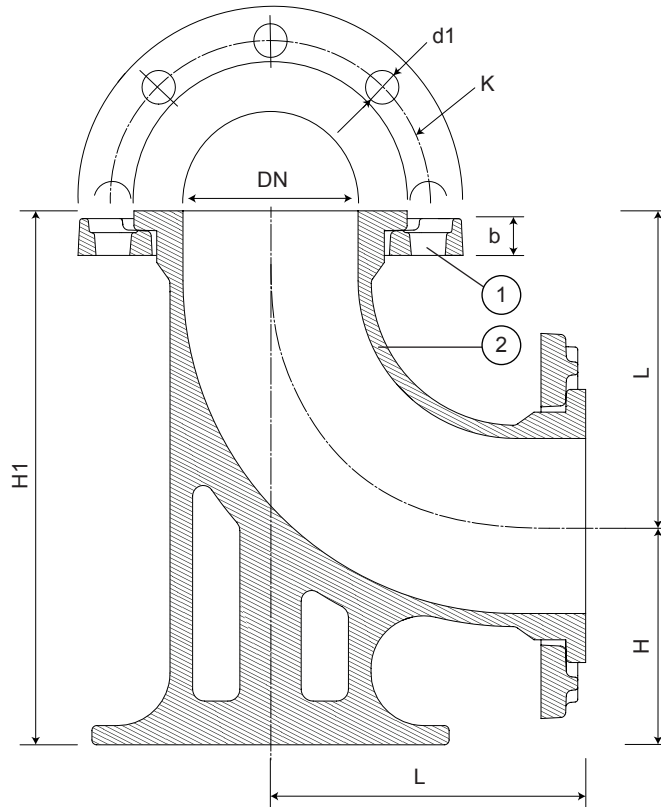
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DOUBLE FLANGED 90° DUCKFOOT BEND

01.1004

Flanged fittings

DN 40 - 600 PN10/16/25



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	Kg approx.
40	10/16	10001015	140	87	227	110	4 x 19	21	8
40	25	10001515	140	87	227	110	4 x 19	21	8
50	10/16	10001025	150	95	245	125	4 x 19	21	9
50	25	10001525	150	95	245	125	4 x 19	21	9
60	10/16	10001035	165	100	265	135	4 x 19	21	12
60	25	10001535	165	100	265	135	8 x 19	21	12
65	10/16	10001045	165	100	265	145	4 x 19	21	12
65	25	10001545	165	100	265	145	8 x 19	21	12
80	10/16	10001055	165	110	275	160	8 x 19	21	13
80	25	10001555	165	110	275	160	8 x 19	21	13
100	10/16	10001065	180	125	305	180	8 x 19	21	16
100	25	10001565	180	125	305	190	8 x 23	21	16
125	10/16	10001076	200	140	340	210	8 x 19	21	20
125	25	10001575	200	140	340	220	8 x 28	21	21
150	10/16	10001079	220	160	380	240	8 x 23	21	26
150	25	10001585	220	160	380	250	8 x 28	21	27
200	10/16	10001087	260	190	450	295	8 - 12 x 23	22	38
200	25	10001595	260	190	450	310	12 x 28	22	40
250	10	10001092	350	225	575	350	12 x 23	26	65
250	16	10001093	350	225	575	355	12 x 28	26	65
250	25	10001605	350	225	575	370	12 x 31	26	68
300	10	10001097	400	255	655	400	12 x 23	32	94
300	16	10001100	400	255	655	410	12 x 28	32	94

continued on next page

DOUBLE FLANGED 90° DUCKFOOT BEND

01.1004

Flanged fittings

DN 40 - 600 PN10/16/25



continued from previous page

DN	PN	code	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	Kg approx.
300	25	10001615	400	255	655	430	16 x 31	32	99
350	10	10001105	450	290	740	460	16 x 23	36	134
350	16	10001110	450	290	740	470	16 x 28	36	137
350	25	10001625	450	290	740	490	16 x 34	36	140
400	10	10001125	500	320	820	515	16 x 28	38	181
400	16	10001128	500	320	820	525	16 x 31	38	181
400	25	10001635	500	320	820	550	16 x 37	38	198
500	10	10001135	600	385	985	620	20 x 28	40	253
500	16	10001140	600	385	985	650	20 x 34	40	271
500	25	10001655	600	385	985	660	20 x 37	40	283
600	10	10001145	700	450	1150	725	20 x 31	46	344
600	16	10001148	700	450	1150	770	20 x 37	46	364
600	25	10001665	700	450	1150	770	20 x 41	46	380



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Flanged fittings

DN 50 - 1000 PN10/16/25

**Product description**

- Double flanged taper for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.



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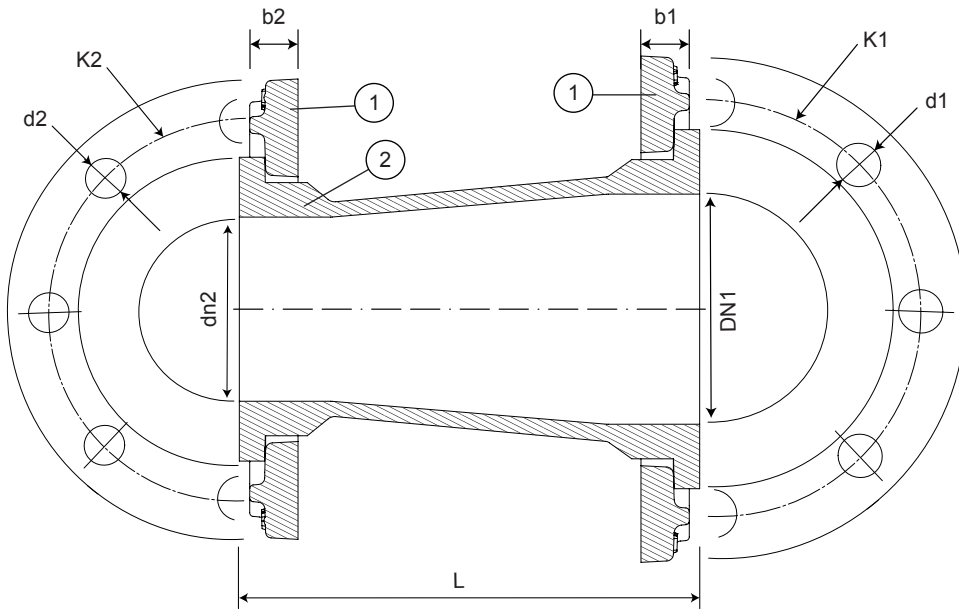
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DOUBLE FLANGED TAPER

Flanged fittings

DN 50 - 1000 PN10/16/25

10.1100



DN 50 a DN 600



DN 700 a DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN1 x dn2	PN	code	L	K1	n° x d1	b1	K2	n° x d2	b2	Flange	Kg
			mm	mm	mm	mm	mm	mm	mm	movable / fixed	approx.
50 x 40	10/16	10030030	150	125	4 x 19	21	110	4 x 19	21	movable	5
50 x 40	25	10031001	150	125	4 x 19	21	110	4 x 19	21	movable	5
60 x 40	10/16	10030031	190	135	4 x 19	21	110	4 x 19	21	movable	6
60 x 40	25	10031002	190	135	8 x 19	21	110	4 x 19	21	movable	6
60 x 50	10/16	10030028	190	135	4 x 19	21	125	4 x 19	21	movable	7
60 x 50	25	10031003	190	135	8 x 19	21	125	4 x 19	21	movable	7
65 x 40	10/16	10030033	190	145	4 x 19	21	110	4 x 19	21	movable	6
65 x 40	25	10031004	190	145	8 x 19	21	110	4 x 19	21	movable	6
65 x 50	10/16	10030032	190	145	4 x 19	21	125	4 x 19	21	movable	7
65 x 50	25	10031005	190	145	8 x 19	21	125	4 x 19	21	movable	7
80 x 40	10/16	10030041	185	160	8 x 19	21	110	4 x 19	21	movable	7
80 x 40	25	10031006	185	160	8 x 19	21	110	4 x 19	21	movable	7
80 x 50	10/16	10030040	185	160	8 x 19	21	125	4 x 19	21	movable	7
80 x 50	25	10031007	185	160	8 x 19	21	125	4 x 19	21	movable	7
80 x 60	10/16	10030042	190	160	8 x 19	21	135	4 x 19	21	movable	8
80 x 60	25	10031008	190	160	8 x 19	21	135	8 x 19	21	movable	8
80 x 65	10/16	10030044	190	160	8 x 19	21	145	4 x 19	21	movable	8
80 x 65	25	10031044	190	160	8 x 19	21	145	8 x 19	21	movable	8
100 x 40	10/16	10030051	195	180	8 x 19	21	110	4 x 19	21	movable	7
100 x 40	25	10031051	195	190	8 x 23	21	110	4 x 19	21	movable	7
100 x 50	10/16	10030050	195	180	8 x 19	21	125	4 x 19	21	movable	8
100 x 50	25	10033050	195	190	8 x 23	21	125	4 x 19	21	movable	8
100 x 60	10/16	10030052	195	180	8 x 19	21	135	4 x 19	21	movable	8
100 x 60	25	10031053	195	190	8 x 23	21	135	8 x 19	21	movable	9
100 x 65	10/16	10030054	195	180	8 x 19	21	145	4 x 19	21	movable	9
100 x 65	25	10031054	195	190	8 x 23	21	145	8 x 19	21	movable	9

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DOUBLE FLANGED TAPER

10.1100

Flanged fittings

DN 50 - 1000 PN10/16/25



continued from previous page

Reference and dimensions

DN1 x dn2	PN	code	L mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
100 x 80	10/16	10030056	200	180	8 x 19	21	160	8 x 19	21	movable	9
100 x 80	25	10030057	200	190	8 x 23	21	160	8 x 19	21	movable	10
125 x 40	10/16	10030058	185	210	8 x 19	21	110	4 x 19	21	movable	8
125 x 40	25	10031059	185	220	8 x 28	21	110	4 x 19	21	movable	9
125 x 50	10/16	10030059	185	210	8 x 19	21	125	4 x 19	21	movable	9
125 x 50	25	10031060	185	220	8 x 28	21	125	4 x 19	21	movable	10
125 x 60	10/16	10030061	185	210	8 x 19	21	135	4 x 19	21	movable	9
125 x 60	25	10031061	185	220	8 x 28	21	135	8 x 19	21	movable	10
125 x 65	10/16	10030063	185	210	8 x 19	21	145	4 x 19	21	movable	10
125 x 65	25	10031063	185	220	8 x 28	21	145	8 x 19	21	movable	10
125 x 80	10/16	10030065	185	210	8 x 19	21	160	8 x 19	21	movable	10
125 x 80	25	10031065	185	220	8 x 28	21	160	8 x 19	21	movable	11
125 x 100	10/16	10030067	185	210	8 x 19	21	180	8 x 19	21	movable	11
125 x 100	25	10031067	185	220	8 x 28	21	190	8 x 23	21	movable	12
150 x 40	10/16	10030068	190	240	8 x 23	21	110	4 x 19	21	movable	11
150 x 40	25	10031068	190	250	8 x 28	21	110	4 x 19	21	movable	11
150 x 50	10/16	10030069	190	240	8 x 23	21	125	4 x 19	21	movable	11
150 x 50	25	10031069	190	250	8 x 28	21	125	4 x 19	21	movable	11
150 x 60	10/16	10030070	190	240	8 x 23	21	135	4 x 19	21	movable	11
150 x 60	25	10031070	190	250	8 x 28	21	135	8 x 19	21	movable	12
150 x 65	10/16	10030072	190	240	8 x 23	21	145	4 x 19	21	movable	12
150 x 65	25	10031072	190	250	8 x 28	21	145	8 x 19	21	movable	12
150 x 80	10/16	10030074	190	240	8 x 23	21	160	8 x 19	21	movable	11
150 x 80	25	10031074	190	250	8 x 28	21	160	8 x 19	21	movable	12
150 x 100	10/16	10030076	190	240	8 x 23	21	180	8 x 19	21	movable	12
150 x 100	25	10031077	190	250	8 x 28	21	190	8 x 23	21	movable	13
150 x 125	10/16	10030078	190	240	8 x 23	21	210	8 x 19	21	movable	14
150 x 125	25	10031079	190	250	8 x 28	21	220	8 x 28	21	movable	15
200 x 80	10/16	10030086	235	295	8 - 12 x 23	22	160	8 x 19	21	movable	15
200 x 80	25	10031087	235	310	12 x 28	22	160	8 x 19	21	movable	16
200 x 100	10/16	10030088	235	295	8 - 12 x 23	22	180	8 x 19	21	movable	16
200 x 100	25	10031089	235	310	12 x 28	22	190	8 x 23	21	movable	17
200 x 125	10/16	10030090	235	295	8 - 12 x 23	22	210	8 x 19	21	movable	17
200 x 125	25	10031091	235	310	12 x 28	22	220	8 x 28	21	movable	18
200 x 150	10/16	10030092	235	295	8 - 12 x 23	22	240	8 x 23	21	movable	19
200 x 150	25	10031093	235	310	12 x 28	22	250	8 x 28	21	movable	21
250 x 80	10	10030102	250	350	12 x 23	26	160	8 x 19	21	movable	17
250 x 80	16	10030091	250	355	12 x 28	26	160	8 x 19	21	movable	17
250 x 80	25	10031094	250	370	12 x 31	26	160	8 x 19	21	movable	20
250 x 100	10	10030093	250	350	12 x 23	26	180	8 x 19	21	movable	22
250 x 100	16	10030119	250	355	12 x 28	26	180	8 x 19	21	movable	22
250 x 100	25	10030101	250	370	12 x 31	26	190	8 x 23	21	movable	24
250 x 125	10	10030094	250	350	12 x 23	26	210	8 x 19	21	movable	24
250 x 125	16	10030095	250	355	12 x 28	26	210	8 x 19	21	movable	24
250 x 125	25	10031096	250	370	12 x 31	26	220	8 x 28	21	movable	25
250 x 150	10	10030096	250	350	12 x 23	26	240	8 x 23	21	movable	25
250 x 150	16	10030097	250	355	12 x 28	26	240	8 x 23	21	movable	25
250 x 150	25	10030107	250	370	12 x 31	26	250	8 x 28	21	movable	26

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DOUBLE FLANGED TAPER

Flanged fittings

DN 50 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
250 x 200	10	10030098	250	350	12 x 23	26	295	8 - 12 x 23	22	movable	27
250 x 200	16	10030099	250	355	12 x 28	26	295	8 - 12 x 23	22	movable	27
250 x 200	25	10030110	250	370	12 x 31	26	310	12 x 28	22	movable	30
300 x 150	10	10030113	265	400	12 x 23	32	240	8 x 23	21	movable	31
300 x 150	16	10030116	265	410	12 x 28	32	240	8 x 23	21	movable	31
300 x 150	25	10031117	265	430	16 x 31	32	250	8 x 28	21	movable	33
300 x 200	10	10030114	265	400	12 x 23	32	295	8 - 12 x 23	22	movable	34
300 x 200	16	10030117	265	410	12 x 28	32	295	8 - 12 x 23	22	movable	34
300 x 200	25	10030118	265	430	16 x 31	32	310	12 x 28	22	movable	38
300 x 250	10	10030120	265	400	12 x 23	32	350	12 x 23	26	movable	39
300 x 250	16	10030121	265	410	12 x 28	32	355	12 x 28	26	movable	39
300 x 250	25	10031119	265	430	16 x 31	32	370	12 x 31	26	movable	44
350 x 200	10	10030129	290	460	16 x 23	36	295	8 - 12 x 23	22	movable	40
350 x 200	16	10030130	290	470	16 x 28	36	295	8 - 12 x 23	22	movable	40
350 x 200	25	10031131	290	490	16 x 34	36	310	12 x 28	22	movable	44
350 x 250	10	10030131	290	460	16 x 23	36	350	12 x 23	26	movable	46
350 x 250	16	10030132	290	470	16 x 28	36	355	12 x 28	26	movable	46
350 x 250	25	10031133	290	490	16 x 34	36	370	12 x 31	26	movable	60
350 x 300	10	10030127	290	460	16 x 23	36	400	12 x 23	32	movable	54
350 x 300	16	10030128	290	470	16 x 28	36	410	12 x 28	32	movable	56
350 x 300	25	10031129	290	490	16 x 34	36	430	16 x 31	32	movable	64
400 x 200	10	10030145	300	515	16 x 28	38	295	8 - 12 x 23	22	movable	51
400 x 200	16	10030149	300	525	16 x 31	38	295	8 - 12 x 23	22	movable	53
400 x 200	25	10031124	300	550	16 x 37	38	310	12 x 28	22	movable	-
400 x 250	10	10030122	300	515	16 x 28	38	350	12 x 23	26	movable	53
400 x 250	16	10030123	300	525	16 x 31	38	355	12 x 28	26	movable	58
400 x 250	25	10030133	300	550	16 x 37	38	370	12 x 31	26	movable	65
400 x 300	10	10030124	300	515	16 x 28	38	400	12 x 23	32	movable	60
400 x 300	16	10030125	300	525	16 x 31	38	410	12 x 28	32	movable	63
400 x 300	25	10031126	300	550	16 x 37	38	430	16 x 31	32	movable	71
400 x 350	10	10030137	300	515	16 x 28	38	460	16 x 23	36	movable	67
400 x 350	16	10030138	300	525	16 x 31	38	470	16 x 28	36	movable	69
400 x 350	25	10031128	300	550	16 x 37	38	490	16 x 34	36	movable	77
450 x 300	10	10030139	300	565	20 x 28	38	400	12 x 23	32	movable	71
450 x 300	16	10030140	300	585	20 x 31	38	410	12 x 28	32	movable	80
450 x 300	25	10031141	300	600	20 x 37	38	430	16 x 31	32	movable	-
450 x 400	10	10030143	300	565	20 x 28	38	515	16 x 28	38	movable	78
450 x 400	16	10030144	300	585	20 x 31	38	525	16 x 31	38	movable	85
450 x 400	25	10031142	300	600	20 x 37	38	550	16 x 37	38	movable	97
500 x 250	10	10030146	600	620	20 x 28	40	350	12 x 23	26	movable	98
500 x 250	16	10030147	600	650	20 x 34	40	355	12 x 28	26	movable	107
500 x 250	25	10031127	600	660	20 x 37	40	370	12 x 31	26	movable	-
500 x 300	10	10030150	600	620	20 x 28	40	400	12 x 23	32	movable	98
500 x 300	16	10030151	600	650	20 x 34	40	410	12 x 28	32	movable	122
500 x 300	25	10031151	600	660	20 x 37	40	430	16 x 31	32	movable	128
500 x 350	10	10030148	600	620	20 x 28	40	460	16 x 23	36	movable	119
500 x 350	16	10030183	600	650	20 x 34	40	470	16 x 28	36	movable	121
500 x 350	25	10031130	600	660	20 x 37	40	490	16 x 34	36	movable	130

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DOUBLE FLANGED TAPER
Flanged fittings
 DN 50 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
500 x 400	10	10030184	600	620	20 x 28	40	515	16 x 28	38	movable	121
500 x 400	16	10030185	600	650	20 x 34	40	525	16 x 31	38	movable	123
500 x 400	25	10031132	600	660	20 x 37	40	550	16 x 37	38	movable	135
500 x 450	10	10030190	600	620	20 x 28	40	565	20 x 28	38	movable	135
500 x 450	16	10030191	600	650	20 x 34	40	585	20 x 31	38	movable	147
500 x 450	25	10031137	600	660	20 x 37	40	600	20 x 37	38	movable	-
600 x 400	10	10030186	600	725	20 x 31	46	515	16 x 28	38	movable	142
600 x 400	16	10030187	600	770	20 x 37	46	525	16 x 31	38	movable	158
600 x 400	25	10031134	600	770	20 x 41	46	550	16 x 37	38	movable	167
600 x 500	10	10030188	600	725	20 x 31	46	620	20 x 28	40	movable	162
600 x 500	16	10030189	600	770	20 x 37	46	650	20 x 34	40	movable	189
600 x 500	25	10031136	600	770	20 x 41	46	660	20 x 37	40	movable	202
700 x 300	10	10103298	600	840	24 x 31	32.5	400	12 x 23	24.5	fixed	250
700 x 300	16	10103289	600	840	24 x 37	39.5	410	12 x 28	24.5	fixed	270
700 x 300	25	10103598	600	875	24 x 44	46.5	430	16 x 31	27.5	fixed	-
700 x 500	10	10103302	600	840	24 x 31	32.5	620	20 x 28	26.5	fixed	257
700 x 500	16	10103402	600	840	24 x 37	39.5	650	20 x 34	31.5	fixed	270
700 x 500	25	10103502	600	875	24 x 44	46.5	660	20 x 37	36.5	fixed	-
700 x 600	10	10103303	600	840	24 x 31	32.5	725	20 x 31	30	fixed	340
700 x 600	16	10103403	600	840	24 x 37	39.5	770	20 x 37	36	fixed	-
700 x 600	25	10103503	600	875	24 x 44	46.5	770	20 x 41	42	fixed	-
800 x 500	10	10103332	600	950	24 x 34	35	620	20 x 28	26.5	fixed	270
800 x 500	16	10103432	600	950	24 x 41	43	650	20 x 34	31.5	fixed	320
800 x 500	25	10103528	600	990	24 x 50	51	660	20 x 37	36.5	fixed	-
800 x 600	10	10103333	600	950	24 x 34	35	725	20 x 31	30	fixed	281
800 x 600	16	10103433	600	950	24 x 41	43	770	20 x 37	36	fixed	360
800 x 600	25	10103533	600	990	24 x 50	51	770	20 x 41	42	fixed	-
800 x 700	10	10103334	600	950	24 x 34	35	840	24 x 31	32.5	fixed	363
800 x 700	16	10103434	600	950	24 x 41	43	840	24 x 37	39.5	fixed	-
800 x 700	25	10103534	600	990	24 x 50	51	875	24 x 44	46.5	fixed	-
900 x 700	10	10103364	600	1050	28 x 34	37.5	840	24 x 31	32.5	fixed	395
900 x 700	16	10103464	600	1050	28 x 41	46.5	840	24 x 37	39.5	fixed	440
900 x 700	25	10103564	600	1090	28 x 50	55.5	875	24 x 44	46.5	fixed	-
900 x 800	10	10103365	600	1050	28 x 34	37.5	950	24 x 34	35	fixed	425
900 x 800	16	10103465	600	1050	28 x 41	46.5	950	24 x 41	43	fixed	-
900 x 800	25	10103565	600	1090	28 x 50	55.5	990	24 x 50	51	fixed	-
1000 x 800	10	10103395	600	1160	28 x 37	40	950	24 x 34	35	fixed	460
1000 x 800	16	10103495	600	1170	28 x 44	50	950	24 x 41	43	fixed	-
1000 x 800	25	10103595	600	1210	28 x 57	60	990	24 x 50	51	fixed	-
1000 x 900	10	10103396	600	1160	28 x 37	40	1050	28 x 34	37.5	fixed	500
1000 x 900	16	10103496	600	1170	28 x 44	50	1050	28 x 41	46.5	fixed	-
1000 x 900	25	10103596	600	1210	28 x 57	60	1090	28 x 50	55.5	fixed	-



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100% MADE IN EUROPE



Product description

- All flanged tee for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.



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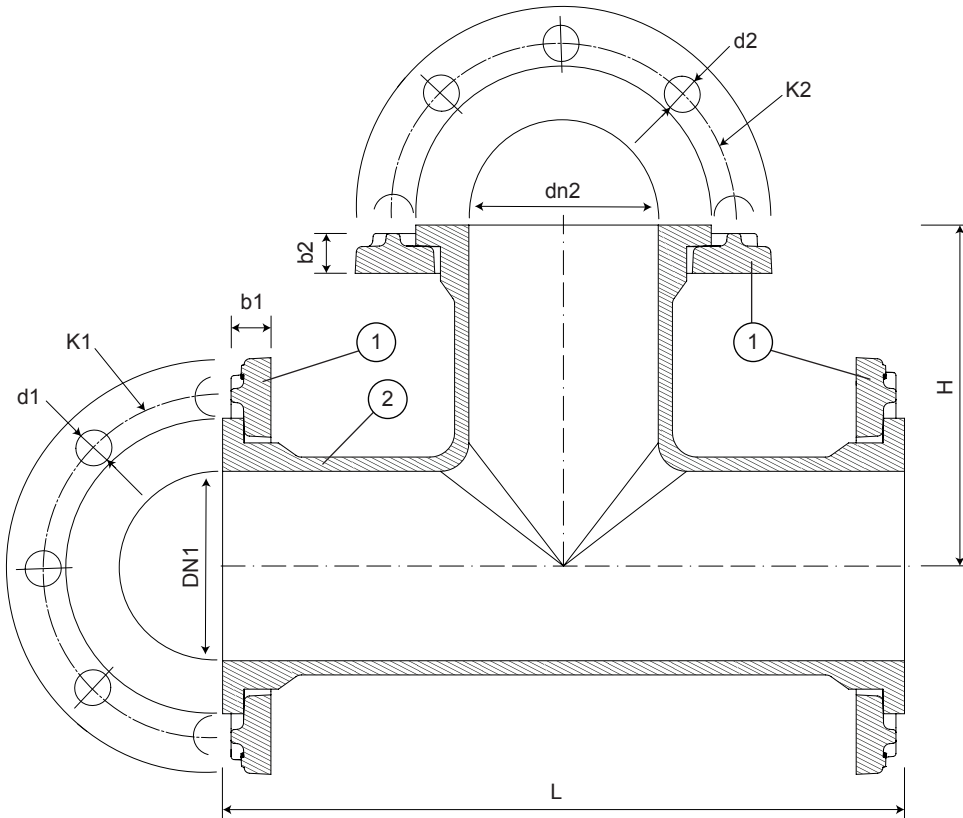
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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16/25

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DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
40 x 40	10/16	10020019	255	130	110	4 x 19	21	110	4 x 19	21	movable	8
40 x 40	25	10023021	255	130	110	4 x 19	21	110	4 x 19	21	movable	8
50 x 40	10/16	10020015	280	130	125	4 x 19	21	110	4 x 19	21	movable	10
50 x 40	25	10023017	280	130	125	4 x 19	21	110	4 x 19	21	movable	10
50 x 50	10/16	10020020	280	140	125	4 x 19	21	125	4 x 19	21	movable	10
50 x 50	25	10023020	280	140	125	4 x 19	21	125	4 x 19	21	movable	10
60 x 40	10/16	10020016	305	130	135	4 x 19	21	110	4 x 19	21	movable	11
60 x 40	25	10023022	305	130	135	8 x 19	21	110	4 x 19	21	movable	11
60 x 50	10/16	10020035	305	150	135	4 x 19	21	125	4 x 19	21	movable	11
60 x 50	25	10023036	305	150	135	8 x 19	21	125	4 x 19	21	movable	11
60 x 60	10/16	10020030	305	150	135	4 x 19	21	135	4 x 19	21	movable	11
60 x 60	25	10023032	305	150	135	8 x 19	21	135	8 x 19	21	movable	11
65 x 40	10/16	10020014	305	130	145	4 x 19	21	110	4 x 19	21	movable	11
65 x 40	25	10023016	305	130	145	8 x 19	21	110	4 x 19	21	movable	11
65 x 50	10/16	10020036	305	150	145	4 x 19	21	125	4 x 19	21	movable	12
65 x 50	25	10023037	305	150	145	8 x 19	21	125	4 x 19	21	movable	12
65 x 60	10/16	10020038	305	150	145	4 x 19	21	135	4 x 19	21	movable	12
65 x 60	25	10023039	305	150	145	8 x 19	21	135	8 x 19	21	movable	12
65 x 65	10/16	10020040	305	150	145	4 x 19	21	145	4 x 19	21	movable	12
65 x 65	25	10023040	305	150	145	8 x 19	21	145	8 x 19	21	movable	12

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Flanged fittings
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Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
80 x 40	10/16	10020017	310	135	160	8 x 19	21	110	4 x 19	21	movable	13
80 x 40	25	10023043	310	135	160	8 x 19	21	110	4 x 19	21	movable	13
80 x 50	10/16	10020044	310	155	160	8 x 19	21	125	4 x 19	21	movable	13
80 x 50	25	10023045	310	155	160	8 x 19	21	125	4 x 19	21	movable	13
80 x 60	10/16	10020046	310	155	160	8 x 19	21	135	4 x 19	21	movable	13
80 x 60	25	10023046	310	155	160	8 x 19	21	135	8 x 19	21	movable	13
80 x 65	10/16	10020048	310	155	160	8 x 19	21	145	4 x 19	21	movable	14
80 x 65	25	10023049	310	155	160	8 x 19	21	145	8 x 19	21	movable	14
80 x 80	10/16	10020050	330	165	160	8 x 19	21	160	8 x 19	21	movable	15
80 x 80	25	10023050	330	165	160	8 x 19	21	160	8 x 19	21	movable	15
100 x 40	10/16	10020018	320	145	180	8 x 19	21	110	4 x 19	21	movable	15
100 x 40	25	10023019	320	145	190	8 x 23	21	110	4 x 19	21	movable	16
100 x 50	10/16	10020052	320	165	180	8 x 19	21	125	4 x 19	21	movable	16
100 x 50	25	10023052	320	165	190	8 x 23	21	125	4 x 19	21	movable	16
100 x 60	10/16	10020054	320	165	180	8 x 19	21	135	4 x 19	21	movable	16
100 x 60	25	10020055	320	165	190	8 x 23	21	135	8 x 19	21	movable	17
100 x 65	10/16	10020056	320	165	180	8 x 19	21	145	4 x 19	21	movable	17
100 x 65	25	10023057	320	165	190	8 x 23	21	145	8 x 19	21	movable	17
100 x 80	10/16	10020058	330	170	180	8 x 19	21	160	8 x 19	21	movable	18
100 x 80	25	10023059	330	170	190	8 x 23	21	160	8 x 19	21	movable	18
100 x 100	10/16	10020060	360	180	180	8 x 19	21	180	8 x 19	21	movable	18
100 x 100	25	10023060	360	180	190	8 x 23	21	190	8 x 23	21	movable	21
125 x 40	10/16	10020059	330	160	210	8 x 19	21	110	4 x 19	21	movable	17
125 x 40	25	10023061	330	160	220	8 x 28	21	110	4 x 19	21	movable	18
125 x 50	10/16	10020061	330	180	210	8 x 19	21	125	4 x 19	21	movable	18
125 x 50	25	10023062	330	180	220	8 x 28	21	125	4 x 19	21	movable	19
125 x 60	10/16	10020062	330	180	210	8 x 19	21	135	4 x 19	21	movable	19
125 x 60	25	10023063	330	180	220	8 x 28	21	135	8 x 19	21	movable	21
125 x 65	10/16	10020064	330	180	210	8 x 19	21	145	4 x 19	21	movable	19
125 x 65	25	10023064	330	180	220	8 x 28	21	145	8 x 19	21	movable	21
125 x 80	10/16	10020066	350	185	210	8 x 19	21	160	8 x 19	21	movable	19
125 x 80	25	10023067	350	185	220	8 x 28	21	160	8 x 19	21	movable	21
125 x 100	10/16	10020068	370	195	210	8 x 19	21	180	8 x 19	21	movable	21
125 x 100	25	10023069	370	195	220	8 x 28	21	190	8 x 23	21	movable	23
125 x 125	10/16	10020070	400	200	210	8 x 19	21	210	8 x 19	21	movable	23
125 x 125	25	10023070	400	200	220	8 x 28	21	220	8 x 28	21	movable	25
150 x 40	10/16	10023070	340	170	240	8 x 23	21	110	4 x 19	21	movable	23
150 x 40	25	10023078	340	170	250	8 x 28	21	110	4 x 19	21	movable	23
150 x 50	10/16	10020078	340	190	240	8 x 23	21	125	4 x 19	21	movable	23
150 x 50	25	10023079	340	190	250	8 x 28	21	125	4 x 19	21	movable	24
150 x 60	10/16	10020080	340	190	240	8 x 23	21	135	4 x 19	21	movable	24
150 x 60	25	10023080	340	190	250	8 x 28	21	135	8 x 19	21	movable	24
150 x 65	10/16	10020082	340	190	240	8 x 23	21	145	4 x 19	21	movable	24
150 x 65	25	10023083	340	190	250	8 x 28	21	145	8 x 19	21	movable	24
150 x 80	10/16	10020084	360	200	240	8 x 23	21	160	8 x 19	21	movable	25
150 x 80	25	10023084	360	200	250	8 x 28	21	160	8 x 19	21	movable	26
150 x 100	10/16	10020086	380	205	240	8 x 23	21	180	8 x 19	21	movable	26
150 x 100	25	10023087	380	205	250	8 x 28	21	190	8 x 23	21	movable	29

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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
150 x 125	10/16	10020088	410	215	240	8 x 23	21	210	8 x 19	21	movable	27
150 x 125	25	10023089	410	215	250	8 x 28	21	220	8 x 28	21	movable	31
150 x 150	10/16	10020090	440	220	240	8 x 23	21	240	8 x 23	21	movable	30
150 x 150	25	10023091	440	220	250	8 x 28	21	250	8 x 28	21	movable	32
175 x 80	10/16	10020093	480	215	270	8 x 23	21	160	8 x 19	21	movable	30
175 x 80	25	10023299	480	215	-	-	-	160	8 x 19	21	movable	32
175 x 100	10/16	10020095	480	215	270	8 x 23	21	180	8 x 19	21	movable	31
175 x 100	25	10023301	480	215	-	-	-	190	8 x 23	21	movable	34
175 x 125	10/16	10020097	480	240	270	8 x 23	21	210	8 x 19	21	movable	33
175 x 125	25	10023303	480	240	-	-	-	220	8 x 28	21	movable	36
175 x 150	10/16	10020099	480	240	270	8 x 23	21	240	8 x 23	21	movable	35
175 x 150	25	10023305	480	240	-	-	-	250	8 x 28	21	movable	37
175 x 175	10/16	10020101	480	240	270	8 x 23	21	270	8 x 23	21	movable	36
175 x 175	25	10023307	480	240	-	-	-	-	-	-	movable	39
200 x 50	10/16	10020092	365	195	295	8 - 12 x 23	22	125	4 x 19	21	movable	30
200 x 50	25	10023093	365	195	310	12 x 28	22	125	4 x 19	21	movable	30
200 x 60	10/16	10020094	365	215	295	8 - 12 x 23	22	135	4 x 19	21	movable	30
200 x 60	25	10023095	365	215	310	12 x 28	22	135	8 x 19	21	movable	30
200 x 65	10/16	10020096	365	215	295	8 - 12 x 23	22	145	4 x 19	21	movable	31
200 x 65	25	10023097	365	215	310	12 x 28	22	145	8 x 19	21	movable	31
200 x 80	10/16	10020098	380	225	295	8 - 12 x 23	22	160	8 x 19	21	movable	32
200 x 80	25	10023099	380	225	310	12 x 28	22	160	8 x 19	21	movable	34
200 x 100	10/16	10020100	400	230	295	8 - 12 x 23	22	180	8 x 19	21	movable	34
200 x 100	25	10023101	400	230	310	12 x 28	22	190	8 x 23	21	movable	37
200 x 125	10/16	10020102	435	240	295	8 - 12 x 23	22	210	8 x 19	21	movable	36
200 x 125	25	10023103	435	240	310	12 x 28	22	220	8 x 28	21	movable	38
200 x 150	10/16	10020104	460	245	295	8 - 12 x 23	22	240	8 x 23	21	movable	41
200 x 150	25	10023105	460	245	310	12 x 28	22	250	8 x 28	21	movable	42
200 x 175	10/16	10020105	520	260	295	8 - 12 x 23	22	270	8 x 23	21	movable	42
200 x 175	25	10023106	520	260	310	12 x 28	22	-	-	-	movable	45
200 x 200	10/16	10020106	520	260	295	8 - 12 x 23	22	295	8 - 12 x 23	22	movable	44
200 x 200	25	10023107	520	260	310	12 x 28	22	310	12 x 28	22	movable	47
250 x 50	10	10020112	385	260	350	12 x 23	26	125	4 x 19	21	movable	43
250 x 50	16	10020113	385	260	355	12 x 28	26	125	4 x 19	21	movable	43
250 x 50	25	10023113	385	260	370	12 x 31	26	125	4 x 19	21	movable	44
250 x 60	10	10020114	385	260	350	12 x 23	26	135	4 x 19	21	movable	43
250 x 60	16	10020115	385	260	355	12 x 28	26	135	4 x 19	21	movable	43
250 x 60	25	10023114	385	260	370	12 x 31	26	135	8 x 19	21	movable	45
250 x 65	10	10020116	385	260	350	12 x 23	26	145	4 x 19	21	movable	44
250 x 65	16	10020117	385	260	355	12 x 28	26	145	4 x 19	21	movable	44
250 x 65	25	10023117	385	260	370	12 x 31	26	145	8 x 19	21	movable	47
250 x 80	10	10020118	405	265	350	12 x 23	26	160	8 x 19	21	movable	47
250 x 80	16	10020119	405	265	355	12 x 28	26	160	8 x 19	21	movable	47
250 x 80	25	10023118	405	265	370	12 x 31	26	160	8 x 19	21	movable	49
250 x 100	10	10020120	425	270	350	12 x 23	26	180	8 x 19	21	movable	47
250 x 100	16	10020121	425	270	355	12 x 28	26	180	8 x 19	21	movable	48
250 x 100	25	10023122	425	270	370	12 x 31	26	190	8 x 23	21	movable	51
250 x 125	10	10020122	485	280	350	12 x 23	26	210	8 x 19	21	movable	50

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ALL FLANGED TEE
Flanged fittings
DN 40 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
250 x 125	16	10020123	485	280	355	12 x 28	26	210	8 x 19	21	movable	50
250 x 125	25	10023124	485	280	370	12 x 31	26	220	8 x 28	21	movable	54
250 x 150	10	10020124	485	280	350	12 x 23	26	240	8 x 23	21	movable	52
250 x 150	16	10020125	485	280	355	12 x 28	26	240	8 x 23	21	movable	52
250 x 150	25	10023126	485	280	370	12 x 31	26	250	8 x 28	21	movable	57
250 x 200	10	10020126	540	290	350	12 x 23	26	295	8 - 12 x 23	22	movable	57
250 x 200	16	10020127	540	290	355	12 x 28	26	295	8 - 12 x 23	22	movable	57
250 x 200	25	10023128	540	290	370	12 x 31	26	310	12 x 28	22	movable	61
250 x 250	10	10020128	600	300	350	12 x 23	26	350	12 x 23	26	movable	68
250 x 250	16	10020129	600	300	355	12 x 28	26	355	12 x 28	26	movable	68
250 x 250	25	10023130	600	300	370	12 x 31	26	370	12 x 31	26	movable	69
300 x 50	10	10020136	405	290	400	12 x 23	32	125	4 x 19	21	movable	57
300 x 50	16	10020137	405	290	410	12 x 28	32	125	4 x 19	21	movable	57
300 x 50	25	10023138	405	290	430	16 x 31	32	125	4 x 19	21	movable	61
300 x 60	10	10020138	405	290	400	12 x 23	32	135	4 x 19	21	movable	57
300 x 60	16	10020139	405	290	410	12 x 28	32	135	4 x 19	21	movable	57
300 x 60	25	10020132	405	290	430	16 x 31	32	135	8 x 19	21	movable	62
300 x 65	10	10020140	405	290	400	12 x 23	32	145	4 x 19	21	movable	57
300 x 65	16	10020141	405	290	410	12 x 28	32	145	4 x 19	21	movable	57
300 x 65	25	10023142	405	290	430	16 x 31	32	145	8 x 19	21	movable	62
300 x 80	10	10020142	425	295	400	12 x 23	32	160	8 x 19	21	movable	59
300 x 80	16	10020143	425	295	410	12 x 28	32	160	8 x 19	21	movable	59
300 x 80	25	10023144	425	295	430	16 x 31	32	160	8 x 19	21	movable	65
300 x 100	10	10020144	450	300	400	12 x 23	32	180	8 x 19	21	movable	62
300 x 100	16	10020145	450	300	410	12 x 28	32	180	8 x 19	21	movable	62
300 x 100	25	10020181	450	300	430	16 x 31	32	190	8 x 23	21	movable	67
300 x 125	10	10020146	505	310	400	12 x 23	32	210	8 x 19	21	movable	64
300 x 125	16	10020147	505	310	410	12 x 28	32	210	8 x 19	21	movable	64
300 x 125	25	10023148	505	310	430	16 x 31	32	220	8 x 28	21	movable	69
300 x 150	10	10020148	505	310	400	12 x 23	32	240	8 x 23	21	movable	69
300 x 150	16	10020149	505	310	410	12 x 28	32	240	8 x 23	21	movable	69
300 x 150	25	10023150	505	310	430	16 x 31	32	250	8 x 28	21	movable	74
300 x 200	10	10020150	565	320	400	12 x 23	32	295	8 - 12 x 23	22	movable	74
300 x 200	16	10020151	565	320	410	12 x 28	32	295	8 - 12 x 23	22	movable	74
300 x 200	25	10023152	565	320	430	16 x 31	32	310	12 x 28	22	movable	82
300 x 250	10	10020152	620	330	400	12 x 23	32	350	12 x 23	26	movable	86
300 x 250	16	10020153	620	330	410	12 x 28	32	355	12 x 28	26	movable	86
300 x 250	25	10023154	620	330	430	16 x 31	32	370	12 x 31	26	movable	92
300 x 300	10	10020154	680	340	400	12 x 23	32	400	12 x 23	32	movable	97
300 x 300	16	10020155	680	340	410	12 x 28	32	410	12 x 28	32	movable	97
300 x 300	25	10023156	680	340	430	16 x 31	32	430	16 x 31	32	movable	105
350 x 80	10	10020183	445	325	460	16 x 23	36	160	8 x 19	21	movable	66
350 x 80	16	10020185	445	325	470	16 x 28	36	160	8 x 19	21	movable	69
350 x 80	25	10023186	445	325	490	16 x 34	36	160	8 x 19	21	movable	74
350 x 100	10	10020158	470	330	460	16 x 23	36	180	8 x 19	21	movable	67
350 x 100	16	10020159	470	330	470	16 x 28	36	180	8 x 19	21	movable	70
350 x 100	25	10023161	470	330	490	16 x 34	36	190	8 x 23	21	movable	75
350 x 125	10	10020184	530	340	460	16 x 23	36	210	8 x 19	21	movable	73

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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
350 x 125	16	10020189	530	340	470	16 x 28	36	210	8 x 19	21	movable	76
350 x 125	25	10023190	530	340	490	16 x 34	36	220	8 x 28	21	movable	81
350 x 150	10	10020160	530	340	460	16 x 23	36	240	8 x 23	21	movable	83
350 x 150	16	10020161	530	340	470	16 x 28	36	240	8 x 23	21	movable	86
350 x 150	25	10023162	530	340	490	16 x 34	36	250	8 x 28	21	movable	91
350 x 200	10	10020178	585	350	460	16 x 23	36	295	8 - 12 x 23	22	movable	95
350 x 200	16	10020179	585	350	470	16 x 28	36	295	8 - 12 x 23	22	movable	96
350 x 200	25	10023180	585	350	490	16 x 34	36	310	12 x 28	22	movable	103
350 x 250	10	10020194	645	360	460	16 x 23	36	350	12 x 23	26	movable	99
350 x 250	16	10020190	645	360	470	16 x 28	36	355	12 x 28	26	movable	102
350 x 250	25	10023191	645	360	490	16 x 34	36	370	12 x 31	26	movable	103
350 x 300	10	10020186	760	380	460	16 x 23	36	400	12 x 23	32	movable	118
350 x 300	16	10020180	760	380	470	16 x 28	36	410	12 x 28	32	movable	121
350 x 300	25	10023181	760	380	490	16 x 34	36	430	16 x 31	32	movable	130
350 x 350	10	10020156	760	380	460	16 x 23	36	460	16 x 23	36	movable	130
350 x 350	16	10020157	760	380	470	16 x 28	36	470	16 x 28	36	movable	133
350 x 350	25	10023159	760	380	490	16 x 34	36	490	16 x 34	36	movable	142
400 x 80	10	10020162	470	335	515	16 x 28	38	160	8 x 19	21	movable	93
400 x 80	16	10020163	470	335	525	16 x 31	38	160	8 x 19	21	movable	99
400 x 80	25	10023164	470	335	550	16 x 37	38	160	8 x 19	21	movable	110
400 x 100	10	10020164	490	360	515	16 x 28	38	180	8 x 19	21	movable	94
400 x 100	16	10020165	490	360	525	16 x 31	38	180	8 x 19	21	movable	100
400 x 100	25	10023166	490	360	550	16 x 37	38	190	8 x 23	21	movable	114
400 x 125	10	10020166	550	370	515	16 x 28	38	210	8 x 19	21	movable	100
400 x 125	16	10020167	550	370	525	16 x 31	38	210	8 x 19	21	movable	106
400 x 125	25	10023168	550	370	550	16 x 37	38	220	8 x 28	21	movable	117
400 x 150	10	10020168	550	370	515	16 x 28	38	240	8 x 23	21	movable	102
400 x 150	16	10020169	550	370	525	16 x 31	38	240	8 x 23	21	movable	109
400 x 150	25	10023170	550	370	550	16 x 37	38	250	8 x 28	21	movable	121
400 x 200	10	10020174	610	380	515	16 x 28	38	295	8 - 12 x 23	22	movable	111
400 x 200	16	10020175	610	380	525	16 x 31	38	295	8 - 12 x 23	22	movable	117
400 x 200	25	10023176	610	380	550	16 x 37	38	310	12 x 28	22	movable	129
400 x 250	10	10020170	665	390	515	16 x 28	38	350	12 x 23	26	movable	128
400 x 250	16	10020171	665	390	525	16 x 31	38	355	12 x 28	26	movable	133
400 x 250	25	10023173	665	390	550	16 x 37	38	370	12 x 31	26	movable	146
400 x 300	10	10020172	725	400	515	16 x 28	38	400	12 x 23	32	movable	135
400 x 300	16	10020173	725	400	525	16 x 31	38	410	12 x 28	32	movable	142
400 x 300	25	10023172	725	400	550	16 x 37	38	430	16 x 31	32	movable	160
400 x 350	10	10020188	840	420	515	16 x 28	38	460	16 x 23	36	movable	161
400 x 350	16	10020191	840	420	525	16 x 31	38	470	16 x 28	36	movable	170
400 x 350	25	10023192	840	420	550	16 x 37	38	490	16 x 34	36	movable	184
400 x 400	10	10020176	840	420	515	16 x 28	38	515	16 x 28	38	movable	178
400 x 400	16	10020177	840	420	525	16 x 31	38	525	16 x 31	38	movable	182
400 x 400	25	10023178	840	420	550	16 x 37	38	550	16 x 37	38	movable	191
450 x 450	10	10020216	920	460	565	20 x 28	38	565	20 x 28	38	movable	204
450 x 450	16	10020217	920	460	585	20 x 31	38	585	20 x 31	38	movable	218
450 x 450	25	10023208	920	460	600	20 x 37	38	600	20 x 37	38	movable	234
500 x 100	10	10020218	535	420	620	20 x 28	40	180	8 x 19	21	movable	113

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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
500 x 100	16	10020219	535	420	650	20 x 34	40	180	8 x 19	21	movable	127
500 x 100	25	10023218	535	420	660	20 x 37	40	190	8 x 23	21	movable	138
500 x 150	10	10020222	650	440	620	20 x 28	40	240	8 x 23	21	movable	137
500 x 150	16	10020223	650	440	650	20 x 34	40	240	8 x 23	21	movable	151
500 x 150	25	10023224	650	440	660	20 x 37	40	250	8 x 28	21	movable	163
500 x 200	10	10020224	650	440	620	20 x 28	40	295	8 - 12 x 23	22	movable	141
500 x 200	16	10020225	650	440	650	20 x 34	40	295	8 - 12 x 23	22	movable	155
500 x 200	25	10023226	650	440	660	20 x 37	40	310	12 x 28	22	movable	167
500 x 250	10	10020226	885	480	620	20 x 28	40	350	12 x 23	26	movable	184
500 x 250	16	10020227	885	480	650	20 x 34	40	355	12 x 28	26	movable	198
500 x 250	25	10023228	885	480	660	20 x 37	40	370	12 x 31	26	movable	210
500 x 300	10	10020228	885	480	620	20 x 28	40	400	12 x 23	32	movable	190
500 x 300	16	10020229	885	480	650	20 x 34	40	410	12 x 28	32	movable	204
500 x 300	25	10023230	885	480	660	20 x 37	40	430	16 x 31	32	movable	216
500 x 350	10	10023239	885	480	620	20 x 28	40	400	12 x 23	32	movable	224
500 x 350	16	10023231	885	480	650	20 x 34	40	410	12 x 28	32	movable	241
500 x 350	25	10023232	885	480	660	20 x 37	40	430	16 x 31	32	movable	244
500 x 400	10	10020232	885	480	620	20 x 28	40	515	16 x 28	38	movable	224
500 x 400	16	10020233	885	480	650	20 x 34	40	525	16 x 31	38	movable	244
500 x 400	25	10023234	885	480	660	20 x 37	40	550	16 x 37	38	movable	247
500 x 500	10	10020234	1000	500	620	20 x 28	40	620	20 x 28	40	movable	261
500 x 500	16	10020235	1000	500	650	20 x 34	40	650	20 x 34	40	movable	285
500 x 500	25	10023236	1000	500	660	20 x 37	40	660	20 x 37	40	movable	296
600 x 100	10	10020246	700	500	725	20 x 31	46	180	8 x 19	21	movable	224
600 x 100	16	10020247	700	500	770	20 x 37	46	180	8 x 19	21	movable	255
600 x 100	25	10023248	700	500	770	20 x 41	46	190	8 x 23	21	movable	278
600 x 150	10	10020250	700	500	725	20 x 31	46	240	8 x 23	21	movable	228
600 x 150	16	10020251	700	500	770	20 x 37	46	240	8 x 23	21	movable	259
600 x 150	25	10023252	700	500	770	20 x 41	46	250	8 x 28	21	movable	282
600 x 200	10	10020252	700	500	725	20 x 31	46	295	8 - 12 x 23	22	movable	232
600 x 200	16	10020253	700	500	770	20 x 37	46	295	8 - 12 x 23	22	movable	263
600 x 200	25	10023254	700	500	770	20 x 41	46	310	12 x 28	22	movable	286
600 x 250	10	10020254	930	540	725	20 x 31	46	350	12 x 23	26	movable	271
600 x 250	16	10020255	930	540	770	20 x 37	46	355	12 x 28	26	movable	302
600 x 250	25	10023256	930	540	770	20 x 41	46	370	12 x 31	26	movable	325
600 x 300	10	10020256	930	540	725	20 x 31	46	400	12 x 23	32	movable	267
600 x 300	16	10020257	930	540	770	20 x 37	46	410	12 x 28	32	movable	308
600 x 300	25	10023258	930	540	770	20 x 41	46	430	16 x 31	32	movable	331
600 x 400	10	10020260	930	540	725	20 x 31	46	515	16 x 28	38	movable	295
600 x 400	16	10020261	930	540	770	20 x 37	46	525	16 x 31	38	movable	325
600 x 400	25	10023260	930	540	770	20 x 41	46	550	16 x 37	38	movable	351
600 x 500	10	10020262	1165	580	725	20 x 31	46	620	20 x 28	40	movable	342
600 x 500	16	10020263	1165	580	770	20 x 37	46	650	20 x 34	40	movable	372
600 x 500	25	10023264	1165	580	770	20 x 41	46	660	20 x 37	40	movable	398
600 x 600	10	10020264	1165	580	725	20 x 31	46	725	20 x 31	46	movable	450
600 x 600	16	10020265	1165	580	770	20 x 37	46	770	20 x 37	46	movable	-
600 x 600	25	10023266	1165	580	770	20 x 41	46	770	20 x 41	46	movable	-
700 x 700	10	10140000	1200	600	840	24 x 31	32.5	840	24 x 31	32.5	fixed	707

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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16/25

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Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
700 x 700	16	10140005	1200	600	840	24 x 37	39.5	840	24 x 37	39.5	fixed	-
700 x 700	25	10140007	1200	600	875	24 x 44	46.5	875	24 x 44	46.5	fixed	-
800 x 800	10	10140125	1350	675	950	24 x 34	35	950	24 x 34	35	fixed	860
800 x 800	16	10140130	1350	675	950	24 x 41	43	950	24 x 41	43	fixed	-
800 x 800	25	10140133	1350	675	990	24 x 50	51	990	24 x 50	51	fixed	-
900 x 900	10	10140250	1500	750	1050	28 x 34	37.5	1050	28 x 34	37.5	fixed	1100
900 x 900	16	10140255	1500	750	1050	28 x 41	46.5	1050	28 x 41	46.5	fixed	-
900 x 900	25	10140257	1500	750	1090	28 x 50	55.5	1090	28 x 50	55.5	fixed	-
1000 x 1000	10	10140375	1650	825	1160	28 x 37	40	1160	28 x 37	40	fixed	1513
1000 x 1000	16	10140380	1650	825	1170	28 x 44	50	1170	28 x 44	50	fixed	-
1000 x 1000	25	10140383	1650	825	1210	28 x 57	60	1210	28 x 57	60	fixed	-



Fucoli Somepal
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Flanged fittings

DN 40 - 1000 PN10/16/25

**Product description**

- All flanged crosshead for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.



Fucoli Somepal
FUNDAÇÃO DE FERRO, S. A.

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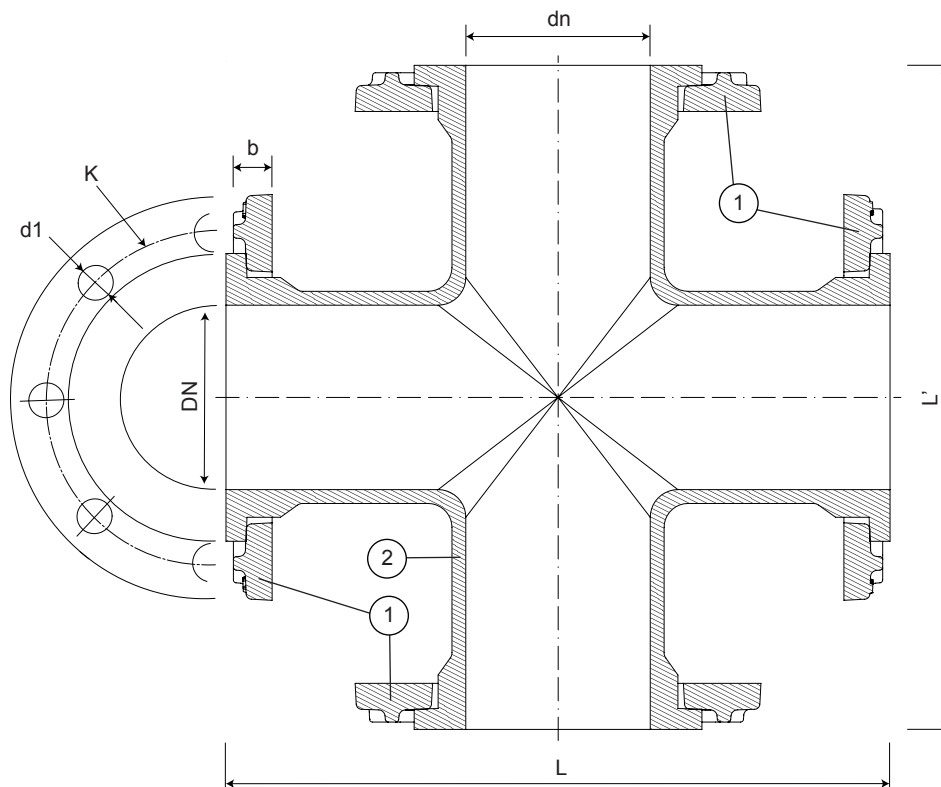
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ALL FLANGED CROSSHEAD

Flanged fittings

DN 40 - 1000 PN10/16/25

10.1300



DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN x dn	PN	code	L mm	L' mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40 x 40	10/16	10040000	255	255	110	4 x 19	21	movable	11
40 x 40	25	10043000	255	255	110	4 x 19	21	movable	11
50 x 50	10/16	10040010	280	280	125	4 x 19	21	movable	13
50 x 50	25	10043010	280	280	125	4 x 19	21	movable	13
60 x 60	10/16	10040020	305	300	135	4 x 19	21	movable	15
60 x 60	25	10043020	305	305	135	8 x 19	21	movable	15
65 x 65	10/16	10040027	305	300	145	4 x 19	21	movable	16
65 x 65	25	10043027	305	305	145	8 x 19	21	movable	16
80 x 80	10/16	10040030	330	330	160	8 x 19	21	movable	19
80 x 80	25	10043030	330	330	160	8 x 19	21	movable	19
100 x 100	10/16	10040040	360	360	180	8 x 19	21	movable	23
100 x 100	25	10043040	360	360	190	8 x 23	21	movable	25
125 x 125	10/16	10040045	400	400	210	8 x 19	21	movable	31
125 x 125	25	10043045	400	400	220	8 x 28	21	movable	31
150 x 150	10/16	10040050	440	440	240	8 x 23	21	movable	37
150 x 150	25	10043050	440	440	250	8 x 28	21	movable	39
200 x 200	10/16	10040060	520	520	295	8 - 12 x 23	22	movable	57
200 x 200	25	10043060	520	520	310	12 x 28	22	movable	58
250 x 250	10	10040070	600	600	350	12 x 23	26	movable	81
250 x 250	16	10040071	600	600	355	12 x 28	26	movable	81
250 x 250	25	10043171	600	600	370	12 x 31	26	movable	90

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All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

Ed.8 Rev.2 2/3

ALL FLANGED CROSSHEAD

10.1300

Flanged fittings

DN 40 - 1000 PN10/16/25



continued from previous page

DN x dn	PN	code	L mm	L' mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
300 x 300	10	10040080	680	680	400	12 x 23	32	movable	118
300 x 300	16	10040081	680	680	410	12 x 28	32	movable	118
300 x 300	25	10040082	680	680	430	16 x 31	32	movable	126
350 x 350	10	10040090	760	760	460	16 x 23	36	movable	158
350 x 350	16	10040091	760	760	470	16 x 28	36	movable	165
350 x 350	25	10043216	760	760	490	16 x 34	36	movable	177
400 x 400	10	10040100	840	840	515	16 x 28	38	movable	208
400 x 400	16	10040101	840	840	525	16 x 31	38	movable	211
400 x 400	25	10043252	840	840	550	16 x 37	38	movable	223
450 x 450	10	10040157	920	920	565	20 x 28	38	movable	280
450 x 450	16	10040159	920	920	585	20 x 31	38	movable	295
450 x 450	25	10043257	920	920	600	20 x 37	38	movable	320
500 x 500	10	10040288	1000	1000	620	20 x 28	40	movable	360
500 x 500	16	10040290	1000	1000	650	20 x 34	40	movable	380
500 x 500	25	10043288	1000	1000	660	20 x 37	40	movable	410
600 x 600	10	10040316	1165	1165	725	20 x 31	46	movable	510
600 x 600	16	10040318	1165	1165	770	20 x 37	46	movable	535
600 x 600	25	10043316	1165	1165	770	20 x 41	46	movable	570
700 x 700	10	10109150	1200	1200	840	24 x 31	32.5	fixed	770
700 x 700	16	10109151	1200	1200	840	24 x 37	39.5	fixed	-
700 x 700	25	10109152	1200	1200	875	24 x 44	46.5	fixed	-
800 x 800	10	10109160	1350	1350	950	24 x 34	35	fixed	950
800 x 800	16	10109161	1350	1350	950	24 x 41	43	fixed	-
800 x 800	25	10109162	1350	1350	990	24 x 50	51	fixed	-
900 x 900	10	10109170	1500	1500	1050	28 x 34	37.5	fixed	1270
900 x 900	16	10109171	1500	1500	1050	28 x 41	46.5	fixed	-
900 x 900	25	10109173	1500	1500	1090	28 x 50	55.5	fixed	-
800 x 800	10	10109160	1350	1350	950	24 x 34	35	fixed	950
800 x 800	16	10109161	1350	1350	950	24 x 41	43	fixed	-
800 x 800	25	10109162	1350	1350	990	24 x 50	51	fixed	-
900 x 900	10	10109170	1500	1500	1050	28 x 34	37.5	fixed	1270
900 x 900	16	10109171	1500	1500	1050	28 x 41	46.5	fixed	-
900 x 900	25	10109173	1500	1500	1090	28 x 50	55.5	fixed	-
1000 x 1000	10	10109180	1650	1650	1160	28 x 37	40	fixed	1500
1000 x 1000	16	10109181	1650	1650	1170	28 x 44	50	fixed	-
1000 x 1000	25	10109183	1650	1650	1210	28 x 57	60	fixed	-



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100% MADE IN EUROPE

"S" HEIGHT ADJUSTMENT BEND FLANGED DN 80 - 150 PN10/16

10.1400



Product description

- "S" height adjustment bend flanged for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Allows fire hydrants, valves or pipes to be mounted and deviated or compensated in a range of ± 0.5 m and between 0° to 360° about the principal pipe, so assuring the equipment is correctly installed
- On request possibility of PN25.



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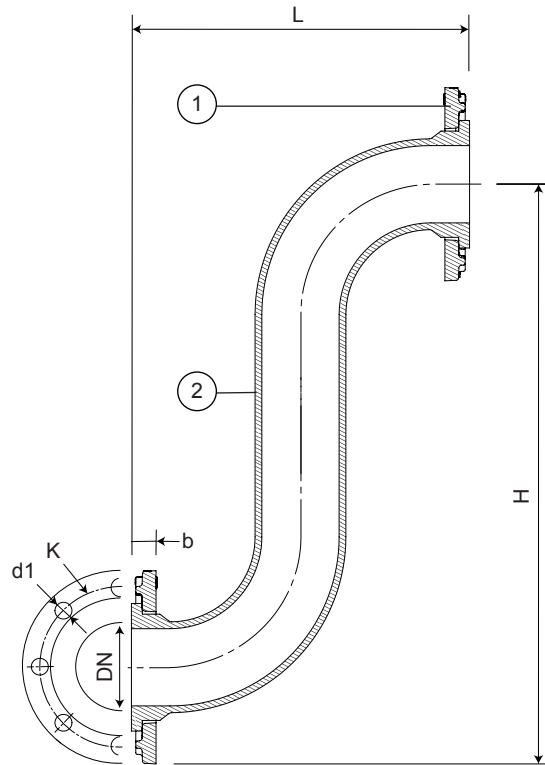
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"S" HEIGHT ADJUSTMENT BEND FLANGED
DN 80 - 150 PN10/16

10.1400



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	H mm	K mm	nº x d1 mm	b mm	Kg approx.
80	10/16	10005059	350	500	160	8 x 19	21	16
100	10/16	10005060	350	500	180	8 x 19	21	19
150	10/16	10005065	350	500	240	8 x 23	21	30



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Flanged fittings

DN 40 - 1200 PN10/16/25

**Product description**

- Flanged spigot connection for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Approvals

- ACS Potability Certificate 24 ACC NY 060

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700.

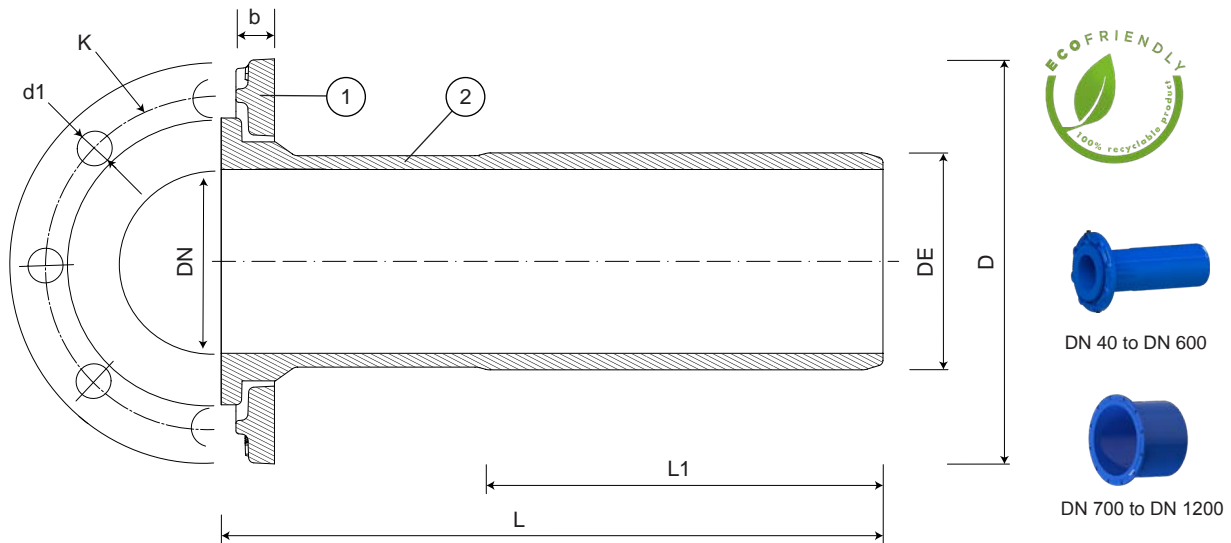
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FLANGED SPIGOT CONNECTION

10.1500

Flanged fittings

DN 40 - 1200 PN10/16/25



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	DE	PN	code	L mm	L1 mm	K mm	n° x d1 mm	b mm	D mm	Flange movable / fixed	Kg approx.
40	56	10/16	10090010	335	200	110	4 x 19	21	150	movable	5
40	56	25	10091010	335	200	110	4 x 19	21	150	movable	5
50	66	10/16	10090020	340	200	125	4 x 19	21	165	movable	6
50	66	25	10091020	340	200	125	4 x 19	21	165	movable	6
60	77	10/16	10090030	345	200	135	4 x 19	21	175	movable	6
60	77	25	10091030	345	200	135	8 x 19	21	175	movable	6
65	82	10/16	10090040	345	200	145	4 x 19	21	185	movable	7
65	82	25	10091040	345	200	145	8 x 19	21	185	movable	7
80	98	10/16	10090050	350	215	160	8 x 19	21	200	movable	8
80	98	25	10091050	350	215	160	8 x 19	21	200	movable	8
100	118	10/16	10090060	360	215	180	8 x 19	21	220	movable	12
100	118	25	10091060	360	215	190	8 x 23	21	235	movable	12
125	144	10/16	10090070	370	220	210	8 x 19	21	250	movable	13
125	144	25	10091070	370	220	220	8 x 28	21	270	movable	13
150	170	10/16	10090080	380	225	240	8 x 23	21	285	movable	16
150	170	25	10091080	380	225	250	8 x 28	21	300	movable	16
200	222	10/16	10090090	400	230	295	8 - 12 x 23	22	340	movable	24
200	222	25	10091090	400	230	310	12 x 28	22	360	movable	24
250	274	10	10090100	420	240	350	12 x 23	26	400	movable	34
250	274	16	10090105	420	240	355	12 x 28	26	400	movable	34
250	274	25	10091100	420	240	370	12 x 31	26	425	movable	36
300	326	10	10090110	440	250	400	12 x 23	32	455	movable	50
300	326	16	10090115	440	250	410	12 x 28	32	455	movable	50
300	326	25	10091110	440	250	430	16 x 31	32	485	movable	52
350	378	10	10090120	460	260	460	16 x 23	36	505	movable	56
350	378	16	10090125	460	260	470	16 x 28	36	520	movable	58
350	378	25	10091120	460	260	490	16 x 34	36	555	movable	63
400	429	10	10090130	480	270	515	16 x 28	38	565	movable	78

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All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

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FLANGED SPIGOT CONNECTION

10.1500

Flanged fittings

DN 40 - 1200 PN10/16/25



continued from previous page

DN	DE	PN	code	L mm	L1 mm	K mm	nº x d1 mm	b mm	D mm	Flange movable / fixed	Kg approx.
400	429	16	10090135	480	270	525	16 x 31	38	580	móvel	80
400	429	25	10091130	480	270	550	16 x 37	38	620	móvel	86
450	480	10	10090140	500	280	565	20 x 28	38	615	móvel	86
450	480	16	10090145	500	280	585	20 x 31	38	640	móvel	91
450	480	25	10091140	500	280	600	20 x 37	38	670	móvel	99
500	532	10	10090150	520	290	620	20 x 28	40	670	móvel	113
500	532	16	10090155	520	290	650	20 x 34	40	715	móvel	122
500	532	25	10091150	520	290	660	20 x 37	40	730	móvel	126
600	635	10	10090160	560	310	725	20 x 31	46	780	móvel	160
600	635	16	10090165	560	310	770	20 x 37	46	840	móvel	165
600	635	25	10091160	560	310	770	20 x 41	46	845	móvel	-
700	738	10	10090170	600	330	840	24 x 31	32.5	895	fixa	250
700	738	16	10090175	600	330	840	24 x 37	39.5	910	fixa	260
700	738	25	10091170	600	330	875	24 x 44	46.5	960	fixa	280
800	842	10	10090180	600	330	950	24 x 34	35	1015	fixa	300
800	842	16	10090185	600	330	950	24 x 41	43	1025	fixa	315
800	842	25	10091180	600	330	990	24 x 50	51	1085	fixa	335
900	945	10	10090190	600	330	1050	28 x 34	37.5	1115	fixa	330
900	945	16	10090195	600	330	1050	28 x 41	46.5	1125	fixa	350
900	945	25	10091190	600	330	1090	28 x 50	55.5	1185	fixa	370
1000	1048	10	10090200	600	330	1160	28 x 37	40	1230	fixa	352
1000	1048	16	10090205	600	330	1170	28 x 44	50	1255	fixa	374
1000	1048	25	10091200	600	330	1210	28 x 57	60	1320	fixa	437
1200	1255	10	10090210	600	330	1380	32 x 41	45	1455	fixa	454
1200	1255	16	10090215	600	330	1390	32 x 50	57	1485	fixa	503
1200	1255	25	10091210	600	330	1420	32 x 57	69	1530	fixa	617



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Flanged fittings

DN 50 - 600 PN10/16

**Product description**

- Flanged grater for drinking water and neutral liquids

Standards

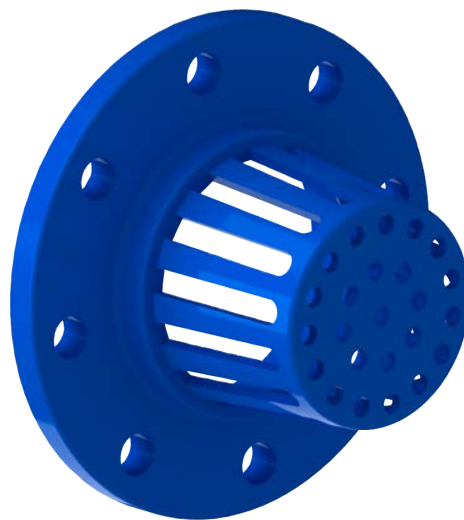
- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

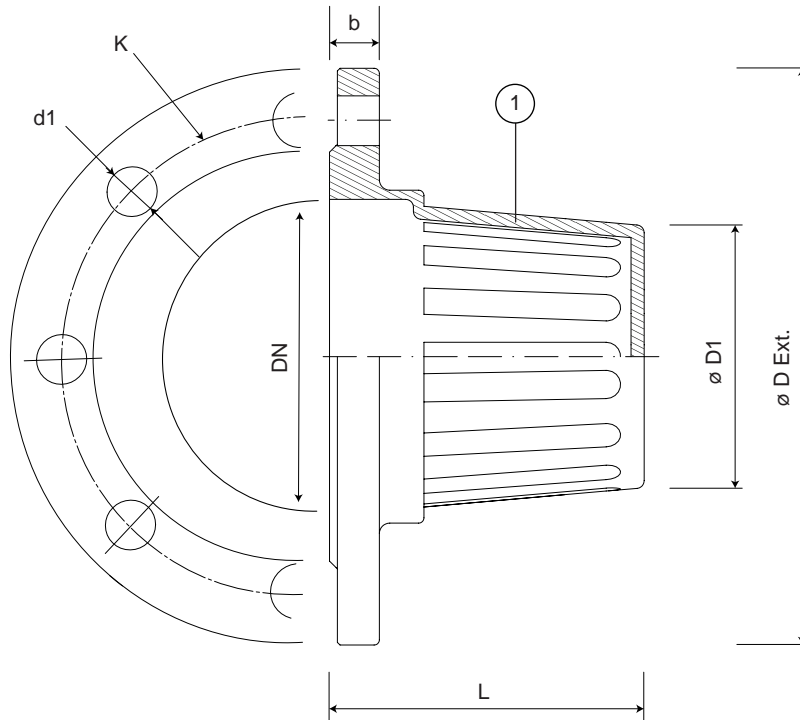
Features

- Fitting approved for drinking water
- Body and flange in ductile iron cast iron EN-GJS-500-7
- Fast and easy to install.

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FLANGED GRATER
Flanged fittings
 DN 50 - 600 PN10/16

10.1600



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	$\varnothing D1$ mm	$\varnothing D Ext.$	K mm	n° x d1 mm	b mm	Kg approx.
50	10/16	10506010	100	50	165	125	4 x 19	19	2
60	10/16	10506020	100	60	175	135	4 x 19	19	3
65	10/16	10506022	110	70	185	145	4 x 19	19	3
80	10/16	10506030	112	84	200	160	8 x 19	19	4
100	10/16	10506040	120	100	220	180	8 x 19	19	5
125	10/16	10506050	130	125	250	210	8 x 19	19	6
150	10/16	10506060	140	150	285	240	8 x 23	19	8
200	10	10506070	165	200	340	295	8 x 23	20	13
200	16	10506075	165	200	340	295	12 x 23	20	13
250	10	10506080	180	250	400	350	12 x 23	22	17
250	16	10506085	180	250	400	355	12 x 28	22	17
300	10	10506090	195	305	455	400	12 x 23	24.5	19
300	16	10506095	195	305	455	410	12 x 28	24.5	22
350	10	10506100	-	-	-	460	16 x 23	24.5	25
350	16	10506105	-	-	-	470	16 x 28	26.5	25
400	10	10506110	270	405	565	515	16 x 28	24.5	32
400	16	10506115	270	405	580	525	16 x 31	28	35
450	10	10506120	-	-	-	565	20 x 28	25.5	42
450	16	10506125	-	-	-	585	20 x 31	30	42
500	10	10506130	325	505	670	620	20 x 28	26.5	46
500	16	10506135	325	505	715	650	20 x 34	31.5	46
600	10	10506140	-	-	-	725	20 x 31	30	-
600	16	10506145	-	-	-	770	20 x 37	36	-



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100% MADE IN EUROPE

Flanged fittings

DN 40 - 1000 PN10/16/25

**Product description**

- Flanged 45° tee for drinking water and neutral liquids

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16/25

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according to EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting approved for drinking water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Fitting with movable flanges up to DN 250 (inclusive) and fixed flanges from DN 300.

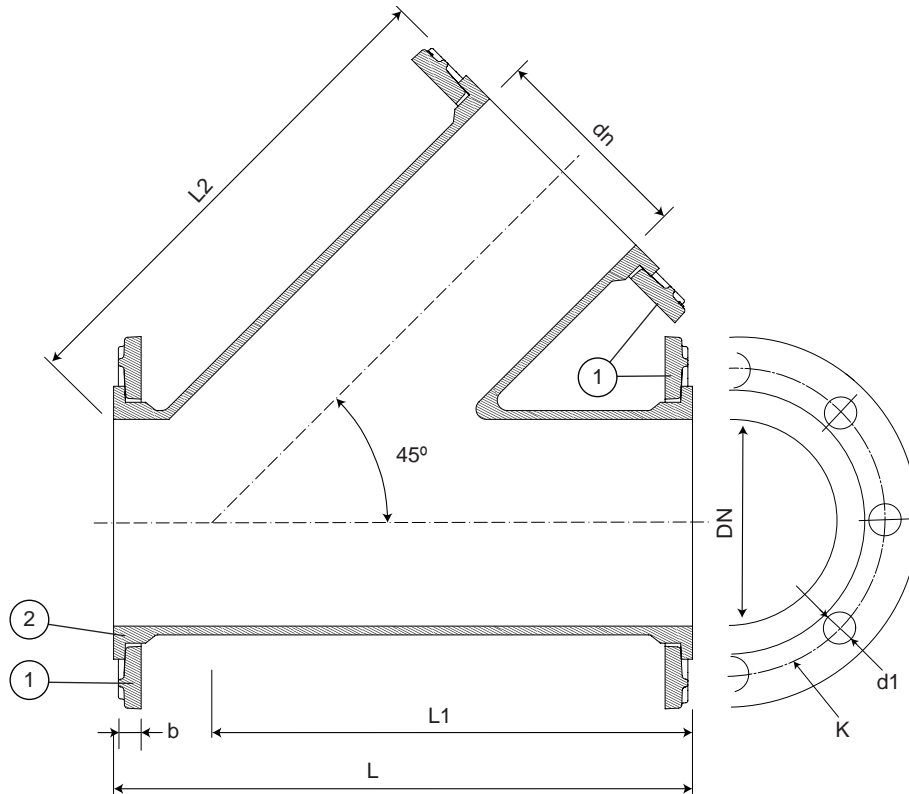
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FLANGED TEE

Flanged fittings

DN 40 - 1000 PN10/16/25

10.1700



DN 40 to DN 250



DN 300 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN x dn	PN	code	L mm	L1 mm	L2 mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40 x 40	10/16	10150200	255	210	220	110	4 x 19	21	movable	8
40 x 40	25	10150300	255	210	220	110	4 x 19	21	movable	-
50 x 50	10/16	10150205	280	225	245	125	4 x 19	21	movable	8
50 x 50	25	10150305	280	225	245	125	4 x 19	21	movable	-
60 x 60	10/16	10150210	305	250	270	135	4 x 19	21	movable	10
60 x 60	25	10150310	305	250	270	135	8 x 19	21	movable	-
65 x 65	10/16	10150215	305	250	270	145	4 x 19	21	movable	13
65 x 65	25	10150315	305	250	270	145	8 x 19	21	movable	-
80 x 80	10/16	10150220	330	270	290	160	8 x 19	21	movable	15
80 x 80	25	10150320	330	270	290	160	8 x 19	21	movable	-
100 x 100	10/16	10150225	360	275	325	180	8 x 19	21	movable	22
100 x 100	25	10150325	360	275	325	190	8 x 23	21	movable	-
125 x 125	10/16	10150230	440	365	370	210	8 x 19	21	movable	30
125 x 125	25	10150330	440	365	370	220	8 x 28	21	movable	-
150 x 150	10/16	10150235	500	414	410	240	8 x 23	21	movable	55
150 x 150	25	10150335	500	414	410	250	8 x 28	21	movable	-
200 x 200	10/16	10150240	560	465	480	295	8 - 12 x 23	22	movable	85
200 x 200	25	10150340	560	465	480	310	12 x 28	22	movable	-
250 x 250	10	10150245	600	470	555	350	12 x 23	26	movable	93
250 x 250	16	10150250	600	470	555	355	12 x 28	26	movable	93
250 x 250	25	10150345	600	470	555	370	12 x 31	26	movable	-

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FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16/25

10.1700



continued from previous page

DN x dn	PN	code	L mm	L1 mm	L2 mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
300 x 300	10	10136070	800	660	660	400	12 x 23	24.5	fixed	184
300 x 300	16	10136075	800	660	660	410	12 x 28	24.5	fixed	190
300 x 300	25	10182005	800	660	660	430	16 x 31	27.5	fixed	-
350 x 350	10	10136310	900	750	750	460	16 x 23	24.5	fixed	198
350 x 350	16	10136315	900	750	750	470	16 x 28	26.5	fixed	220
350 x 350	25	10182010	900	750	750	490	16 x 34	30	fixed	-
400 x 400	10	10136320	970	815	830	515	16 x 28	24.5	fixed	370
400 x 400	16	10136322	970	815	830	525	16 x 31	28	fixed	390
400 x 400	25	10182015	970	815	830	550	16 x 37	32	fixed	-
450 x 450	10	10136330	1050	880	890	565	20 x 28	25.5	fixed	410
450 x 450	16	10136335	1050	880	890	585	20 x 31	30	fixed	430
450 x 450	25	10182020	1050	880	890	600	20 x 37	34.5	fixed	-
500 x 500	10	10136340	1140	960	970	620	20 x 28	26.5	fixed	460
500 x 500	16	10136345	1140	960	970	650	20 x 34	31.5	fixed	480
500 x 500	25	10182025	1140	960	970	660	20 x 37	3w6.5	fixed	-
600 x 600	10	10136350	1320	1100	1110	725	20 x 31	30	fixed	773
600 x 600	16	10136355	1320	1100	1110	770	20 x 37	36	fixed	804
600 x 600	25	10182030	1320	1100	1110	770	20 x 41	42	fixed	-
700 x 700	10	10136360	1500	1250	1260	840	24 x 31	32.5	fixed	880
700 x 700	16	10136365	1500	1250	1260	840	24 x 37	39.5	fixed	-
700 x 700	25	10182035	1500	1250	1260	875	24 x 44	46.5	fixed	-
800 x 800	10	10136370	1700	1410	1420	950	24 x 34	35	fixed	1100
800 x 800	16	10136375	1700	1410	1420	950	24 x 41	43	fixed	-
800 x 800	25	10182040	1700	1410	1420	990	24 x 50	51	fixed	-
900 x 900	10	10136380	1850	1530	1550	1050	28 x 34	37.5	fixed	1500
900 x 900	16	10136385	1850	1530	1550	1050	28 x 41	46.5	fixed	-
900 x 900	25	10182045	1850	1530	1550	1090	28 x 50	55.5	fixed	-
1000 x 1000	10	10136390	2000	1680	1710	1160	28 x 37	40	fixed	1800
1000 x 1000	16	10136395	2000	1680	1710	1170	28 x 44	50	fixed	-
1000 x 1000	25	10182050	2000	1680	1710	1210	28 x 57	60	fixed	-



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for PE and uPVC pipes

63 - 200 PN16

**Product description**

- Double socket 90° bend with BLOCKPLUS restrain system for PE and uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fittings for drinking water
- Ductile iron cast iron EN-GJS-500-7 body and ring
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and uPVC pipes, preventing axial pipe pull out
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Blockplus range: soft sealing gate valve (ref. 01.410), flange adaptor (ref. 09.210), double socket 90° (ref.10.2000), double socket 45° (ref. 10.2001), socket collar (ref. 10.2100), all socket tee (ref. 10.2200) and end cap socket (ref. 10.2300).

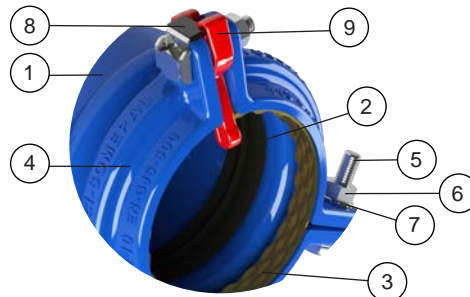
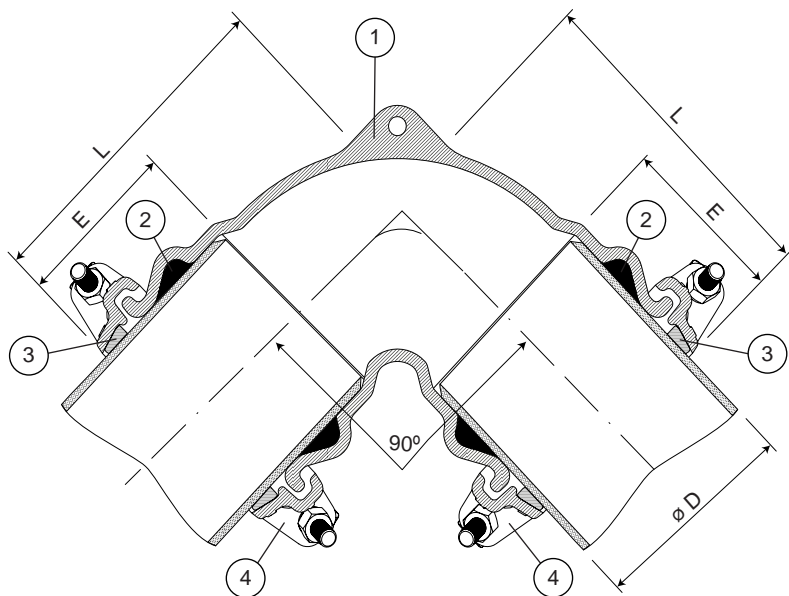


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Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Grip ring	Brass	EN 1982
4	Lock ring	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
5	Bolts	Stainless stell A2	EN 10088 - 1
6	Nuts	Stainless steel A4	EN 10088 - 1
7	Washer	Stainless stell A2	EN 10088 - 1
8	Bolt head locking device	Stainless stell A2 with protection coating	EN 10088 - 1
9	Stop tab	Polypropylene	

Reference and dimensions

Ø D ext. PE/PVC	code	L mm	E mm	Kg approx.
63	10418000	151	86	5
75	10418005	171	94	6
90	10418010	172	97	8
110	10418014	187	102	9
125	10418020	231	108	12
160	10418030	256	125	18
200	10418035	299	138	27



for PE and uPVC pipes

63 - 200 PN16

**Product description**

- Double socket 45° bend with BLOCKPLUS restrain system for PE and uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fittings for drinking water
- Ductile iron cast iron EN-GJS-500-7 body and ring
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and uPVC pipes, preventing axial pipe pull out
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock ring system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Blockplus range: soft sealing gate valve (ref. 01.410), flange adaptor (ref. 09.210), double socket 90° (ref.10.2000), double socket 45° (ref. 10.2001), socket collar (ref. 10.2100), all socket tee (ref. 10.2200) e end cap socket (ref. 10.2300).

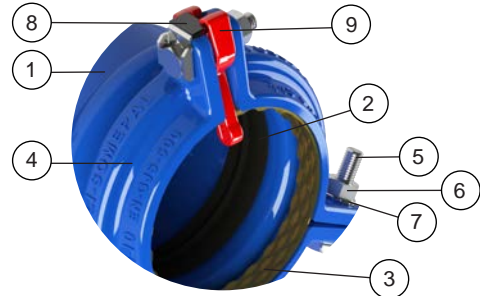
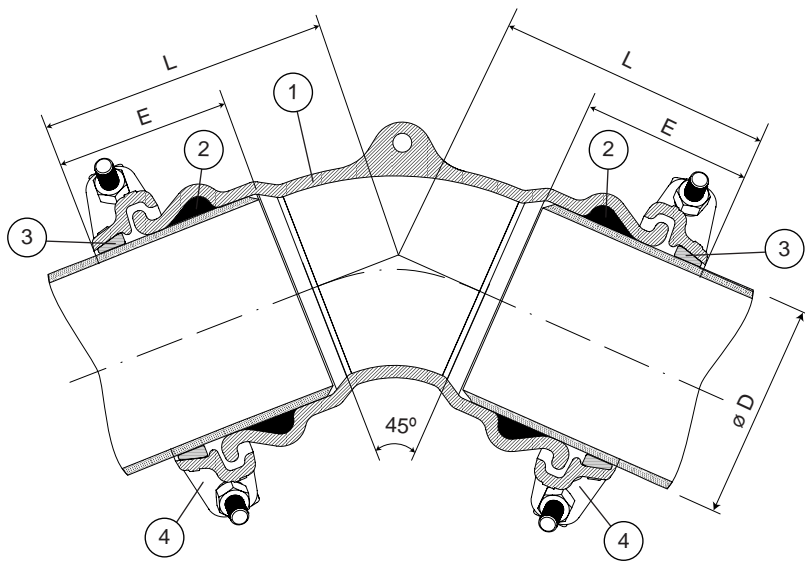


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Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Grip ring	Brass	EN 1982
4	Lock ring	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
5	Bolts	Stainless stell A2	EN 10088 - 1
6	Nuts	Stainless steel A4	EN 10088 - 1
7	Washer	Stainless stell A2	EN 10088 - 1
8	Bolt head locking device	Stainless stell A2 with protection coating	EN 10088 - 1
9	Stop tab	Polypropylene	

Reference and dimensions

Ø D ext. PE/PVC	code	L mm	E mm	Kg approx.
63	10418100	126	86	5
75	10418105	134	94	6
90	10418110	147	97	7
110	10418115	162	102	9
125	10418120	174	108	11
160	10418130	195	125	16
200	10418135	208	138	23



for PE and uPVC pipes

63 - 200 PN16



Product description

- Socket collar with BLOCKPLUS restrain system for PE and uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fittings for drinking water
- Ductile iron cast iron EN-GJS-500-7 body and ring
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and uPVC pipes, preventing axial pipe pull out
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Blockplus range: soft sealing gate valve (ref. 01.410), flange adaptor (ref. 09.210), double socket 90° (ref.10.2000), double socket 45° (ref. 10.2001), socket collar (ref. 10.2100), all socket tee (ref. 10.2200) e end cap socket (ref. 10.2300).

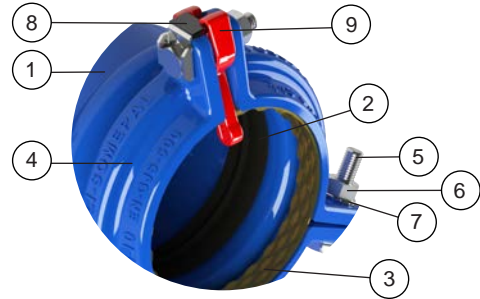
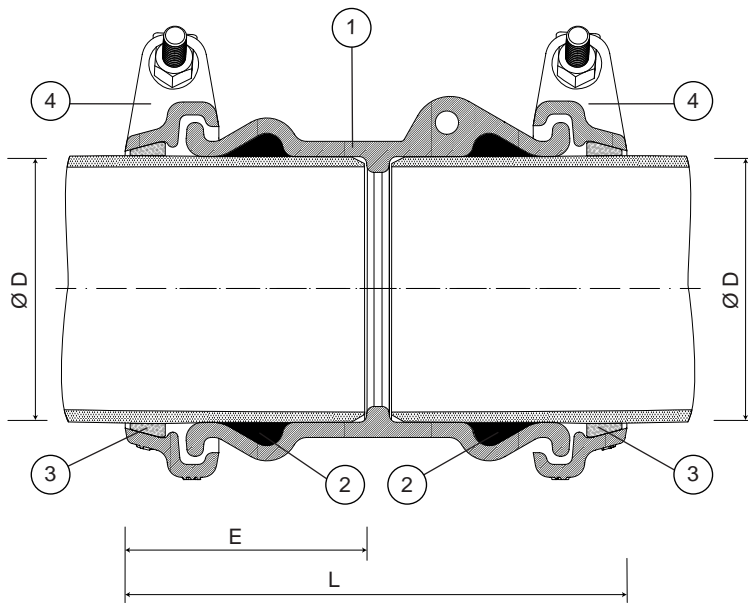


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Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Grip ring	Brass	EN 1982
4	Lock ring	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
5	Bolts	Stainless stell A2	EN 10088 - 1
6	Nuts	Stainless steel A4	EN 10088 - 1
7	Washer	Stainless stell A2	EN 10088 - 1
8	Bolt head locking device	Stainless stell A2 with protection coating	EN 10088 - 1
9	Stop tab	Polypropylene	

Reference and dimensions

Ø D ext. PE/PVC	code	L mm	E mm	Kg approx.
63	10132200	182	86	4
75	10132205	198	94	5
90	10132210	204	97	6
110	10132215	214	102	7
125	10132220	230	108	9
160	10132225	262	125	13
200	10132230	286	138	19



for PE and uPVC pipes

63 - 200 PN16

**Product description**

- All socket tee with BLOCKPLUS restrain system for PE and uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fittings for drinking water
- Ductile iron cast iron EN-GJS-500-7 body and ring
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and uPVC pipes, preventing axial pipe pull out
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock ring system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Blockplus range: soft sealing gate valve (ref. 01.410), flange adaptor (ref. 09.210), double socket 90° (ref.10.2000), double socket 45° (ref. 10.2001), socket collar (ref. 10.2100), all socket tee (ref. 10.2200) and end cap socket (ref. 10.2300).



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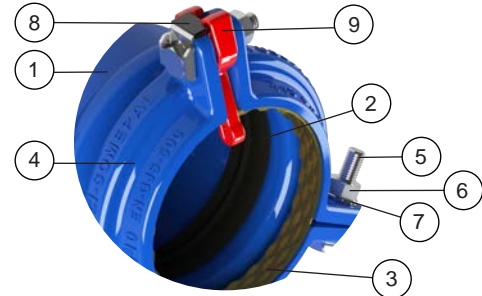
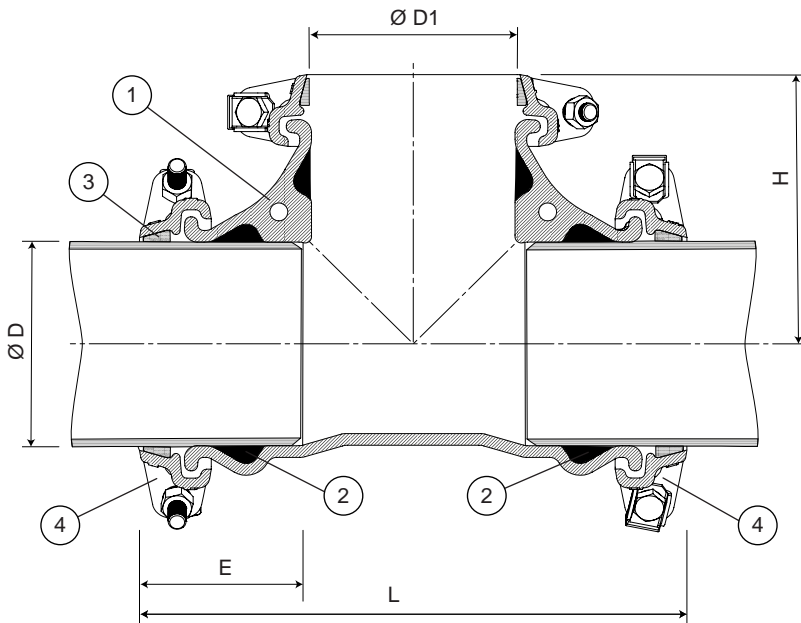
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ALL SOCKET TEE PE/UPVC BLOCKPLUS
for PE and uPVC pipes
 63 - 200 PN16

10.2200



Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Grip ring	Brass	EN 1982
4	Lock ring	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
5	Bolts	Stainless stell A2	EN 10088 - 1
6	Nuts	Stainless steel A4	EN 10088 - 1
7	Washer	Stainless stell A2	EN 10088 - 1
8	Bolt head locking device	Stainless stell A2 with protection coating	EN 10088 - 1
9	Stop tab	Polypropylene	

Reference and dimensions

Ø D ext. PE/PVC	Ø D1 ext. PE/PVC	code	L mm	E mm	H mm	Kg approx.
63	63	10458000	241	86	120	6
75	75	10458010	272	94	196	8
90	90	10458025	300	97	147	10
110	110	10458045	330	102	162	13
125	125	10458070	369	108	182	16
160	160	10458135	425	125	210	22
200	200	10458175	515	138	263	36



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for PE and uPVC pipes

63 - 200 PN16

**Product description**

- End cap socket with BLOCKPLUS restrain system for PE and uPVC pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- For PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fittings for drinking water
- Ductile iron cast iron EN-GJS-500-7 body and ring
- Socket ends with drinking water approved EPDM double lip seal ring to ensure a perfect sealing
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and uPVC pipes, preventing axial pipe pull out
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- Blockplus range: soft sealing gate valve (ref. 01.410), flange adaptor (ref. 09.210), double socket 90° (ref.10.2000), double socket 45° (ref. 10.2001), socket collar (ref. 10.2100), all socket tee (ref. 10.2200) e end cap socket (ref. 10.2300).



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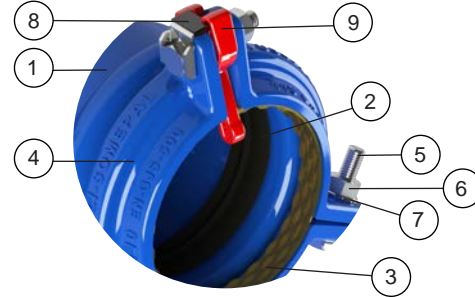
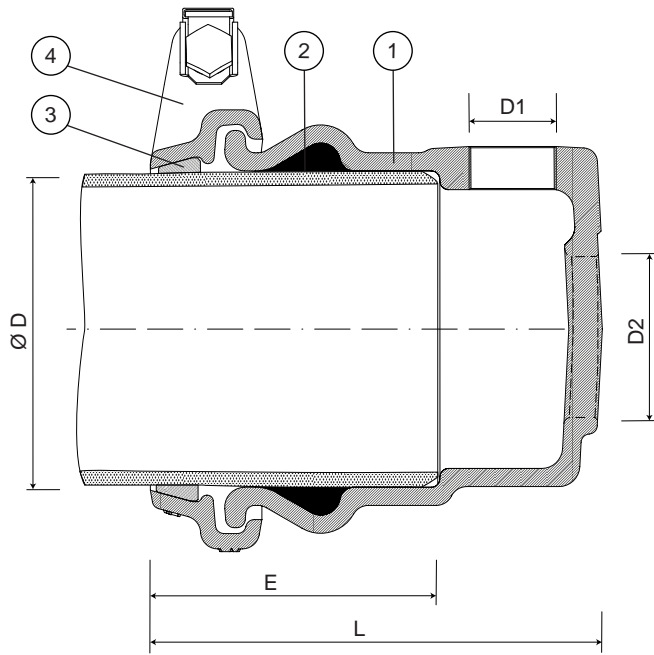
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END CAP SOCKET PE/UPVC BLOCKPLUS

for PE and uPVC pipes

63 - 200 PN16

10.2300



Lock ring BLOCKPLUS

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Grip ring	Brass	EN 1982
4	Lock ring	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
5	Bolts	Stainless stell A2	EN 10088 - 1
6	Nuts	Stainless steel A4	EN 10088 - 1
7	Washer	Stainless stell A2	EN 10088 - 1
8	Bolt head locking device	Stainless stell A2 with protection coating	EN 10088 - 1
9	Stop tab	Polypropylene	

Reference and dimensions

Ø D ext. PE/PVC	code		L mm	E mm	Kg approx.
	radial 1" D1	axial 2" D2			
63	10132400	-	144	86	3
75	10132405	10132505	152	94	4
90	10132410	10132510	155	97	6
110	10132415	10132515	160	102	5
125	10132420	10132520	163	108	6
160	10132425	10132525	172	125	8
200	10132430	10132530	182	138	10



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Fitting for PE pipe

25 - 63 PN16

**Product description**

- Adaptor with external thread and one end with tensile resistant socket joint for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- External parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes to a thread connection
- On request possibility of sealing in NBR.

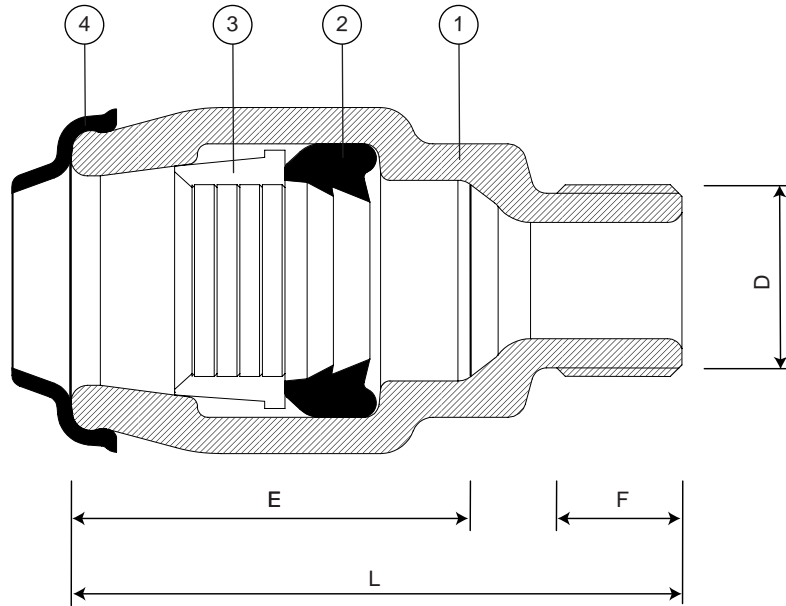
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ADAPTOR EXTERNAL THREAD/SOCKET FOR PE

10.6100

Fitting for PE pipe

25 - 63 PN16



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø ext. PE	D (BSP)	code	L mm	E mm	F mm	Kg approx.
25	G ¾"	10480550	89	58	17	1
32	G 1"	10480555	105	68	20	1
40	G 1 ¼"	10480560	118	77	25	2
50	G 1 ½"	10480565	137	96	25	2
63	G 2"	10480570	160	110	31	3



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Fitting for PE pipe

25 - 63 PN16

**Product description**

- Adaptor with internal thread and one end with tensile resistant socket joint for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

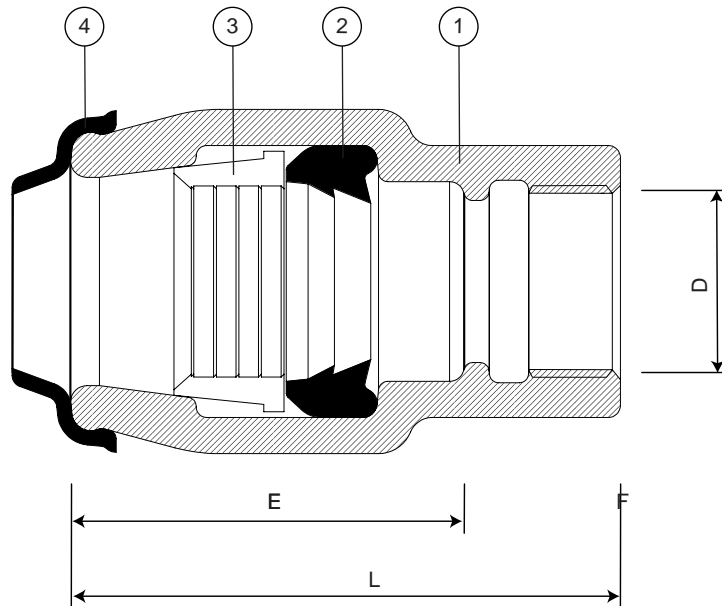
Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes to a thread connection
- On request possibility of sealing in NBR.

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Fitting for PE pipe

25 - 63 PN16

**Component list**

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

\varnothing ext. PE	D (BSP)	code	L mm	E mm	F mm	Kg approx.
25	G 3/4"	10480500	80	58	12	1
32	G 1"	10480505	95	68	16	1
40	G 1 1/4"	10480510	108	77	20	2
50	G 1 1/2"	10480515	128	96	20	2
63	G 2"	10480520	150	110	25	3



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Fitting for PE pipe

25 - 63 PN16

**Product description**

- Double socket connection with tensile resistant socket joints for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074

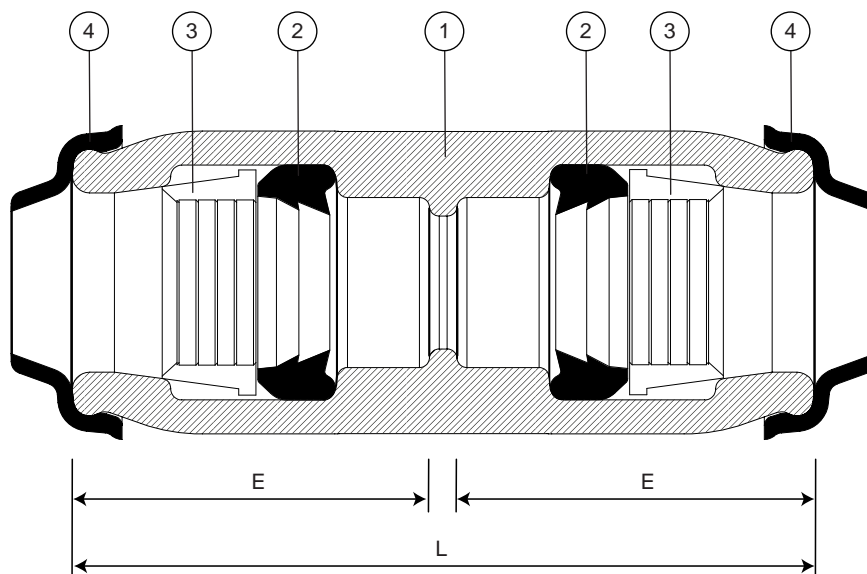
Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes connection
- On request possibility of sealing in NBR.

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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

∅ ext. PE	código	L mm	E mm	Kg aprox.
25 / 25	10480400	120	58	1
32 / 32	10480405	140	68	2
40 / 40	10480410	158	77	3
50 / 50	10480415	200	96	3
63 / 63	10480420	228	110	4



Fitting for PE pipe

25 - 63 PN16



Product description

- 90° bend with tensile resistant socket joints for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes connection
- On request possibility of sealing in NBR.



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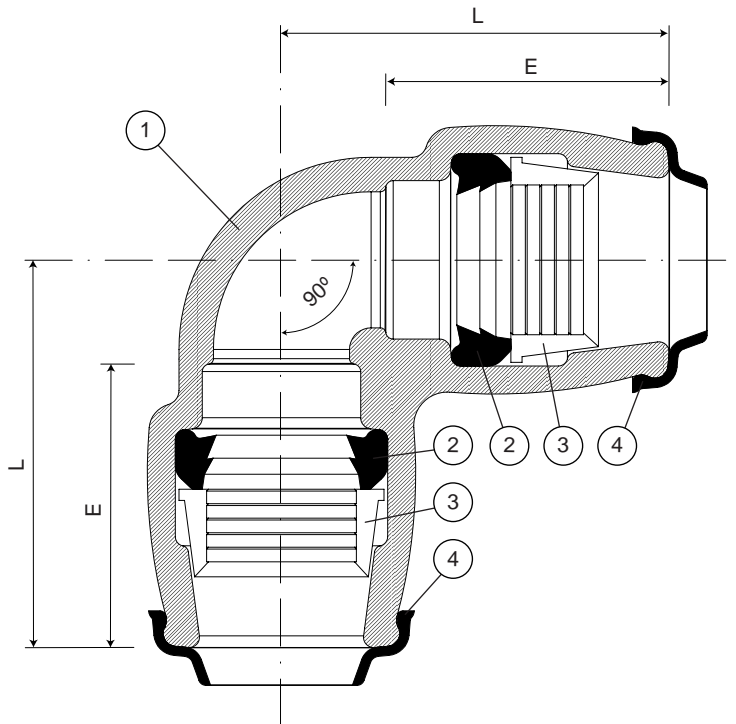
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90° SOCKET BEND FOR PE

Fitting for PE pipe

25 - 63 PN16

10.6400



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø	code	L	E	Kg
ext. PE		mm	mm	approx.
25 / 25	10001850	77	58	1
32 / 32	10001855	91	68	2
40 / 40	10001860	105	77	3
50 / 50	10001865	130	96	4
63 / 63	10001870	150	110	5



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Fitting for PE pipe

25 - 63 PN16

**Product description**

- 90° bend with internal thread and one end with tensile resistant socket joint for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

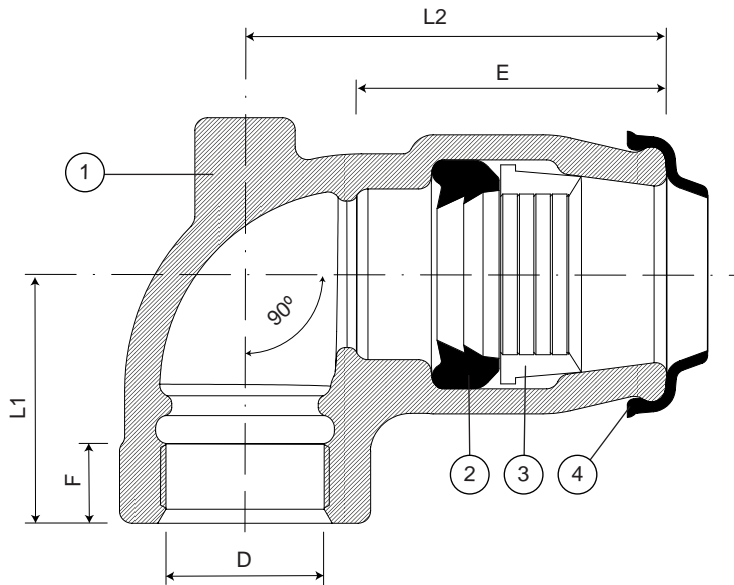
Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes to a thread connection
- On request possibility of sealing in NBR.

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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

∅ ext. PE	D (BSP)	code	L1 mm	L2 mm	E mm	F mm	Kg approx.
25	G 3/4"	10001800	48	77	58	12	1
32	G 1"	10001805	50	91	68	16	2
40	G 1 1/4"	10001810	62	105	77	20	2
50	G 1 1/2"	10001815	65	130	96	20	3
63	G 2"	10001820	80	150	110	25	4



Fitting for PE pipe

25 - 63 PN16



Product description

- 45° bend with external thread and one end with tensile resistant socket joint for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- External parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes to a thread connection
- On request possibility of sealing in NBR.



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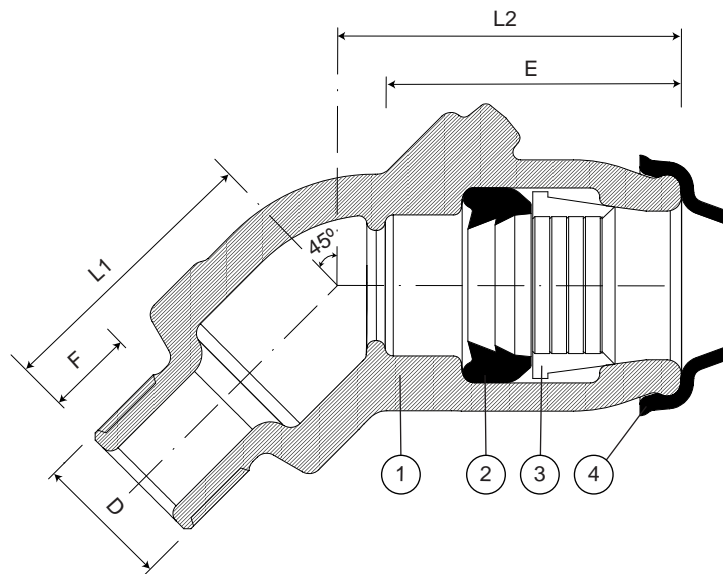
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Fitting for PE pipe

25 - 63 PN16

**Component list**

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

\emptyset	D	code	L1	L2	E	F	Kg
ext. PE	(BSP)		mm	mm	mm	mm	approx.
25	G 3/4"	10001960	55	67	58	17	1
63	G 2"	10001980	110	127	79	32	4



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100% MADE IN EUROPE

Fitting for PE pipe

25 - 63 PN16

**Product description**

- 90° bend with external thread and one end with tensile resistant socket joint for PE pipes for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Socket for PE pipes PE 80 and PE 100 according EN 12201 and DIN 8074
- External parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

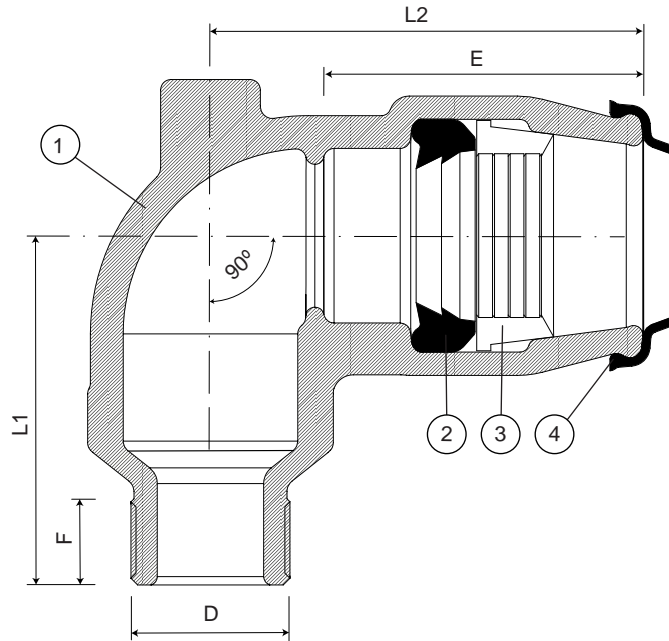
Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for drinking water
- Body in ductile cast iron (EN-GJS-500-7)
- Sockets with EPDM double lip seal ring and POM tension ring ensuring a perfect sealing and PE pipe restraint
- Fitting to assemble PE pipes to a thread connection
- On request possibility of sealing in NBR.

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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Lip seal ring	Elastomer EPDM	EN 681 - 1
3	Tension ring	POM	EN 10088 - 1
4	Protection cap	Elastomer EPDM	EN 681 - 1

Reference and dimensions

Ø ext. PE	D (BSP)	code	L1 mm	L2 mm	E mm	F mm	Kg approx.
25	G ¾"	10001900	65	77	58	17	1
32	G 1"	10001905	75	91	68	20	2
40	G 1 ¼"	10001910	93	105	77	25	2
50	G 1 ½"	10001915	105	130	96	25	3
63	G 2"	10001920	133	150	110	31	4





Product description

- Flanged soft sealing gate valve series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].



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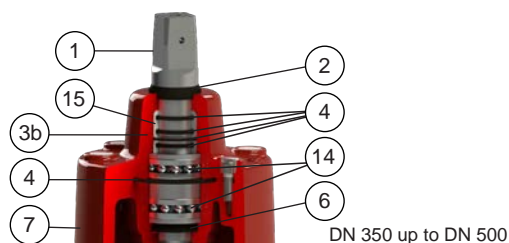
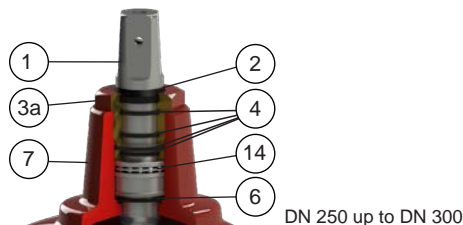
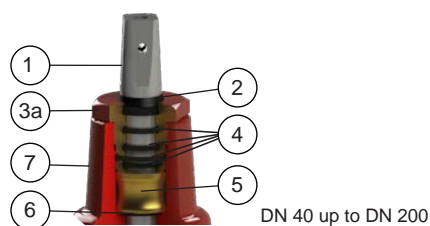
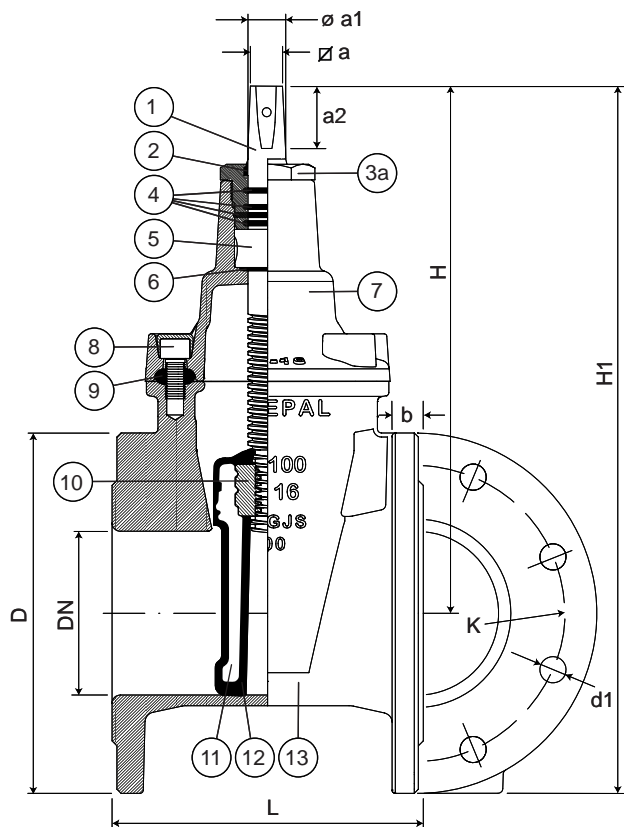
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FLANGED SOFT SEALING GATE VALVE S14 3000

DN 40 - 500 PN10/16

11.101



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10728004	150	140	203	278	110	4 x 19	19	14.1	20	29	10	8
50	10/16	10728009	165	150	235	318	125	4 x 19	19	14.1	20	29	13	10
60	10/16	10728014	175	170	250	338	135	4 x 19	19	17.1	22	34	13	12
65	10/16	10728019	185	170	250	343	145	4 x 19	19	17.1	22	34	13	12
80	10/16	10728024	200	180	290	390	160	8 x 19	19	17.1	22	34	16	17
100	10/16	10728029	220	190	325	435	180	8 x 19	19	19.1	24	38	20	20
125	10/16	10728034	250	200	362	487	210	8 x 19	19	19.1	26	38	25	24
150	10/16	10728039	285	210	425	568	240	8 x 23	19	19.1	28	38	30	35
200	10	10728044	340	230	505	675	295	8 x 23	20	24.1	32	42	34	50
200	16	10728047	340	230	505	675	295	12 x 23	20	24.1	32	42	34	50
250	10	10728049	400	250	595	795	350	12 x 23	22	27.1	36	47	42	72
250	16	10728054	400	250	595	795	355	12 x 28	22	27.1	36	47	42	72
300	10	10728059	455	270	670	898	400	12 x 23	24.5	27.1	36	47	50	105
300	16	10728064	455	270	670	898	410	12 x 28	24.5	27.1	36	47	50	105
350	10	10728069	505	290	940	1193	460	16 x 23	24.5	32.1	45	55	67	226

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

FLANGED SOFT SEALING GATE VALVE S14 3000

DN 40 - 500 PN10/16

11.101



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
350	16	10728074	520	290	940	1200	470	16 x 28	26.5	32.1	45	55	67	227
400	10	10728079	565	310	940	1223	515	16 x 28	24.5	32.1	45	55	67	251
400	16	10728084	580	310	940	1230	525	16 x 31	28	32.1	45	55	67	261
450	10	10728089	615	330	1120	1428	565	20 x 28	25.5	32.1	50	55	71	397
450	16	10728094	640	330	1120	1440	585	20 x 31	30	32.1	50	55	71	415
500	10	10728099	670	350	1120	1455	620	20 x 28	26.5	32.1	50	55	71	427
500	16	10728104	715	350	1120	1478	650	20 x 34	31.5	32.1	50	55	71	428



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prepared for electric actuator

DN 40 - 500 PN10/16

**Product description**

- Flanged soft sealing gate valve with ISO top flange prepared for electrical actuator series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 14
- ISO top flange according to ISO 5210

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- ISO top flange according ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator or bevel gearbox.



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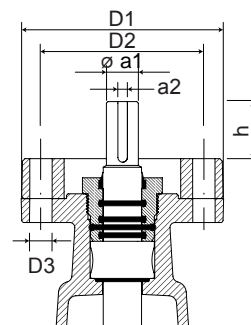
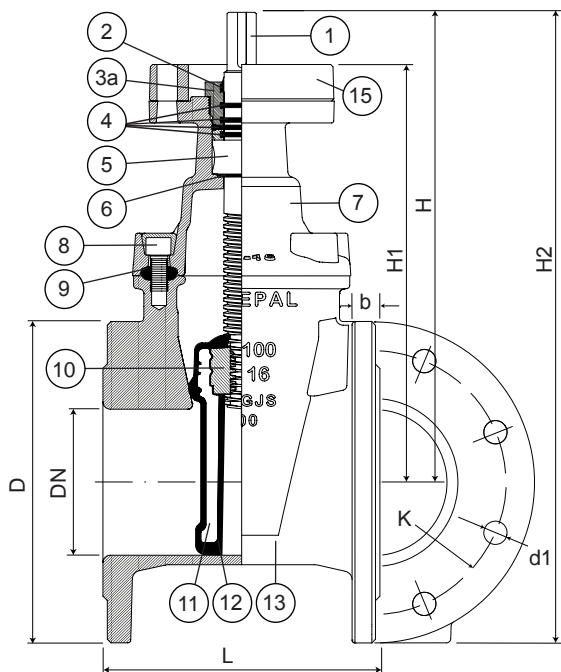
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FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S14 3000

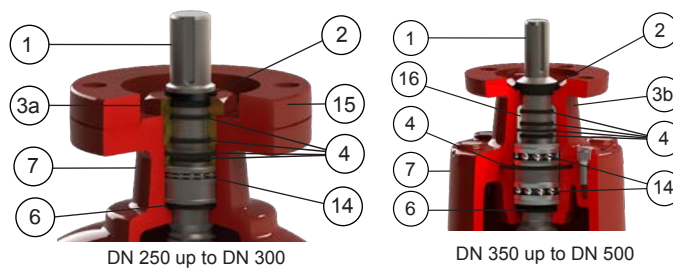
prepared for electric actuator

DN 40 - 500 PN10/16

11.102



DN 40 up to DN 200



DN 250 up to DN 300

DN 350 up to DN 500

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	H2	K	n° x d1	b	ISO 5210 flange	D1	D2	n° x D3	ø a1	a2	h	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm		
40	10/16	10738000	150	140	207	177	282	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	10
50	10/16	10738010	165	150	238	208	321	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	12
60	10/16	10738020	175	170	250	217	338	135	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	14
65	10/16	10738030	185	170	250	217	343	145	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	18
80	10/16	10738040	200	180	286	253	386	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	19
100	10/16	10738050	220	190	325	286	435	180	8 x 19	19	F10	125	102	4 x 12	20	6	39	20	23
125	10/16	10738060	250	200	362	323	487	210	8 x 19	19	F10	125	102	4 x 12	20	6	39	25	28
150	10/16	10738070	285	210	425	384	568	240	8 x 23	19	F10	125	102	4 x 12	20	6	41	30	36
200	10	10738080	340	230	505	459	683	295	8 x 23	20	F10	125	102	4 x 12	20	6	46	34	53
200	16	10738085	340	230	505	459	683	295	12 x 23	20	F10	125	102	4 x 12	20	6	46	34	53
250	10	10738090	400	250	595	545	805	350	12 x 23	22	F14	175	140	4 x 18	30	8	50	42	77
250	16	10738095	400	250	595	545	805	355	12 x 28	22	F14	175	140	4 x 18	30	8	50	42	77
300	10	10738100	455	270	670	620	898	400	12 x 23	24.5	F14	175	140	4 x 18	30	8	50	50	107
300	16	10738105	455	270	670	620	898	410	12 x 28	24.5	F14	175	140	4 x 18	30	8	50	50	110
350	10	10738110	505	290	940	875	1193	460	16 x 23	24.5	F14	175	140	4 x 18	30	8	65	67	220
350	16	10738115	520	290	940	875	1200	470	16 x 28	26.5	F14	175	140	4 x 18	30	8	65	67	224
400	10	10738120	565	310	940	875	1223	515	16 x 28	24.5	F14	175	140	4 x 18	30	8	65	67	238
400	16	10738125	580	310	940	875	1230	525	16 x 31	28	F14	175	140	4 x 18	30	8	65	67	244
450	10	10738130	615	330	1120	1055	1428	565	20 x 28	25.5	F14	175	140	4 x 18	30	8	65	71	388
450	16	10738135	640	330	1120	1055	1440	585	20 x 31	30	F14	175	140	4 x 18	30	8	65	71	396

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S14 3000
prepared for electric actuator
 DN 40 - 500 PN10/16

11.102



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	ø a1 mm	a2 mm	h mm	turns to open	Kg approx.
500	10	10738140	670	350	1120	1055	1455	620	20 x 28	26.5	F14	175	140	4 x 18	30	8	65	71	412
500	16	10738145	715	350	1120	1055	1478	650	20 x 34	31.5	F14	175	140	4 x 18	30	8	65	71	429



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FLANGED SOFT SEALING GATE VALVE S14 3000
with AUMA electric actuator
DN 40 - 500 PN10/16

11.102A



Product description

- Flanged soft sealing gate valve series 3000 with AUMA electric actuator for waste water
- Face-to-face length – S14
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 14
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water with full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR, exchangeable under pressure
- Wedge fully vulcanized with NBR
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of actuator Auma Norm single phase, Auma Matic, Aumatic or others.



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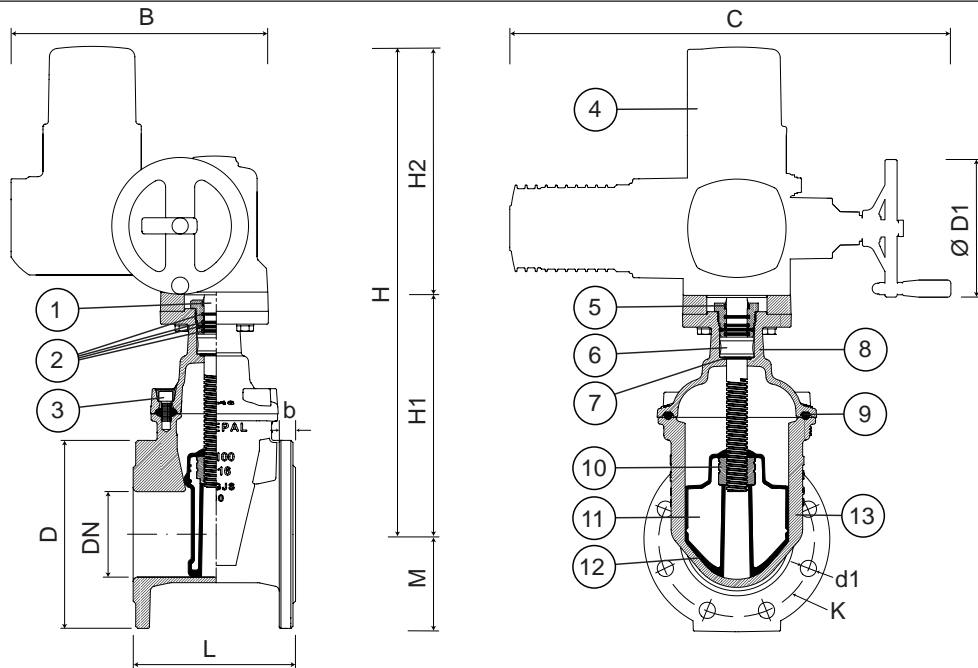
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FLANGED SOFT SEALING GATE VALVE S14 3000

with **AUMA electric actuator**

DN 40 - 500 PN10/16

11.102A



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	O-rings	Elastomer NBR	EN 681 - 1
3	Bolts	Stainless steel A2	EN 10088 - 1
4	AUMA electric actuator		
5	Clearing joint	Elastomer	
6	Stem washer	Brass	EN 12164
7	O-rings	Elastomer NBR	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA actuator	B	C	Ø D1	H2	RPM actuator	closed time s.	Kg approx.
40	10/16	10725800A	150	140	496	208	75	110	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	35
50	10/16	10725810A	165	150	496	208	83	125	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	37
60	10/16	10725820A	175	170	505	217	88	135	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	39
65	10/16	10725830A	185	170	505	217	93	145	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	43
80	10/16	10725840A	200	180	545	257	100	160	8 x 19	19	F10	SA 07.6	300	514	160	288	45	22	44
100	10/16	10725850A	220	190	576	286	110	180	8 x 19	19	F10	SA 10.2	313	537	200	290	45	27	51
125	10/16	10725860A	250	200	613	323	125	210	8 x 19	19	F10	SA 10.2	313	537	200	290	45	34	56
150	10/16	10725870A	285	210	674	384	143	240	8 x 23	19	F10	SA 10.2	313	537	200	290	45	40	64
200	10	10725880A	340	230	749	459	115	295	8 x 23	20	F10	SA 10.2	313	537	200	290	45	45	81
200	16	10725885A	340	230	749	459	115	295	12 x 23	20	F10	SA 10.2	313	537	200	290	45	45	81
250	10	10725890A	400	250	861	545	200	350	12 x 23	22	F14	SA 14.2	377	725	315	316	22	114	136
250	16	10725895A	400	250	861	545	200	355	12 x 28	22	F14	SA 14.2	377	725	315	316	22	114	136
300	10	10725900A	455	270	936	620	228	400	12 x 23	24.5	F14	SA 14.2	377	725	315	316	22	137	166
300	16	10725905A	455	270	936	620	228	410	12 x 28	24.5	F14	SA 14.2	377	725	315	316	22	137	169
350	10	10725910A	505	290	1191	875	253	460	16 x 23	24.5	F14	SA 14.6	377	728	400	316	22	183	283
350	16	10725915A	520	290	1191	875	260	470	16 x 28	26.5	F14	SA 14.6	377	728	400	316	22	183	287
400	10	10725920A	565	310	1191	875	283	515	16 x 28	24.5	F14	SA 14.6	377	728	400	316	22	183	301
400	16	10725925A	580	310	1191	875	290	525	16 x 31	28	F14	SA 14.6	377	728	400	316	22	183	307
450	10	10725930A	615	330	1371	1055	308	565	20 x 28	25.5	F14	SA 14.6	377	728	400	316	22	171	451
450	16	10725935A	640	330	1371	1055	320	585	20 x 31	30	F14	SA 14.6	377	728	400	316	22	171	459
500	10	10725940A	670	350	1371	1055	335	620	20 x 28	26.5	F14	SA 14.6	377	728	400	316	22	171	475
500	16	10725945A	715	350	1371	1055	358	650	20 x 34	31.5	F14	SA 14.6	377	728	400	316	22	171	492

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

FLANGED SOFT SEALING GATE VALVE S14 3000

with pneumatic cylinder

DN 50 - 300 PN10/16

11.103



Product description

- Flanged soft sealing gate valve series 3000 with pneumatic cylinder actuator for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water
- Full bore
- Shaft sealing system with 3 O-rings in NBR
- Wedge fully vulcanized in NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Double acting pneumatic actuator with position sensing for open/close operation approved by ATEX.



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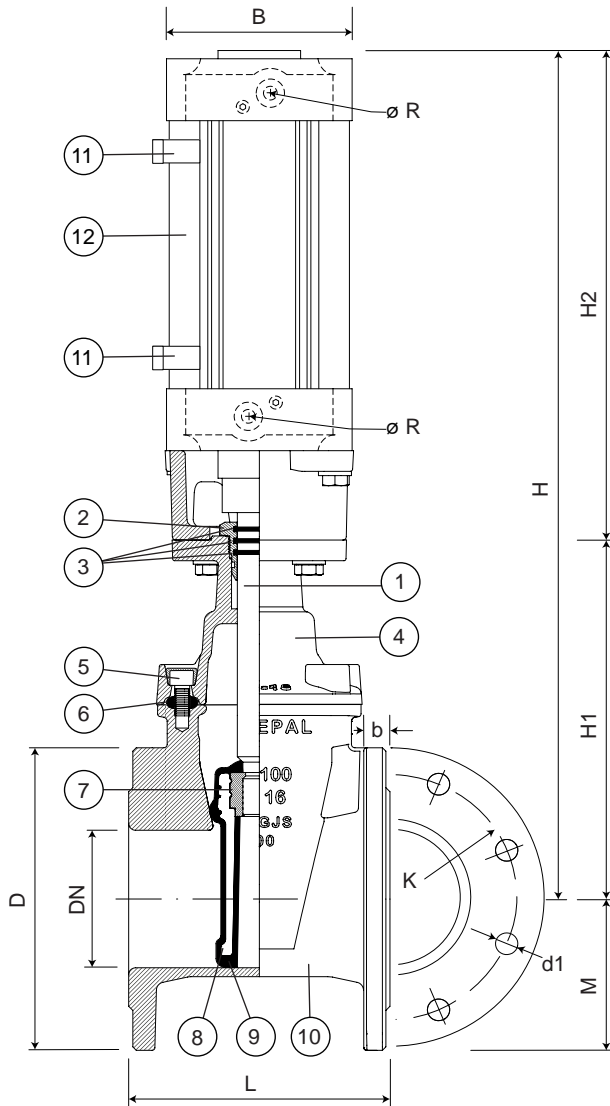
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FLANGED SOFT SEALING GATE VALVE S14 3000

with pneumatic cylinder

DN 50 - 300 PN10/16

11.103



Component list

pos.	components	material	standard
1	Shaft	Stainless steel AISI 316L	EN 10088 - 1
2	Stem washer	Brass	EN 12164
3	O-rings	Elastomer NBR	EN 681 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer NBR	EN 681 - 1
7	Wedge nut	Brass	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer NBR	EN 681 - 1
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Open-close limit switching (option)	-	-
12	Pneumatic cylinder	Aluminium and stainless steel	-

Reference and dimensions

DN	PN	code	D	L	H	M	H1	H2	K	n° x d1	b	B	ø R	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10738202	150	140	283	75	208	75	110	4 x 19	19	100	G 1/2"	15
50	10/16	10738207	165	150	283	83	208	75	125	4 x 19	19	100	G 1/2"	17
60	10/16	10738212	175	170	307	88	217	90	135	4 x 19	19	100	G 1/2"	19
65	10/16	10738217	185	170	307	93	217	90	145	4 x 19	19	100	G 1/2"	20
80	10/16	10738222	200	180	362	100	257	105	160	8 x 19	19	125	G 3/4"	28
100	10/16	10738227	220	190	411	110	286	125	180	8 x 19	19	125	G 3/4"	32
125	10/16	10738232	250	200	473	125	323	150	210	8 x 19	19	160	G 3/4"	44
150	10/16	10738237	285	210	559	143	384	175	240	8 x 23	19	160	G 3/4"	52
200	10	10738242	340	230	684	170	459	225	295	8 x 23	20	200	G 3/4"	80
200	16	10738247	340	230	684	170	459	225	295	12 x 23	20	200	G 3/4"	80
250	10	10738252	400	250	820	200	545	275	350	12 x 23	22	200	G 1"	117
250	16	10738257	400	250	820	200	545	275	355	12 x 28	22	200	G 1"	117
300	10	10738262	455	270	945	228	620	325	400	12 x 23	24.5	200	G 1"	170
300	16	10738267	455	270	945	228	620	325	410	12 x 28	24.5	200	G 1"	170



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Product description

- Flanged soft sealing gate valve S14 series NEXUS for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve approved for waste water
- Full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in NBR
- Wedge fully vulcanized with NBR
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].



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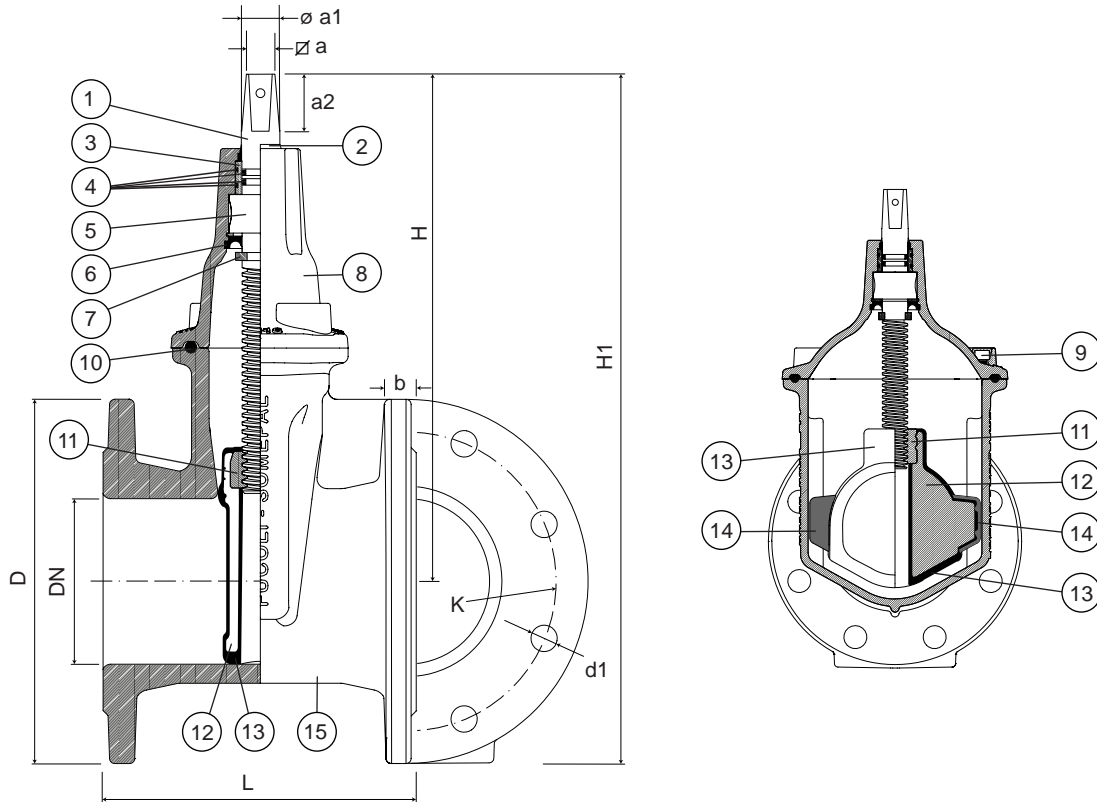
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FLANGED SOFT SEALING GATE VALVE S14 3000

DN 50 - 300 PN10/16

11.110



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3	Bearing	POM	-
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Joint	Elastomer NBR	EN 681 - 1
7	Wedge stop	Stainless steel AISI 316L	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer NBR	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer NBR	EN 681 - 1
14	Wedge guide	Polyamide	-
15	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	min	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10739010	165	150	214	297	125	4 x 19	19	14.1	18	29	13	10
60*	10/16	10729015FL	185	170	252	345	135	4 x 19	19	17.1	22	34	14	12
65	10/16	10739015	185	170	252	345	145	4 x 19	19	17.1	22	34	14	12
80	10/16	10739020	200	180	277	377	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10739025	220	190	306	416	180	8 x 19	19	19.1	23	38	20	17
125	10/16	10739030	250	200	342	467	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10739035	285	210	400	542	240	8 x 23	19	19.1	26	38	30	31
200	10	10739040	340	230	471	641	295	8 x 23	20	24.1	28	38	40	47
200	16	10739045	340	230	471	641	295	12 x 23	20	24.1	28	38	40	47
250	10	10739050	400	250	601	801	350	12 x 23	22	27.1	32	47	42	72
250	16	10739055	400	250	601	801	355	12 x 28	22	27.1	32	47	42	72
300	10	10739060	455	270	682	910	400	12 x 23	24.5	27.1	32	47	50	98
300	16	10739065	455	270	682	910	410	12 x 28	24.5	27.1	32	47	50	98

* DN65 valve with DN60 flange drilling



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Product description

- Flanged soft sealing gate valve series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve approved for waste water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].



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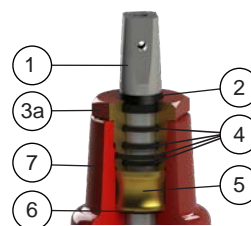
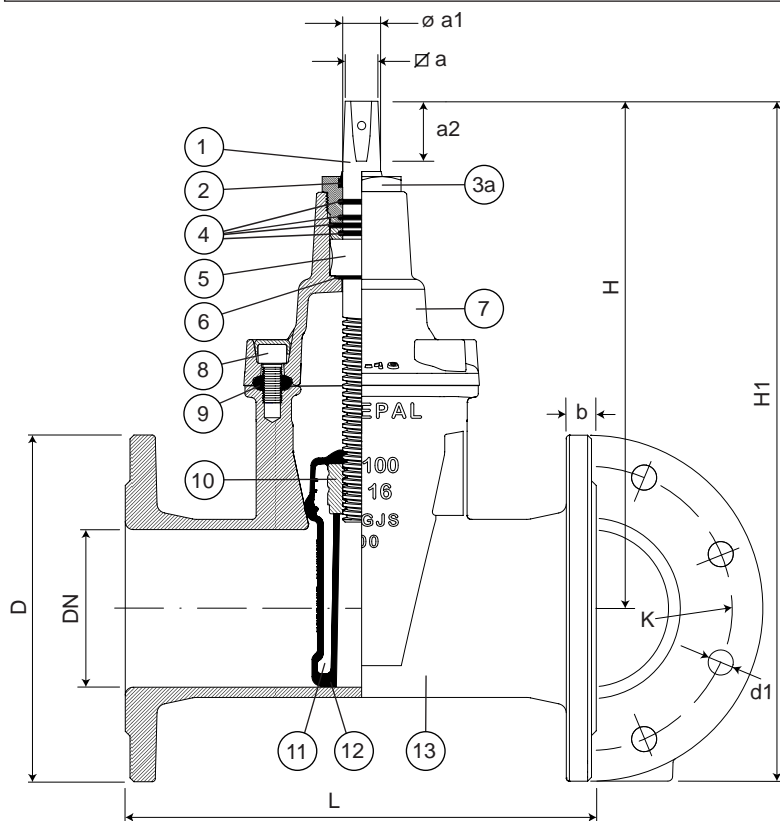
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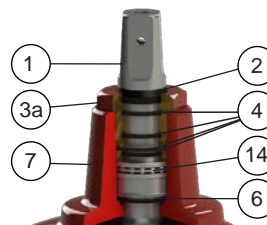
FLANGED SOFT SEALING GATE VALVE S15 3000

DN 40 - 600 PN10/16

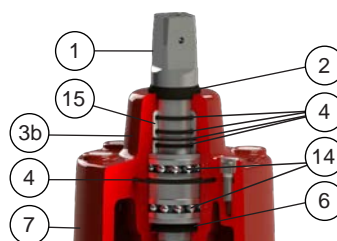
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DN 40 up to DN 200



DN 250 up to DN 300



DN 350 up to DN 600

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10714001	150	240	203	278	110	4 x 19	19	14.1	20	29	10	8
50	10/16	10714011	165	250	235	318	125	4 x 19	19	14.1	20	29	13	10
60	10/16	10714021	175	270	250	338	135	4 x 19	19	17.1	22	34	13	12
65	10/16	10714031	185	270	250	343	145	4 x 19	19	17.1	22	34	13	12
80	10/16	10714041	200	280	290	390	160	8 x 19	19	17.1	22	34	16	17
100	10/16	10714051	220	300	325	435	180	8 x 19	19	19.1	24	38	20	20
125	10/16	10714061	250	325	362	487	210	8 x 19	19	19.1	26	38	25	24
150	10/16	10714071	285	350	425	568	240	8 x 23	19	19.1	28	38	30	35
200	10	10714081	340	400	505	675	295	8 x 23	20	24.1	32	42	34	50
200	16	10714088	340	400	505	675	295	12 x 23	20	24.1	32	42	34	50
250	10	10714091	400	450	595	795	350	12 x 23	22	27.1	36	47	42	72
250	16	10714098	400	450	595	795	355	12 x 28	22	27.1	36	47	42	72
300	10	10714101	455	500	670	898	400	12 x 23	24.5	27.1	36	47	50	105
300	16	10714108	455	500	670	898	410	12 x 28	24.5	27.1	36	47	50	105
350	10	10714111	505	550	940	1193	460	16 x 23	24.5	32.1	45	55	67	226

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

FLANGED SOFT SEALING GATE VALVE S15 3000 DN 40 - 600 PN10/16

11.201



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	∅a mm	∅ a1 mm	a2 mm	turns to open	Kg approx.
350	16	10714118	520	550	940	1200	470	16 x 28	26.5	32.1	45	55	67	227
400	10	10714121	565	600	940	1223	515	16 x 28	24.5	32.1	45	55	67	251
400	16	10714128	580	600	940	1230	525	16 x 31	28	32.1	45	55	67	261
450	10	10714131	615	650	1120	1428	565	20 x 28	25.5	32.1	50	55	71	397
450	16	10714138	640	650	1120	1440	585	20 x 31	30	32.1	50	55	71	415
500	10	10714141	670	700	1120	1455	620	20 x 28	26.5	32.1	50	55	71	427
500	16	10714148	715	700	1120	1478	650	20 x 34	31.5	32.1	50	55	71	428
600	10	10714151	840	800	1290	1710	725	20 x 31	30	41.1	60	74	86	639
600	16	10714158	840	800	1290	1710	770	20 x 37	36	41.1	60	74	86	689



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prepared for electric actuator

DN 40 - 600 PN10/16

**Product description**

- Flanged soft sealing gate valve with ISO top flange prepared for electrical actuator series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 15
- ISO top flange according to ISO 5210

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- ISO top flange according ISO 5210 for electric actuator or manual gearbox assembling
- Accessories: electric actuator or bevel gearbox.



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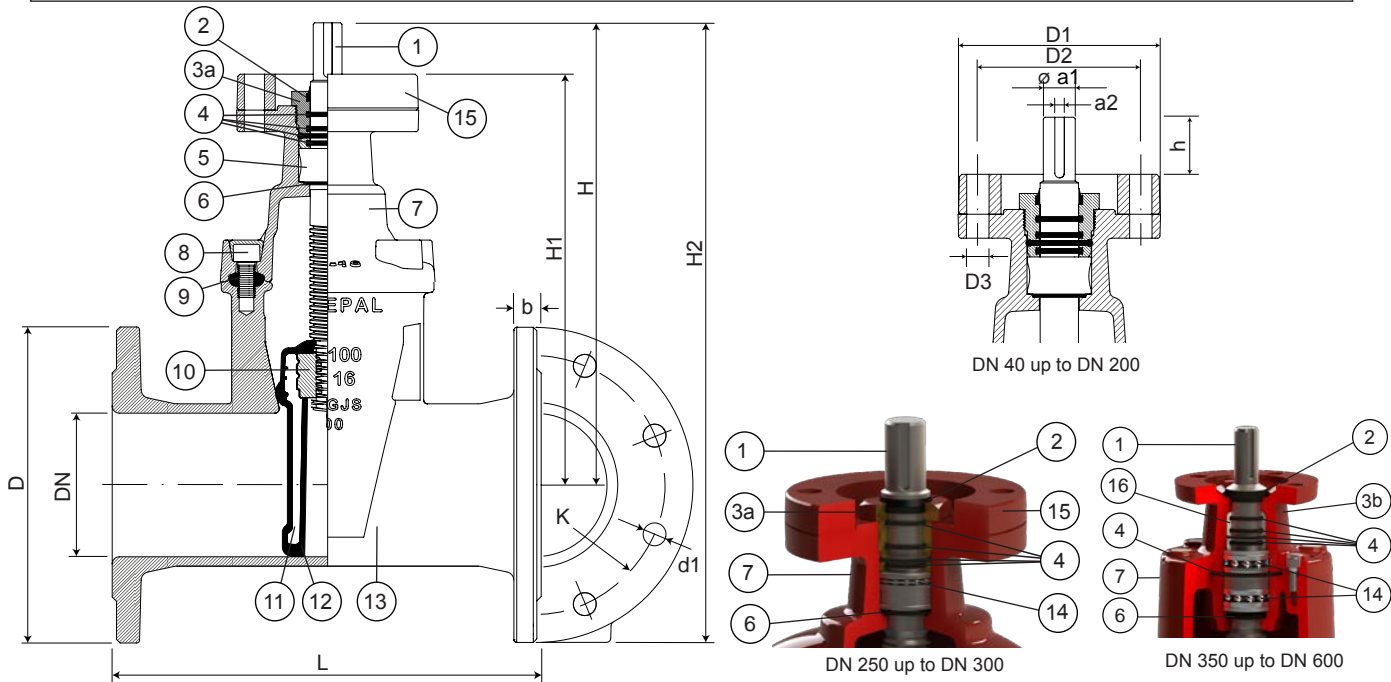
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FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S15 3000

prepared for electric actuator

DN 40 - 600 PN10/16

11.202



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	

Reference and dimensions

DN	PN	code	D	L	H	H1	H2	K	n° x d1	b	ISO 5210 flange	D1	D2	n° x D3	ø a1	a2	h	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm		
40	10/16	10738500	150	240	207	177	282	110	4 x 19	19	F10	125	102	4 x 12	20	6	30	10	11
50	10/16	10738510	165	250	238	208	321	125	4 x 19	19	F10	125	102	4 x 12	20	6	30	13	13
60	10/16	10738520	175	270	250	217	338	135	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	15
65	10/16	10738530	185	270	250	217	343	145	4 x 19	19	F10	125	102	4 x 12	20	6	33	13	15
80	10/16	10738540	200	280	286	253	386	160	8 x 19	19	F10	125	102	4 x 12	20	6	33	16	20
100	10/16	10738550	220	300	325	286	435	180	8 x 19	19	F10	125	102	4 x 12	20	6	39	20	24
125	10/16	10738560	250	325	362	323	487	210	8 x 19	19	F10	125	102	4 x 12	20	6	39	25	30
150	10/16	10738570	285	350	425	384	568	240	8 x 23	19	F10	125	102	4 x 12	20	6	41	30	44
200	10	10738580	340	400	505	459	683	295	8 x 23	20	F10	125	102	4 x 12	20	6	46	34	59
200	16	10738585	340	400	505	459	683	295	12 x 23	20	F10	125	102	4 x 12	20	6	46	34	59
250	10	10738590	400	450	595	545	805	350	12 x 23	22	F14	175	140	4 x 18	30	8	50	42	98
250	16	10738595	400	450	595	545	805	355	12 x 28	22	F14	175	140	4 x 18	30	8	50	42	98
300	10	10738600	455	500	670	620	898	400	12 x 23	24.5	F14	175	140	4 x 18	30	8	50	50	137
300	16	10738605	455	500	670	620	898	410	12 x 28	24.5	F14	175	140	4 x 18	30	8	50	50	137
350	10	10738610	505	550	940	875	1193	460	16 x 23	24.5	F14	175	140	4 x 18	30	8	65	67	257
350	16	10738615	520	550	940	875	1200	470	16 x 28	26.5	F14	175	140	4 x 18	30	8	65	67	261
400	10	10738620	565	600	940	875	1223	515	16 x 28	24.5	F14	175	140	4 x 18	30	8	65	67	280
400	16	10738625	580	600	940	875	1230	525	16 x 31	28	F14	175	140	4 x 18	30	8	65	67	283
450	10	10738630	615	650	1120	1055	1428	565	20 x 28	25.5	F14	175	140	4 x 18	30	8	65	71	451
450	16	10738635	640	650	1120	1055	1440	585	20 x 31	30	F14	175	140	4 x 18	30	8	65	71	468

Electric actuator with RPMs other than those mentioned, on request. For more information on the electric actuator consult the manufacturer's technical documentation.

FLANGED SOFT SEALING GATE VALVE ISO TOP FLANGE S15 3000
prepared for electric actuator
 DN 40 - 600 PN10/16

11.202



continued from previous page

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	ISO 5210 flange	D1 mm	D2 mm	n° x D3 mm	ø a1 mm	a2 mm	h mm	turns to open	Kg approx.
500	10	10738640	670	700	1120	1055	1455	620	20 x 28	26.5	F14	175	140	4 x 18	30	8	65	71	485
500	16	10738645	715	700	1120	1055	1478	650	20 x 34	31.5	F14	175	140	4 x 18	30	8	65	71	502
600	10	10738650	780	800	1370	1290	1680	725	20 x 31	30	F16	210	165	4 x 22	40	12	80	86	643
600	16	10738655	840	800	1370	1290	1710	770	20 x 37	36	F16	210	165	4 x 22	40	12	80	86	693



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FLANGED SOFT SEALING GATE VALVE S15 3000
with **AUMA electric actuator**
DN 40 - 600 PN10/16

11.202A



Product description

- Flanged soft sealing gate valve series 3000 with AUMA electric actuator for waste water
- Face-to-face length – S15
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 15
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water with full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR, exchangeable under pressure
- Wedge fully vulcanized with NBR
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of actuator Auma Norm single phrase, Auma Matic, Aumatic or others.



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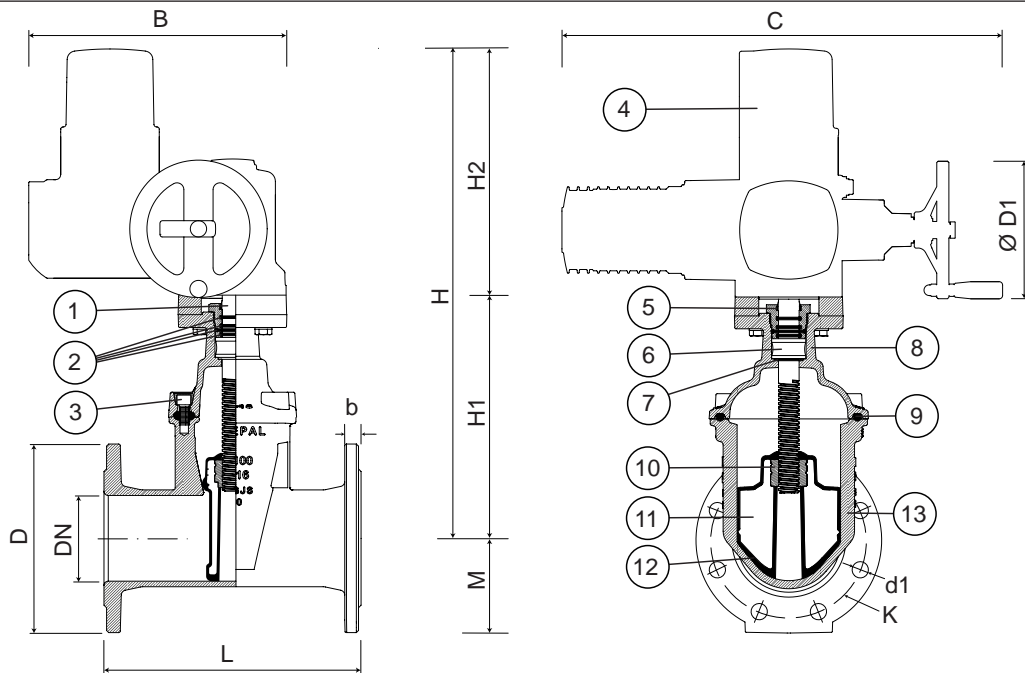
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FLANGED SOFT SEALING GATE VALVE S15 3000

with **AUMA** electric actuator

DN 40 - 600 PN10/16

11.202A



Component list

pos.	components	material	standard
1	Stem	Stainless stell AISI 316L	EN 10088 - 1
2	O-rings	Elastomer NBR	EN 681 - 1
3	Bolts	Stainless stell A2	EN 10088 - 1
4	AUMA electric actuator		
5	Clearing joint	Elastomer	
6	Stem washer	Brass	EN 12164
7	O-rings	Elastomer NBR	EN 681 - 1

pos.	components	material	standard
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bonnet gasket	Elastomer EPDM	EN 681 - 1
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer EPDM	EN 681 - 1
13	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA actuator	B	C	Ø D1	H2	RPM actuator	closed time s.	Kg approx.
40	10/16	10714000A	150	240	496	208	75	110	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	36
50	10/16	10714005A	165	250	496	208	83	125	4 x 19	19	F10	SA 07.6	300	514	160	288	45	17	38
60	10/16	10714010A	175	270	505	217	88	135	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	40
65	10/16	10714015A	185	270	505	217	93	145	4 x 19	19	F10	SA 07.6	300	514	160	288	45	18	40
80	10/16	10714020A	200	280	545	257	100	160	8 x 19	19	F10	SA 07.6	300	514	160	288	45	22	45
100	10/16	10714025A	220	300	576	286	110	180	8 x 19	19	F10	SA 10.2	313	537	200	290	45	27	52
125	10/16	10714030A	250	325	613	323	125	210	8 x 19	19	F10	SA 10.2	313	537	200	290	45	34	58
150	10/16	10714035A	285	350	674	384	143	240	8 x 23	19	F10	SA 10.2	313	537	200	290	45	40	72
200	10	10714040A	340	400	749	459	115	295	8 x 23	20	F10	SA 10.2	313	537	200	290	45	45	87
200	16	10714045A	340	400	749	459	115	295	12 x 23	20	F10	SA 10.2	313	537	200	290	45	45	87
250	10	10714050A	400	450	861	545	200	350	12 x 23	22	F14	SA 14.2	377	725	315	316	22	114	157
250	16	10714055A	400	450	861	545	200	355	12 x 28	22	F14	SA 14.2	377	725	315	316	22	114	157
300	10	10714060A	455	500	936	620	228	400	12 x 23	24.5	F14	SA 14.2	377	725	315	316	22	137	196
300	16	10714065A	455	500	936	620	228	410	12 x 28	24.5	F14	SA 14.2	377	725	315	316	22	137	196
350	10	10714070A	505	550	1191	875	253	460	16 x 23	24.5	F14	SA 14.6	377	728	400	316	22	183	320
350	16	10714075A	520	550	1191	875	260	470	16 x 28	26.5	F14	SA 14.6	377	728	400	316	22	183	324
400	10	10714080A	565	600	1191	875	283	515	16 x 28	24.5	F14	SA 14.6	377	728	400	316	22	183	343
400	16	10714085A	580	600	1191	875	290	525	16 x 31	28	F14	SA 14.6	377	728	400	316	22	183	346
450	10	10714090A	615	650	1371	1055	308	565	20 x 28	25.5	F14	SA 14.6	377	728	400	316	22	171	514
450	16	10714095A	640	650	1371	1055	320	585	20 x 31	30	F14	SA 14.6	377	728	400	316	22	171	531
500	10	10714100A	670	700	1371	1055	335	620	20 x 28	26.5	F14	SA 14.6	377	728	400	316	22	171	548

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FLANGED SOFT SEALING GATE VALVE S15 3000
with AUMA electric actuator
 DN 40 - 600 PN10/16

11.202A



continued from previous page

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA actuator	B	C	Ø D1	H2	RPM actuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm			
500	16	10714105A	715	700	1371	1055	358	650	20 x 34	31.5	F14	SA 14.6	377	728	400	316	22	171	565
600	10	10714110A	780	800	1550	1210	390	725	20 x 31	30	F16	SA 16.2	422	795	500	340	22	205	710
600	16	10714115A	840	800	1550	1210	420	770	20 x 37	36	F16	SA 16.2	422	795	500	340	22	205	760

Electric actuator with RPMs other than those mentioned, on request.
 For more information on the electric actuator consult the manufacturer's technical documentation.



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FLANGED SOFT SEALING GATE VALVE S15 3000

with pneumatic cylinder

DN 50 - 300 PN10/16

11.203



Product description

- Flanged soft sealing gate valve series 3000 with pneumatic cylinder actuator for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water
- Full bore
- Shaft sealing system with 3 O-rings in NBR
- Wedge fully vulcanized in NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Double acting pneumatic actuator with position sensing for open/close operation approved by ATEX.

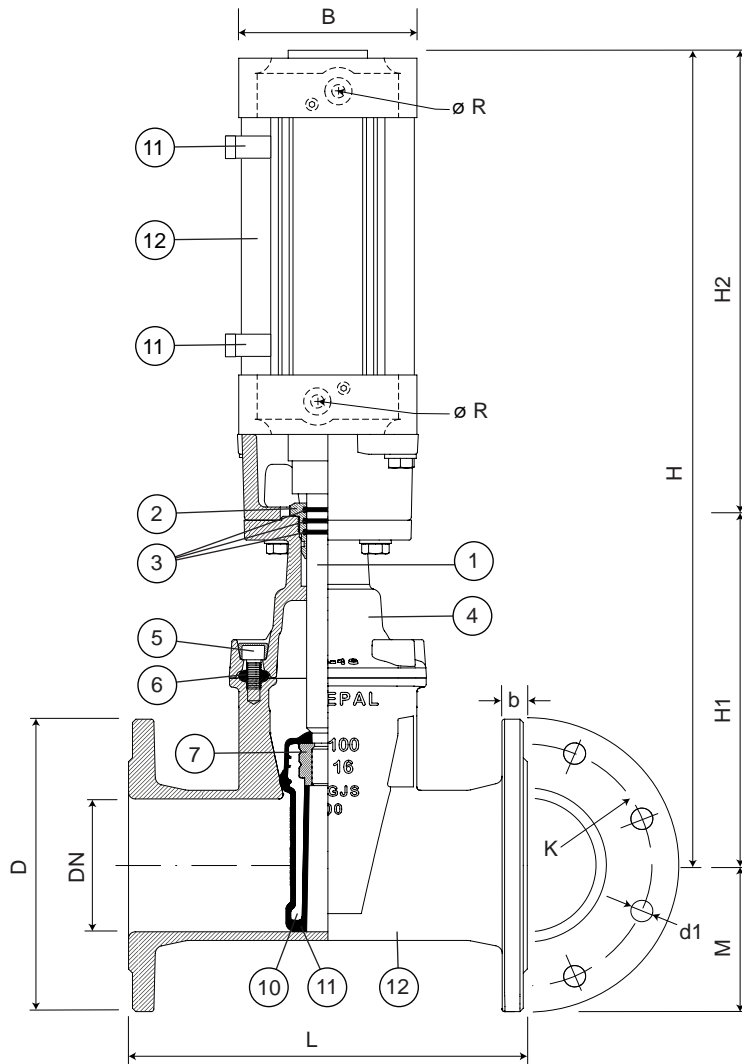


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Component list

pos.	components	material	standard
1	Shaft	Stainless steel AISI 316L	EN 10088 - 1
2	Stem washer	Brass	EN 12164
3	O-rings	Elastomer NBR	EN 681 - 1
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bolts	Stainless steel A2	EN 10088 - 1
6	Bonnet gasket	Elastomer NBR	EN 681 - 1
7	Wedge nut	Brass	EN 12164
8	Wedge	Ductile iron EN-GJS-500-7	EN 1563
9	Wedge covering	Elastomer NBR	EN 681 - 1
10	Body	Ductile iron EN-GJS-500-7	EN 1563
11	Open-close limit switching (option)	-	-
12	Pneumatic cylinder	Aluminium and stainless steel	-

Reference and dimensions

DN	PN	code	D	L	H	M	H1	H2	K	n° x d1	b	B	ø R	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10738302	150	240	283	75	208	75	110	4 x 19	19	100	G 1/2"	16
50	10/16	10738307	165	250	283	83	208	75	125	4 x 19	19	100	G 1/2"	18
60	10/16	10738312	175	270	307	88	217	90	135	4 x 19	19	100	G 1/2"	20
65	10/16	10738317	185	270	307	93	217	90	145	4 x 19	19	100	G 1/2"	20
80	10/16	10738322	200	280	362	100	257	105	160	8 x 19	19	125	G 3/4"	25
100	10/16	10738327	220	300	411	110	286	125	180	8 x 19	19	125	G 3/4"	33
125	10/16	10738332	250	325	473	125	323	150	210	8 x 19	19	160	G 3/4"	46
150	10/16	10738337	285	350	559	143	384	175	240	8 x 23	19	160	G 3/4"	60
200	10	10738342	340	400	684	170	459	225	295	8 x 23	20	200	G 3/4"	86
200	16	10738347	340	400	684	170	459	225	295	12 x 23	20	200	G 3/4"	86
250	10	10738352	400	450	820	200	545	275	350	12 x 23	22	200	G 1"	138
250	16	10738357	400	450	820	200	545	275	355	12 x 28	22	200	G 1"	138
300	10	10738362	455	500	945	228	620	325	400	12 x 23	24.5	200	G 1"	200
300	16	10738367	455	500	945	228	620	325	410	12 x 28	24.5	200	G 1"	200





Product description

- Flanged soft sealing gate valve S15 series NEXUS for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve approved for waste water
- Full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in NBR
- Wedge fully vulcanized with NBR
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].



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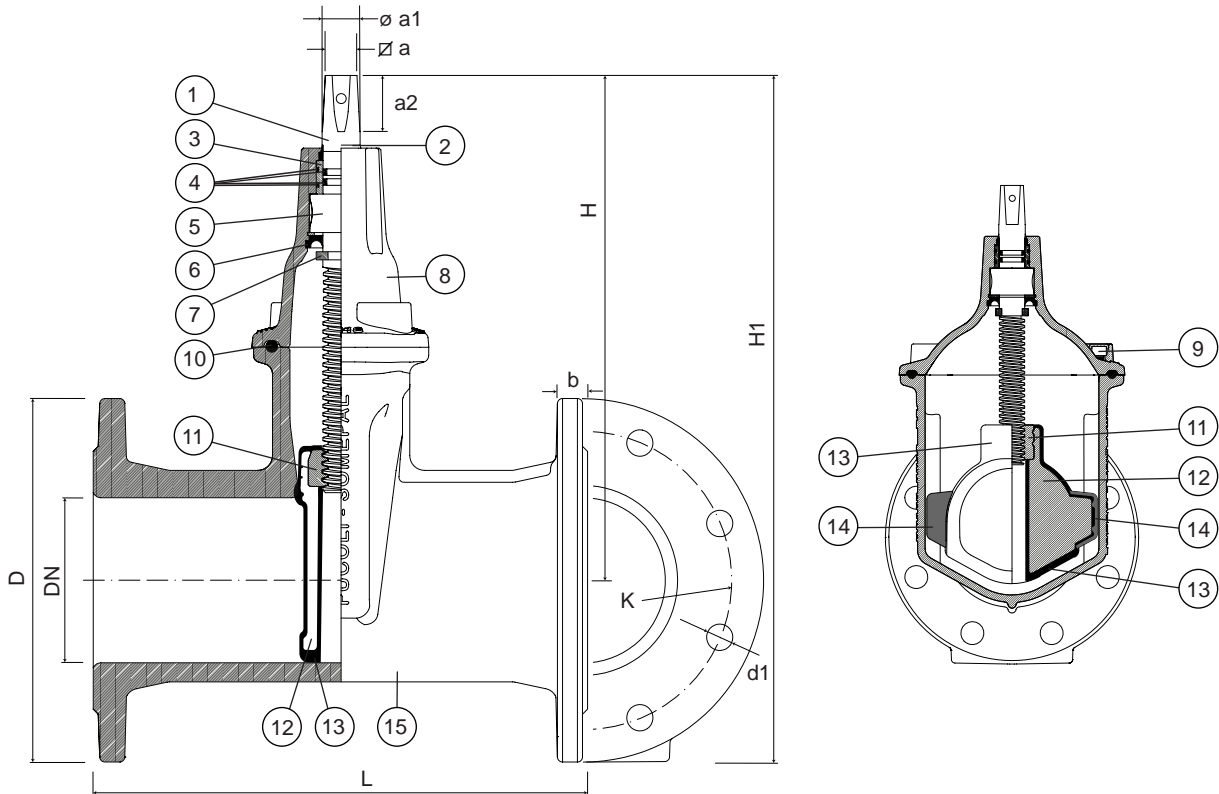
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FLANGED SOFT SEALING GATE VALVE S15 3000

DN 50 - 300 PN10/16

11.210



Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3	Bearing	POM	-
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	Joint	Elastomer NBR	EN 681 - 1
7	Wedge stop	Stainless steel AISI 316L	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Bonnet gasket	Elastomer NBR	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer NBR	EN 681 - 1
14	Wedge guide	Polyamide	-
15	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	min	mm	mm	mm	mm	mm	mm	mm	mm		
50	10/16	10739310	165	250	214	297	125	4 x 19	19	14.1	18	29	13	10
60*	10/16	10739315FL	185	270	252	345	135	4 x 19	19	17.1	22	34	14	13
65	10/16	10739315	185	270	252	345	145	4 x 19	19	17.1	22	34	14	13
80	10/16	10739320	200	280	277	377	160	8 x 19	19	17.1	22	34	16	14
100	10/16	10739325	220	300	306	416	180	8 x 19	19	19.1	23	38	20	19
125	10/16	10739330	250	325	342	467	210	8 x 19	19	19.1	23	38	25	22
150	10/16	10739335	285	350	400	542	240	8 x 23	19	19.1	26	38	30	35
200	10	10739340	340	400	471	641	295	8 x 23	20	24.1	28	38	40	52
200	16	10739345	340	400	471	641	295	12 x 23	20	24.1	28	38	40	52
250	10	10739350	400	450	601	801	350	12 x 23	22	27.1	32	47	42	78
250	16	10739355	400	450	601	801	355	12 x 28	22	27.1	32	47	42	78
300	10	10739360	455	500	682	910	400	12 x 23	24.5	27.1	32	47	50	-
300	16	10739365	455	500	682	910	410	12 x 28	24.5	27.1	32	47	50	-

* DN65 valve with DN60 flange drilling



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100% MADE IN EUROPE

for uPVC pipes

DN 40 - 400 PN16

**Product description**

- Soft sealing gate valve with socket ends for uPVC pipes series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- For PVC pipes according to EN ISO 1452-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve approved for waste water
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, DN 400 is equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with "soft stop" system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with "monorail" system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Suitable for PVC pipe
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].

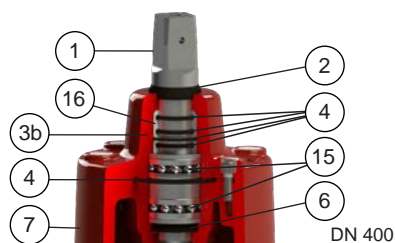
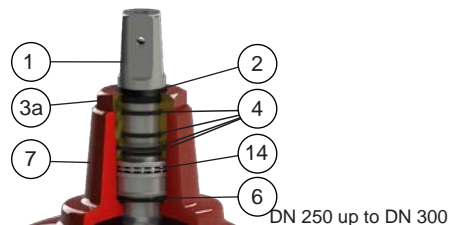
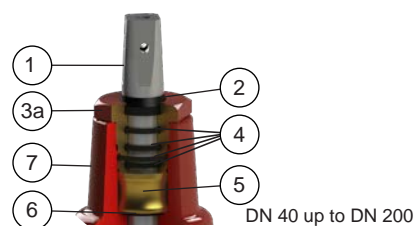
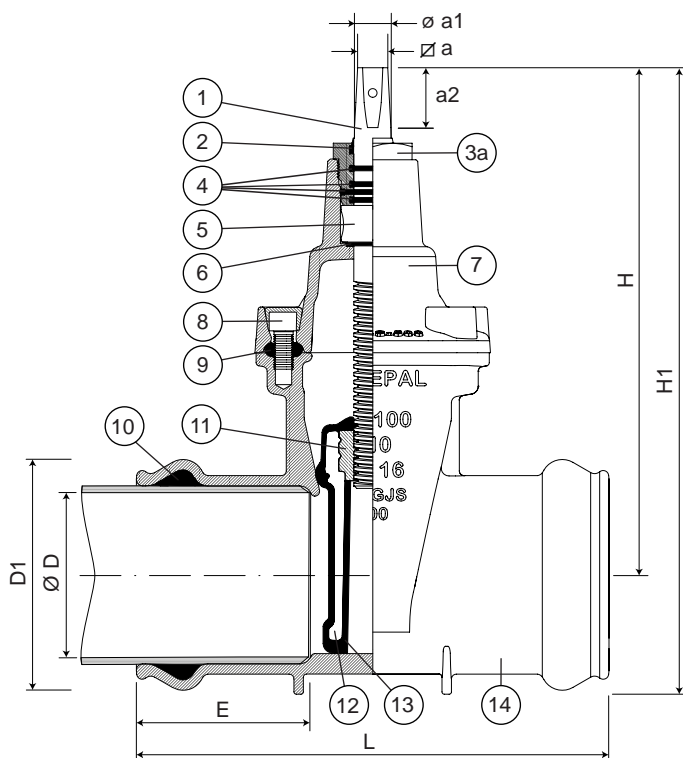


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1
10	Lip seal ring	Elastomer NBR	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer NBR	EN 681 - 1
14	Body	Ductile iron EN-GJS-500-7	EN 1563
15	Bearing	Steel	ISO 20516
16	Gland bush	POM	-

Reference and dimensions

DN	$\varnothing D$ ext. PVC	code	D1 mm	L mm	E min	H mm	H1 mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
40	50	10723994	74	220	76	234	274	14.1	20	29	13	7
50	63	10724004	93	250	91	235	285	14.1	20	29	13	7
65	75	10724014	106	270	99	250	305	17.1	22	34	13	9
80	90	10724024	124	280	102	290	355	17.1	22	34	20	13
100	110	10724034	147	300	111	325	400	19.1	24	38	20	16
125	125	10724044	161	325	117	362	445	19.1	26	38	25	19
125	140	10724054	178	325	117	362	455	19.1	26	38	25	20
150	160	10724064	201	350	117	425	530	19.1	28	38	30	30
200	200	10724074	245	400	137	505	630	24.1	32	42	34	44
200	225	10724079	271	400	135	505	643	24.1	32	42	38	47
250	250	10724084	302	450	150	595	750	27.1	36	47	42	65
300	315	10724094	372	490	166	670	860	27.1	36	47	50	98
400	400	10724114	464	640	195	940	1180	32.1	45	55	67	235



SWING CHECK VALVE SUPRA
metal seated with lever and counterweight
DN 50 - 600 PN10/16

11.401



Product description

- Swing check valve metal seated with lever and counterweight series SUPRA for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Possibility of installing the lever to the left or right of the valve, making it easy to apply to walls or other obstacles
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the pipeline by loosening the screws of the bonnet can remove entire sealing system
- Reliability and stability of the sealing system, designed with double arm support on the shaft and obturator design that allows to fit to the valve body seal
- Valve body supplied as standard with bronze seat
- Obturator in stainless steel AISI 316L
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility of by-pass and plug application to check and clean.



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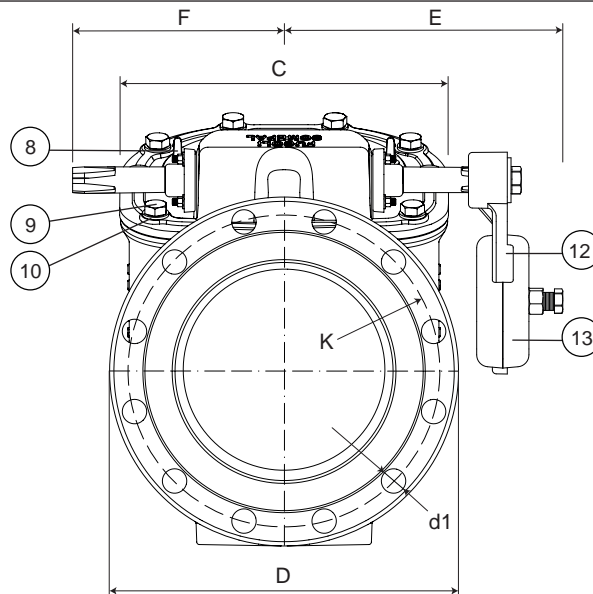
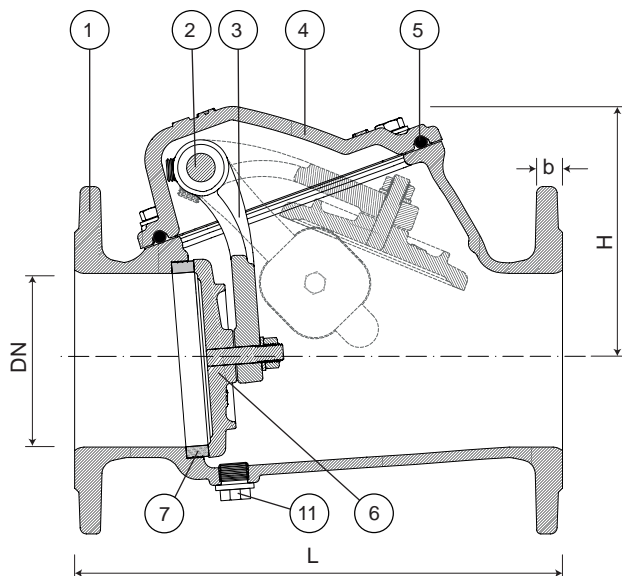
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SWING CHECK VALVE SUPRA
metal seated with lever and counterweight
 DN 50 - 600 PN10/16

11.401



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer NBR	EN 681 - 1
6	Obturator	Stainless Steel AISI 316L	EN 10088 - 1
7	Seat	Stainless Steel AISI 316L	EN 10088 - 1

pos.	components	material	standard
8	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
9	Bolts	Stainless steel A2	EN 10088 - 1
10	Washers	Stainless steel A2	EN 10088 - 1
11	Plug (option)	Stainless steel A4	EN 10088 - 1
12	Lever	Ductile iron EN-GJS-500-7	EN 1563
13	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	E mm	F mm	K mm	n° x d1 mm	b mm	Kg approx.
50	10/16	10797010	165	200	108	110	138	104	125	4 x 19	19	11
60	10/16	10797020	175	240	119	123	148	115	135	4 x 19	19	13
65	10/16	10797030	185	240	119	123	148	115	145	4 x 19	19	13
80	10/16	10797040	200	260	137	140	166	122	160	8 x 19	19	16
100	10/16	10797050	220	300	157	168	175	135	180	8 x 19	19	22
125	10/16	10797060	250	350	186	215	205	155	210	8 x 19	19	33
150	10/16	10797070	285	400	210	242	220	170	240	8 x 23	19	46
200	10	10797080	340	500	242	295	250	200	295	8 x 23	20	69
200	16	10797085	340	500	242	295	250	200	295	12 x 23	20	69
250	10	10797090	400	600	296	377	287	232	350	12 x 23	22	98
250	16	10797095	400	600	296	377	287	232	355	12 x 28	22	98
300	10	10797100	455	700	325	427	310	260	400	12 x 23	24.5	138
300	16	10797105	455	700	325	427	310	260	410	12 x 28	24.5	140
350	10	10797110	505	800	400	480	340	280	460	16 x 23	24.5	151
350	16	10797115	520	800	400	480	340	280	470	16 x 28	26.5	158
400	10	10797120	565	900	435	531	387	330	515	16 x 28	24.5	286
400	16	10797125	580	900	435	531	387	330	525	16 x 31	28	291
450	10	10797130	615	1000	460	585	394	337	565	20 x 28	25.5	391
450	16	10797135	640	1000	460	585	394	337	585	20 x 31	30	406
500	10	10797140	670	1100	485	640	422	365	620	20 x 28	26.5	420
500	16	10797145	715	1100	485	640	422	365	650	20 x 34	31.5	445
600	10	10797150	780	1300	585	750	477	420	725	20 x 31	30	620
600	16	10797155	840	1300	585	750	477	420	770	20 x 37	36	670



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100% MADE IN EUROPE

SWING CHECK VALVE SOFT
resilient seated with lever and counterweight
DN 50 - 300 PN10/16

11.411



Product description

- Swing check valve resilient seated with lever and counterweight series SOFT for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074-3:

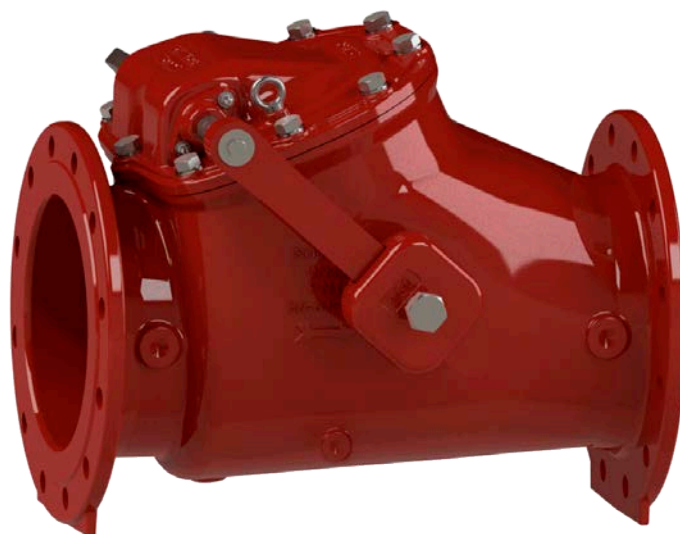
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Compact design requires little space for assembly
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Possibility of installing the lever to the left or right of the valve, making it easy to apply to walls or other obstacles
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve
- Easy to maintain, if necessary, components may be replaceable. Disassembly can be accomplished without withdrawing the valve from the conduct by unfolding the cap bolts in order to remove the sealing system
- Reliability and stability of the sealing system, designed with double arm resting on the shaft and obturator with POM spacer that allows to fit the valve body seal
- Obturator fully vulcanized in NBR
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- On request possibility of by-pass and plug application to check and clean.



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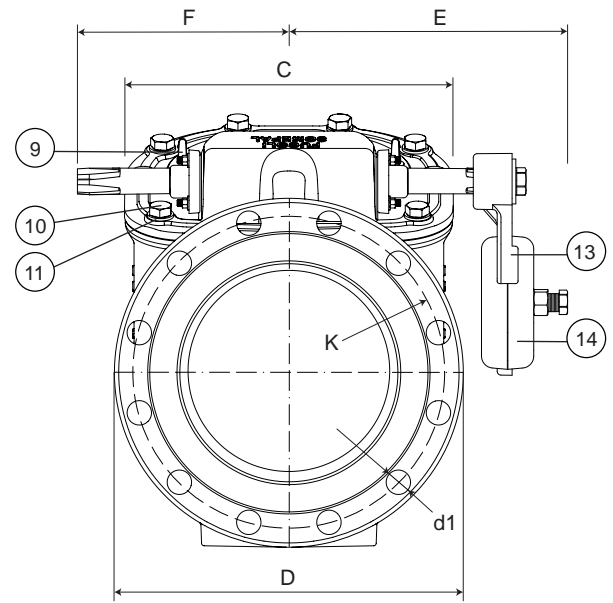
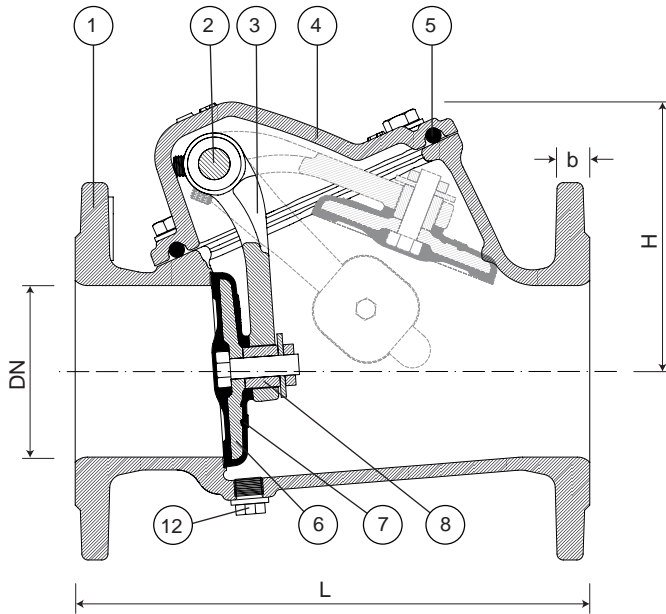
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SWING CHECK VALVE SOFT
resilient seated with lever and counterweight
 DN 50 - 300 PN10/16

11.411



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Arm	Ductile iron EN-GJS-500-7	EN 1563
4	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
5	Bonnet gasket	Elastomer NBR	EN 681 - 1
6	Obturator	Ductile iron EN-GJS-500-7	EN 1563
7	Obturator covering	Elastomer NBR	EN 681 - 1

pos.	components	material	standard
8	Spacer	POM	
9	Lifting eyes (from DN 200)	Stainless steel A2	EN 10088 - 1
10	Bolts	Stainless steel A2	EN 10088 - 1
11	Washers	Stainless steel A2	EN 10088 - 1
12	Plug (option)	Stainless steel A4	EN 10088 - 1
13	Lever	Ductile iron EN-GJS-500-7	EN 1563
14	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	C mm	K mm	n° x d1 mm	b mm	Kg approx.
50	10/16	10797210	165	200	108	110	125	4 x 19	19	10
60	10/16	10797215	175	240	119	123	135	4 x 19	19	12
65	10/16	10797220	185	240	119	123	145	4 x 19	19	12
80	10/16	10797225	200	260	137	140	160	8 x 19	19	16
100	10/16	10797230	220	300	157	168	180	8 x 19	19	22
125	10/16	10797235	250	350	185	215	210	8 x 19	19	33
150	10/16	10797240	285	400	210	242	240	8 x 23	19	45
200	10	10797245	340	500	242	295	295	8 x 23	20	69
200	16	10797250	340	500	242	295	295	12 x 23	20	69
250	10	10797255	400	600	296	377	350	12 x 23	22	98
250	16	10797260	400	600	296	377	355	12 x 28	22	97
300	10	10797265	455	700	325	427	400	12 x 23	25	139
300	16	10797270	455	700	325	427	410	12 x 28	25	139



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Product description

- Check valve series BOLA for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 3 and EN 12050-4
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 48

Tests

All valves are individually hydrostatically tested according to EN 1074:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar).

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Valve available in threaded or flanged model
- Full complete passage without obstacles, avoiding head loss
- The ball self-cleaning during the valve operation
- Easy maintenance valve, innovative system for removing the ball, which allows the ball to be removed from the valve, using only the key designed for this purpose, it is not necessary to remove the valve from the pipeline
- The valve should be installed on the horizontal or vertical position, the flow must coincide with the arrow direction engraved on the valve body
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- NBR coated aluminum ball (DN32 a DN100); Ductile iron EN-GJS-500-7 (DN125 a DN400); The rubber's hardness is optimized to prevent the ball from getting stuck
- Accessories: Key for ball extraction [ref.05.800]
- On request the possibility of applying a plug for checking and cleaning.



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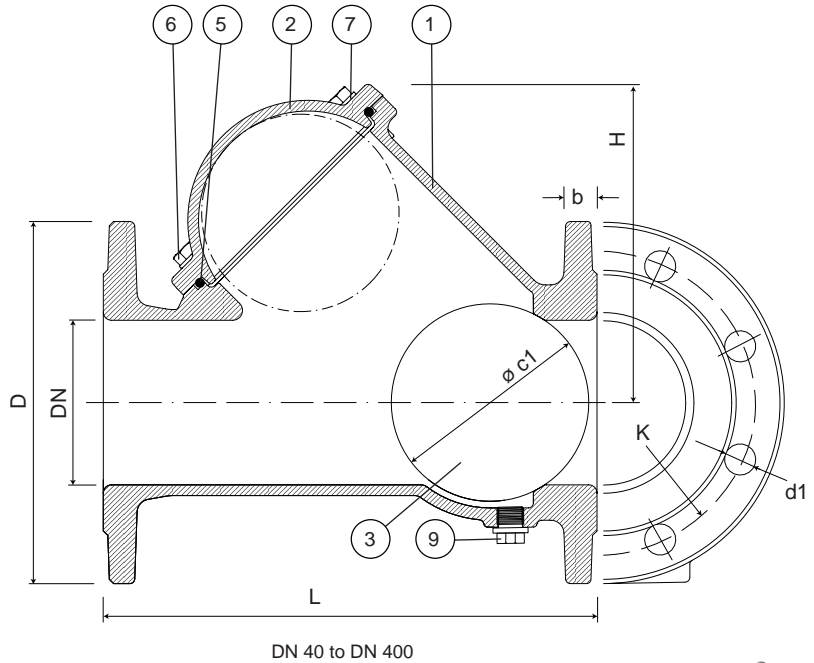
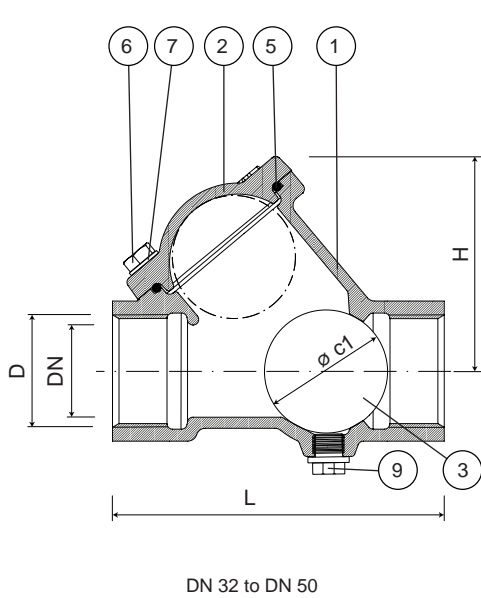
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CHECK VALVE BOLA
metal/rubber sealed
 DN 32 - 400 PN10/16

11.500



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
3	Ball	Aluminium ALSi 12 [DN32 a DN100] Ductile iron EN-GJS-500-7 [DN125 a DN400]	EN 1706 EN 1563
	Ball covering	Elastomer NBR	EN 681 - 1
5	Bonnet gasket	Elastomer NBR	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1
9	Plug (option)	Stainless steel A4	EN 10088 - 1



Detail of the extraction
 the ball using the key [ref.05.800]



Detail of the plug (option)

Reference and dimensions

DN	PN	code	D	ø c1 mm	L mm	H mm	K mm	n° x d1 mm	b mm	ⓐ (option)	Kg approx.
Threaded model			(BSP)								
32	-	10764014	1¼"	50	140	105	-	-	-	G ¼"	3
40	-	10764024	1½"	50	150	105	-	-	-	G ¼"	3
50	-	10764034	2"	65	180	120	-	-	-	G ⅝"	5
Flanged model			mm								
40	10/16	10764044	150	50	180	105	110	4 x 19	19	G ¼"	7
50	10/16	10764054	165	65	200	120	125	4 x 19	19	G ⅝"	8
60	10/16	10764064	175	80	240	142	135	4 x 19	19	G ⅝"	10
65	10/16	10764074	185	80	240	142	145	4 x 19	19	G ⅝"	10
80	10/16	10764084	200	100	260	165	160	8 x 19	19	G ⅝"	14
100	10/16	10764094	220	120	300	194	180	8 x 19	19	G ⅝"	19
125	10/16	10764104	250	146	350	221	210	8 x 19	19	G ½"	25
150	10/16	10764114	285	173	400	262	240	8 x 23	19	G ½"	35
200	10	10764124	340	238	500	353	295	8 x 23	20	G ½"	61
200	16	10764128	340	238	500	353	295	12 x 23	20	G ½"	61
250	10	10764144	400	298	600	437	350	12 x 23	22	G ¾"	99
250	16	10764148	400	298	600	437	355	12 x 28	22	G ¾"	99
300	10	10764164	455	358	700	523	400	12 x 23	24.5	G ¾"	147
300	16	10764168	455	358	700	523	410	12 x 28	24.5	G ¾"	147

continued on next page

CHECK VALVE BOLA
metal/rubber sealed
 DN 32 - 400 PN10/16

11.500



continued from previous page

DN	PN	code	D	ø c1 mm	L mm	H mm	K mm	n° x d1 mm	b mm	⑨ (option)	Kg approx.
350	10	10764184	505	418	800	611	460	16 x 23	24.5	G 1"	206
350	16	10764188	520	418	800	611	470	16 x 28	26.5	G 1"	213
400	10	10764204	565	478	900	700	515	16 x 28	24.5	G 1"	299
400	16	10764208	580	478	900	700	525	16 x 31	28	G 1"	308



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SOFT SEALING GATE VALVE WITH PE PIPES SPIGOT ENDS 3000

PE100 PN16 SDR11 pipe end

DN 50 - 400 PN16

11.501



Product description

- Soft sealing gate valve with PE spigot ends series 3000 for waste water
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- PE 100 PN16 SDR11 pipe according to EN 12201-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water with full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing, DN 400 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- PE100 PN16 SDR11 pipe end that allow a perfect butt fusion and electrofusion with the PE pipeline
- The PE pipe is pressed onto the grooved valve end body and blocked with a cast iron sleeve and sealed with plastic shrink hose
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].

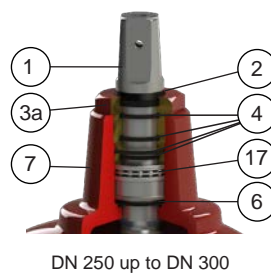
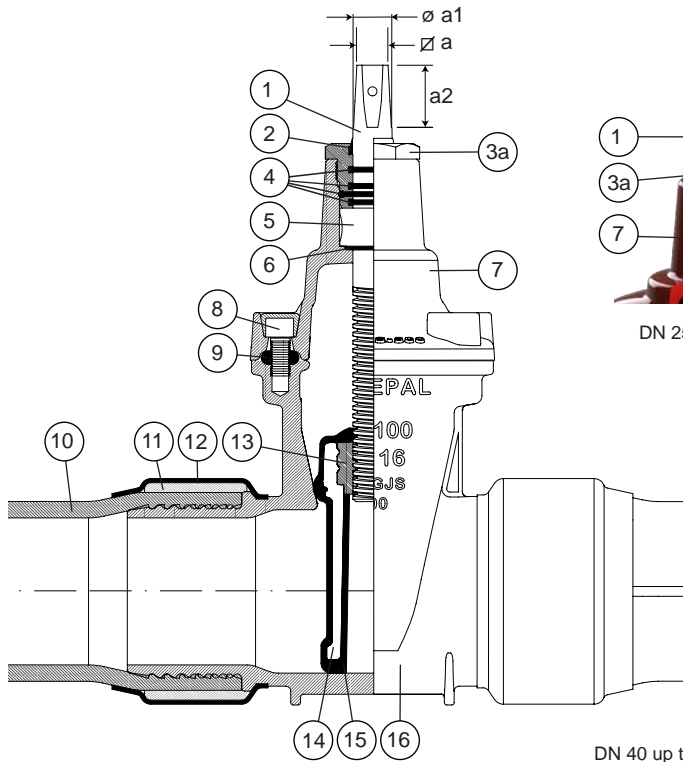


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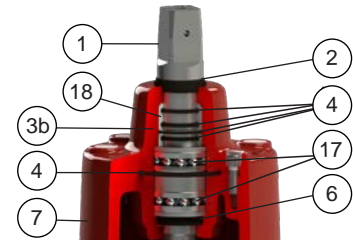
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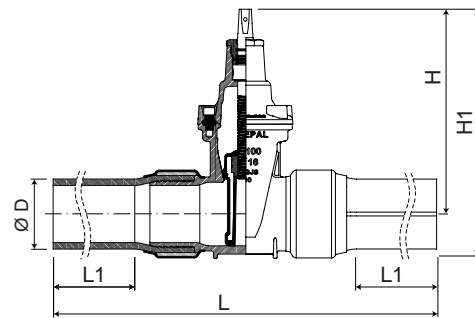
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DN 250 up to DN 300



DN 400



DN 40 up to DN 200

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3a	Gland	Brass	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681 - 1
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 681 - 1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 681 - 1

pos.	components	material	standard
10	Pipe	PE100 PN16 SDR11	EN 12201 - 2
11	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
12	Shrink hose	Plastic	-
13	Wedge nut	Brass	EN 12164
14	Wedge	Ductile iron EN-GJS-500-7	EN 1563
15	Wedge covering	Elastomer NBR	EN 681 - 1
16	Body	Ductile iron EN-GJS-500-7	EN 1563
17	Bearing	Steel	ISO 20516
18	Gland bush	POM	-

Reference and dimensions

DN	Ø D ext. PE	code	L mm	L1 mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
50	63	10780034	680	190	235	276	14.1	20	29	13	9
65	75	10780044	700	190	250	298	17.1	22	34	13	11
80	90	10780054	800	230	290	350	17.1	22	34	16	17
100	110	10780064	800	230	325	395	19.1	24	38	20	21
125	125	10780074	845	240	362	443	19.1	26	38	25	26
125	140	10780084	845	240	362	451	19.1	26	38	25	35
150	160	10780094	900	250	425	527	19.1	28	38	30	40
150	180	10780104	900	250	425	527	19.1	28	38	30	48
200	200	10780134	1050	285	505	628	24.1	32	42	34	69
200	225	10780144	1050	285	505	642	24.1	32	42	34	70
250	250	10780154	1100	285	595	744	27.1	36	47	42	94
250	280	10780164	1100	285	595	745	27.1	36	47	42	129
300	315	10780174	1300	330	670	850	27.1	36	47	50	156
300	355	10780180	1300	330	670	890	27.1	36	47	50	175
400	400	10780184	1400	330	940	1180	32.1	45	55	67	335





Product description

- Penstock valve with non-rising stem with square or round opening for water, rainwater and residual/ waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Lower leakage rate than the maximum allowable in DIN 19569-4 and BS 7775

Corrosion protection

- The surface protected against corrosion applying Primer and then coated with epoxy paint RAL 3011 it with epoxy paint

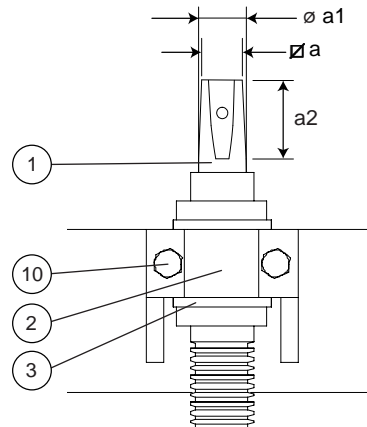
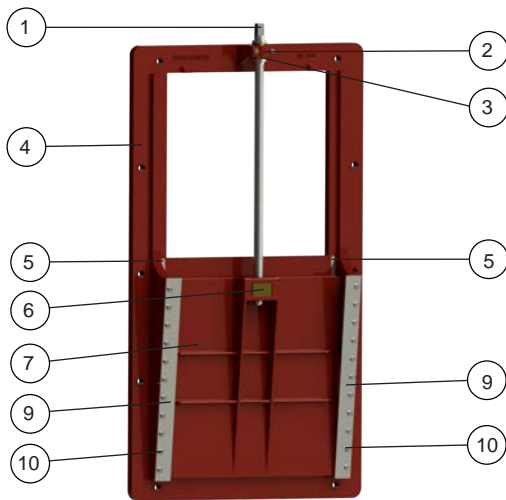
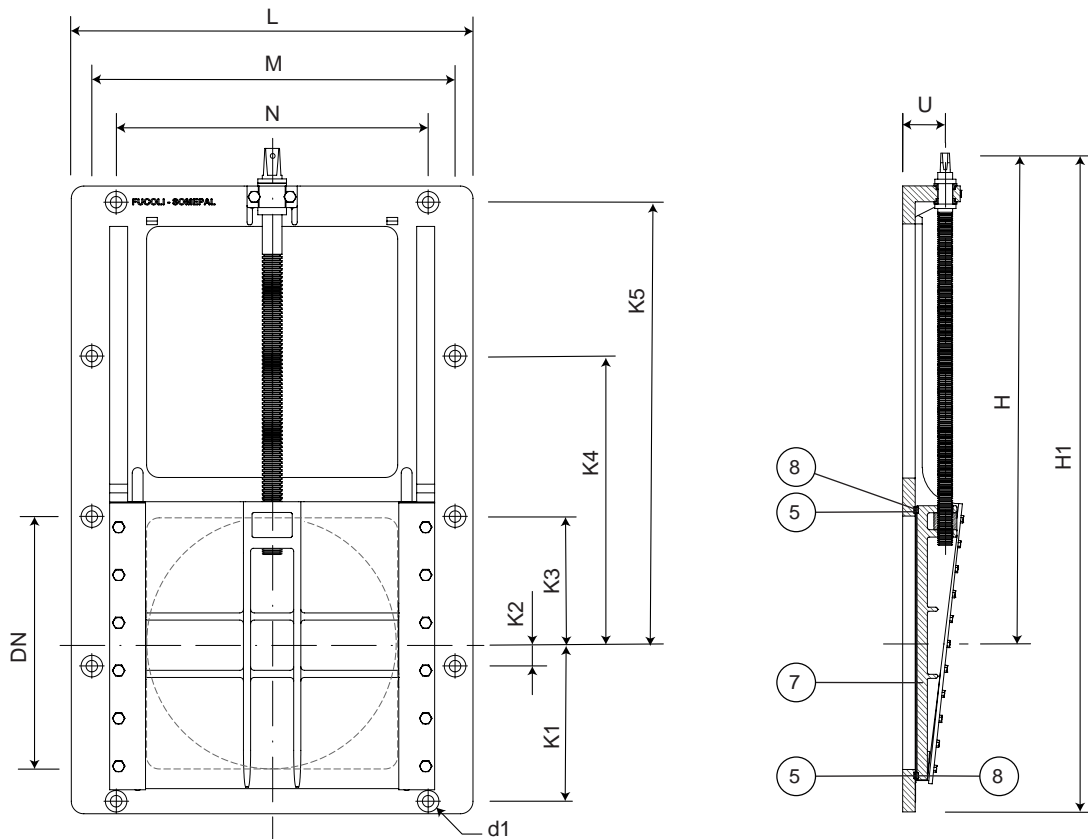
Features

- Isolation valve that provides a robust, quality flow control solution for water, rainwater and residual/ waste water applications
- Application in open air hydraulic installations, such as dams, reservoirs, channels, among others
- Available with square or round opening
- The water sectioning is made through an obturator which moves vertically through a spindle which can be commanded manually, pneumatically or electrically
- Bi-directional valve can be installed in water columns deeper than 10 metres, has a strong and durable design, for effective flow control
- Seat and stem in AISI 316L
- The seals on a penstock valve are specially designed to give the best degree of water tightness, assuming the unit is installed correctly
- Expanding or resin-type anchor bolts are used to secure the penstock valve to the wall
- Accessories: handwheel [ref.05.110], stem cap male or female [ref. 05.210], extension spindle with stem cap and bottom adaptor [ref. 05.310] and headstock [ref. 05.900], electric or pneumatic command.



PENSTOCK VALVE
square or round aperture/opening
 DN 100 - 1200

11.600



DN 100 to DN 1200

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Bearing	Ductile iron EN-GJS-500-7	EN 1563
3	Bearing sleeve	Bronze $CuSn_7Zn_4Pb_7$	EN 1982
4	Body	Ductile iron EN-GJS-500-7	EN 1563
5	Body seat	Stainless steel AISI 316L	EN 10088 - 1
6	Stem nut	Bronze $CuSn_7Zn_4Pb_7$	EN 1982
7	Obturator	Ductile iron EN-GJS-500-7	EN 1563
8	Obturator seat	Stainless steel AISI 316L	EN 10088 - 1
9	Slides	Stainless steel AISI 304	EN 10088 - 1
10	Bolts	Steel zinc plated cl 8.8	ISO 898 - 1

continued on next page

PENSTOCK VALVE
square or round aperture/opening
DN 100 - 1200

11.600



continued from previous page

Reference and dimensions

Dimensions common to all models

DN	L	H	H1	U	M	N	K1	K2	K3	K4	K5	n° x d1	∅ a	∅ a1	a2	turns to open
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
100	227	309	406	60	-	170	90	-	-	-	230	4 x 18	17.1	22	34	20
150	300	393	548	70	-	230	120	-	-	-	310	4 x 18	19.1	28	38	30
200	350	480	660	75	-	290	150	-	-	-	390	4 x 23	24.1	32	42	33
250	430	582	797	80	-	370	185	-	-	-	485	4 x 23	24.1	32	42	41
300	550	655	890	90	485	410	210	-	175	-	560	6 x 23	27.1	36	47	50
350	600	725	985	90	535	455	230	-	200	-	635	6 x 23	27.1	40	47	44
400	700	835	1126	100	630	520	260	-	235	-	730	6 x 30	32.1	44	55	44
450	750	901	1226	100	680	575	285	-	255	-	810	6 x 30	32.1	44	55	50
500	925	1055	1444	110	834	660	328	-	82	495	902	8 x 30	32.1	50	55	50
600	1000	1195	1615	125	900	760	386	-	103	585	1080	8 x 30	32.1	50	55	60
700	1120	1365	1845	130	1020	870	440	-	115	670	1230	8 x 32	41.1	55	74	64
800	1230	1530	2045	170	1130	970	490	23	445	913	1380	10 x 35	41.1	60	74	66
900	1370	1747	2345	190	1265	1070	555	50	525	1100	1605	10 x 40	41.1	60	74	75
1000	1455	1945	2615	200	1350	1160	600	75	587	1250	1775	10 x 40	46.1	65	80	83
1200	1700	2300	3060	240	1590	1330	720	20	680	1380	2080	10 x 45	46.1	70	80	86

Available models



Seat and stem in stainless steel AISI 316L

DN	square aperture	Kg aprox.	round aperture	Kg aprox.
100	10788020	16	10788500	15
150	10788030	31	10788505	31
200	10788040	40	10788510	41
250	10788050	60	10788520	61
300	10788060	95	10788530	97
350	10788070	123	10788540	125
400	10788080	176	10788550	192
450	10788090	200	10788560	200
500	10788100	340	10788570	348
600	10788110	438	10788580	415
700	10788120	596	10788590	604
800	10788130	830	10788600	889
900	10788140	1350	10788610	1354
1000	10788150	1425	10788620	1490
1200	10788160	1990	10788630	2080



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Product description

- Flap valve series MOON for waste water and sea water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Valve with self-operating flap obturator
- Full bore
- The valve opens under direct pressure to relieve fluid, allowing the water to drain when the pressure is relieved, preventing fluids from returning when the tide rises
- The valve sealing area has an 8° inclination to guarantee automatic closing after the fluid has come out. This inclination allows the obturator to exert sufficient force to prevent the ingress of fluid in the opposite direction.
- Minimum opening pressure is 0.1 bar
- The obturator was sealed to reduce noise and increase the coating's endurance
- Can be installed directly on flanges or previously straightened masonry surfaces by steel anchors prior to being planed
- On request possibility to be supplied with counterweight.

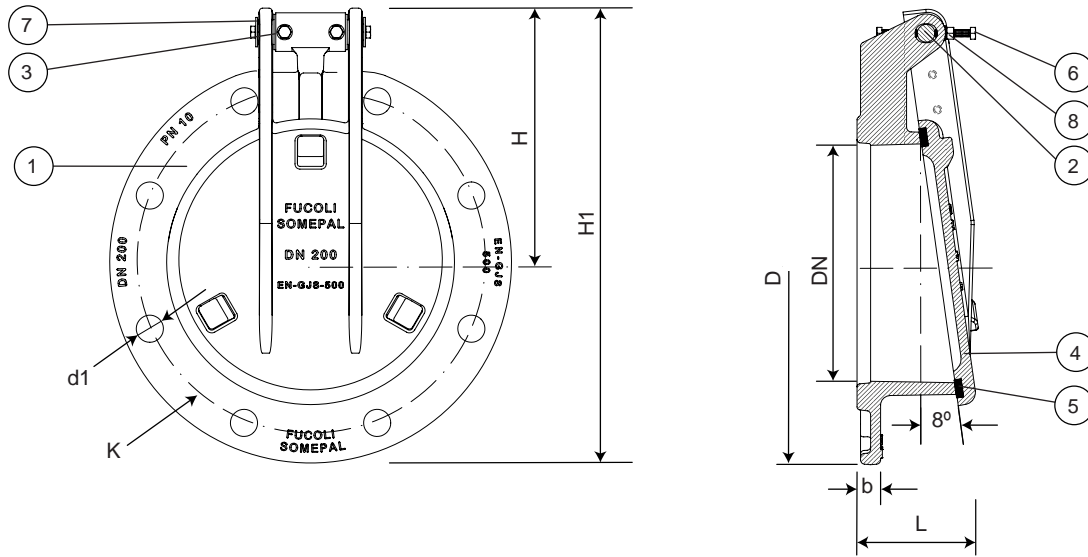


FLAP VALVE MOON
metal/rubber sealed
 DN 50 - 1000 PN10/16

11.701



Flap valve Moon



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Bushing	POM	-
4	Disc/ Obturator	Ductile iron EN-GJS-500-7	EN 1563
5	Sealing	Elastomer NBR	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	Kg
			mm	mm	mm	mm	mm	mm	mm	approx.
50/60/65	10/16	10785490	185	78	133	226	125/145	4 x 19	19	4
80	10/16	10785495	200	80	154	255	160	8 x 19	19	5
100	10/16	10785500	220	80	154	265	180	8 x 19	19	6
150	10/16	10785505	285	95	184	327	240	8 x 23	19	9
200	10	10785510	340	100	215	386	295	8 x 23	20	14
200	16	10785513	340	100	215	386	295	12 x 23	20	14
250	10	10785515	400	115	252	453	350	12 x 23	22	22
250	16	10785518	400	115	252	453	355	12 x 28	22	22
300	10	10785520	455	125	280	508	400	12 x 23	24.5	28
300	16	10785523	455	125	280	508	410	12 x 28	24.5	28
350	10	10785525	520	140	321	582	460	16 x 23	24.5	50
350	16	10785528	520	140	321	582	470	16 x 28	26.5	50
400	10	10785530	580	150	351	642	515	16 x 28	24.5	50
400	16	10785533	580	150	351	642	525	16 x 31	28	50
450	10	10785535	615	155	370	678	565	20 x 28	25.5	56
450	16	10785538	640	155	370	678	585	20 x 31	30	64
500	10	10785540	670	160	400	736	620	20 x 28	26.5	66
500	16	10785543	715	160	400	736	650	20 x 34	31.5	75
600	10	10785545	780	185	460	851	725	20 x 31	30	97
600	16	10785548	840	185	460	851	770	20 x 37	36	117

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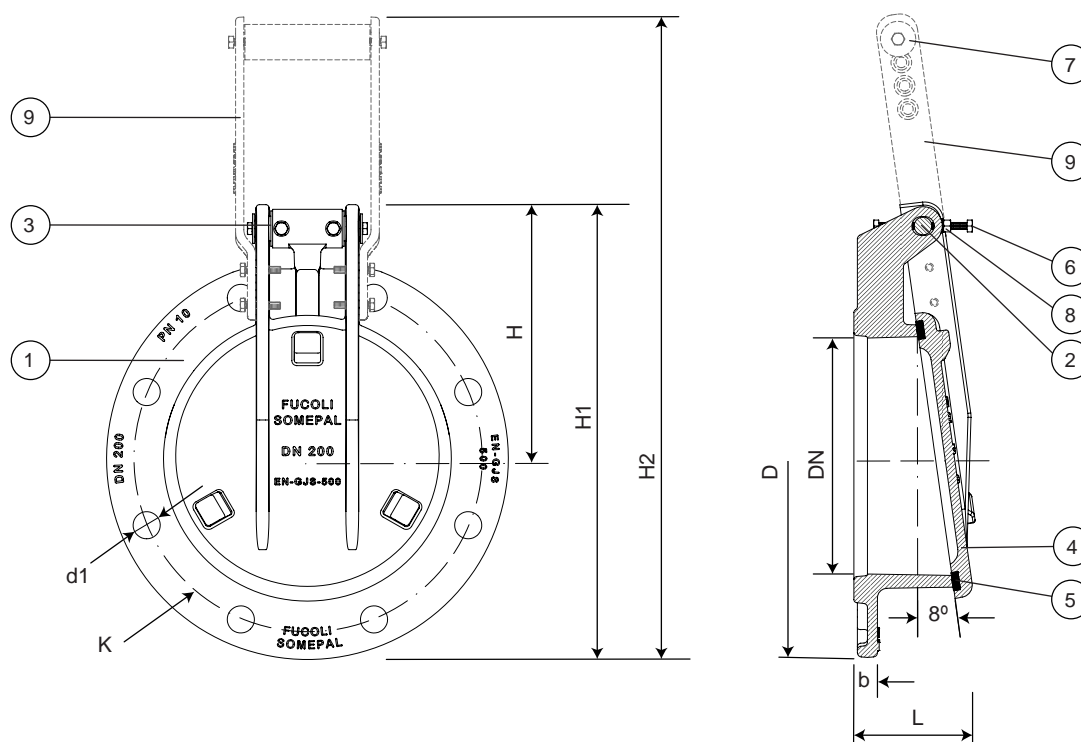


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Reference and dimensions

DN	PN	code	D mm	L mm	H mm	H1 mm	K mm	n° x d1 mm	b mm	Kg approx.
700	10	10785550	895	210	520	969	840	24 x 31	32.5	130
700	16	10785553	910	210	520	969	840	24 x 37	39.5	150
800	10	10785555	1015	230	582	1091	950	24 x 34	35	180
800	16	10785558	1025	230	582	1091	950	24 x 41	43	200
900	10	10785560	1115	255	646	1210	1050	28 x 34	37.5	200
900	16	10785563	1125	255	646	1210	1050	28 x 41	46.5	250
1000	10/16	10785565	1230/1255	285	712	1340	1160/1170	28 x 37/44	50	295

Flap valve Moon with counterweight



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shaft	Stainless steel AISI 316L	EN 10088 - 1
3	Bushing	POM	-
4	Disc/ Obturator	Ferro Fundido Dúctil EN-GJS-500-7	EN 1563
5	Sealing	Elastomer NBR	EN 681 - 1
6	Bolts	Stainless steel A2	EN 10088 - 1
7	Washers	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1
9	Counterweight	Ductile iron EN-GJS-500-7	EN 1563

Referências e dimensões

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	Kg approx.
50/60/65	10/16	10785590	185	78	133	226	322	125/145	4 x 19	19	6
80	10/16	10785595	200	80	154	255	348	160	8 x 19	19	7
100	10/16	10785600	220	80	154	265	358	180	8 x 19	19	8
150	10/16	10785605	285	95	184	327	490	240	8 x 23	19	11

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FLAP VALVE MOON
metal/rubber sealed
 DN 50 - 1000 PN10/16

11.701



continuação da página anterior

Reference and dimensions

DN	PN	code	D mm	L mm	H mm	H1 mm	H2 mm	K mm	n° x d1 mm	b mm	Kg approx.
200	10	10785610	340	100	215	386	545	295	8 x 23	20	17
200	16	10785613	340	100	215	386	545	295	12 x 23	20	17
250	10	10785615	400	115	252	453	612	350	12 x 23	22	25
250	16	10785618	400	115	252	453	612	355	12 x 28	22	25
300	10	10785620	455	125	280	508	716	400	12 x 23	24.5	31
300	16	10785623	455	125	280	508	716	410	12 x 28	24.5	31
350	10	10785625	520	140	321	582	786	460	16 x 23	24.5	55
350	16	10785628	520	140	321	582	786	470	16 x 28	26.5	55
400	10	10785630	580	150	351	642	896	515	16 x 28	24.5	55
400	16	10785633	580	150	351	642	896	525	16 x 31	28	55
450	10	10785635	615	155	370	678	974	565	20 x 28	25.5	61
450	16	10785638	640	155	370	678	974	585	20 x 31	30	69
500	10	10785640	670	160	400	736	1036	620	20 x 28	26.5	71
500	16	10785643	715	160	400	736	1036	650	20 x 34	31.5	80
600	10	10785645	780	185	460	851	1176	725	20 x 31	30	102
600	16	10785648	840	185	460	851	1176	770	20 x 37	36	122
700	10	10785650	895	210	520	969	1334	840	24 x 31	32.5	135
700	16	10785653	910	210	520	969	1334	840	24 x 37	39.5	155
800	10	10785655	1015	230	582	1091	1483	950	24 x 34	35	185
800	16	10785658	1025	230	582	1091	1483	950	24 x 41	43	205
900	10	10785660	1115	255	646	1210	1642	1050	28 x 34	37.5	205
900	16	10785663	1125	255	646	1210	1642	1050	28 x 41	46.5	255
1000	10/16	10785665	1230/1255	285	712	1340	1770	1160/1170	28 x 37/44	50	300



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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
DN 150 - 1100 PN10/16

11.800



Product description

- Butterfly valve series DUPLEX 316L for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 593
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 14

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

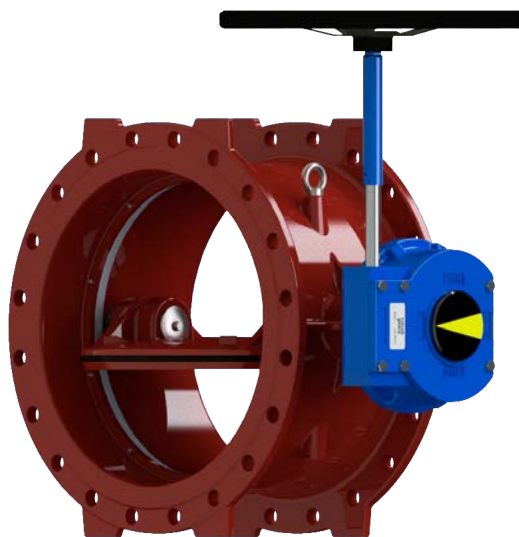
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation and flow regulation valve for waste water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body in ductile cast iron EN-GJS-500-7
- Body seat in stainless steel AISI 316L
- Shafts in stainless steel AISI 316L bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP67 correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- On request the possibility of gearbox IP68 and gearbox with limit switches.



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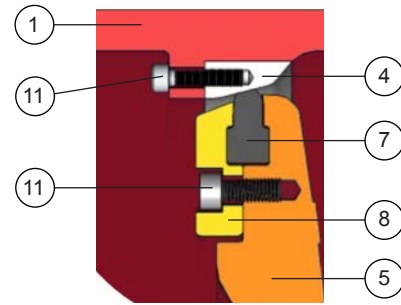
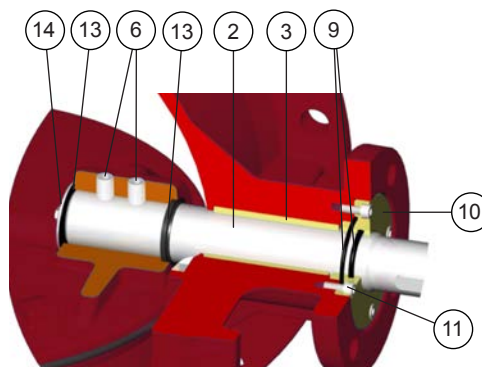
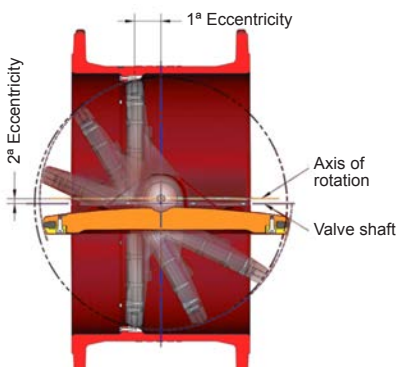
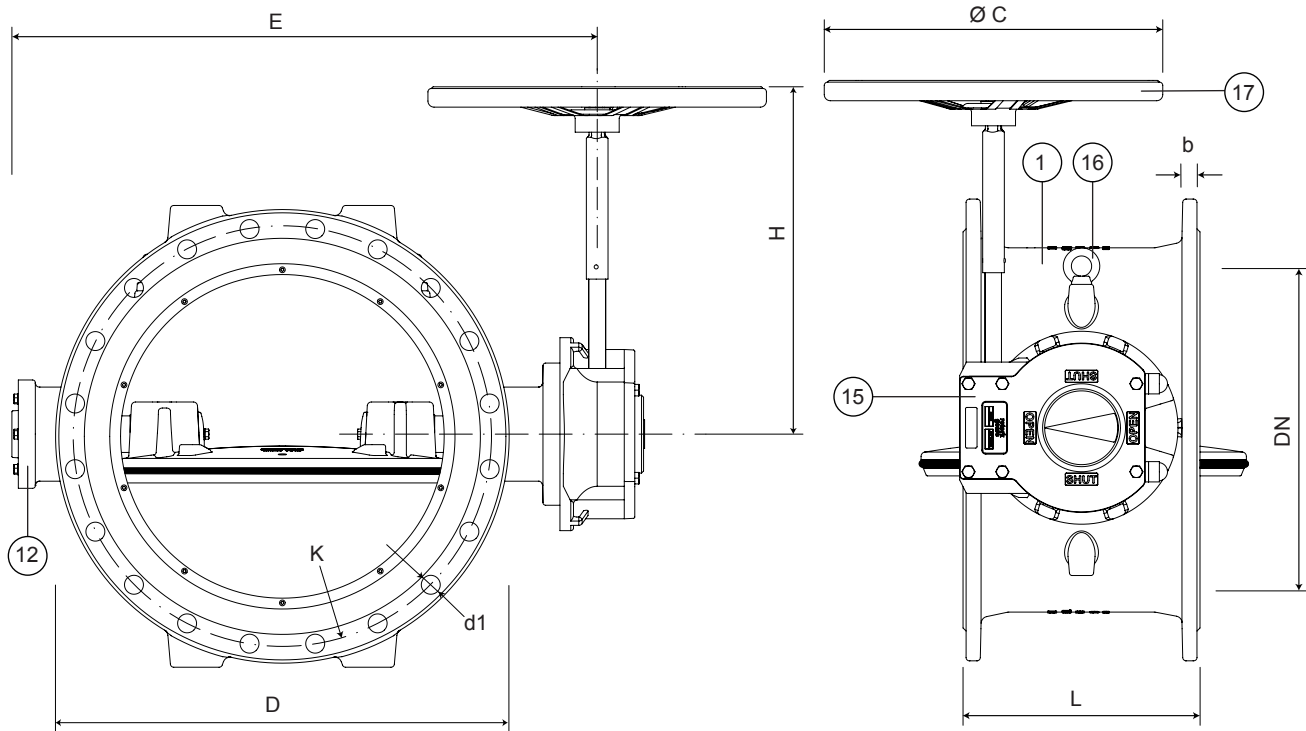
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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
 DN 150 - 1100 PN10/16

11.800



Seal detail with body seat in stainless steel AISI 316L

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 316L	EN 10088 - 1
3	Shafts bushing	Bronze	EN 1982
4	Body seat	Stainless steel AISI 316L	EN 10088 - 1
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer NBR	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer NBR	EN 681 - 1
10	Locking ring O-ring	Bronze	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer NBR	EN 681 - 1
14	Shafts washer	Stainless steel AISI 316L	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	Handwheel	Printed steel ST W24	10305 - 3

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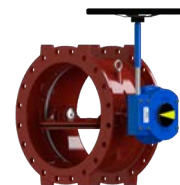
BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
 DN 150 - 1100 PN10/16

11.800



continued from previous page

Butterfly valve Duplex 316L with Rotork IP67



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	Ø C mm	Kg approx.
150	10/16	10777305	285	210	390	294	240	8 x 23	19	200	35
200	10	10777310	340	230	445	304	295	8 x 23	20	200	46
200	16	10777315	340	230	445	304	295	12 x 23	20	200	71
250	10	10777320	400	250	525	380	350	12 x 23	22	250	74
250	16	10777325	400	250	525	380	355	12 x 28	22	250	74
300	10	10777330	455	270	576	380	400	12 x 23	24.5	250	91
300	16	10777335	455	270	576	380	410	12 x 28	24.5	250	91
350	10	10777340	505	290	640	441	460	16 x 23	24.5	300	127
350	16	10777345	520	290	640	441	470	16 x 28	26.5	300	135
400	10	10777350	565	310	731	441	515	16 x 28	24.5	300	148
400	16	10777355	580	310	731	441	525	16 x 31	28	300	157
450	10	10777360	615	330	813	555	565	20 x 28	25.5	300	198
450	16	10777365	640	330	813	555	585	20 x 31	30	300	220
500	10	10777370	670	350	861	555	620	20 x 28	26.5	300	233
500	16	10777375	715	350	861	555	650	20 x 34	31.5	300	257
600	10	10777380	780	390	985	610	725	20 x 31	30	300	312
600	16	10777385	840	390	985	610	770	20 x 37	36	300	355
700	10	10777390	895	430	1095	660	840	24 x 31	32.5	300	460
700	16	10777395	910	430	1095	660	840	24 x 37	39.5	300	512
800	10	10777400	1015	470	1195	660	950	24 x 34	35	300	582
800	16	10777405	1025	470	1195	660	950	24 x 41	43	300	632
900	10	10777410	1115	510	1340	660	1050	28 x 34	37.5	300	895
900	16	10777415	1125	510	1340	660	1050	28 x 41	46.5	300	943
1000	10	10777420	1230	550	1495	670	1160	28 x 37	40	300	1081
1000	16	10777425	1255	550	1495	670	1170	28 x 44	50	300	1152
1100	10	10777427	1340	590	1613	700	1270	32 x 37	42.5	300	1653
1100	16	10777429	1355	590	1613	700	1270	32 x 44	53.5	300	1741

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BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
 DN 150 - 1100 PN10/16

11.800



continued from previous page

Butterfly valve Duplex 316L with Auma IP68 (Motorizable)



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	ISO flange for actuator	Ø C mm	Kg approx.
150	10/16	10777305GSVOL	285	210	390	294	240	8 x 23	19	F10	200	-
200	10	10777310GSVOL	340	230	445	304	295	8 x 23	20	F10	200	-
200	16	10777315GSVOL	340	230	445	304	295	12 x 23	20	F10	200	-
250	10	10777320GSVOL	400	250	525	380	350	12 x 23	22	F10	250	-
250	16	10777325GSVOL	400	250	525	380	355	12 x 28	22	F10	250	-
300	10	10777330GSVOL	455	270	576	380	400	12 x 23	24.5	F10	250	-
300	16	10777335GSVOL	455	270	576	380	410	12 x 28	24.5	F10	250	-
350	10	10777340GSVOL	505	290	640	441	460	16 x 23	24.5	F10	300	-
350	16	10777345GSVOL	520	290	640	441	470	16 x 28	26.5	F10	300	-
400	10	10777350GSVOL	565	310	731	441	515	16 x 28	24.5	F10	300	-
400	16	10777355GSVOL	580	310	731	441	525	16 x 31	28	F10	300	-
450	10	10777360GSVOL	615	330	813	555	565	20 x 28	25.5	F10	300	-
450	16	10777365GSVOL	640	330	813	555	585	20 x 31	30	F10	300	-
500	10	10777370GSVOL	670	350	861	555	620	20 x 28	26.5	F10	300	-
500	16	10777375GSVOL	715	350	861	555	650	20 x 34	31.5	F10	300	-
600	10	10777380GSVOL	780	390	985	610	725	20 x 31	30	F10	300	-
600	16	10777385GSVOL	840	390	985	610	770	20 x 37	36	F10	300	-
700	10	10777390GSVOL	895	430	1095	660	840	24 x 31	32.5	F10	300	-
700	16	10777395GSVOL	910	430	1095	660	840	24 x 37	39.5	F10	300	-
800	10	10777400GSVOL	1015	470	1195	660	950	24 x 34	35	F10	300	-
800	16	10777405GSVOL	1025	470	1195	660	950	24 x 41	43	F10	300	-
900	10	10777410GSVOL	1115	510	1340	660	1050	28 x 34	37.5	F10	300	-
900	16	10777415GSVOL	1125	510	1340	660	1050	28 x 41	46.5	F10	300	-
1000	10	10777420GSVOL	1230	550	1495	670	1160	28 x 37	40	F10	300	-
1000	16	10777425GSVOL	1255	550	1495	670	1170	28 x 44	50	F14	300	-
1100	10	10777427GSVOL	1340	590	1613	700	1270	32 x 37	42.5	F10	300	-
1100	16	10777429GSVOL	1355	590	1613	700	1270	32 x 44	53.5	F14	300	-



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Product description

- Butterfly valve series DUPLEX 316L with seat in stainless steel, gearbox and Auma electric actuator for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 593
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 table 2 series 14
- ISO top flange according to ISO 5210
- Auma Norm multi-turn electric actuators with enclosure IP68 according to EN 60529

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

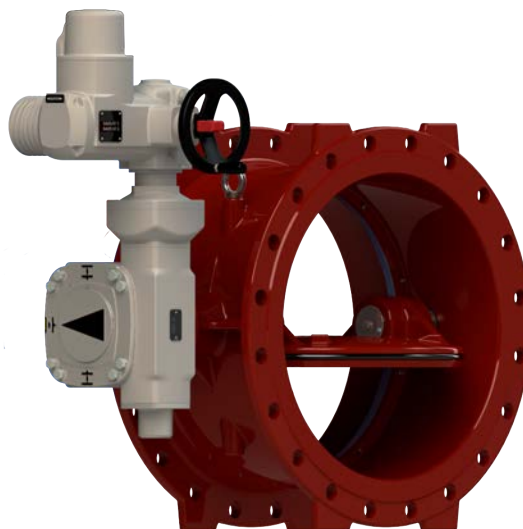
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according to DIN 3476-1, EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Isolation and flow regulation valve approved for waste water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body with integrated seat in ductile cast iron EN-GJS-500-7
- Body seat in stainless steel AISI 316L
- Shafts in stainless steel AISI 316L bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP68 and electric actuator Auma Norm correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- Auma Norm electric actuator multi-turn SA with three-phase AC motors (3PH - 400V - 50Hz - IP68)
- On request possibility of actuator Auma Norm single phrase, Auma Matic, Aumatic or others.



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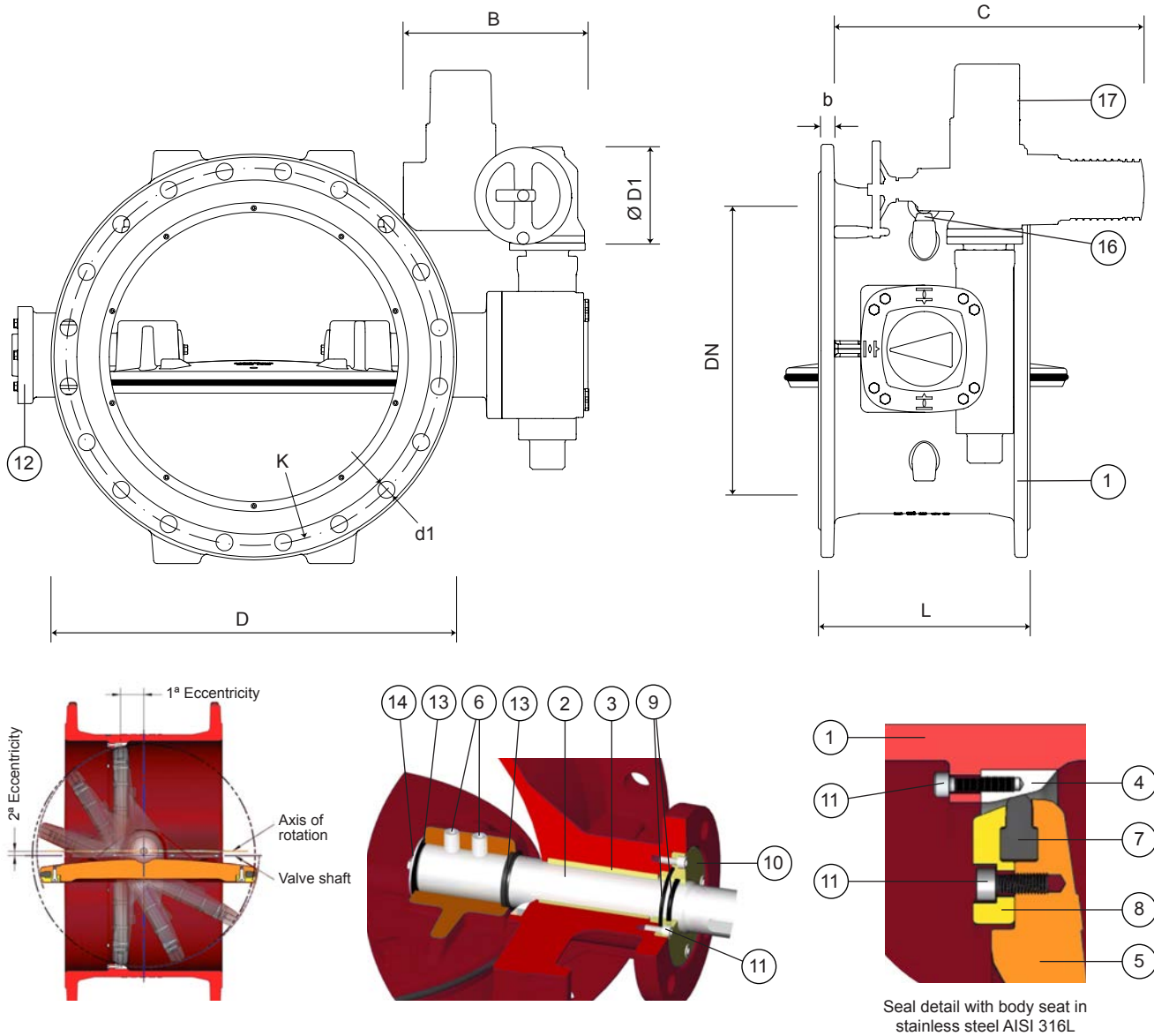
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BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L, gearbox and Auma electric actuator

DN 150 - 1100 PN10/16

11.800A



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 316L	EN 10088 - 1
3	Shafts bushing	Bronze	EN 1982
4	Body seat	Stainless steel AISI 316L	EN 10088 - 1
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer NBR	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer NBR	EN 681 - 1
10	Locking ring O-ring	Bronze	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer NBR	EN 681 - 1
14	Shafts washer	Stainless steel AISI 316L	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	AUMA electric actuator	-	-

continued on next page

BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L, gearbox and Auma electric actuator

DN 150 - 1100 PN10/16

11.800A



continued from previous page

Reference and dimensions

DN	PN	code	D	L	K	n° x d1	b	AUMA atuator	B	C	Ø D1	RPM atuator	closed time s.	Kg approx.
			mm	mm	mm	mm	mm		mm	mm	mm			
150	10/16	10777305A	285	210	240	8 x 23	19	SA 7.6	300	514	160	22	35	58
200	10	10777310A	340	230	295	8 x 23	20	SA 7.6	300	514	160	22	35	69
200	16	10777315A	340	230	295	12 x 23	20	SA 7.6	300	514	160	22	35	94
250	10	10777320A	400	250	350	12 x 23	22	SA 7.6	300	514	160	16	48	97
250	16	10777325A	400	250	355	12 x 28	22	SA 7.6	300	514	160	16	48	98
300	10	10777330A	455	270	400	12 x 23	24.5	SA 7.6	300	514	160	16	48	115
300	16	10777335A	455	270	410	12 x 28	24.5	SA 7.6	300	514	160	16	48	115
350	10	10777340A	505	290	460	16 x 23	24.5	SA 7.6	300	514	160	16	50	150
350	16	10777345A	520	290	470	16 x 28	26.5	SA 10.2	313	537	200	16	50	162
400	10	10777350A	565	310	515	16 x 28	24.5	SA 7.6	300	514	160	16	50	171
400	16	10777355A	580	310	525	16 x 31	28	SA 10.2	313	537	200	16	50	184
450	10	10777360A	615	330	565	20 x 28	25.5	SA 7.6	300	514	160	32	98	226
450	16	10777365A	640	330	585	20 x 31	30	SA 7.6	300	514	160	32	98	248
500	10	10777370A	670	350	620	20 x 28	26.5	SA 7.6	300	514	160	32	98	260
500	16	10777375A	715	350	650	20 x 34	31.5	SA 7.6	300	514	160	32	98	285
600	10	10777380A	780	390	725	20 x 31	30	SA 7.6	300	514	160	32	98	327
600	16	10777385A	840	390	770	20 x 37	36	SA 10.2	313	537	200	22	142	381
700	10	10777390A	895	430	840	24 x 31	32.5	SA 10.2	313	537	200	22	142	461
700	16	10777395A	910	430	840	24 x 37	39.5	SA 10.2	313	537	200	22	142	513
800	10	10777400A	1015	470	950	24 x 34	35	SA 10.2	313	537	200	22	142	583
800	16	10777405A	1025	470	950	24 x 41	43	SA 10.2	313	537	200	32	207	678
900	10	10777410A	1115	510	1050	28 x 34	37.5	SA 7.6	300	514	160	32	207	782
900	16	10777415A	1125	510	1050	28 x 41	46.5	SA 7.6	300	514	160	45	288	909
1000	10	10777420A	1230	550	1160	28 x 37	40	SA 10.2	313	537	200	22	301	972
1000	16	10777425A	1255	550	1170	28 x 44	50	SA 10.2	313	537	200	32	405	1122
1100	10	10777427A	1340	590	1270	32 x 37	42.5	SA 10.2	313	537	200	32	405	1761
1100	16	10777429A	1355	590	1270	32 x 44	53.5	SA 14.2	377	725	315	22	578	1837



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- Double socket 90° bend for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.



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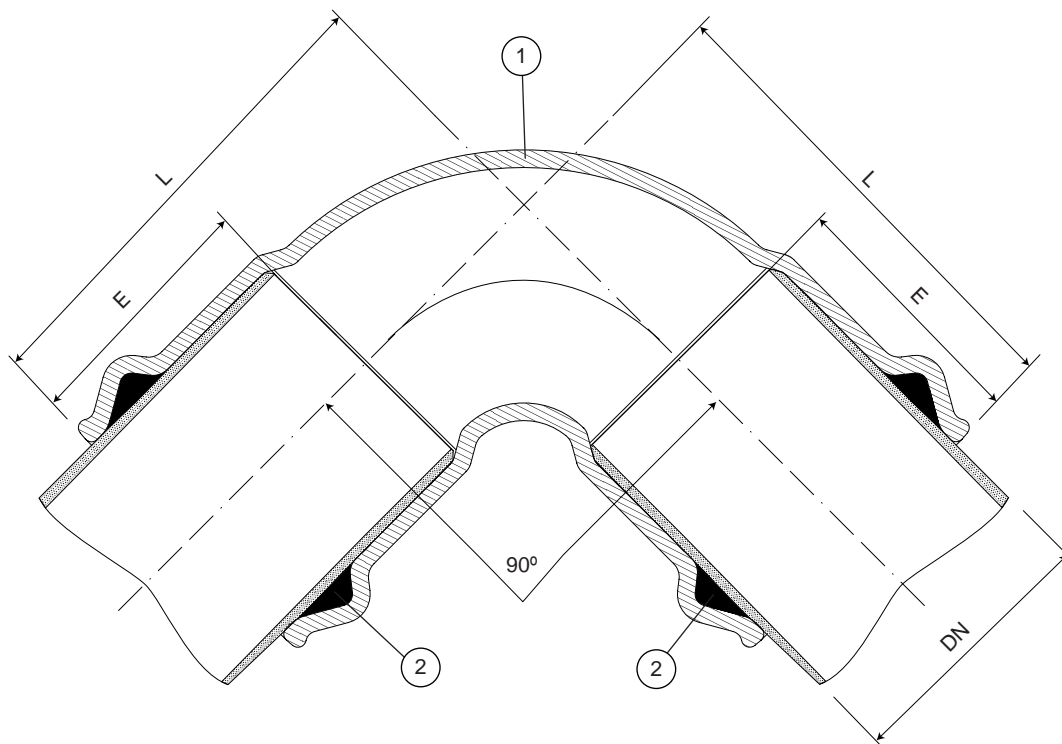
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DOUBE SOCKET 90° BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN16

11.1000



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	10419800	158	88	4
75	10419810	166	90	4
90	10419820	185	97	6
110	10419830	203	105	9
125	10419840	230	108	9
140	10419850	244	110	11
160	10419860	274	123	16
180	10419865	290	128	20
200	10419870	320	132	23
225	10419875	355	135	27
250	10419880	388	145	33
315	10419890	463	160	57
400	10419900	550	173	98



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- Double socket 45° bend for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.



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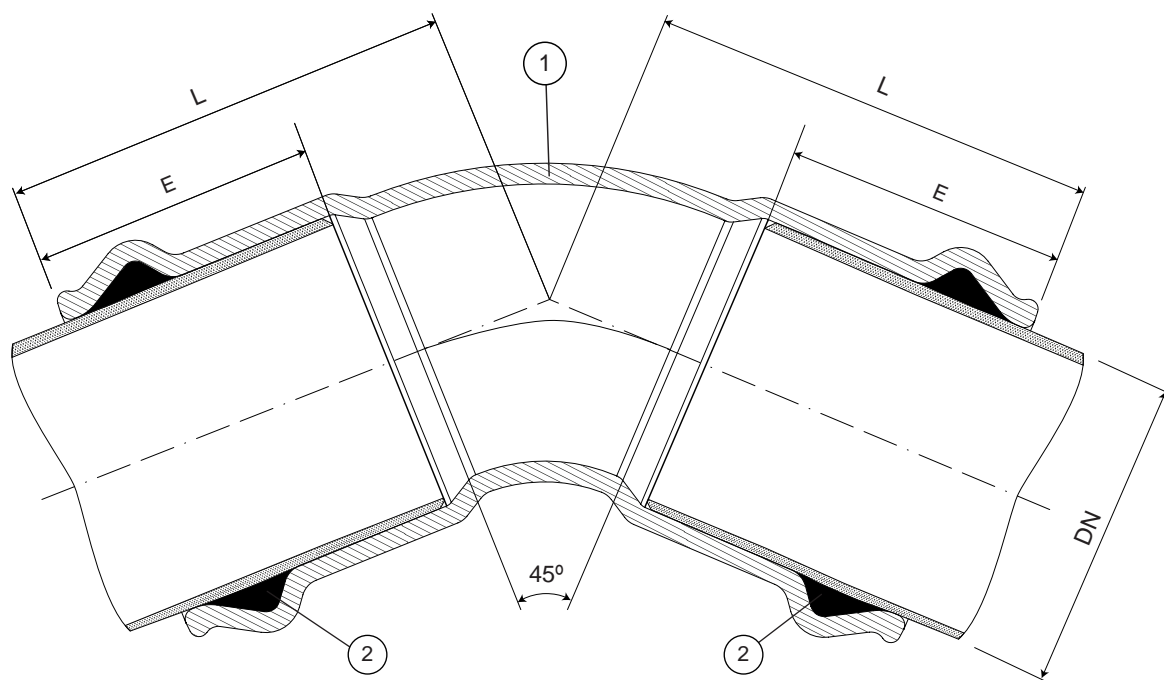
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DOUBE SOCKET 45° BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN16

11.1001



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	10421800	130	88	3
75	10421810	137	90	4
90	10421820	147	97	5
110	10421830	165	105	8
125	10421835	172	108	8
140	10421840	183	110	10
160	10421850	205	123	12
180	10421855	215	128	16
200	10421860	225	132	19
225	10421870	246	135	23
250	10421880	263	145	27
315	10421890	308	160	39
400	10421900	350	173	60



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- Double socket 22° 30' bend for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.



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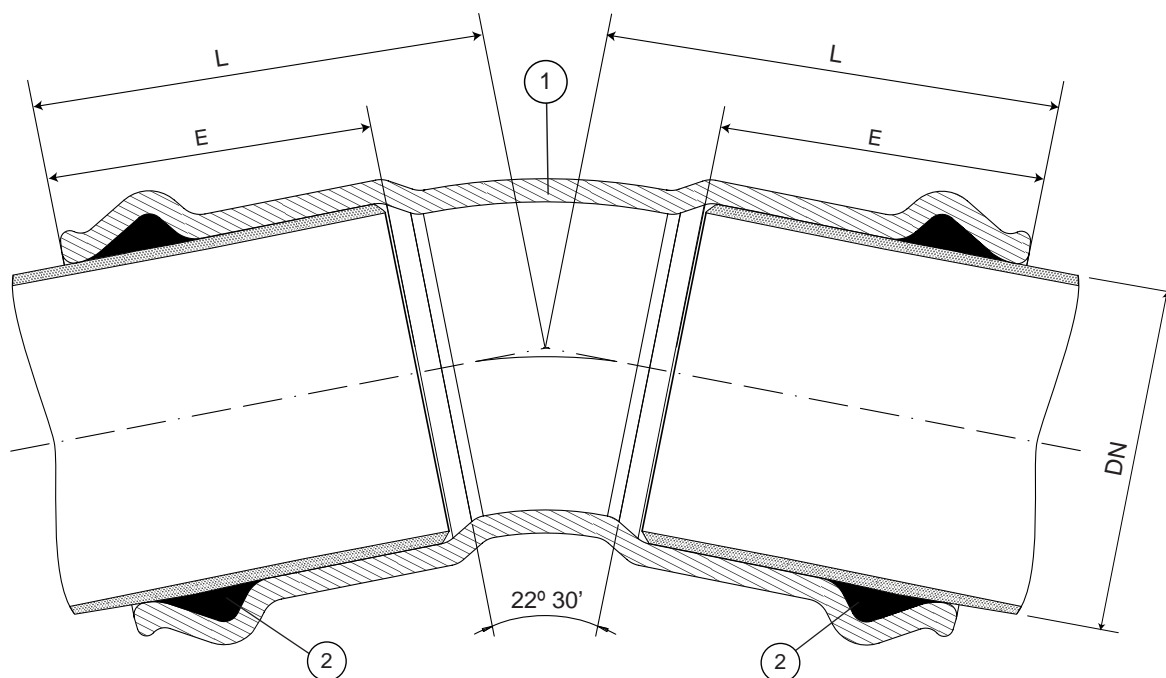
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DOUBE SOCKET 22° 30' BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN16

11.1002



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	10422800	117	88	3
75	10422810	122	90	4
90	10422820	135	97	5
110	10422830	148	105	6
125	10422840	154	108	7
140	10422845	165	110	9
160	10422850	181	123	11
200	10422860	198	132	17
225	10422870	215	135	20
250	10422880	231	145	24
315	10422890	265	160	37
400	10422900	290	173	57
400	10421900	350	173	60



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- Double socket 11° 15' bend for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.



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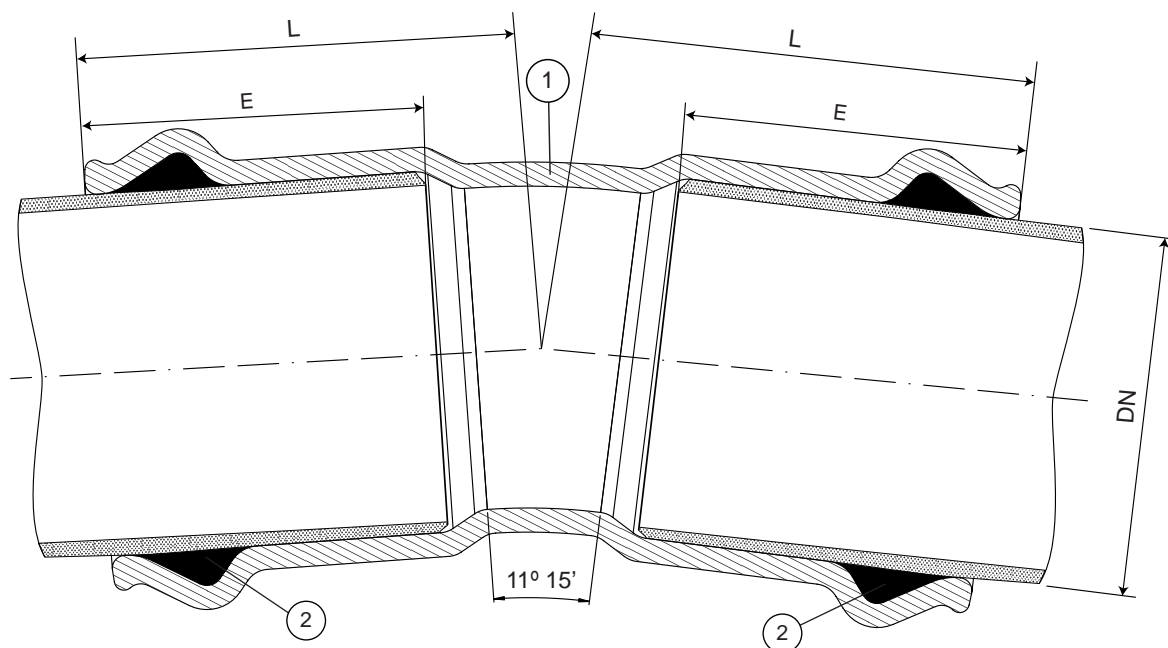
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DOUBE SOCKET 11° 15' BEND FOR uPVC

Fittings for uPVC pipes

63 - 400 PN16

11.1003



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

Ø D ext. PE/uPVC	code	L mm	E mm	Kg approx.
63	10423800	110	88	3
75	10423810	114	90	4
90	10423820	127	97	4
110	10423830	140	105	6
125	10423835	145	108	7
140	10423840	155	110	8
160	10423850	170	123	11
200	10423860	185	132	17
225	10423870	201	135	19
250	10423880	215	145	23
315	10423890	245	160	37
400	10423900	270	173	55



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- Double socket taper for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.

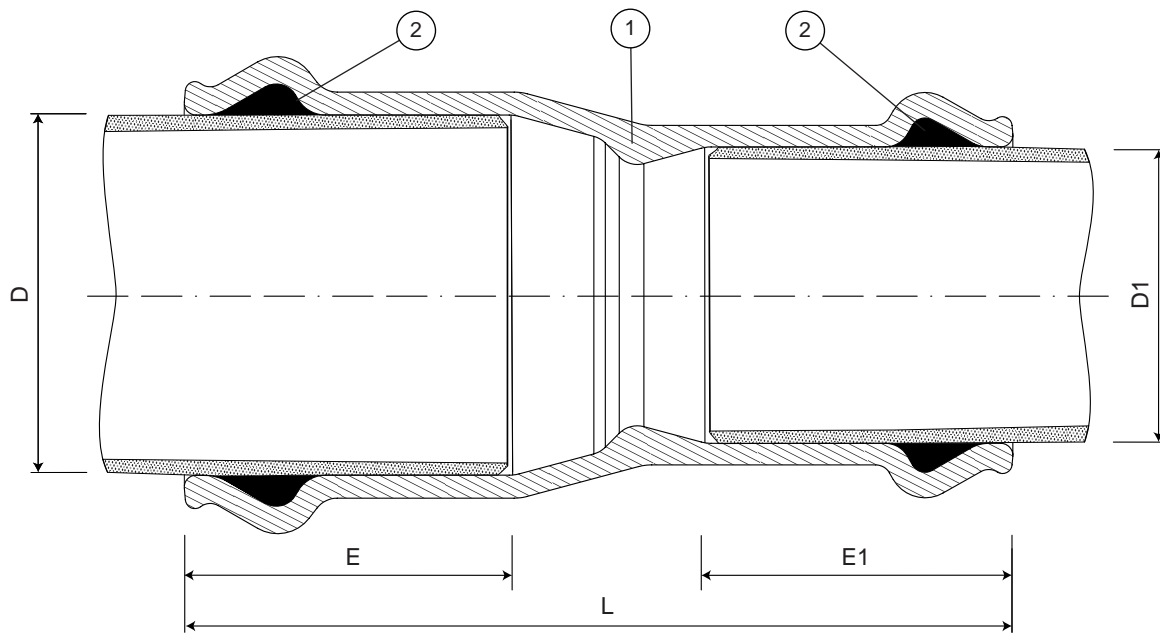


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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

Ø D x Ø D1 ext. PE/uPVC	code	L mm	E mm	E1 mm	Kg approx.
75 x 63	1047051001	216	90	88	3
90 x 63	1047051501	235	97	88	5
90 x 75	1047052001	232	97	90	5
110 x 63	1047052501	251	105	88	5
110 x 75	1047053001	254	105	90	5
110 x 90	1047053501	260	105	97	7
125 x 63	1047053801	273	108	88	5
125 x 75	1047054001	277	108	90	6
125 x 90	1047054201	277	108	97	6
125 x 110	1047054401	277	108	105	7
140 x 63	1047054801	276	110	88	6
140 x 75	1047054901	280	110	90	7
140 x 90	1047055101	285	110	97	7
140 x 110	1047055301	287	110	105	7
140 x 125	1047055501	287	110	108	7
160 x 63	1047056501	297	123	88	8
160 x 75	1047056701	297	123	90	8
160 x 90	1047056901	298	123	97	9
160 x 110	1047057101	314	123	105	10
160 x 125	1047057301	311	123	108	10
160 x 140	1047057501	311	123	110	10
180 x 140	1047057701	325	128	110	12
180 x 160	1047057801	325	128	123	13
200 x 63	1047057901	366	132	80	12
200 x 75	1047058101	366	132	90	12

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DOUBLE SOCKET TAPER FOR UPVC

11.1100

Fittings for uPVC pipes

63 - 400 PN16



continued from previous page

∅ D x ∅ D1 ext. PE/uPVC	code	L mm	E mm	E1 mm	Kg approx.
200 x 90	1047058301	367	132	97	13
200 x 110	1047058501	358	132	105	14
200 x 125	1047058701	356	132	108	14
200 x 140	1047058901	356	132	110	14
200 x 160	1047059001	368	132	123	15
200 x 180	1047059101	368	132	128	16
225 x 110	1047059501	355	134	105	15
225 x 160	1047059801	370	134	123	15
250 x 75	1047060201	402	145	97	16
250 x 90	1047060401	456	160	134	17
250 x 110	1047060601	402	145	105	17
250 x 125	1047060801	405	145	108	18
250 x 140	1047061001	407	145	110	18
250 x 160	1047061201	418	145	123	19
250 x 180	1047061601	408	145	128	20
250 x 200	1047061401	408	145	132	20
315 x 110	1047061901	456	160	105	22
315 x 160	1047062801	456	160	123	28
315 x 200	1047063001	456	160	132	29
315 x 225	1047063051	456	160	134	30
315 x 250	1047063401	536	173	145	33
400 x 140	1047064901	536	173	110	45
400 x 200	1047065101	536	173	132	49
400 x 315	1047063601	536	173	160	53



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- Double socket collar for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.



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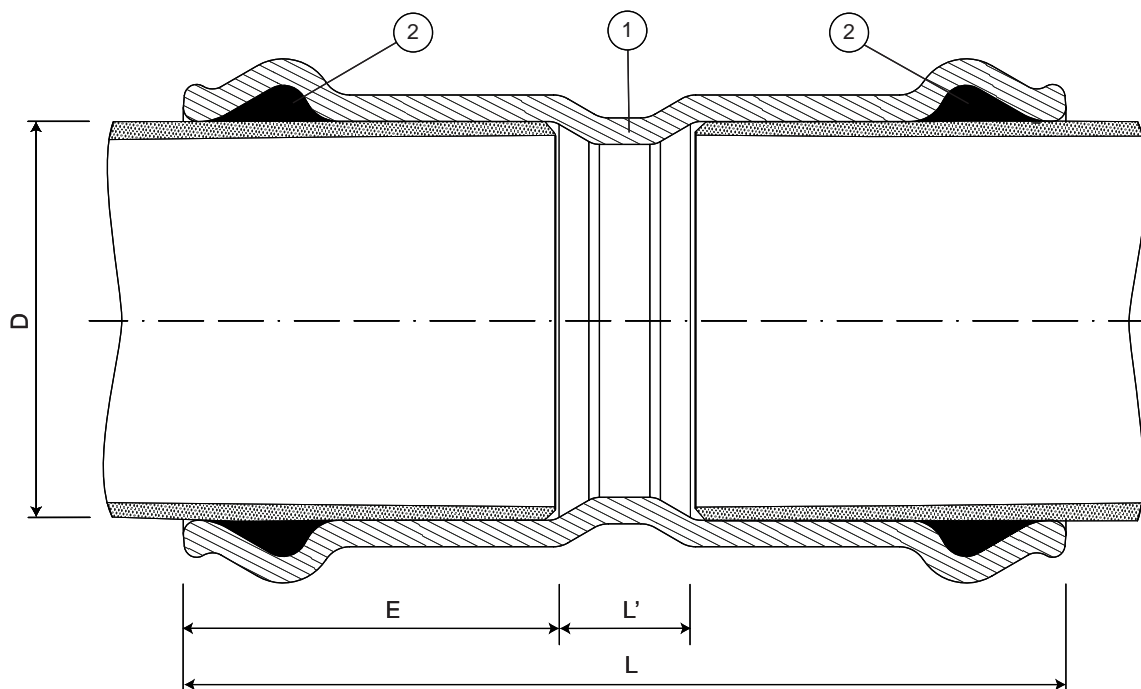
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DOUBLE SOCKET COLLAR FOR uPVC

Fittings for uPVC pipes

63 - 400 PN16

11.1200



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

$\varnothing D$ ext. PE/uPVC	code	L mm	L' mm	E mm	Kg approx.
63	10476000	210	34	88	3
75	10476010	220	40	90	4
90	10476020	234	40	97	5
110	10476030	250	40	105	6
125	10476040	256	40	108	7
140	10476050	260	40	110	8
160	10476060	296	50	123	10
200	10476070	324	60	132	16
250	10476090	370	80	145	22
315	10476110	396	120	160	35
400	10476120	481	135	173	57



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Product description

- All socket tee for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

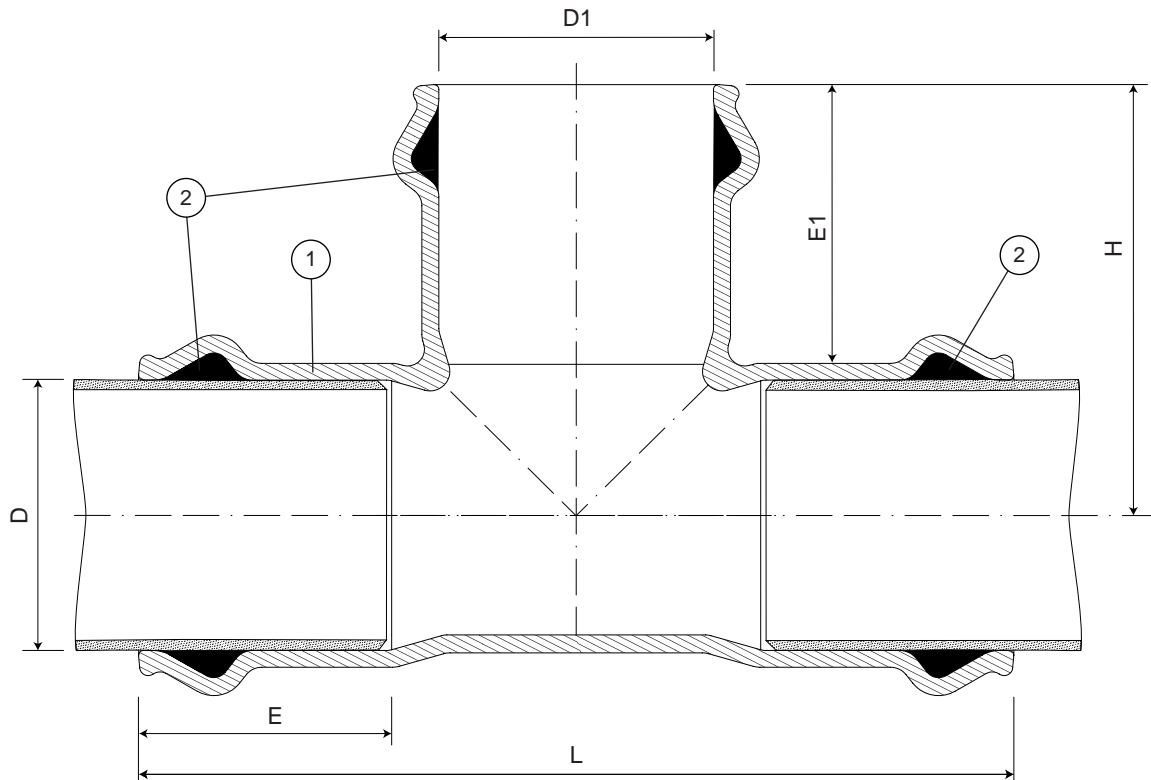
Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.





Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

D x D1 ext. PE/PVC	code	L mm	H mm	E mm	E1 mm	Kg approx.
63 x 63	10481000	260	127	88	88	5
75 x 63	10481001	268	134	90	88	6
75 x 75	10481002	280	140	90	90	6
90 x 63	10481003	292	142	97	88	7
90 x 75	10481004	302	148	97	90	7
90 x 90	10481005	316	164	97	97	8
110 x 63	10481006	315	150	105	88	8
110 x 75	10481007	327	156	105	90	9
110 x 90	10481008	340	156	105	97	9
110 x 110	10481009	360	180	105	105	10
125 x 63	10481010	334	169	108	88	9
125 x 75	10481011	345	162	108	90	10
125 x 90	10481012	360	174	108	97	12
125 x 110	10481013	377	179	108	105	12
125 x 125	10481014	404	202	108	108	12
140 x 63	10481015	342	169	110	88	10
140 x 75	10481016	353	177	110	90	11
140 x 90	10481017	368	181	110	97	11
140 x 110	10481018	386	184	110	105	12
140 x 125	10481019	410	206	110	108	14
140 x 140	10481020	412	206	110	110	14

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ALL SOCKET TEE FOR uPVC
Fittings for uPVC pipes
 63 - 400 PN16

11.1300



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D x D1 ext. PE/PVC	code	L mm	H mm	E mm	E1 mm	Kg approx.
160 x 63	10481021	373	181	123	88	12
160 x 75	10481022	384	188	123	90	13
160 x 90	10481023	398	191	123	97	13
160 x 110	10481024	416	197	123	105	14
160 x 125	10481025	443	217	123	108	16
160 x 140	10481026	443	217	123	110	16
160 x 160	10481027	461	228	123	123	16
180 x 180	10481129	437	219	128	128	23
200 x 63	10481028	389	200	132	80	17
200 x 75	10481029	395	204	132	90	18
200 x 90	10481030	405	216	132	97	19
200 x 110	10481031	422	220	132	105	19
200 x 125	10481032	485	238	132	108	22
200 x 140	10481033	485	238	132	110	22
200 x 160	10481034	470	252	132	123	23
200 x 200	10481035	520	255	132	132	26
250 x 63	10481045	464	255	145	88	27
250 x 75	10481046	475	230	145	90	27
250 x 90	10481047	489	241	145	97	27
250 x 110	10481048	507	234	145	105	27
250 x 125	10481049	534	266	145	108	32
250 x 140	10481050	534	266	145	110	33
250 x 160	10481051	552	266	145	123	34
250 x 200	10481052	597	268	145	132	35
250 x 250	10481054	627	332	145	145	41
315 x 63	10481066	520	258	160	88	41
315 x 75	10481067	530	260	160	90	43
315 x 90	10481068	543	262	160	97	43
315 x 110	10481069	561	267	160	105	44
315 x 125	10481070	588	285	160	108	47
315 x 140	10481071	588	290	160	110	49
315 x 160	10481072	606	299	160	123	50
315 x 200	10481073	665	325	160	132	54
315 x 250	10481075	715	350	160	145	61
315 x 315	10481077	746	379	160	160	67
400 x 110	10481081	653	328	173	105	76
400 x 140	10481083	680	353	173	110	79
400 x 250	10481087	807	405	173	145	97
400 x 315	10481089	838	441	173	160	105
400 x 400	10481090	960	489	173	173	130



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Fittings for uPVC pipes

63 - 400 PN10/16

**Product description**

- Double socket tee for uPVC pipes with flanged branch for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.

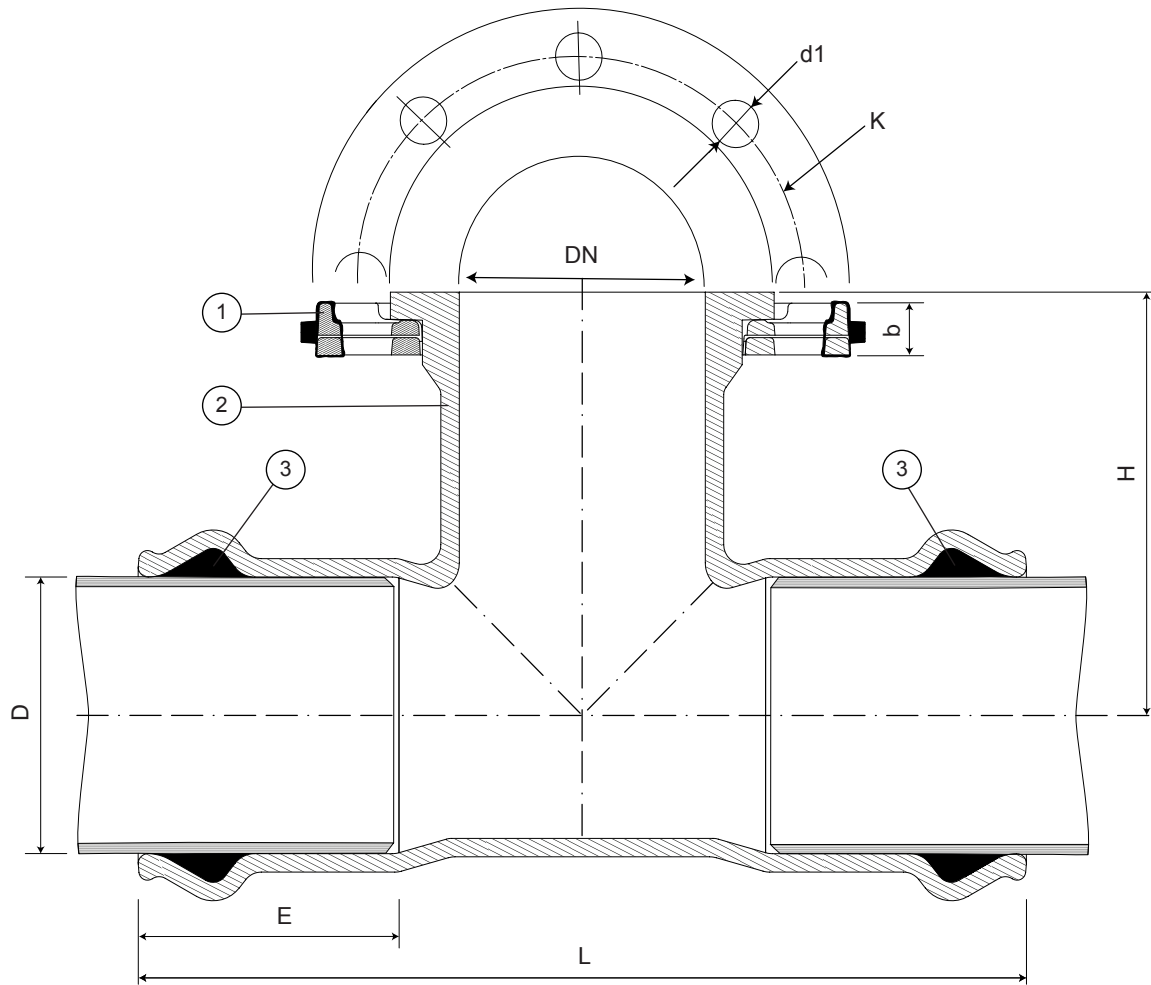
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DOUBLE SOCKET TEE FOR uPVC WITH FLANGED BRANCH

11.1400

Fittings for uPVC pipes

63 - 400 PN10/16



Component list

pos.	components	material	norma
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563
3	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
63 x 50	10/16	10490100	254	140	88	125	4 x 19	21	movable	6
63 x 60	10/16	10490103	263	135	88	135	4 x 19	21	movable	7
63 x 65	10/16	10490106	263	135	88	145	4 x 19	21	movable	7
75 x 50	10/16	10490109	265	140	90	125	4 x 19	21	movable	6
75 x 60	10/16	10490112	280	140	90	135	4 x 19	21	movable	7
75 x 65	10/16	10490115	280	140	90	145	4 x 19	21	movable	8
90 x 50	10/16	10490118	286	160	97	125	4 x 19	21	movable	8
90 x 60	10/16	10490121	301	161	97	135	4 x 19	21	movable	8
90 x 65	10/16	10490124	301	161	97	145	4 x 19	21	movable	9
90 x 80	10/16	10490127	316	161	97	160	8 x 19	21	movable	9
110 x 50	10/16	10490130	311	170	105	125	4 x 19	21	movable	10
110 x 60	10/16	10490133	326	175	105	135	4 x 19	21	movable	10
110 x 65	10/16	10490136	326	175	105	145	4 x 19	21	movable	11
110 x 80	10/16	10490139	341	172	105	160	8 x 19	21	movable	12
110 x 100	10/16	10490142	361	172	105	180	8 x 19	21	movable	12

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Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
125 x 50	10/16	10490145	327	160	108	125	4 x 19	21	movable	10
125 x 60	10/16	10490148	337	160	108	135	4 x 19	21	movable	11
125 x 65	10/16	10490151	337	160	108	145	4 x 19	21	movable	12
125 x 80	10/16	10490154	364	179	108	160	8 x 19	21	movable	13
125 x 100	10/16	10490157	382	180	108	180	8 x 19	21	movable	14
125 x 125	10/16	10490160	402	180	108	210	8 x 19	21	movable	15
140 x 50	10/16	10490163	335	176	110	125	4 x 19	21	movable	12
140 x 60	10/16	10490166	350	203	110	135	4 x 19	21	movable	14
140 x 65	10/16	10490169	350	203	110	145	4 x 19	21	movable	14
140 x 80	10/16	10490172	365	187	110	160	8 x 19	21	movable	15
140 x 100	10/16	10490175	385	197	110	180	8 x 19	21	movable	15
140 x 125	10/16	10490178	410	205	110	210	8 x 19	21	movable	18
160 x 50	10/16	10490181	362	200	123	125	4 x 19	21	movable	15
160 x 60	10/16	10490184	380	214	123	135	4 x 19	21	movable	15
160 x 65	10/16	10490187	380	214	123	145	4 x 19	21	movable	15
160 x 80	10/16	10490190	396	199	123	160	8 x 19	21	movable	17
160 x 100	10/16	10490193	415	208	123	180	8 x 19	21	movable	18
160 x 125	10/16	10490196	441	218	123	210	8 x 19	21	movable	21
160 x 150	10/16	10490199	465	218	123	240	8 x 23	21	movable	23
180 x 80	10/16	10490197	508	225	128	160	8 x 19	21	movable	23
180 x 150	10/16	10490201	508	240	128	240	8 x 23	21	movable	27
200 x 50	10/16	10490202	403	210	132	125	4 x 19	21	movable	18
200 x 60	10/16	10490205	418	214	132	135	4 x 19	21	movable	19
200 x 65	10/16	10490208	418	214	132	145	4 x 19	21	movable	19
200 x 80	10/16	10490211	435	223	132	160	8 x 19	21	movable	22
200 x 100	10/16	10490214	457	240	132	180	8 x 19	21	movable	24
200 x 125	10/16	10490217	480	233	132	210	8 x 19	21	movable	26
200 x 150	10/16	10490220	550	273	132	240	8 x 23	21	movable	32
200 x 200	10/16	10490223	552	280	132	295	8 - 12 x 23	22	movable	35
225 x 60	10/16	10490213	430	225	135	135	4 x 19	21	movable	23
225 x 65	10/16	10490215	430	225	135	145	4 x 19	21	movable	23
225 x 80	10/16	10490216	450	250	135	160	8 x 19	21	movable	25
225 x 100	10/16	10490221	450	250	135	180	8 x 19	21	movable	28
225 x 150	10/16	10490224	500	250	135	240	8 x 23	21	movable	32
225 x 200	10/16	10490225	550	260	135	295	8 - 12 x 23	22	movable	36
250 x 50	10/16	10490226	457	240	145	125	4 x 19	21	movable	28
250 x 60	10/16	10490229	472	245	145	135	4 x 19	21	movable	29
250 x 65	10/16	10490232	472	245	145	145	4 x 19	21	movable	29
250 x 80	10/16	10490235	487	250	145	160	8 x 19	21	movable	30
250 x 100	10/16	10490238	507	255	145	180	8 x 19	21	movable	31
250 x 125	10/16	10490241	532	260	145	210	8 x 19	21	movable	35
250 x 150	10/16	10490244	557	265	145	240	8 x 23	21	movable	40
250 x 200	10/16	10490247	607	275	145	295	8 - 12 x 23	22	movable	44
250 x 250	10	10490250	657	285	145	350	12 x 23	26	movable	52
250 x 250	16	10490251	657	285	145	355	12 x 28	26	movable	52
280 x 60	10/16	10490252	-	-	-	135	4 x 19	21	movable	33
280 x 80	10/16	10490254	500	285	150	160	8 x 19	21	movable	34
315 x 50	10/16	10490253	512	285	160	125	4 x 19	21	movable	42

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Reference and dimensions

D x DN ext. PE/uPVC	PN	code	L mm	H mm	E mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
315 x 60	10/16	10490256	527	295	160	135	4 x 19	21	movable	44
315 x 65	10/16	10490259	527	295	160	145	4 x 19	21	movable	44
315 x 80	10/16	10490262	542	305	160	160	8 x 19	21	movable	45
315 x 100	10/16	10490265	562	309	160	180	8 x 19	21	movable	44
315 x 125	10/16	10490268	587	309	160	210	8 x 19	21	movable	52
315 x 150	10/16	10490271	612	309	160	240	8 x 23	21	movable	56
315 x 200	10/16	10490274	662	292	160	295	8 - 12 x 23	22	movable	65
315 x 250	10	10490277	712	305	160	350	12 x 23	26	movable	70
315 x 250	16	10490278	712	305	160	355	12 x 28	26	movable	70
315 x 300	10	10490280	762	309	160	400	12 x 23	32	movable	70
315 x 300	16	10490279	762	309	160	410	12 x 28	32	movable	70
400 x 50	10/16	10490283	753	320	173	125	4 x 19	21	movable	75
400 x 60	10/16	10490286	753	330	173	135	4 x 19	21	movable	81
400 x 65	10/16	10490289	753	330	173	145	4 x 19	21	movable	81
400 x 80	10/16	10490292	753	341	173	160	8 x 19	21	movable	84
400 x 100	10/16	10490295	753	356	173	180	8 x 19	21	movable	84
400 x 125	10/16	10490298	753	360	173	210	8 x 19	21	movable	84
400 x 150	10/16	10490301	753	360	173	240	8 x 23	21	movable	87
400 x 200	10/16	10490304	753	365	173	295	8 - 12 x 23	22	movable	91
400 x 250	10	10490307	803	375	173	350	12 x 23	26	movable	110
400 x 250	16	10490305	803	375	173	355	12 x 28	26	movable	112
400 x 300	10	10490310	853	385	173	400	12 x 23	32	movable	118
400 x 300	16	10490311	853	385	173	410	12 x 28	32	movable	120
400 x 400	10	10490316	953	394	173	515	16 x 28	38	movable	129
400 x 400	16	10490317	953	394	173	525	16 x 31	38	movable	132



Fittings for uPVC pipes

63 - 400 PN16

**Product description**

- Double socket tee for uPVC pipes with threaded branch for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.

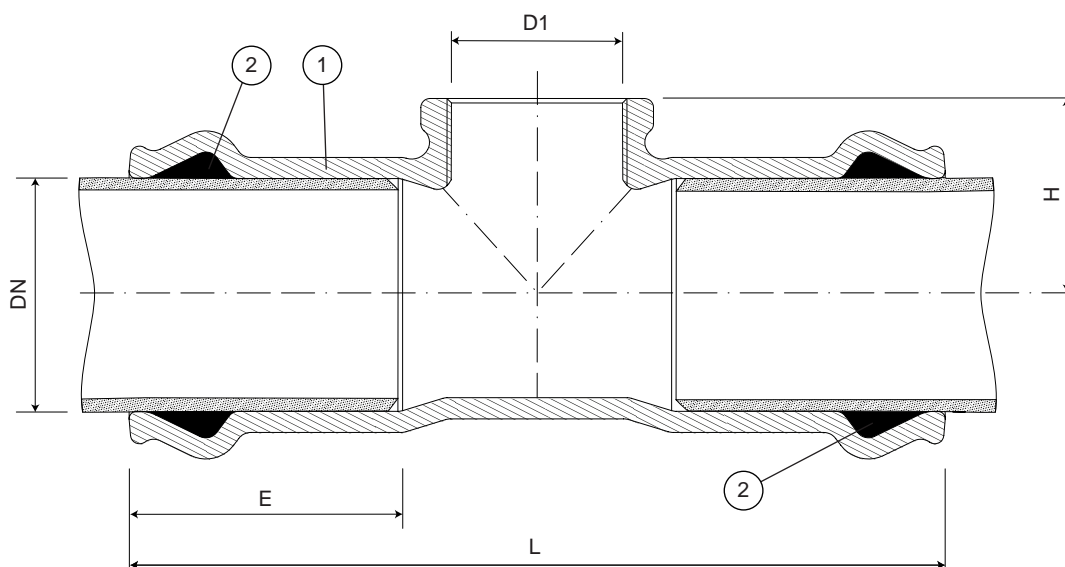
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DOUBE SOCKET TEE FOR uPVC WITH THREADED BRANCH

Fittings for uPVC pipes

63 - 400 PN16

11.1500



Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

ø D ext. PE/uPVC	D1 (BSP)	code	L mm	H mm	E mm	Kg approx.
63	G 1 1/2"	1045600301	258	59	88	4
63	G 2"	1046606201	258	59	88	4
75	G 1 1/2"	1045600201	270	64	90	4
75	G 2"	1045630501	270	64	90	4
90	G 1 1/2"	1045600101	291	81	97	6
90	G 2"	1045630701	291	81	97	6
90	G 2 1/2"	1045630801	306	81	97	6
110	G 1 1/2"	1045600501	315	90	105	7
110	G 2"	1045640701	315	90	105	7
110	G 2 1/2"	1045640801	330	90	105	8
125	G 1 1/2"	1045600401	332	97	108	8
125	G 2"	1045650701	332	97	108	8
140	G 1 1/2"	1045641201	340	104	110	10
140	G 2"	1045641001	340	104	110	10
160	G 1 1/2"	1045642201	370	113	123	12
160	G 2"	1045642001	370	113	123	12
200	G 1 1/2"	1045645201	410	145	132	16
200	G 2"	1045600701	410	145	132	17
250	G 1 1/2"	1045643201	462	166	145	24
250	G 2"	1045643001	462	166	145	24
315	G 2"	1045644001	516	195	160	38
400	G 1 1/2"	10456445002	562	245	173	60
400	G 2"	10456445001	562	245	173	60



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Fittings for uPVC pipes

63 - 400 PN16



Product description

- All socket crosshead for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- For uPVC pipes according EN ISO 1452-2

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water uPVC pipes connection
- Body in ductile cast iron (EN-GJS-500-7)
- Fast and easy to install
- Socket ends with NBR double lip seal ring to ensure a perfect sealing
- Maximum working pressure 16 bar, the maximum working and test pressure must be in accordance with the pipe standard
- This fitting does not guarantee the pipe blocking, they must be anchored by other means.

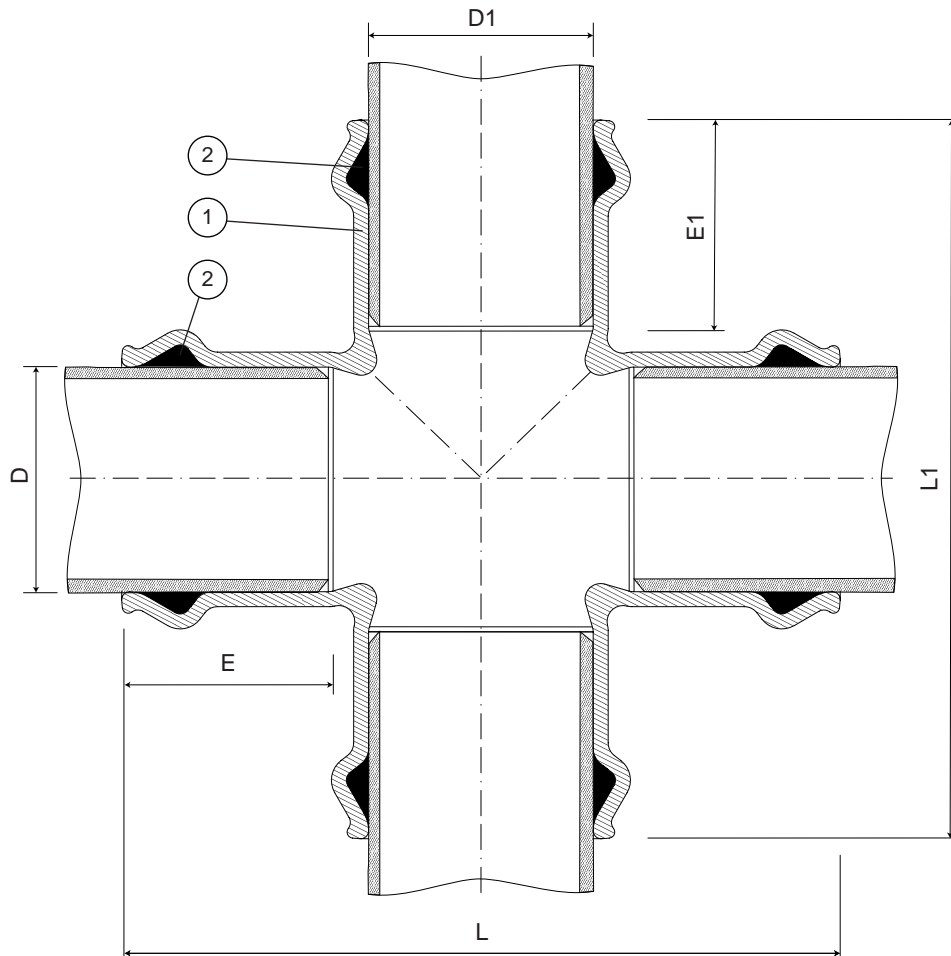


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Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

Ø D x Ø D1 ext. PE/uPVC	code	L mm	L1 mm	E mm	E1 mm	Kg approx.
63 x 63	1043750001	260	260	88	88	6
75 x 75	1043751001	280	280	90	90	7
90 x 90	1043752001	316	316	97	97	8
110 x 110	1043753001	360	360	105	105	12
125 x 125	1043753501	404	404	108	108	16
140 x 140	1043754001	412	412	110	110	17
160 x 160	1043755001	461	461	123	123	23
200 x 200	1043756601	520	520	132	132	31
250 x 250	1043757001	627	627	145	145	53
315 x 315	1043758001	746	746	160	160	83
400 x 400	1043759001	960	978	173	173	150



DOUBLE FLANGED 90° BEND

11.2000

Flanged fittings

DN 40 - 1000 PN10/16



Product description

- Double flanged 90° bend for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



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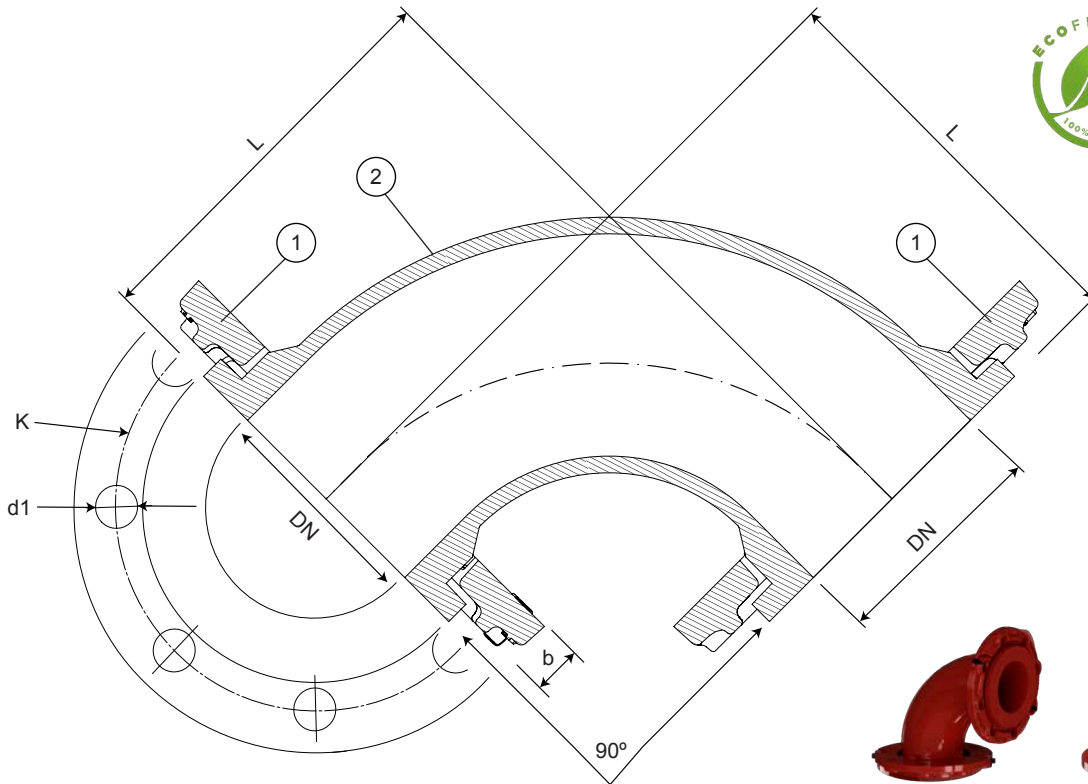
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DOUBLE FLANGED 90° BEND

Flanged fittings

DN 40 - 1000 PN10/16

11.2000



DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40	10/16/25	10008000	140	110	4 x 19	21	movable	6
50	10/16	10008001	150	125	4 x 19	21	movable	7
60	10/16	10008002	165	135	4 x 19	21	movable	8
65	10/16	10008003	165	145	4 x 19	21	movable	9
80	10/16	10008004	165	160	8 x 19	21	movable	10
100	10/16	10008005	180	180	8 x 19	21	movable	12
125	10/16	10008006	200	210	8 x 19	21	movable	16
150	10/16	10008007	220	240	8 x 23	21	movable	20
200	10/16	10008008	260	295	8 - 12 x 23	22	movable	29
250	10	10008009	350	350	12 x 23	26	movable	48
250	16	10008010	350	355	12 x 28	26	movable	48
300	10	10008011	400	400	12 x 23	32	movable	72
300	16	10008012	400	410	12 x 28	32	movable	72
350	10	10008013	450	460	16 x 23	36	movable	101
350	16	10008014	450	470	16 x 28	36	movable	101
400	10	10008015	500	515	16 x 28	38	movable	126
400	16	10008016	500	525	16 x 31	38	movable	130
450	10	10008021	550	565	20 x 28	38	movable	156
450	16	10008022	550	585	20 x 31	38	movable	165
500	10	10008017	600	620	20 x 28	40	movable	193
500	16	10008018	600	650	20 x 34	40	movable	215

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DOUBLE FLANGED 90° BEND

11.2000

Flanged fittings

DN 40 - 1000 PN10/16



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
600	10	10008019	700	725	20 x 31	46	movable	325
600	16	10008020	700	770	20 x 37	46	movable	345
700	10	10142150	800	840	24 x 31	32.5	fixed	544
700	16	10142152	800	840	24 x 37	39.5	fixed	-
800	10	10142160	900	950	24 x 34	35	fixed	716
800	16	10142162	900	950	24 x 41	43	fixed	805
900	10	10142170	1000	1050	28 x 34	37.5	fixed	865
900	16	10142172	1000	1050	28 x 41	46.5	fixed	-
1000	10	10142180	1100	1160	28 x 37	40	fixed	1100
1000	16	10142182	1100	1170	28 x 44	50	fixed	-



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DOUBLE FLANGED 45° BEND

11.2001

Flanged fittings

DN 40 - 1000 PN10/16



Product description

- Double flanged 45° bend for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



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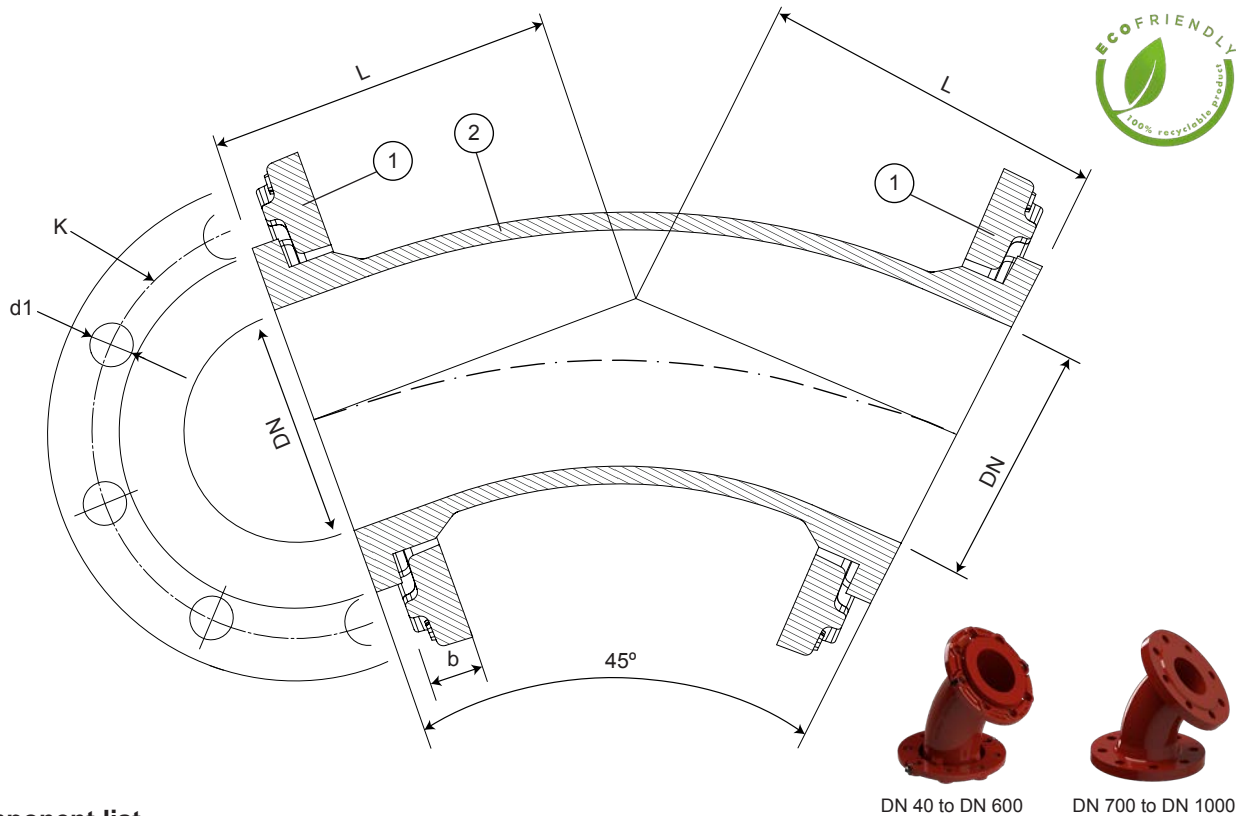
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DOUBLE FLANGED 45° BEND

Flanged fittings

DN 40 - 1000 PN10/16

11.2001



DN 40 to DN 600

DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40	10/16/25	10008400	78	110	4 x 19	21	movable	5
50	10/16	10008401	86	125	4 x 19	21	movable	6
60	10/16	10008402	92	135	4 x 19	21	movable	7
65	10/16	10008403	92	145	4 x 19	21	movable	7
80	10/16	10008404	130	160	8 x 19	21	movable	9
100	10/16	10008405	140	180	8 x 19	21	movable	11
125	10/16	10008406	150	210	8 x 19	21	movable	15
150	10/16	10008407	160	240	8 x 23	21	movable	18
200	10/16	10008408	180	295	8 - 12 x 23	22	movable	26
250	10	10008409	245	350	12 x 23	26	movable	47
250	16	10008410	245	355	12 x 28	26	movable	47
300	10	10008411	275	400	12 x 23	32	movable	63
300	16	10008412	275	410	12 x 28	32	movable	64
350	10	10008413	300	460	16 x 23	36	movable	83
350	16	10008414	300	470	16 x 28	36	movable	86
400	10	10008415	325	515	16 x 28	38	movable	110
400	16	10008416	325	525	16 x 31	38	movable	112
450	10	10008421	350	565	20 x 28	38	movable	130
450	16	10008422	350	585	20 x 31	38	movable	139
500	10	10008417	375	620	20 x 28	40	movable	157
500	16	10008418	375	650	20 x 34	40	movable	178

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DOUBLE FLANGED 45° BEND

Flanged fittings

DN 40 - 1000 PN10/16

11.2001



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
600	10	10008419	426	725	20 x 31	46	movable	230
600	16	10008420	426	770	20 x 37	46	movable	250
700	10	10115150	478	840	24 x 31	32.5	fixed	410
700	16	10115152	478	840	24 x 37	39.5	fixed	-
800	10	10115160	529	950	24 x 34	35	fixed	566
800	16	10115162	529	950	24 x 41	43	fixed	-
900	10	10115170	581	1050	28 x 34	37.5	fixed	656
900	16	10115172	581	1050	28 x 41	46.5	fixed	-
1000	10	10145180	632	1160	28 x 37	40	fixed	920
1000	16	10145182	632	1170	28 x 44	50	fixed	-



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Flanged fittings

DN 50 - 1000 PN10/16



Product description

- Double flanged 22° 30' bend for waste water

Standards

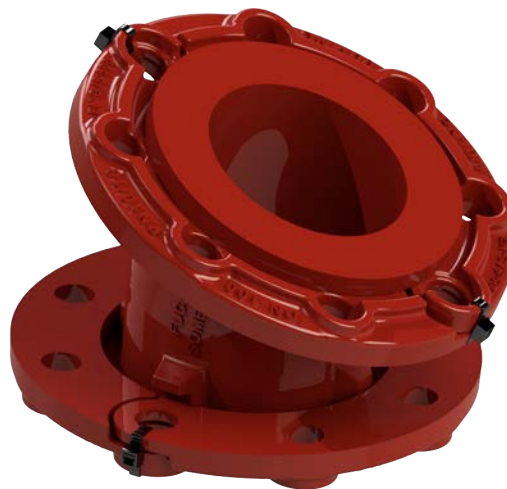
- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



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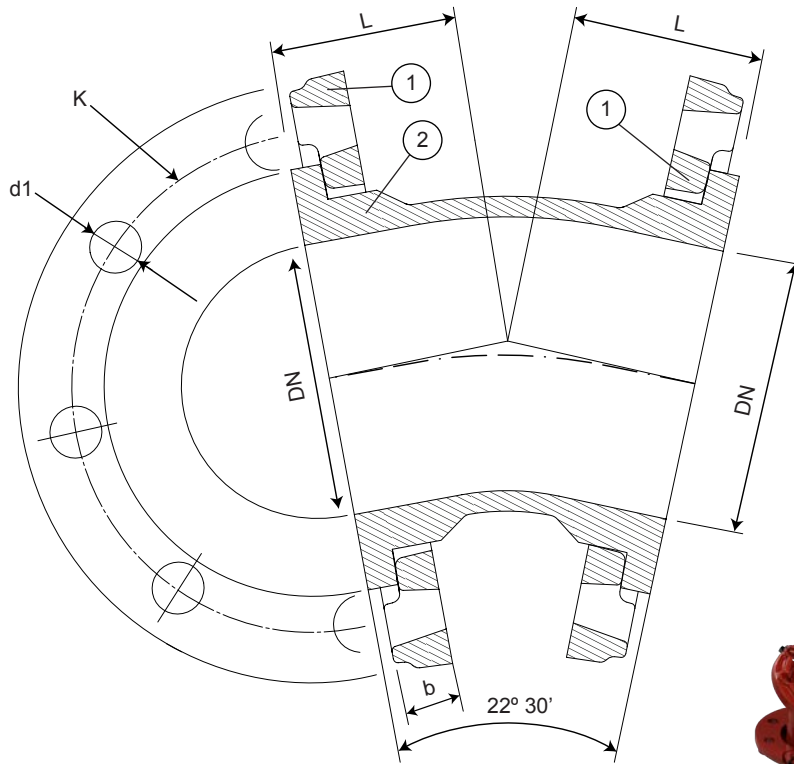
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DOUBLE FLANGED 22° 30' BEND

Flanged fittings

DN 50 - 1000 PN10/16

11.2002



DN 40 to DN 600

DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
50	10/16	10008801	65	125	4 x 19	21	movable	6
60	10/16	10008802	65	135	4 x 19	21	movable	7
65	10/16	10008803	65	145	4 x 19	21	movable	7
80	10/16	10008804	65	160	8 x 19	21	movable	8
100	10/16	10008805	68	180	8 x 19	21	movable	9
125	10/16	10008806	75	210	8 x 19	21	movable	12
150	10/16	10008807	80	240	8 x 23	21	movable	15
200	10/16	10008808	87	295	8 - 12 x 23	22	movable	20
250	10	10008809	110	350	12 x 23	26	movable	32
250	16	10008810	110	355	12 x 28	26	movable	32
300	10	10008811	123	400	12 x 23	32	movable	44
300	16	10008812	123	410	12 x 28	32	movable	44
350	10	10008813	140	460	16 x 23	36	movable	58
350	16	10008814	140	470	16 x 28	36	movable	61
400	10	10008815	150	515	16 x 28	38	movable	71
400	16	10008816	150	525	16 x 31	38	movable	75
450	10	10008821	170	565	20 x 28	38	movable	90
450	16	10008822	170	585	20 x 31	38	movable	99
500	10	10008817	180	620	20 x 28	40	movable	110
500	16	10008818	180	650	20 x 34	40	movable	128
600	10	10008819	205	725	20 x 31	46	movable	154

continued on next page

DOUBLE FLANGED 22° 30' BEND

11.2002

Flanged fittings

DN 50 - 1000 PN10/16



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
600	16	10008820	205	770	20 x 37	46	movable	174
700	10	10148150	245	840	24 x 31	32.5	fixed	280
700	16	10148152	245	840	24 x 37	39.5	fixed	-
800	10	10148160	275	950	24 x 34	35	fixed	396
800	16	10148162	275	950	24 x 41	43	fixed	-
900	10	10148170	300	1050	28 x 34	37.5	fixed	448
900	16	10148172	300	1050	28 x 41	46.5	fixed	-
1000	10	10148180	327	1160	28 x 37	40	fixed	580
1000	16	10148182	327	1170	28 x 44	50	fixed	-



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Flanged fittings

DN 50 - 1000 PN10/16



Product description

- Double flanged 11° 15' bend for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



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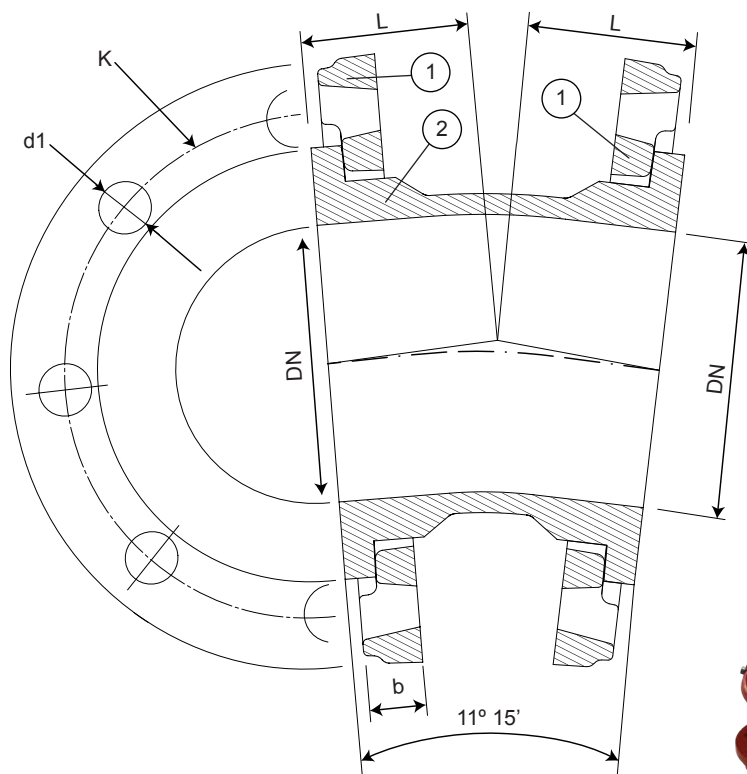
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DOUBLE FLANGED 11° 15' BEND

Flanged fittings

DN 50 - 1000 PN10/16

11.2003



DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
50	10/16	10008601	57	125	4 x 19	21	movable	6
60	10/16	10008602	57	135	4 x 19	21	movable	6
65	10/16	10008603	57	145	4 x 19	21	movable	6
80	10/16	10008604	57	160	8 x 19	21	movable	7
100	10/16	10008605	60	180	8 x 19	21	movable	9
125	10/16	10008606	63	210	8 x 19	21	movable	11
150	10/16	10008607	68	240	8 x 23	21	movable	14
200	10/16	10008608	71	295	8 - 12 x 23	22	movable	18
250	10	10008609	84	350	12 x 23	26	movable	29
250	16	10008610	84	355	12 x 28	26	movable	29
300	10	10008611	95	400	12 x 23	32	movable	41
300	16	10008612	95	410	12 x 28	32	movable	41
350	10	10008613	110	460	16 x 23	36	movable	53
350	16	10008614	110	470	16 x 28	36	movable	58
400	10	10008615	120	515	16 x 28	38	movable	68
400	16	10008616	120	525	16 x 31	38	movable	74
450	10	10008621	125	565	20 x 28	38	movable	80
450	16	10008622	125	585	20 x 31	38	movable	89
500	10	10008617	130	620	20 x 28	40	movable	102
500	16	10008618	130	650	20 x 34	40	movable	120
600	10	10008619	150	725	20 x 31	46	movable	134

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DOUBLE FLANGED 11° 15' BEND

11.2003

Flanged fittings

DN 50 - 1000 PN10/16



continued from previous page

DN	PN	code	L mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
600	16	10008620	150	770	20 x 37	46	movable	154
700	10	10151150	175	840	24 x 31	32.5	fixed	228
700	16	10151152	175	840	24 x 37	39.5	fixed	-
800	10	10151160	190	950	24 x 34	35	fixed	262
800	16	10151162	190	950	24 x 41	43	fixed	302
900	10	10151170	213	1050	28 x 34	37.5	fixed	366
900	16	10151172	213	1050	28 x 41	46.5	fixed	-
1000	10	10151180	230	1160	28 x 37	40	fixed	410
1000	16	10151182	230	1170	28 x 44	50	fixed	-



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Flanged fittings

DN 50 - 1000 PN10/16

**Product description**

- Double flanged taper for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.

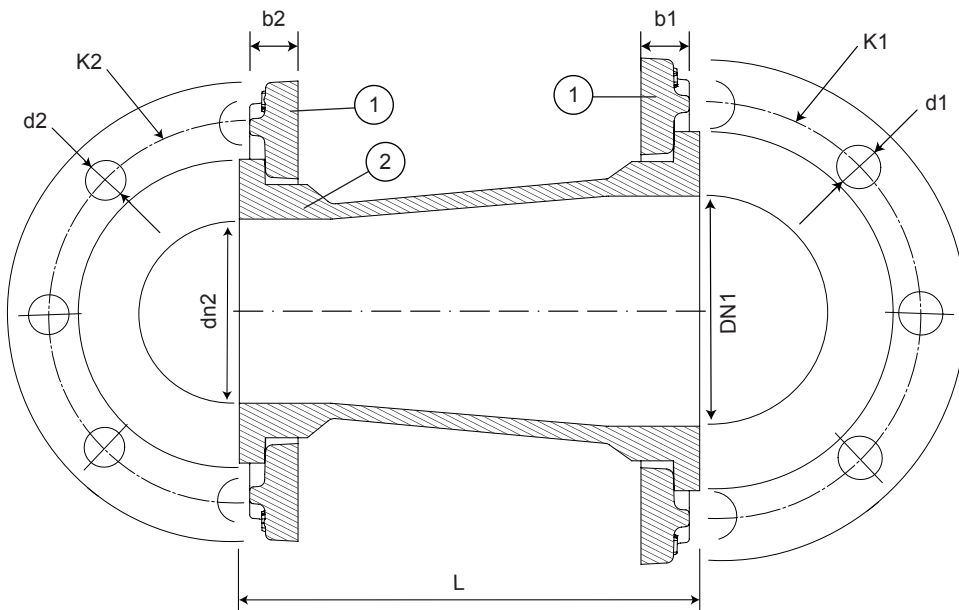
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DOUBLE FLANGED TAPER

Flanged fittings

DN 50 - 1000 PN10/16

11.2100



DN 50 a DN 600



DN 700 a DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN1 x dn2	PN	code	L	K1	n° x d1	b1	K2	n° x d2	b2	Flange	Kg
			mm	mm	mm	mm	mm	mm	mm	movable / fixed	approx.
50 x 40	10/16	10038001	150	125	4 x 19	21	110	4 x 19	21	movable	5
60 x 40	10/16	10038002	190	135	4 x 19	21	110	4 x 19	21	movable	6
60 x 50	10/16	10038003	190	135	4 x 19	21	125	4 x 19	21	movable	7
65 x 40	10/16	10038004	190	145	4 x 19	21	110	4 x 19	21	movable	6
65 x 50	10/16	10038005	190	145	4 x 19	21	125	4 x 19	21	movable	7
80 x 40	10/16	10038006	185	160	8 x 19	21	110	4 x 19	21	movable	7
80 x 50	10/16	10038007	185	160	8 x 19	21	125	4 x 19	21	movable	7
80 x 60	10/16	10038009	190	160	8 x 19	21	135	4 x 19	21	movable	8
80 x 65	10/16	10038010	190	160	8 x 19	21	145	8 x 19	21	movable	8
100 x 40	10/16	10038011	195	180	8 x 19	21	110	4 x 19	21	movable	7
100 x 50	10/16	10038012	195	180	8 x 19	21	125	4 x 19	21	movable	8
100 x 60	10/16	10038013	195	180	8 x 19	21	135	4 x 19	21	movable	8
100 x 65	10/16	10038014	195	180	8 x 19	21	145	4 x 19	21	movable	9
100 x 80	10/16	10038015	200	180	8 x 19	21	160	8 x 19	21	movable	9
125 x 40	10/16	10038016	185	210	8 x 19	21	110	4 x 19	21	movable	8
125 x 50	10/16	10038017	185	210	8 x 19	21	125	4 x 19	21	movable	9
125 x 60	10/16	10038018	185	210	8 x 19	21	135	4 x 19	21	movable	9
125 x 65	10/16	10038019	185	210	8 x 19	21	145	4 x 19	21	movable	10
125 x 80	10/16	10038020	185	210	8 x 19	21	160	8 x 19	21	movable	10
125 x 100	10/16	10038021	185	210	8 x 19	21	180	8 x 19	21	movable	11
150 x 40	10/16	10038022	190	240	8 x 23	21	110	4 x 19	21	movable	11
150 x 50	10/16	10038023	190	240	8 x 23	21	125	4 x 19	21	movable	11
150 x 60	10/16	10038024	190	240	8 x 23	21	135	4 x 19	21	movable	11
150 x 65	10/16	10038025	190	240	8 x 23	21	145	4 x 19	21	movable	12
150 x 80	10/16	10038026	190	240	8 x 23	21	160	8 x 19	21	movable	11
150 x 100	10/16	10038027	190	240	8 x 23	21	180	8 x 19	21	movable	12

continued on next page

DOUBLE FLANGED TAPER

11.2100

Flanged fittings

DN 50 - 1000 PN10/16



continued from previous page

Reference and dimensions

DN1 x dn2	PN	code	L mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
150 x 125	10/16	10038028	190	240	8 x 23	21	210	8 x 19	21	movable	14
200 x 80	10/16	10038031	235	295	8 - 12 x 23	22	160	8 x 19	21	movable	15
200 x 100	10/16	10038029	235	295	8 - 12 x 23	22	180	8 x 19	21	movable	16
200 x 125	10/16	10038030	235	295	8 - 12 x 23	22	210	8 x 19	21	movable	17
200 x 150	10/16	10038036	235	295	8 - 12 x 23	22	240	8 x 23	21	movable	19
250 x 80	10	10038037	250	350	12 x 23	26	160	8 x 19	21	movable	17
250 x 80	16	10038043	250	355	12 x 28	26	160	8 x 19	21	movable	17
250 x 100	10	10038032	250	350	12 x 23	26	180	8 x 19	21	movable	22
250 x 100	16	10038033	250	355	12 x 28	26	180	8 x 19	21	movable	22
250 x 125	10	10038034	250	350	12 x 23	26	210	8 x 19	21	movable	24
250 x 125	16	10038035	250	355	12 x 28	26	210	8 x 19	21	movable	24
250 x 150	10	10038040	250	350	12 x 23	26	240	8 x 23	21	movable	25
250 x 150	16	10038041	250	355	12 x 28	26	240	8 x 23	21	movable	25
250 x 200	10	10038038	250	350	12 x 23	26	295	8 - 12 x 23	22	movable	27
250 x 200	16	10038039	250	355	12 x 28	26	295	8 - 12 x 23	22	movable	27
300 x 150	10	10038044	265	400	12 x 23	32	240	8 x 23	21	movable	31
300 x 150	16	10038045	265	410	12 x 28	32	240	8 x 23	21	movable	31
300 x 200	10	10038046	265	400	12 x 23	32	295	8 - 12 x 23	22	movable	34
300 x 200	16	10038047	265	410	12 x 28	32	295	8 - 12 x 23	22	movable	34
300 x 250	10	10038048	265	400	12 x 23	32	350	12 x 23	26	movable	39
300 x 250	16	10038049	265	410	12 x 28	32	355	12 x 28	26	movable	39
350 x 200	10	10038054	290	460	16 x 23	36	295	8 - 12 x 23	22	movable	40
350 x 200	16	10038055	290	470	16 x 28	36	295	8 - 12 x 23	22	movable	40
350 x 250	10	10038056	290	460	16 x 23	36	350	12 x 23	26	movable	46
350 x 250	16	10038057	290	470	16 x 28	36	355	12 x 28	26	movable	46
350 x 300	10	10038058	290	460	16 x 23	36	400	12 x 23	32	movable	54
350 x 300	16	10038059	290	470	16 x 28	36	410	12 x 28	32	movable	56
400 x 200	10	10038062	300	515	16 x 28	38	295	8 - 12 x 23	22	movable	51
400 x 200	16	10038063	300	525	16 x 31	38	295	8 - 12 x 23	22	movable	53
400 x 250	10	10038064	300	515	16 x 28	38	350	12 x 23	26	movable	53
400 x 250	16	10038065	300	525	16 x 31	38	355	12 x 28	26	movable	58
400 x 300	10	10038066	300	515	16 x 28	38	400	12 x 23	32	movable	60
400 x 300	16	10038067	300	525	16 x 31	38	410	12 x 28	32	movable	63
400 x 350	10	10038068	300	515	16 x 28	38	460	16 x 23	36	movable	67
400 x 350	16	10038069	300	525	16 x 31	38	470	16 x 28	36	movable	69
450 x 300	10	10038070	300	565	20 x 28	38	400	12 x 23	32	movable	71
450 x 300	16	10038071	300	585	20 x 31	38	410	12 x 28	32	movable	80
450 x 400	10	10038072	300	565	20 x 28	38	515	16 x 28	38	movable	78
450 x 400	16	10038073	300	585	20 x 31	38	525	16 x 31	38	movable	85
500 x 250	10	10038074	600	620	20 x 28	40	350	12 x 23	26	movable	98
500 x 250	16	10038075	600	650	20 x 34	40	355	12 x 28	26	movable	107
500 x 300	10	10038081	600	620	20 x 28	40	400	12 x 23	32	movable	98
500 x 300	16	10038082	600	650	20 x 34	40	410	12 x 28	32	movable	122
500 x 350	10	10038076	600	620	20 x 28	40	460	16 x 23	36	movable	119
500 x 350	16	10038077	600	650	20 x 34	40	470	16 x 28	36	movable	121
500 x 400	10	10038078	600	620	20 x 28	40	515	16 x 28	38	movable	121
500 x 400	16	10038079	600	650	20 x 34	40	525	16 x 31	38	movable	123
500 x 450	10	10038088	600	620	20 x 28	40	565	20 x 28	38	movable	135

continued on next page

DOUBLE FLANGED TAPER

Flanged fittings

DN 50 - 1000 PN10/16

11.2100



continued from previous page

Reference and dimensions

DN1 x dn2	PN	code	L mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
500 x 450	16	10038089	600	650	20 x 34	40	585	20 x 31	38	movable	147
600 x 400	10	10038084	600	725	20 x 31	46	515	16 x 28	38	movable	142
600 x 400	16	10038085	600	770	20 x 37	46	525	16 x 31	38	movable	158
600 x 500	10	10038086	600	725	20 x 31	46	620	20 x 28	40	movable	162
600 x 500	16	10038087	600	770	20 x 37	46	650	20 x 34	40	movable	189
700 x 300	10	10108298	600	840	24 x 31	32.5	400	12 x 23	24.5	fixed	250
700 x 300	16	10108289	600	840	24 x 37	39.5	410	12 x 28	24.5	fixed	270
700 x 500	10	10108302	600	840	24 x 31	32.5	620	20 x 28	26.5	fixed	257
700 x 500	16	10108402	600	840	24 x 37	39.5	650	20 x 34	31.5	fixed	270
700 x 600	10	10108303	600	840	24 x 31	32.5	725	20 x 31	30	fixed	340
700 x 600	16	10108403	600	840	24 x 37	39.5	770	20 x 37	36	fixed	-
800 x 500	10	10108332	600	950	24 x 34	35	620	20 x 28	26.5	fixed	270
800 x 500	16	10108432	600	950	24 x 41	43	650	20 x 34	31.5	fixed	320
800 x 600	10	10108333	600	950	24 x 34	35	725	20 x 31	30	fixed	281
800 x 600	16	10108433	600	950	24 x 41	43	770	20 x 37	36	fixed	360
800 x 700	10	10108334	600	950	24 x 34	35	840	24 x 31	32.5	fixed	363
800 x 700	16	10108434	600	950	24 x 41	43	840	24 x 37	39.5	fixed	-
900 x 700	10	10108364	600	1050	28 x 34	37.5	840	24 x 31	32.5	fixed	395
900 x 700	16	10108464	600	1050	28 x 41	46.5	840	24 x 37	39.5	fixed	440
900 x 800	10	10108365	600	1050	28 x 34	37.5	950	24 x 34	35	fixed	425
900 x 800	16	10108365	600	1050	28 x 41	46.5	950	24 x 41	43	fixed	-
1000 x 800	10	10108395	600	1160	28 x 37	40	950	24 x 34	35	fixed	460
1000 x 800	16	10108495	600	1170	28 x 44	50	950	24 x 41	43	fixed	-
1000 x 900	10	10108396	600	1160	28 x 37	40	1050	28 x 34	37.5	fixed	500
1000 x 900	16	10108496	600	1170	28 x 44	50	1050	28 x 41	46.5	fixed	-



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Product description

- All flanged tee for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



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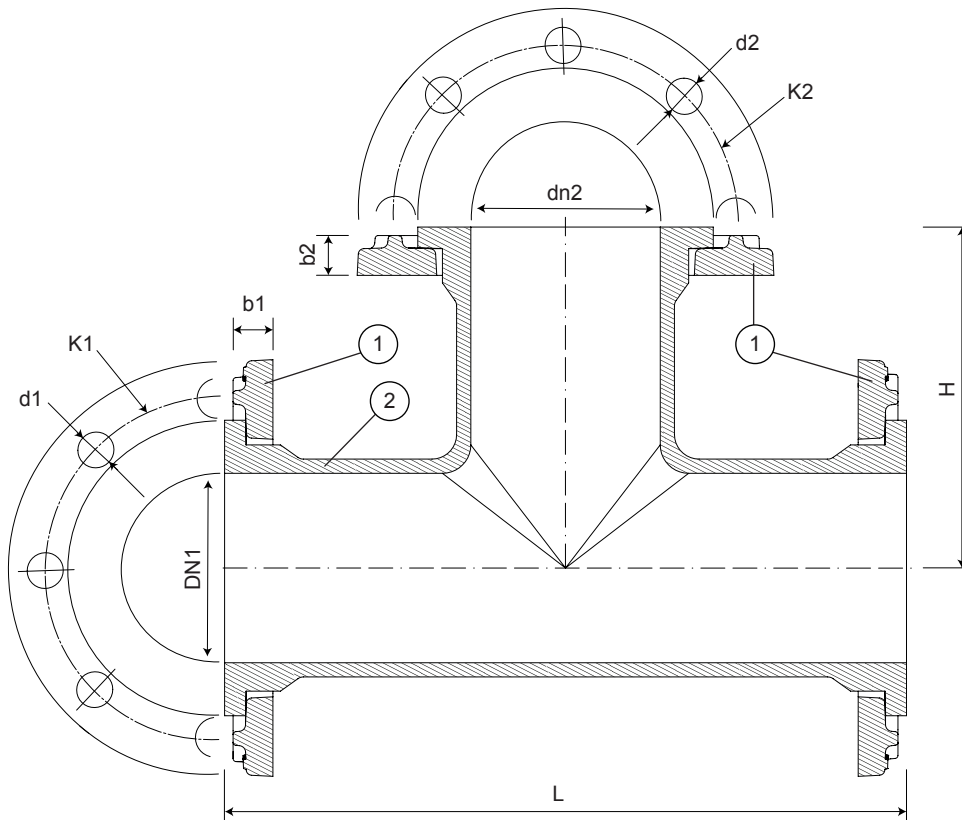
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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16

11.2200



DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
40 x 40	10/16	10028001	255	130	110	4 x 19	21	110	4 x 19	21	movable	8
50 x 40	10/16	10028002	280	130	125	4 x 19	21	110	4 x 19	21	movable	10
50 x 50	10/16	10028003	280	140	125	4 x 19	21	125	4 x 19	21	movable	10
60 x 40	10/16	10028004	305	130	135	4 x 19	21	110	4 x 19	21	movable	11
60 x 50	10/16	10028005	305	150	135	4 x 19	21	125	4 x 19	21	movable	11
60 x 60	10/16	10028006	305	150	135	4 x 19	21	135	4 x 19	21	movable	11
65 x 40	10/16	10028007	305	130	145	4 x 19	21	110	4 x 19	21	movable	11
65 x 50	10/16	10028008	305	150	145	4 x 19	21	125	4 x 19	21	movable	12
65 x 60	10/16	10028009	305	150	145	4 x 19	21	135	4 x 19	21	movable	12
65 x 65	10/16	10028010	305	150	145	4 x 19	21	145	4 x 19	21	movable	12
80 x 40	10/16	10028011	310	135	160	8 x 19	21	110	4 x 19	21	movable	13
80 x 50	10/16	10028012	310	155	160	8 x 19	21	125	4 x 19	21	movable	13
80 x 60	10/16	10028013	310	155	160	8 x 19	21	135	4 x 19	21	movable	13
80 x 65	10/16	10028014	310	155	160	8 x 19	21	145	4 x 19	21	movable	14
80 x 80	10/16	10028015	330	165	160	8 x 19	21	160	8 x 19	21	movable	15
100 x 40	10/16	10028016	320	145	180	8 x 19	21	110	4 x 19	21	movable	15
100 x 50	10/16	10028017	320	165	180	8 x 19	21	125	4 x 19	21	movable	16
100 x 60	10/16	10028018	320	165	180	8 x 19	21	135	4 x 19	21	movable	16
100 x 65	10/16	10028019	320	165	180	8 x 19	21	145	4 x 19	21	movable	17
100 x 80	10/16	10028020	330	170	180	8 x 19	21	160	8 x 19	21	movable	18

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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16

11.2200



continued from previous page

Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
100 x 100	10/16	10028021	360	180	180	8 x 19	21	180	8 x 19	21	movable	18
125 x 40	10/16	10028022	330	160	210	8 x 19	21	110	4 x 19	21	movable	17
125 x 50	10/16	10028023	330	180	210	8 x 19	21	125	4 x 19	21	movable	18
125 x 60	10/16	10028024	330	180	210	8 x 19	21	135	4 x 19	21	movable	19
125 x 65	10/16	10028025	330	180	210	8 x 19	21	145	4 x 19	21	movable	19
125 x 80	10/16	10028026	350	185	210	8 x 19	21	160	8 x 19	21	movable	19
125 x 100	10/16	10028027	370	195	210	8 x 19	21	180	8 x 19	21	movable	21
125 x 125	10/16	10028028	400	200	210	8 x 19	21	210	8 x 19	21	movable	23
150 x 40	10/16	10028029	340	170	240	8 x 23	21	110	4 x 19	21	movable	23
150 x 50	10/16	10028030	340	190	240	8 x 23	21	125	4 x 19	21	movable	23
150 x 60	10/16	10028031	340	190	240	8 x 23	21	135	4 x 19	21	movable	24
150 x 65	10/16	10028032	340	190	240	8 x 23	21	145	4 x 19	21	movable	24
150 x 80	10/16	10028033	360	200	240	8 x 23	21	160	8 x 19	21	movable	25
150 x 100	10/16	10028034	380	205	240	8 x 23	21	180	8 x 19	21	movable	26
150 x 125	10/16	10028035	410	215	240	8 x 23	21	210	8 x 19	21	movable	27
150 x 150	10/16	10028036	440	220	240	8 x 23	21	240	8 x 23	21	movable	30
175 x 80	10/16	10028240	480	215	270	8 x 23	21	160	8 x 19	21	movable	30
175 x 100	10/16	10028241	480	215	270	8 x 23	21	180	8 x 19	21	movable	31
175 x 125	10/16	10028242	480	240	270	8 x 23	21	210	8 x 19	21	movable	33
175 x 150	10/16	10028243	480	240	270	8 x 23	21	240	8 x 23	21	movable	35
175 x 175	10/16	10028244	480	240	270	8 x 23	21	270	8 x 23	21	movable	36
200 x 50	10/16	10028038	365	195	295	8 - 12 x 23	22	125	4 x 19	21	movable	30
200 x 60	10/16	10028039	365	215	295	8 - 12 x 23	22	135	4 x 19	21	movable	30
200 x 65	10/16	10028040	365	215	295	8 - 12 x 23	22	145	4 x 19	21	movable	31
200 x 80	10/16	10028041	380	225	295	8 - 12 x 23	22	160	8 x 19	21	movable	32
200 x 100	10/16	10028042	400	230	295	8 - 12 x 23	22	180	8 x 19	21	movable	34
200 x 125	10/16	10028043	435	240	295	8 - 12 x 23	22	210	8 x 19	21	movable	36
200 x 150	10/16	10028044	460	245	295	8 - 12 x 23	22	240	8 x 23	21	movable	41
200 x 175	10/16	10028245	520	260	295	8 - 12 x 23	22	270	8 x 23	21	movable	42
200 x 200	10/16	10028045	520	260	295	8 - 12 x 23	22	295	8 - 12 x 23	22	movable	44
250 x 50	10	10028048	385	260	350	12 x 23	26	125	4 x 19	21	movable	43
250 x 50	16	10028049	385	260	355	12 x 28	26	125	4 x 19	21	movable	43
250 x 60	10	10028050	385	260	350	12 x 23	26	135	4 x 19	21	movable	43
250 x 60	16	10028051	385	260	355	12 x 28	26	135	4 x 19	21	movable	43
250 x 65	10	10028052	385	260	350	12 x 23	26	145	4 x 19	21	movable	44
250 x 65	16	10028053	385	260	355	12 x 28	26	145	4 x 19	21	movable	44
250 x 80	10	10028054	405	265	350	12 x 23	26	160	8 x 19	21	movable	47
250 x 80	16	10028055	405	265	355	12 x 28	26	160	8 x 19	21	movable	47
250 x 100	10	10028056	425	270	350	12 x 23	26	180	8 x 19	21	movable	47
250 x 100	16	10028057	425	270	355	12 x 28	26	180	8 x 19	21	movable	48
250 x 125	10	10028058	485	280	350	12 x 23	26	210	8 x 19	21	movable	50
250 x 125	16	10028059	485	280	355	12 x 28	26	210	8 x 19	21	movable	50
250 x 150	10	10028060	485	280	350	12 x 23	26	240	8 x 23	21	movable	52
250 x 150	16	10028061	485	280	355	12 x 28	26	240	8 x 23	21	movable	52
250 x 200	10	10028062	540	290	350	12 x 23	26	295	8 - 12 x 23	22	movable	57
250 x 200	16	10028063	540	290	355	12 x 28	26	295	8 - 12 x 23	22	movable	57
250 x 250	10	10028500	600	300	350	12 x 23	26	350	12 x 23	26	movable	68
250 x 250	16	10028065	600	300	355	12 x 28	26	355	12 x 28	26	movable	68

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ALL FLANGED TEE
Flanged fittings
 DN 40 - 1000 PN10/16

11.2200



continued from previous page

Reference and dimensions

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
300 x 50	10	10028068	405	290	400	12 x 23	32	125	4 x 19	21	movable	57
300 x 50	16	10028069	405	290	410	12 x 28	32	125	4 x 19	21	movable	57
300 x 60	10	10028070	405	290	400	12 x 23	32	135	4 x 19	21	movable	57
300 x 60	16	10028071	405	290	410	12 x 28	32	135	4 x 19	21	movable	57
300 x 65	10	10028072	405	290	400	12 x 23	32	145	4 x 19	21	movable	57
300 x 65	16	10028073	405	290	410	12 x 28	32	145	4 x 19	21	movable	57
300 x 80	10	10028074	425	295	400	12 x 23	32	160	8 x 19	21	movable	59
300 x 80	16	10028075	425	295	410	12 x 28	32	160	8 x 19	21	movable	59
300 x 100	10	10028076	450	300	400	12 x 23	32	180	8 x 19	21	movable	62
300 x 100	16	10028077	450	300	410	12 x 28	32	180	8 x 19	21	movable	62
300 x 125	10	10028078	505	310	400	12 x 23	32	210	8 x 19	21	movable	64
300 x 125	16	10028079	505	310	410	12 x 28	32	210	8 x 19	21	movable	64
300 x 150	10	10028080	505	310	400	12 x 23	32	240	8 x 23	21	movable	69
300 x 150	16	10028081	505	310	410	12 x 28	32	240	8 x 23	21	movable	69
300 x 200	10	10028082	565	320	400	12 x 23	32	295	8 - 12 x 23	22	movable	74
300 x 200	16	10028083	565	320	410	12 x 28	32	295	8 - 12 x 23	22	movable	74
300 x 250	10	10028084	620	330	400	12 x 23	32	350	12 x 23	26	movable	86
300 x 250	16	10028085	620	330	410	12 x 28	32	355	12 x 28	26	movable	86
300 x 300	10	10028086	680	340	400	12 x 23	32	400	12 x 23	32	movable	97
300 x 300	16	10028087	680	340	410	12 x 28	32	410	12 x 28	32	movable	97
350 x 80	10	10028096	445	325	460	16 x 23	36	160	8 x 19	21	movable	66
350 x 80	16	10028097	445	325	470	16 x 28	36	160	8 x 19	21	movable	69
350 x 100	10	10028098	470	330	460	16 x 23	36	180	8 x 19	21	movable	67
350 x 100	16	10028099	470	330	470	16 x 28	36	180	8 x 19	21	movable	70
350 x 125	10	10028100	530	340	460	16 x 23	36	210	8 x 19	21	movable	73
350 x 125	16	10028101	530	340	470	16 x 28	36	210	8 x 19	21	movable	76
350 x 150	10	10028102	530	340	460	16 x 23	36	240	8 x 23	21	movable	83
350 x 150	16	10028103	530	340	470	16 x 28	36	240	8 x 23	21	movable	86
350 x 200	10	10028104	585	350	460	16 x 23	36	295	8 - 12 x 23	22	movable	95
350 x 200	16	10028105	585	350	470	16 x 28	36	295	8 - 12 x 23	22	movable	96
350 x 250	10	10028106	645	360	460	16 x 23	36	350	12 x 23	26	movable	99
350 x 250	16	10028107	645	360	470	16 x 28	36	355	12 x 28	26	movable	102
350 x 300	10	10028108	760	380	460	16 x 23	36	400	12 x 23	32	movable	118
350 x 300	16	10028109	760	380	470	16 x 28	36	410	12 x 28	32	movable	121
350 x 350	10	10028110	760	380	460	16 x 23	36	460	16 x 23	36	movable	130
350 x 350	16	10028111	760	380	470	16 x 28	36	470	16 x 28	36	movable	133
400 x 80	10	10028120	470	335	515	16 x 28	38	160	8 x 19	21	movable	93
400 x 80	16	10028121	470	335	525	16 x 31	38	160	8 x 19	21	movable	99
400 x 100	10	10028122	490	360	515	16 x 28	38	180	8 x 19	21	movable	94
400 x 100	16	10028123	490	360	525	16 x 31	38	180	8 x 19	21	movable	100
400 x 125	10	10028124	550	370	515	16 x 28	38	210	8 x 19	21	movable	100
400 x 125	16	10028125	550	370	525	16 x 31	38	210	8 x 19	21	movable	106
400 x 150	10	10028126	550	370	515	16 x 28	38	240	8 x 23	21	movable	102
400 x 150	16	10028127	550	370	525	16 x 31	38	240	8 x 23	21	movable	109
400 x 200	10	10028128	610	380	515	16 x 28	38	295	8 - 12 x 23	22	movable	111
400 x 200	16	10028129	610	380	525	16 x 31	38	295	8 - 12 x 23	22	movable	117
400 x 250	10	10028130	665	390	515	16 x 28	38	350	12 x 23	26	movable	128
400 x 250	16	10028131	665	390	525	16 x 31	38	355	12 x 28	26	movable	133

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ALL FLANGED TEE

Flanged fittings

DN 40 - 1000 PN10/16

11.2200



continued from previous page

DN1 x dn2	PN	code	L mm	H mm	K1 mm	n° x d1 mm	b1 mm	K2 mm	n° x d2 mm	b2 mm	Flange movable / fixed	Kg approx.
400 x 300	10	10028132	725	400	515	16 x 28	38	400	12 x 23	32	movable	135
400 x 300	16	10028133	725	400	525	16 x 31	38	410	12 x 28	32	movable	142
400 x 350	10	10028134	840	420	515	16 x 28	38	460	16 x 23	36	movable	161
400 x 350	16	10028135	840	420	525	16 x 31	38	470	16 x 28	36	movable	170
400 x 400	10	10028136	840	420	515	16 x 28	38	515	16 x 28	38	movable	178
400 x 400	16	10028137	840	420	525	16 x 31	38	525	16 x 31	38	movable	182
450 x 450	10	10028346	920	460	565	20 x 28	38	565	20 x 28	38	movable	204
450 x 450	16	10028347	920	460	585	20 x 31	38	585	20 x 31	38	movable	218
500 x 100	10	10028148	535	420	620	20 x 28	40	180	8 x 19	21	movable	113
500 x 100	16	10028149	535	420	650	20 x 34	40	180	8 x 19	21	movable	127
500 x 150	10	10028152	650	440	620	20 x 28	40	240	8 x 23	21	movable	137
500 x 150	16	10028153	650	440	650	20 x 34	40	240	8 x 23	21	movable	151
500 x 200	10	10028154	650	440	620	20 x 28	40	295	8 - 12 x 23	22	movable	141
500 x 200	16	10028155	650	440	650	20 x 34	40	295	8 - 12 x 23	22	movable	155
500 x 250	10	10028156	885	480	620	20 x 28	40	350	12 x 23	26	movable	184
500 x 250	16	10028157	885	480	650	20 x 34	40	355	12 x 28	26	movable	198
500 x 300	10	10028158	885	480	620	20 x 28	40	400	12 x 23	32	movable	190
500 x 300	16	10028159	885	480	650	20 x 34	40	410	12 x 28	32	movable	204
500 x 350	10	10028160	885	480	620	20 x 28	40	460	16 x 23	36	movable	224
500 x 350	16	10028166	885	480	650	20 x 34	40	470	16 x 28	36	movable	241
500 x 400	10	10028162	885	480	620	20 x 28	40	515	16 x 28	38	movable	224
500 x 400	16	10028163	885	480	650	20 x 34	40	525	16 x 31	38	movable	244
500 x 500	10	10028164	1000	500	620	20 x 28	40	620	20 x 28	40	movable	261
500 x 500	16	10028165	1000	500	650	20 x 34	40	650	20 x 34	40	movable	285
600 x 100	10	10028176	700	500	725	20 x 31	46	180	8 x 19	21	movable	224
600 x 100	16	10028177	700	500	770	20 x 37	46	180	8 x 19	21	movable	255
600 x 150	10	10028180	700	500	725	20 x 31	46	240	8 x 23	21	movable	228
600 x 150	16	10028181	700	500	770	20 x 37	46	240	8 x 23	21	movable	259
600 x 200	10	10028182	700	500	725	20 x 31	46	295	8 - 12 x 23	22	movable	232
600 x 200	16	10028183	700	500	770	20 x 37	46	295	8 - 12 x 23	22	movable	263
600 x 250	10	10028184	930	540	725	20 x 31	46	350	12 x 23	26	movable	271
600 x 250	16	10028185	930	540	770	20 x 37	46	355	12 x 28	26	movable	302
600 x 300	10	10028186	930	540	725	20 x 31	46	400	12 x 23	32	movable	267
600 x 300	16	10028187	930	540	770	20 x 37	46	410	12 x 28	32	movable	308
600 x 400	10	10028190	930	540	725	20 x 31	46	515	16 x 28	38	movable	295
600 x 400	16	10028191	930	540	770	20 x 37	46	525	16 x 31	38	movable	325
600 x 500	10	10028192	1165	580	725	20 x 31	46	620	20 x 28	40	movable	342
600 x 500	16	10028193	1165	580	770	20 x 37	46	650	20 x 34	40	movable	372
600 x 600	10	10028194	1165	580	725	20 x 31	46	725	20 x 31	46	movable	450
600 x 600	16	10028195	1165	580	770	20 x 37	46	770	20 x 37	46	movable	-
700 x 700	10	10145000	1200	600	840	24 x 31	32.5	840	24 x 31	32.5	fixed	707
700 x 700	16	10145005	1200	600	840	24 x 37	39.5	840	24 x 37	39.5	fixed	-
800 x 800	10	10145125	1350	675	950	24 x 34	35	950	24 x 34	35	fixed	860
800 x 800	16	10145130	1350	675	950	24 x 41	43	950	24 x 41	43	fixed	-
900 x 900	10	10145250	1500	750	1050	28 x 34	37.5	1050	28 x 34	37.5	fixed	1100
900 x 900	16	10145255	1500	750	1050	28 x 41	46.5	1050	28 x 41	46.5	fixed	-
1000 x 1000	10	10145375	1650	825	1160	28 x 37	40	1160	28 x 37	40	fixed	1513
1000 x 1000	16	10145380	1650	825	1170	28 x 44	50	1170	28 x 44	50	fixed	-



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100% MADE IN EUROPE

Flanged fittings

DN 40 - 1000 PN10/16



Product description

- All flanged crosshead for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



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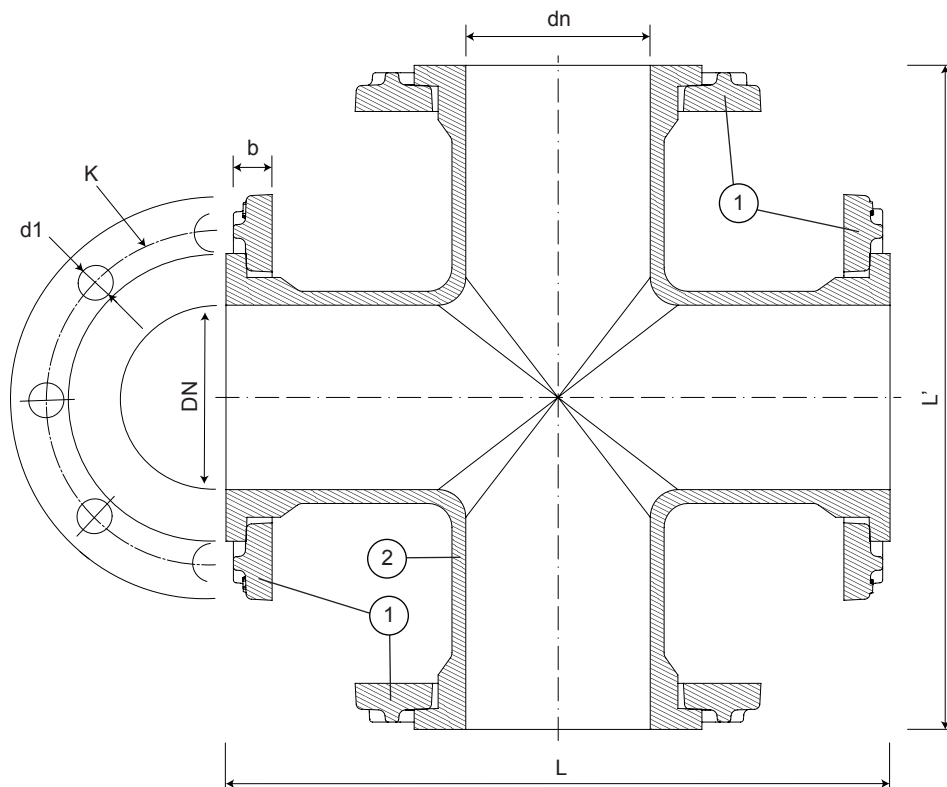
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ALL FLANGED CROSSHEAD

Flanged fittings

DN 40 - 1000 PN10/16

11.2300



DN 40 to DN 600



DN 700 to DN 1000

Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN x dn	PN	code	L mm	L' mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
40 x 40	10/16	10080016	255	255	110	4 x 19	21	movable	11
50 x 50	10/16	10080018	280	280	125	4 x 19	21	movable	13
60 x 60	10/16	10080021	305	300	135	4 x 19	21	movable	15
65 x 65	10/16	10080025	305	300	145	4 x 19	21	movable	16
80 x 80	10/16	10080030	330	330	160	8 x 19	21	movable	19
100 x 100	10/16	10080040	360	360	180	8 x 19	21	movable	23
125 x 125	10/16	10080047	400	400	210	8 x 19	21	movable	31
150 x 150	10/16	10080055	440	440	240	8 x 23	21	movable	37
200 x 200	10/16	10080064	520	520	295	8 - 12 x 23	22	movable	57
250 x 250	10	10080083	600	600	350	12 x 23	26	movable	81
250 x 250	16	10080084	600	600	355	12 x 28	26	movable	81
300 x 300	10	10080105	680	680	400	12 x 23	32	movable	118
300 x 300	16	10080106	680	680	410	12 x 28	32	movable	118
350 x 350	10	10080129	760	760	460	16 x 23	36	movable	158
350 x 350	16	10080130	760	760	470	16 x 28	36	movable	165
400 x 400	10	10080155	840	840	515	16 x 28	38	movable	208
400 x 400	16	10080156	840	840	525	16 x 31	38	movable	211
450 x 450	10	10080157	920	920	565	20 x 28	38	movable	280
450 x 450	16	10080158	920	920	585	20 x 31	38	movable	295
500 x 500	10	10080183	1000	1000	620	20 x 28	40	movable	360
500 x 500	16	10080184	1000	1000	650	20 x 34	40	movable	380

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ALL FLANGED CROSSHEAD

11.2300

Flanged fittings

DN 40 - 1000 PN10/16



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DN x dn	PN	code	L mm	L' mm	K mm	n° x d1 mm	b mm	Flange movable / fixed	Kg approx.
600 x 600	10	10080213	1165	1165	725	20 x 31	46	movable	510
600 x 600	16	10080214	1165	1165	770	20 x 37	46	movable	535
700 x 700	10	10109450	1200	1200	840	24 x 31	32.5	fixed	770
700 x 700	16	10109451	1200	1200	840	24 x 37	39.5	fixed	-
800 x 800	10	10109460	1350	1350	950	24 x 34	35	fixed	950
800 x 800	16	10109461	1350	1350	950	24 x 41	43	fixed	-
900 x 900	10	10109470	1500	1500	1050	28 x 34	37.5	fixed	1270
900 x 900	16	10109471	1500	1500	1050	28 x 41	46.5	fixed	-
1000 x 1000	10	10109480	1650	1650	1160	28 x 37	40	fixed	1500
1000 x 1000	16	10109481	1650	1650	1170	28 x 44	50	fixed	-



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Flanged fittings

DN 40 - 1200 PN10/16

**Product description**

- Flanged spigot connection for waste water

Standards

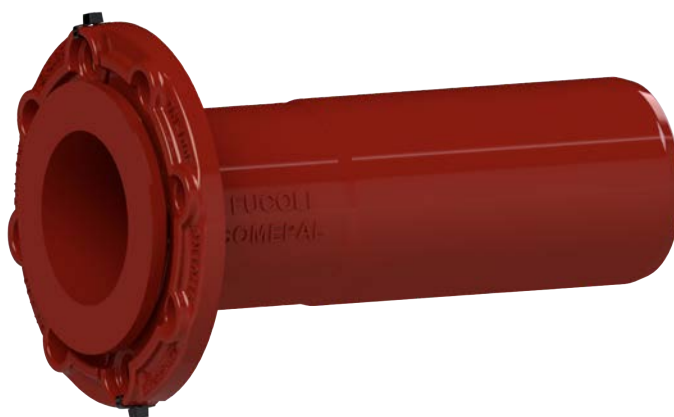
- Designed according to EN 545
- Flange drilling to EN 1092-2 PN10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Fitting for waste water
- Body and flange in ductile cast iron EN-GJS-500-7
- Fast and easy to install
- Accessory with movable flanges up to DN 600 (inclusive) and fixed flanges from DN 700
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.

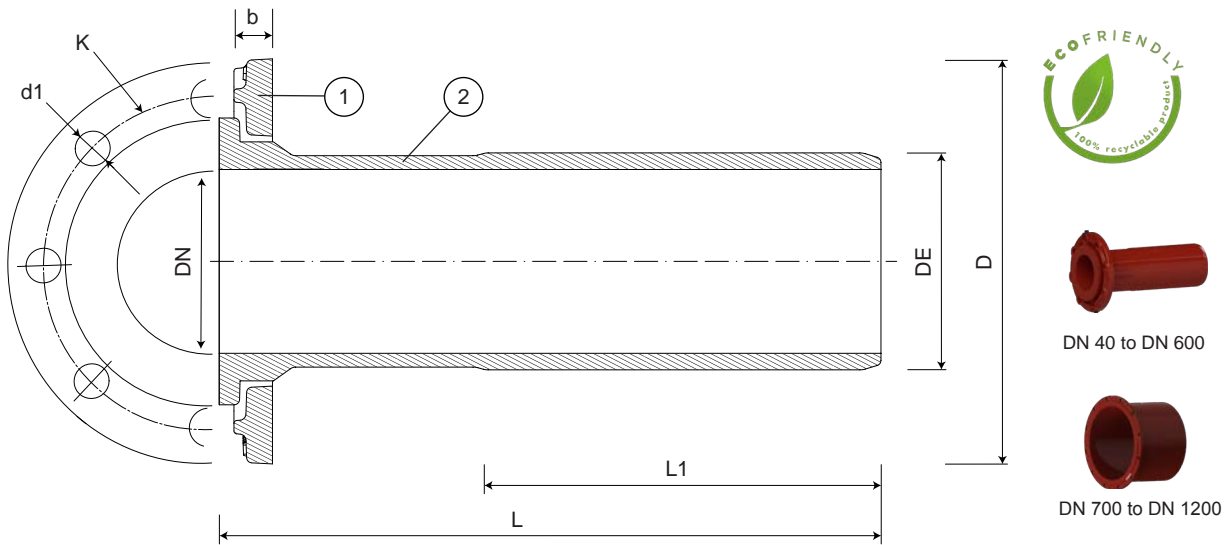
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FLANGED SPIGOT CONNECTION

11.2400

Flanged fittings

DN 40 - 1200 PN10/16



Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	DE	PN	code	L mm	L1 mm	K mm	n° x d1 mm	b mm	D mm	Flange movable / fixed	Kg approx.
40	56	10/16	10092010	335	200	110	4 x 19	21	150	movable	5
50	66	10/16	10092020	340	200	125	4 x 19	21	165	movable	6
60	77	10/16	10092030	345	200	135	4 x 19	21	175	movable	6
65	82	10/16	10092040	345	200	145	4 x 19	21	185	movable	7
80	98	10/16	10092050	350	215	160	8 x 19	21	200	movable	8
100	118	10/16	10092060	360	215	180	8 x 19	21	220	movable	12
125	144	10/16	10092070	370	220	210	8 x 19	21	250	movable	13
150	170	10/16	10092080	380	225	240	8 x 23	21	285	movable	16
200	222	10/16	10092090	400	230	295	8 - 12 x 23	22	340	movable	24
250	274	10	10092100	420	240	350	12 x 23	26	400	movable	34
250	274	16	10092105	420	240	355	12 x 28	26	400	movable	34
300	326	10	10092110	440	250	400	12 x 23	32	455	movable	50
300	326	16	10092115	440	250	410	12 x 28	32	455	movable	50
350	378	10	10092120	460	260	460	16 x 23	36	505	movable	56
350	378	16	10092125	460	260	470	16 x 28	36	520	movable	58
400	429	10	10092130	480	270	515	16 x 28	38	565	movable	78
400	429	16	10092135	480	270	525	16 x 31	38	580	movable	80
450	480	10	10092140	500	280	565	20 x 28	38	615	movable	86
450	480	16	10092145	500	280	585	20 x 31	38	640	movable	91
500	532	10	10092150	520	290	620	20 x 28	40	670	movable	113
500	532	16	10092155	520	290	650	20 x 34	40	715	movable	122
600	635	10	10092160	560	310	725	20 x 31	46	780	movable	160
600	635	16	10092165	560	310	770	20 x 37	46	840	movable	165
700	738	10	10092170	600	330	840	24 x 31	32.5	895	fixed	250
700	738	16	10092175	600	330	840	24 x 37	39.5	910	fixed	260
800	842	10	10092180	600	330	950	24 x 34	35	1015	fixed	300
800	842	16	10092185	600	330	950	24 x 41	43	1025	fixed	315
900	945	10	10092190	600	330	1050	28 x 34	37.5	1115	fixed	330

continued on next page

FLANGED SPIGOT CONNECTION

11.2400

Flanged fittings

DN 40 - 1200 PN10/16



continued from previous page

DN	DE	PN	code	L mm	L1 mm	K mm	n° x d1 mm	b mm	D mm	Flange movable / fixed	Kg approx.
900	945	16	10092195	600	330	1050	28 x 41	46.5	1125	fixed	350
1000	1048	10	10092200	600	330	1160	28 x 37	40	1230	fixed	352
1000	1048	16	10092205	600	330	1170	28 x 44	50	1255	fixed	374
1200	1255	10	10092210	600	330	1380	32 x 41	45	1455	fixed	454
1200	1255	16	10092215	600	330	1390	32 x 50	57	1485	fixed	503



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Product description

- Flange adaptor for ductile cast iron pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 598
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for waste water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring in NBR
- Simple and fast instalation
- Flanged fitting connecting any flanged component
- Allow a maximum deflection angles 3.5°
- Double flange drilling PN 10/16 for DN 50 to DN 350
- Maximum working pressure 16 bar, the max. test pressure of service according to pipe standard
- This accessory does not guarantee the locking of the tubes, they must be anchored by other means
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510].

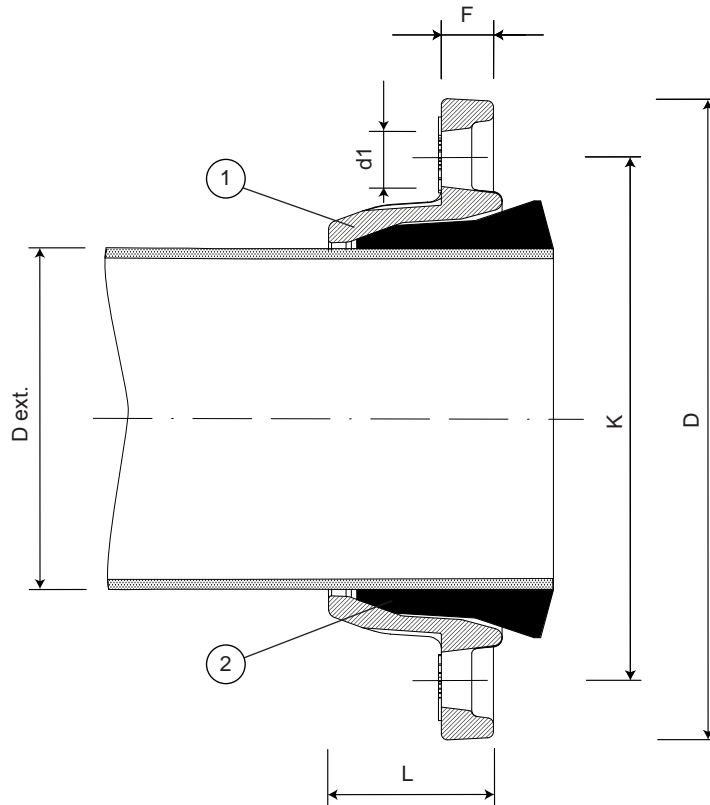


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

DN	D ext.	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	66	10/16	10185000	165	45	21	125	4 x 19	2
60/65	77	10/16	10185010	185	48	21	135/145	4 x 19	3
65	82	10/16	10185020	185	48	21	145	4 x 19	3
80	98	10/16	10185030	200	56	21	160	8 x 19	3
100	118	10/16	10185040	220	60	21	180	8 x 19	4
125	144	10/16	10185050	250	65	21	210	8 x 19	5
150	170	10/16	10185060	285	70	22	240	8 x 23	6
200	222	10/16	10185070	340	89	22	295	8-12 x 23	9
250	274	10/16	10185080	400	101	22	350/355	12 x 23/28	12
300	326	10/16	10185090	455	104	24.5	400/410	12 x 23/28	15
350	378	10/16	10185100	520	114	29	460/470	16 x 23/28	22
400	429	10	10185110	565	124	29	515	16 x 28	24
400	429	16	10185120	580	124	29	525	16 x 31	31
450	480	10	10185130	615	131	30	565	20 x 28	29
450	480	16	10185140	640	131	30	585	20 x 31	32
500	532	10	10185150	670	136	31	620	20 x 28	31
500	532	16	10185160	715	136	31	650	20 x 34	38
600	635	10	10185170	780	141	35	725	20 x 31	46
600	635	16	10185180	840	141	35	770	20 x 37	60





Product description

- Flange adaptor for uPVC pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for waste water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring in NBR
- Simple and fast instalation
- Flanged fitting connecting any flanged component with PVC pipe
- Allow a maximum deflection angles 3.5°
- Double flange drilling PN 10/16 for DN 50 to DN 300
- Maximum working pressure 16 bar, the max. pressure of service according to pipe standard
- This accessory does not guarantee the locking of the tubes, they must be anchored by other means
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510].

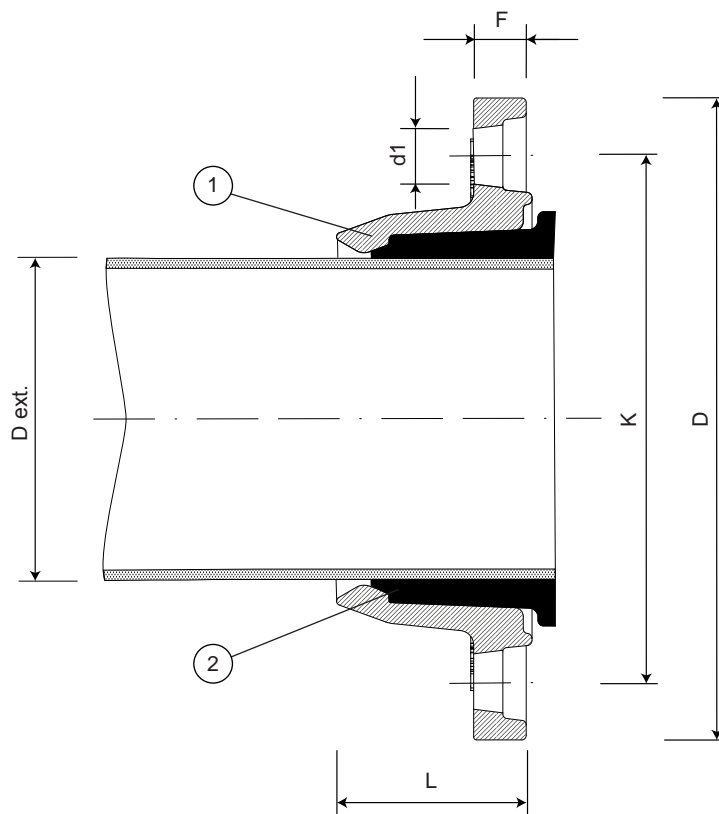


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing ring	Elastomer NBR	EN 681 - 1

Reference and dimensions

DN	D ext uPVC	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	63	10/16	10131805	165	48	20	125	4 x 19	2
50/60/65	63	10/16	10131800	185	48	20	125/135/145	4 x 19	2
60/65	63	10/16	10131810	185	48	20	135/145	4 x 19	2
60/65	75	10/16	10131815	185	54	20	135/145	4 x 19	2
80	90	10/16	10131820	200	56	20	160	8 x 19	3
100	90	10/16	10131825	220	56	20	180	8 x 19	4
100	110	10/16	10131830	220	62	20	180	8 x 19	4
125	125	10/16	10131835	250	66	20	210	8 x 19	4
125	140	10/16	10131840	250	66	20	210	8 x 19	4
150	160	10/16	10131845	285	73	20	240	8 x 23	6
200	200	10/16	10131850	340	84	21	295	8-12 x 23	8
200	225	10/16	10131855	340	84	21	295	8-12 x 23	7
250	250	10/16	10131860	400	101	22	350/355	12 x 23/28	11
250	280	10/16	10131865	400	101	22	350/355	12 x 23/28	11
300	315	10/16	10131870	455	111	23	400/410	12 x 23/28	14
400	400	10	10131875	565	133	25	515	16 x 28	25
400	400	16	10131880	580	133	25	515	16 x 31	26
500	500	10	10131885	670	128	27	620	20 x 28	34
500	500	16	10131890	715	128	27	650	20 x 34	44





Product description

- Flange adaptor with tensile ring for uPVC/PE pipes for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 12842
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Flange adaptor for waste water
- Body in ductile cast iron (EN-GJS-500-7)
- Sealing ring in NBR
- Simple and fast instalation
- Flanged fitting connecting any flanged component with a PE or UPVC pipe
- Allow a maximum deflection angles 3.5°
- Double flange drilling PN 10/16 for DN 50 to DN 300
- The insert [ref. 15.400] must be used in PE pipes to avoid deformation of the pipe
- Tensile ring for pipe blockage
- Maximum working pressure 16 bar, the max. pressure of service according to pipe standard
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510].

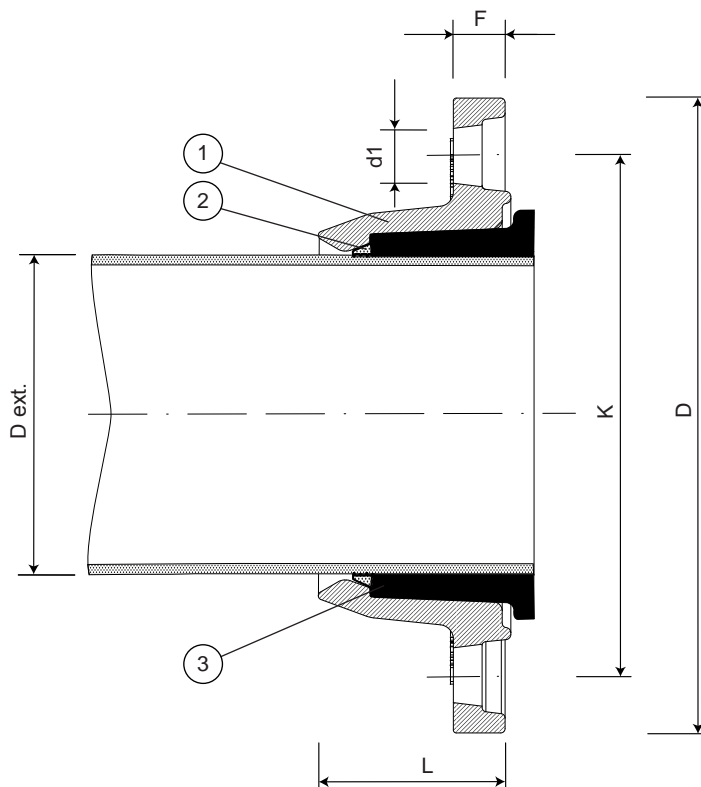


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563
2	Tensile ring	Brass	EN 1982
3	Sealing ring	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	D ext. PVC/PE	PN	code	D mm	L mm	F mm	K mm	n° x d1 mm	Kg approx.
50	63	10/16	10132800	165	48	20	125	4 x 19	2
60/65	63	10/16	10132805	185	48	20	135/145	4 x 19	2
60/65	75	10/16	10132810	185	54	20	135/145	4 x 19	3
80	90	10/16	10132815	200	56	20	160	8 x 19	3
100	90	10/16	10132820	220	56	20	180	8 x 19	4
100	110	10/16	10132830	220	62	20	180	8 x 19	4
125	125	10/16	10132832	250	66	20	210	8 x 19	5
125	140	10/16	10132835	250	66	20	210	8 x 19	5
150	160	10/16	10132840	285	73	20	240	8 x 23	6
200	200	10/16	10132845	340	84	21	295	8-12 x 23	8
200	225	10/16	10132850	340	84	21	295	8-12 x 23	8
250	250	10/16	10132855	400	101	22	350/355	12 x 23/28	12
250	280	10/16	10132860	400	101	22	350/355	12 x 23/28	13
300	315	10/16	10132865	455	101	23	400/410	12 x 23/28	14
400	400	10	10132870	565	133	25	515	16 x 28	27
400	400	16	10132872	580	133	25	525	16 x 31	30
500	500	10	10132875	670	128	31	620	20 x 28	37
500	500	16	10132878	715	128	31	650	20 x 34	47





Product description

- Blind flange for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 598
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Blind flange for waste water
- Body in ductile cast iron (EN-GJS-500-7)
- Simple and fast instalation
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510].

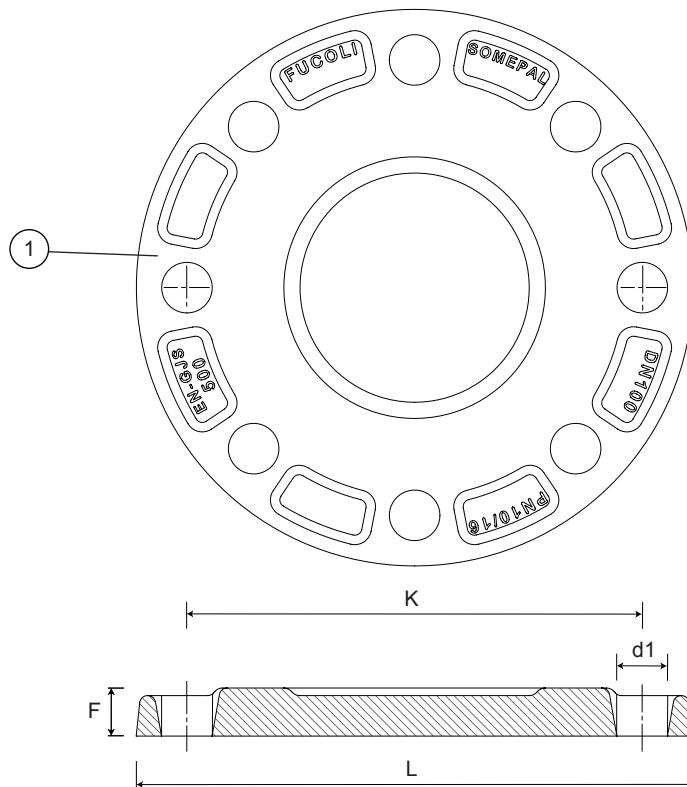


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	PN	code	L mm	F mm	K mm	n° x d1 mm	Kg approx.
40	10/16	10125000	150	19	110	4 x 19	3
50	10/16	10125050	165	19	125	4 x 19	3
60/65	10/16	10125100	175/185	19	135/145	4 x 19	4
80	10/16	10125150	200	19	160	8 x 19	4
100	10/16	10125200	220	19	180	8 x 19	5
125	10/16	10125250	250	19	210	8 x 19	6
150	10/16	10125300	285	19	240	8 x 23	7
200	10/16	10125351	340	20	295	8-12 x 23	11
250	10/16	10125401	400	22	350/355	12 x 23/28	16
300	10/16	10125451	455	24.5	400/410	12 x 23/28	23
350	10	10125500	505	24.5	460	16 x 23	33
350	16	10125502	520	26.5	470	16 x 28	34
400	10	10125550	565	24.5	515	16 x 28	38
400	16	10125552	580	28	525	16 x 31	40
450	10	10125600	615	25.5	565	20 x 28	46
450	16	10125602	640	30	585	20 x 31	48
500	10	10125650	670	26.5	620	20 x 28	81
500	16	10125652	715	31.5	650	20 x 34	-
600	10	10125700	780	30	725	20 x 31	90
600	16	10125702	840	36	770	20 x 37	100
700	10	10125750	895	32.5	840	24 x 31	132
700	16	10125752	910	39.5	840	24 x 37	150

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BLIND FLANGE

DN 40 - 1000 PN10/16/25

11.2800



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DN	PN	code	L mm	F mm	K mm	nº x d1 mm	Kg approx.
800	10	10125800	1015	35	950	24 x 34	191
800	16	10125802	1025	43	950	24 x 41	195
900	10	10125850	1115	37.5	1050	28 x 34	220
900	16	10125852	1125	46.5	1050	28 x 41	-
1000	10	10125900	1230	40	1160	28 x 37	290
1000	16	10125902	1255	50	1170	28 x 44	400



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100% MADE IN EUROPE



Product description

- Thread flange for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 598
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16
- Internal parallel BSP thread (Type G) according to ISO 228-1 and ISO 1179-1

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901, and GSK (RAL-GZ662) guidelines

Features

- Thread flange for waste water
- Body in ductile cast iron (EN-GJS-500-7)
- Simple and fast installation
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA
- Accessories: kit flange in steel zinc plated [ref. 15.500] or kit flange in stainless steel [ref. 15.510]
- Available with different thread sizes.

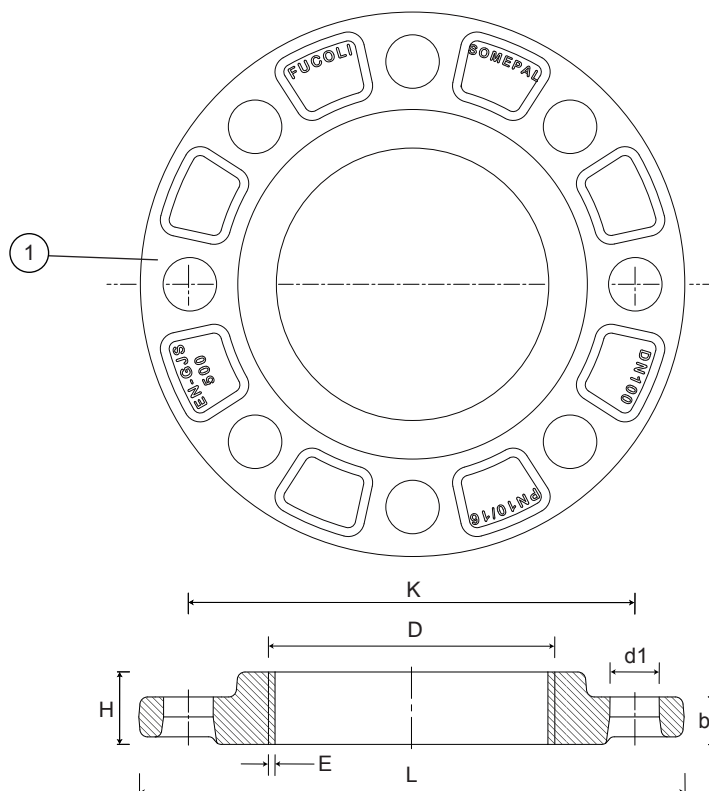


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Component list

pos.	components	material	standard
1	Flange	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	D1 (BSP)	PN	code	L mm	H mm	K mm	n° x d1 mm	b mm	E mm	Kg approx.
40	G 1 ½"	10/16	10125010	150	29	110	4 x 19	19	1.25	2
50	G 2"	10/16	10125061	165	29	125	4 x 19	19	1.25	3
60/65	G 2 ½"	10/16	10125110	175 / 185	29	135 / 145	4 x 19	19	1.25	4
80	G 3"	10/16	10125160	200	29	160	8 x 19	19	1.25	4
100	G 4"	10/16	10125210	220	29	180	8 x 19	19	1.25	4
125	G 5"	10/16	10125260	250	29	210	8 x 19	19	1.25	6
150	G 6"	10/16	10125310	285	29	240	8 x 23	19	1.25	7
200	G 8"	10/16	10125370	340	30	295	8 - 12 x 23	20	1.5	9
250	G 10"	10/16	10125420	400	32	350 / 355	12 x 23 / 28	22	1.5	14
300	G 12"	10/16	10125470	455	34.5	400 / 410	12 x 23 / 28	24.5	1.5	17
350	G 14"	10	10125510	505	34.5	460	16 x 23	24.5	1.5	24
350	G 14"	16	10125525	520	36.5	470	16 x 28	26.5	1.5	24
400	G 16"	10	10125560	565	34.5	515	16 x 28	24.5	1.5	24
400	G 16"	16	10125575	580	38	525	16 x 31	28	1.75	28
450	G 18"	10	10125610	615	35.5	565	20 x 28	25.5	1.75	26
450	G 18"	16	10125625	640	40	585	20 x 31	30	1.75	36
500	G 20"	10	10125660	670	36.5	620	20 x 28	26.5	1.75	32
500	G 20"	16	10125675	715	41.5	650	20 x 34	31.5	1.75	46
600	G 24"	10	10125710	780	40	725	20 x 31	30	1.75	40
600	G 24"	16	10125725	840	46	770	20 x 37	36	1.75	-
700	G 28"	10	10125760	895	42.5	840	24 x 31	32.5	1.75	45
700	G 28"	16	10125775	910	49.5	840	24 x 37	39.5	1.75	-

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THREAD FLANGE

DN 40 - 1000 PN10/16

11.2801



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DN	D1 (BSP)	PN	code	L mm	H mm	K mm	n° x d1 mm	b mm	E mm	Kg approx.
800	G 32 "	10	10125810	1015	45	950	24 x 34	35	1.75	60
800	G 32 "	16	10125825	1025	53	950	24 x 41	43	1.75	-
900	G 36 "	10	10125860	1115	-	-	-	-	-	80
900	G 36 "	16	10125875	1125	-	-	-	-	-	-
1000	G 40 "	10	10125910	1230	-	-	-	-	-	95
1000	G 40 "	16	10125925	1255	-	-	-	-	-	-

Other threads - On request.



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Product description

- Ductile iron pipe for waste water

Standards

- Designed according to EN 598
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Tests

- All pipes are individually hydrostatically tested according to EN 598

Corrosion protection

- Pipe internal coating: aluminum cement CALCOAT
- ZINALIUM pipe external coating: Zn85Al15 [400g/m²] alloy + red epoxy 100 µm + red RAL 3011 enamel

Features

- Pipe for waste water
- Body in ductile iron Rm > 420 MPa, elongation > 10%
- Flange and puddle flange in ductile cast iron (EN-GJS-500-7)
- Puddle Flange from DN 50 to DN 200 are ajustable, from DN 250 to DN 800 are fixed. This innovation puddle flange system patented by Fucoli-Somepal was developed to facilitate the installation on site, due that can be placed at any point of the pipe length
- The pipes are provided with fixed flange(s) (when that is applicable)
- Ductile cast iron pipe available in 9 models:
 - A. Double spigot pipe
 - B. Flanged spigot pipe
 - C. Double flanged pipe
 - D. Double spigot pipe with adjustable puddle flange from DN 80 to DN 200
 - E. Flanged spigot pipe with adjustable puddle flange from DN 80 to DN 200
 - F. Double flanged pipe with adjustable puddle flange from DN 80 to DN 200
 - G. Double spigot pipe with fixed puddle flange from DN 250 to DN 800
 - H. Flanged spigot pipe with fixed puddle flange from DN 250 to DN 800
 - I. Double flanged pipe with fixed puddle flange from DN 250 to DN 800
- Available in length up to:
 - i. DN 80 to DN 600 length maximum 5900 mm
 - ii. DN 700 to DN 800 length maximum 3000 mm
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA
- On request side thread outlet: 1", 2 ½" and 2".



(A)



(B)



(C)



(D)



(E)



(F)



(G)



(H)



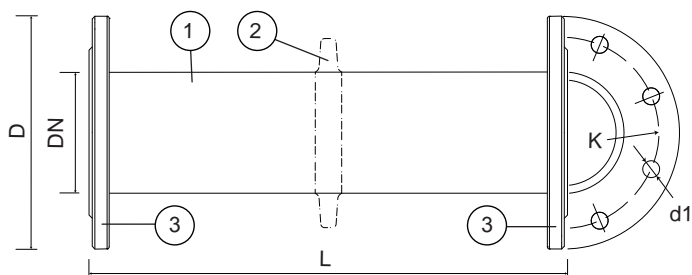
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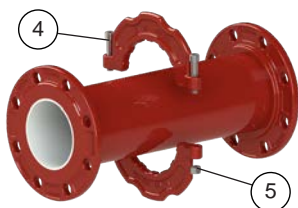
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Component list

pos.	components	material	standard
1	Pipe	Ductile iron Rm > 420MPa, elongation > 10%	EN 1563
2a*	Adjustable puddle flanged	Ductile iron EN-GJS-500-7	EN 1563
2b*	Fixed puddle flanged	Ductile iron EN-GJS-500-7	EN 1563
3	Flange	Ductile iron EN-GJS-500-7	EN 1563
4	Bolt	Steel zinc plated cl 8.8	ISO 898 - 1
5	Nut	Steel zinc plated cl 8.8	ISO 898 - 1

* 2a Available only from DN 80 to DN 200
* 2b Available only from DN 250 to DN 800



Ajustable puddle flanged
DN 80 up to DN 200



Fixed flange
DN 250 up to DN 800

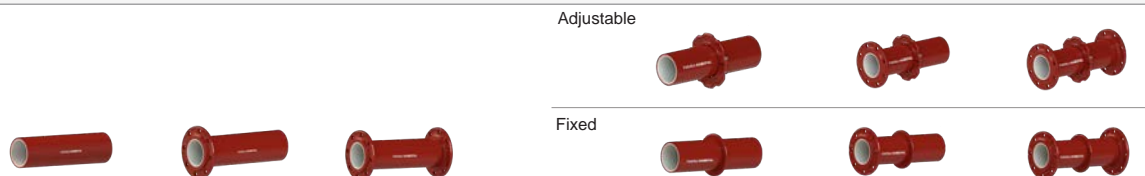
Reference and dimensions

Common on all models

Hole ϕ / ϕ and n° of holes

DN	PN	D	K	n° x d1	DN	PN	D	K	n° x d1	DN	PN	D	K	n° x d1
80	10/16	200	160	8 x 19	300	10/16	455	400 410	12 x 23 - 28	600	10	780	725	20 x 31
100	10/16	220	180	8 x 19	400	10	565	515	16 x 28	600	16	840	770	20 x 37
125	10/16	250	210	8 x 19	400	16	580	525	16 x 31	700	10	895	840	24 x 31
150	10/16	285	240	8 x 23	500	10	670	620	20 x 28	700	16	910	840	24 x 37
200	10/16	340	295	8 - 12 x 23	500	16	715	650	20 x 34	800	10	1015	950	24 x 34
250	10/16	400 405	300 355	12 x 23 - 28						800	16	1025	950	24 x 41

Available models



Code of the 9 models available

DN	PN	ϕ ext. pipe	(A)	(B)	(C)	Puddle Flange	(D)-(G)	(E)-(H)	(F)-(I)
80	10 / 16	98	40231004	40242004	40243004	Adjustable	40244004	40245004	40246004
100	10 / 16	118	40231005	40242005	40243005	Adjustable	40244005	40245005	40246005
125	10 / 16	144	40231006	40242006	40243006	Adjustable	40244006	40245006	40246006
150	10 / 16	170	40231007	40242007	40243007	Adjustable	40244007	40245007	40246007
200	10 / 16	222	40231008	40242018	40243018	Adjustable	40244008	40245018	40246018
250	10 / 16	274	40231009	40242019	40243019	Fixed	40244009	40245019	40246019
300	10 / 16	326	40231010	40242020	40243020	Fixed	40244010	40245020	40246020
350	10	378	40231011	40242011	40243011	Fixed	40244011	40245011	40246011
350	16	378	40231011	402420116	402430116	Fixed	40244011	402450116	402460116
400	10	429	40231012	40242012	40243012	Fixed	40244012	40245012	40246012
400	16	429	40231012	402420126	402430126	Fixed	40244012	402450126	402460126
450	10	480	40231013	40242013	40243013	Fixed	40244013	40245013	40246013
450	16	480	40231013	402420136	402430136	Fixed	40244013	402450136	402460136
500	10	532	40231014	40242014	40243014	Fixed	40244014	40245014	40246014
500	16	532	40231014	402420146	402430146	Fixed	40244014	402450146	402460146
600	10	635	40231015	40242015	40243015	Fixed	40244015	40245015	40246015
600	16	635	40231015	402420156	402430156	Fixed	40244015	402450156	402460156

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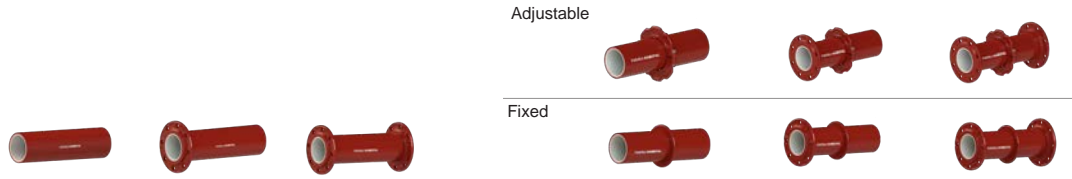
PIPE

DN 80 - 800 PN10/16

11.2900



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Code of the 9 models available

DN	PN	Ø ext. pipe	(A)	(B)	(C)	Puddle Flange	(D)-(G)	(E)-(H)	(F)-(I)
700	10	738	40231016	40242016*	40243016*	Fixed	40244016*	40245016*	40246016*
700	16	738	40231016	402420166*	402430166*	Fixed	40244016*	402450166*	402460166*
800	10	842	40231017	40242017*	40243017*	Fixed	40244017*	40245017*	40246017*
800	16	842	40231017	402420176*	402430176*	Fixed	40244017*	402450176*	402460176*

* Maximum length up to 3000mm



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Product description

- Ductile iron pipe for waste water

Standards

- Designed according to EN 545
- Flange drilling to EN 1092-2 (ISO 7005-2) PN 10/16

Tests

- All pipes are individually hydrostatically tested according to EN 545

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901, and GSK (RAL-GZ662) guidelines

Features

- Pipe for waste water
- Body and flange in ductile cast iron (EN-GJS-500-7)
- Flanged fitting connecting any flanged component
- Puddle flange in the center of movable flanged pipe
- Ductile cast iron pipe available in 3 models:
 - A. Double movable flanged pipe L = 250 mm
 - B. Double movable flanged pipe L = 500 mm
 - C. Double movable flanged pipe with puddle flange L = 500 mm
- The flanged fittings for sewerage applications from Fucoli-Somepal have CE mark in accordance with standard EN 598 annex ZA.



(A)



(B)



(C)

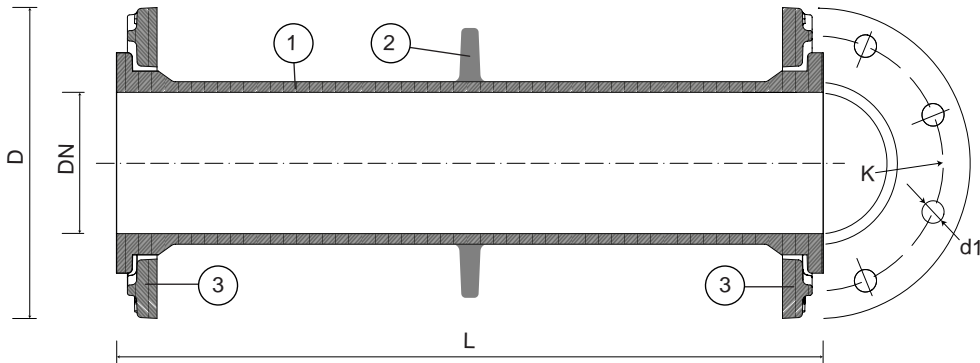


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DOUBLE MOVABLE FLANGED PIPE DN 40 - 500 PN10/16

11.2901



Component list

pos.	components	material	standard
1	Pipe	Ductile iron EN-GJS-500-7	EN 1563
2*	Puddle flanged	Ductile iron EN-GJS-500-7	EN 1563
3	Flange	Ductile iron EN-GJS-500-7	EN 1563

* Only available in the model double movable flanged pipe with puddle flange

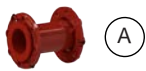
Reference and dimensions

Common on all models

Hole \varnothing / \varnothing and n^o of holes

DN	PN	D mm	K mm	n ^o x d1 mm	DN	PN	D mm	K mm	n ^o x d1 mm	DN	PN	D mm	K mm	n ^o x d1 mm
40	10/16	150	110	4 x 19	125	10/16	250	210	8 x 19	300	16	455	410	12 x 28
50	10/16	165	125	4 x 19	150	10/16	285	240	8 x 23	400	10	565	515	16 x 28
60	10/16	175	135	4 x 19	200	10/16	340	295	8 - 12 x 23	400	16	580	525	16 x 31
65	10/16	185	145	4 x 19	250	10	400	350	12 x 23	500	10	670	620	20 x 28
80	10/16	200	160	8 x 19	250	16	400	355	12 x 28	500	16	715	650	20 x 34
100	10/16	220	180	8 x 19	300	10	455	400	12 x 23					

Models



DN	PN	code	L mm	Kg approx.
40	10/16	40248010	250	6
50	10/16	40248020	250	7
60	10/16	40248030	250	7
65	10/16	40248040	250	8
80	10/16	40248050	250	9
100	10/16	40248060	250	11
125	10/16	40248070	250	14
150	10/16	40248080	250	16
200	10/16	40248090	250	23
250	10	40248100	250	36
250	16	40248095	250	-
300	10	40248110	250	46
300	16	40248115	250	48

DN	PN	code	L mm	Kg approx.
40	10/16	40250010	500	8
50	10/16	40250020	500	9
60	10/16	40250030	500	10
65	10/16	40250040	500	11
80	10/16	40250050	500	13
100	10/16	40250060	500	15
125	10/16	40250070	500	17
150	10/16	40250080	500	23
200	10/16	40250090	500	35
250	10	40250100	500	45
250	16	40250105	500	46
300	10	40250110	500	60
300	16	40250115	500	61
400	10	40250120	500	94
400	16	40250125	500	99
500	10	40250130	500	124
500	16	40250135	500	145

DN	PN	code	L mm	Kg approx.
40	10/16	40252010	500	8
50	10/16	40252020	500	10
60	10/16	40252030	500	11
65	10/16	40252040	500	12
80	10/16	40252050	500	14
100	10/16	40252060	500	17
125	10/16	40252070	500	21
150	10/16	40252080	500	26
200	10/16	40252090	500	38
250	10	40252100	500	48
250	16	40252105	500	50
300	10	40252110	500	62
300	16	40252115	500	65
400	10	40252120	500	100
400	16	40252125	500	105
500	10	40252130	500	130
500	16	40252135	500	150



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Product description

- Multimaterial coupling for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525

Test according

- EN 14525: Positive internal pressure and negative internal

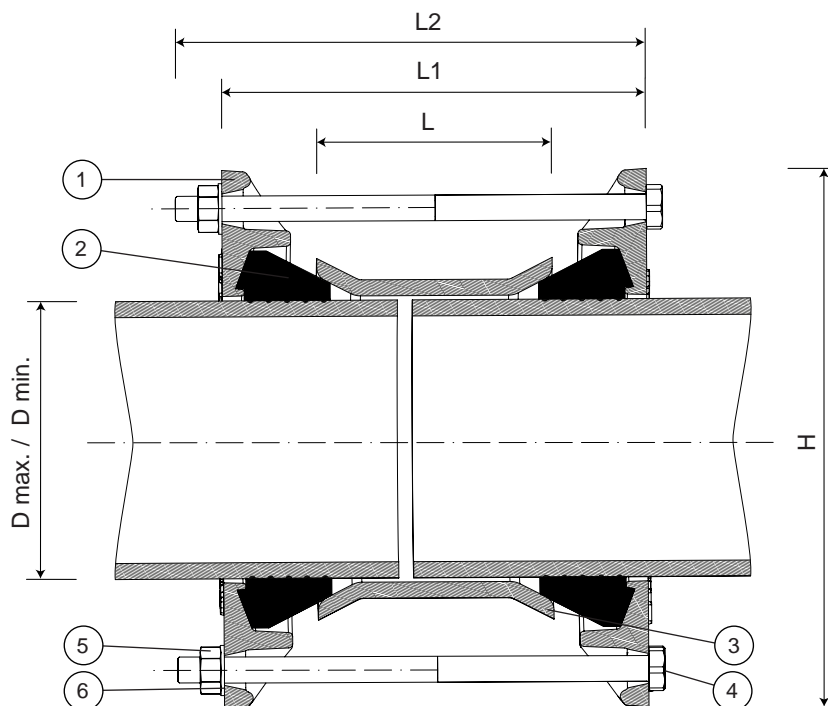
Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Multimaterials coupling for waste water
- NBR sealing gaskets with incorporated O-rings, which ensures an extremely effective seal and absorb minor imperfections in the pipe
- Tolerance range from 30 to 40 mm that allows great versatility of the product and assembly of pipes with different materials and diameters
- Allow a maximum deflection angle of 6°
- Bolts in steel cl. 8.8, geomet coated
- Allow the connection between pipe of ductile iron, steel, uPVC, asbestos cement, glass fibre, among other
- On request possibility of bolts, washers and nuts in stainless steel A2 or A4.





Component list

pos.	components	material	standard	pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563	4	Bolts	Steel cl 8.8 (geomet coating)	ISO 898-1
2	Sealing	Elastomer NBR	EN 681 - 1	5	Nuts	Steel cl 8 (geomet coating)	ISO 898-2
3	Body	Ductile iron EN-GJS-500-7	EN 1563	6	Washers	Steel (geomet coating)	ISO 898-2

Reference and dimensions

DN	D	code	L	L1	H	Kg	Bolt	L2	Torque
mm	min./max. mm - mm		mm	mm	mm	approx.		mm	
40	25 - 55	10908000	110	198	151	5	3 x M12	220	60 - 80 Nm
40 / 50	39 - 69	10908010	110	198	165	6	3 x M12	220	60 - 80 Nm
40 / 50	46 - 76	10908020	110	200	172	6	3 x M12	220	60 - 80 Nm
40 / 50	48 - 78	10908021	110	202	174	7	3 x M12	220	60 - 80 Nm
60 / 65	57 - 87	10908030	110	197	214	7	4 x M12	220	60 - 80 Nm
60 / 65	63 - 93	10908031	110	201	220	8	4 x M12	220	60 - 80 Nm
80	78 - 108	10908040	110	197	235	8	4 x M12	220	60 - 80 Nm
80 / 100	87 - 117	10908050	110	200	244	9	4 x M12	220	60 - 80 Nm
100	100 - 130	10908055	110	198	253	10	4 x M12	250	60 - 80 Nm
100	108 - 138	10908057	110	170	261	10	4 x M12	250	60 - 80 Nm
125	117 - 147	10908060	120	208	270	11	4 x M12	250	60 - 80 Nm
125 / 150	129 - 159	10908070	120	208	282	12	4 x M12	250	60 - 80 Nm
150	138 - 168	10908080	120	208	291	13	4 x M12	250	60 - 80 Nm
150	152 - 182	10908090	120	208	315	14	4 x M16	250	100 - 140 Nm
150	159 - 189	10908091	120	180	322	15	4 x M16	250	100 - 140 Nm
175	172 - 202	10908095	120	208	335	15	4 x M16	250	100 - 140 Nm
175 / 200	186 - 216	10908100	120	208	349	16	4 x M16	250	100 - 140 Nm
200	198 - 228	10908110	120	208	361	17	4 x M16	250	100 - 140 Nm
225	218 - 253	10908120	130	197	402	23	4 x M16	280	100 - 140 Nm
250	245 - 280	10908130	130	235	429	24	4 x M16	280	100 - 140 Nm

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MULTIMATERIALS COUPLING

DN 40 - 1200 PN16

11.3000



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DN mm	D min./max. mm - mm	code	L mm	L1 mm	H mm	Kg approx.	Bolt	L2 mm		Torque
250	266 - 301	10908140	150	300	450	30	6 x M16	300	24 mm	100 - 140 Nm
300	297 - 332	10908143	150	260	481	32	6 x M16	300	24 mm	100 - 140 Nm
300	314 - 349	10908150	150	220	498	34	6 x M16	300	24 mm	100 - 140 Nm
350	343 - 378	10908151	150	263	527	35	6 x M16	300	24 mm	100 - 140 Nm
350	375 - 410	10908152	150	266	533	43	8 x M16	300	24 mm	100 - 140 Nm
400	396 - 431	10908153	200	316	591	52	8 x M16	360	24 mm	100 - 140 Nm
400	420 - 455	10908154	200	286	615	56	8 x M16	360	24 mm	100 - 140 Nm
450	449 - 484	10908163	200	328	650	65	10 x M16	360	24 mm	100 - 140 Nm
450	457 - 492	10908155	200	328	652	66	10 x M16	360	24 mm	100 - 140 Nm
450	497 - 532	10908156	200	328	692	70	10 x M16	360	24 mm	100 - 140 Nm
500	501 - 540	10908165	200	368	694	72	10 x M16	360	24 mm	100 - 140 Nm
550	525 - 560	10908149	200	286	720	74	10 x M16	360	24 mm	100 - 140 Nm
550	533 - 568	10908157	200	328	728	75	10 x M16	360	24 mm	100 - 140 Nm
600	575 - 610	10908158	200	328	770	80	10 x M16	360	24 mm	100 - 140 Nm
600	625 - 660	10908159	200	286	820	89	10 x M16	360	24 mm	100 - 140 Nm
650	660 - 695	10908160	200	338	839	102	10 x M16	360	24 mm	100 - 140 Nm
700	710 - 745	10908166	200	367	931	133	12 x M16	410	24 mm	100 - 140 Nm
700	724 - 765	10908168	200	367	955	147	12 x M16	410	24 mm	100 - 140 Nm
800	810 - 845	10908173	200	372	1031	156	12 x M16	410	24 mm	100 - 140 Nm
850	829 - 870	10908175	200	367	1060	166	12 x M16	410	24 mm	100 - 140 Nm
900	905 - 946	10908178	250	423	1157	228	14 x M20	485	30 mm	160 - 200 Nm
900	934 - 975	10908183	250	421	1184	234	14 x M20	485	30 mm	160 - 200 Nm
1000	1034 - 1075	10908189	250	421	1241	257	14 x M20	485	30 mm	160 - 200 Nm
1200	1219 - 1260	10908191	250	421	1469	315	16 x M20	485	30 mm	160 - 200 Nm

Table of tolerances and pipes on next page



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TABLE OF TOLERANCES AND PIPES



Tolerances	code	Pipes									
		PVC	Ductile iron		Steel		Asbestos cement				
D min. - max. mm - mm		∅ ext. pipe mm	DN	∅ ext. pipe mm	∅ ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
25 - 55	10908000	25 32 50	-	-	42.4 48.3	-	-	-	-	-	-
39 - 69	10908010	50 63	40 50	56 66	42.4 48.3 60.3	50	66	66	66	66	66
46 - 76	10908020	63 75	40 50	56 66	48.3 60.3	50 60	66 76	66 76	66 76	66 76	66 -
48 - 78	10908021	63 75	40 50 60	56 66 77	48.3 60.3 76.1	50 60	66 76	66 76	66 76	66 76	66 78
57 - 87	10908030	63 75	50 60 65	66 77 82	60.3 76.1	50 60	66 76	66 76	66 76	66 76	66 78
63 - 93	10908031	63 75 90	50 60 65	66 77 82	76.1 88.9	50 60	66 76	66 76	66 76	66 76	66 78
78 - 108	10908040	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 104
87 - 117	10908050	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100 - 130	10908055	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
108 - 138	10908057	110 125	100	118	114.3	100	116	116	118	122	128
117 - 147	10908060	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
129 - 159	10908070	140	125	144	139.7	125	141	141	145	151	157
138 - 168	10908080	140 160	125	144	139.7	125 150	141 168	141 168	145 -	151 -	157 -
152 - 182	10908090	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
159 - 189	10908091	160 180	150	170	168.3 177.8	150	168	168	174	180	188
172 - 202	10908095	180 200	-	-	177.8 193.7	150	-	-	174	180	188
186 - 216	10908100	200	-	-	193.7	150	-	-	-	-	188
198 - 228	10908110	200 225	200	222	219.1	200	220	222	228	-	-
218 - 253	10908120	225 250	200	222	219.1 244.5	200	220	222	228	238	250
245 - 280	10908130	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
266 - 301	10908140	280	250	274	273	250	272	276	282	294	-
297 - 332	10908143	315	300	326	323.9	250 300	- 324	- 330	- -	- -	306 -
314 - 349	10908150	315	300	326	323.9	300	324	330	338	-	-
343 - 378	10908151	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
375 - 410	10908152	400	350	378	406.4	350	376	384	396	410	-
396 - 431	10908153	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -
420 - 455	10908154	-	400	429	-	400	-	438	452	-	-
449 - 484	10908163	-	450	480	457.0	400 450	- 482	438 -	- -	470 -	488 -
457 - 492	10908155	-	450	480	457.0	400 450	- 482	- 492	- -	470 -	488 -
497 - 532	10908156	500	500	532	508	450	-	-	512	532	-
501 - 540	10908165	-	500	532	508	500	536	-	-	-	-
525 - 560	10908149	560	500	532	559	450 500	- 536	- 548	- -	- -	548 -
533 - 568	10908157	560	-	-	559	500	536	548	568	-	-
575 - 610	10908158	-	-	-	610	500	-	-	-	590	608
625 - 660	10908159	630	600	635	660	600	644	660	-	-	-
660 - 695	10908160	-	-	-	660	600	-	-	674	694	-
710 - 745	10908166	710	700	738	711.0	600	-	-	-	-	714
724 - 765	10908168	-	700	738	762.0	700	754	-	-	-	-
810 - 845	10908173	-	800	842	813.0	700	-	-	-	-	828
829 - 870	10908175	-	800	842	864.0	800	852	-	-	-	-
905 - 946	10908178	-	900	945	-	800	-	-	-	-	946
934 - 975	10908183	-	900	945	-	800 900	- 960	- -	- -	- -	946 -
1034 - 1075	10908189	-	1000	1048	1067.0	900 1000	- -	- -	- -	1050 1066	- -
1219 - 1260	10908191	-	1200	1255	1219.0	-	-	-	-	-	-



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100% MADE IN EUROPE

LARGE TOLERANCE MULTIMATERIALS COUPLING FLANGED ADAPTOR 11.3001 DN 40 - 1200 PN10/16



Product description

- Multimaterial coupling for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525

Test according

- EN 14525: Positive internal pressure and negative internal

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Large tolerance multimaterial coupling flanged adaptor for waste water
- NBR sealing gaskets with incorporated O-rings, which ensures an extremely effective seal and absorb minor imperfections in the pipe
- Tolerance range from 30 to 40 mm that allows great versatility of the product and assembly of pipes with different materials and diameters
- Allow a maximum deflection angle of 3°
- Bolts in steel cl. 8.8, geomet coated
- Allow the connection between pipe of ductile iron, steel, uPVC, asbestos cement, glass fibre, among other
- On request possibility of bolts, washers and nuts in stainless steel A2 or A4.



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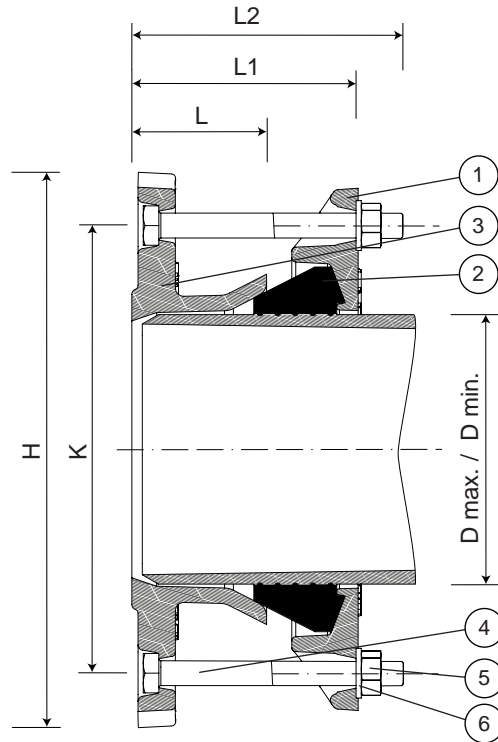
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LARGE TOLERANCE MULTIMATERIALS COUPLING FLANGED ADAPTOR 11.3001


DN 40 - 1200 PN10/16



Component list

pos.	components	material	standard	pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563	4	Bolts	Steel cl 8.8 (geomet coating)	ISO 898-1
2	Sealing	Elastomer NBR	EN 681 - 1	5	Nuts	Steel cl 8 (geomet coating)	ISO 898-2
3	Body	Ductile iron EN-GJS-500-7	EN 1563	6	Washers	Steel (geomet coating)	ISO 898-2

Reference and dimensions

DN flange	D min./max. mm - mm	PN	code	L mm	L1 mm	H flange mm	K mm	Kg approx.	Bolt	L2 mm		Torque
40	25 - 55	10/16	10908200	65	108	150	110	5	3 x M12	120	19 mm	60 - 80 Nm
50	39 - 69	10/16	10908201	65	108	165	125	5	3 x M12	120	19 mm	60 - 80 Nm
50	46 - 76	10/16	10908202	65	108	165	125	5	3 x M12	120	19 mm	60 - 80 Nm
60/65	57 - 87	10/16	10908203	65	108	175/185	135/145	6	4 x M12	120	19 mm	60 - 80 Nm
80	78 - 108	10/16	10908204	65	108	200	160	7	4 x M12	120	19 mm	60 - 80 Nm
80/100	87 - 117	10/16	10908209	65	108	200/220	160/180	7	4 x M12	120	19 mm	60 - 80 Nm
100	87 - 117	10/16	10908205	65	108	220	180	7	4 x M12	120	19 mm	60 - 80 Nm
100	100 - 130	10/16	10908206	65	108	220	180	8	4 x M12	120	19 mm	60 - 80 Nm
100	108 - 138	10/16	10908211	65	114	220	180	7	4 x M12	120	19 mm	60 - 80 Nm
125	117 - 147	10/16	10908207	70	114	250	210	9	4 x M12	120	19 mm	60 - 80 Nm
125/150	129 - 159	10/16	10908208	70	114	250/285	210/240	10	4 x M12	120	19 mm	60 - 80 Nm
150	152 - 182	10/16	10908210	75	119	285	240	11	4 x M16	150	24 mm	100 - 140 Nm
200	186 - 216	10/16	10908212	75	119	340	295	14	4 x M16	150	24 mm	100 - 140 Nm
200	198 - 228	10/16	10908213	75	119	340	295	14	4 x M16	150	24 mm	100 - 140 Nm
250	245 - 280	10/16	10908215	85	140	400	350	21	4 x M16	150	24 mm	100 - 140 Nm
250	266 - 301	10/16	10908216	90	145	400	350	22	6 x M16	150	24 mm	100 - 140 Nm
300	314 - 349	10/16	10908217	90	145	455	400	27	6 x M16	150	24 mm	100 - 140 Nm
350	343 - 378	10/16	10908218	90	145	505/520	460	33	8 x M16	150	24 mm	100 - 140 Nm
350	375 - 410	10/16	10908219	127	145	505/520	460	40	8 x M16	200	24 mm	100 - 140 Nm
400	396 - 431	10	10908221	127	190	565	515	44	8 x M16	200	24 mm	100 - 140 Nm

continued on next page

LARGE TOLERANCE MULTIMATERIALS COUPLING FLANGED ADAPTOR 11.3001

DN 40 - 1200 PN10/16



continued from previous page


DN flange	D min./max. mm - mm	PN	code	L mm	L1 mm	H flange mm	K mm	Kg approx.	Bolt	L2 mm		Torque
400	396 - 431	16	10908222	127	190	580	525	47	8 x M16	200	24 mm	100 - 140 Nm
400	420 - 455	10	10908223	127	190	565	515	46	8 x M16	200	24 mm	100 - 140 Nm
400	420 - 455	16	10908224	127	190	580	525	48	8 x M16	200	24 mm	100 - 140 Nm
450	457 - 492	10	10908225	127	190	615	565	54	10 x M16	200	24 mm	100 - 140 Nm
450	457 - 492	16	10908226	127	190	640	585	55	10 x M16	200	24 mm	100 - 140 Nm
500	497 - 532	10	10908227	127	190	670	620	56	10 x M16	200	24 mm	100 - 140 Nm
500	497 - 532	16	10908228	127	190	715	650	68	10 x M16	200	24 mm	100 - 140 Nm
500	533 - 568	10	10908229	127	190	670	620	56	10 x M16	200	24 mm	100 - 140 Nm
500	533 - 568	16	10908230	127	190	715	650	65	10 x M16	200	24 mm	100 - 140 Nm
600	625 - 660	10	10908233	130	200	780	725	73	10 x M16	200	24 mm	100 - 140 Nm
600	625 - 660	16	10908234	130	200	840	770	93	10 x M16	200	24 mm	100 - 140 Nm
700	710 - 745	10	10908235	160	200	895	840	121	12 x M16	250	24 mm	100 - 140 Nm
700	710 - 745	16	10908236	160	200	910	840	125	12 x M16	250	24 mm	100 - 140 Nm
800	810 - 845	10	10908239	160	200	1015	950	140	12 x M16	250	24 mm	100 - 140 Nm
800	810 - 845	16	10908240	160	200	1025	950	144	12 x M16	250	24 mm	100 - 140 Nm
900	934 - 975	10	10908237	160	200	1115	1050	-	14 x M20	260	30 mm	160 - 200 Nm
900	934 - 975	16	10908238	160	200	1125	1050	182	14 x M20	260	30 mm	160 - 200 Nm
1000	1034 - 1075	10	10908241	160	200	1230	1160	221	14 x M20	260	30 mm	160 - 200 Nm
1000	1034 - 1075	16	10908242	160	200	1255	1170	-	14 x M20	260	30 mm	160 - 200 Nm
1200	1219 - 1260	10	10908243	160	200	1455	1380	264	16 x M20	260	30 mm	160 - 200 Nm
1200	1219 - 1260	16	10908244	160	200	1485	1390	340	16 x M20	260	30 mm	160 - 200 Nm

Table of tolerances and pipes on next page



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TABLE OF TOLERANCES AND PIPES



DN	Tolerances D min. - max. mm - mm	code		Pipes									
		PN10	PN16	PVC	Ductile iron		Steel	Asbestos cement					
				ø ext. pipe mm	DN	ø ext. pipe mm	ø ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
40	25 - 55	10908200	10908200	25 32 50	-	-	42.4 48.3	-	-	-	-	-	-
50	39 - 69	10908201	10908201	50 63	40 50	56 66	42.4 48.3 60.3	50	66	66	66	66	66
50	46 - 76	10908202	10908202	63 75	40 50	56 66	48.3 60.3	50 60	66 76	66 76	66 76	66 76	66 -
60/65	57 - 87	10908203	10908203	63 75	50 60 65	66 77 82	60.3 76.1	50 60	66 76	66 76	66 76	66 76	66 78
80	78 - 108	10908204	10908204	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 104
80/100	87 - 117	10908209	10908209	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	87 - 117	10908205	10908205	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	100 - 130	10908206	10908206	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
100	108 - 138	10908211	10908211	110 125	100	118	114.3	100	116	116	118	122	128
125	117 - 147	10908207	10908207	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
125/150	129 - 159	10908208	10908208	140	125	144	139.7	125	141	141	145	151	157
150	152 - 182	10908210	10908210	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
200	186 - 216	10908212	10908212	200	-	-	193.7	150	-	-	-	-	188
200	198 - 228	10908213	10908213	200 225	200	222	219.1	200	220	222	228	-	-
250	245 - 280	10908215	10908215	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
250	266 - 301	10908216	10908216	280	250	274	273	250	272	276	282	294	-
300	314 - 349	10908217	10908217	315	300	326	323.9	300	324	330	338	-	-
350	343 - 378	10908218	10908218	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
350	375 - 410	10908219	10908219	400	350	378	406.4	350	376	384	396	410	-
400	396 - 431	10908221	10908222	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -
400	420 - 455	10908223	10908224	-	400	429	-	400	-	438	452	-	-
450	457 - 492	10908225	10908226	-	450	480	457.0	400 450	- 482	- 492	- -	470 -	488 -
500	497 - 532	10908227	10908228	500	500	532	508	450	-	-	512	532	-
500	533 - 568	10908229	10908230	560	-	-	559	500	536	548	568	-	-
600	625 - 660	10908233	10908234	630	600	635	660	600	644	660	-	-	-
700	710 - 745	10908235	10908235	710	700	738	711.0	600	-	-	-	-	714
800	810 - 845	10908239	10908240	-	800	842	813.0	700	-	-	-	-	828
900	934 - 975	10908237	10908238	-	900	945	-	800 900	- 960	- -	- -	- -	946 -
1000	1034 - 1075	10908241	1 10908242	-	1000	1048	1067.0	900 1000	- -	- -	- -	1050 1066	-
1200	1219 - 1260	10908243	10908244	-	1200	1255	1219.0	-	-	-	-	-	-





Product description

- Multimaterial coupling with GFIX® grip system for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525

Test according

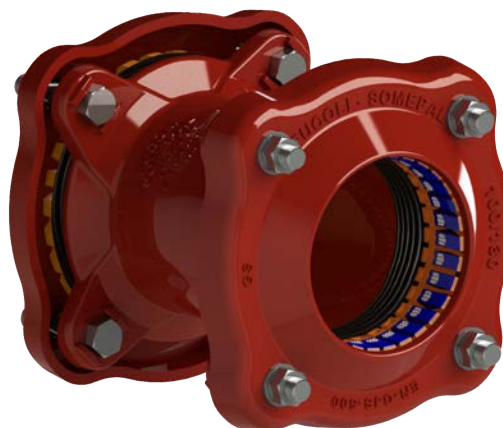
- EN 14525: Positive internal pressure and negative internal
- EN 545: Positive internal pressure

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Multimaterials coupling for waste water
- GFIX® system allows a high-fidelity seal/locking of the assembly without pipe disconnections
- The pipe block is performed by a tempered serrated rivets system mounted on the conical claws that fit and grip causing no damage on the pipe
- Sealing system in NBR
- The sealing is carried out through a seal with O-rings, mounted on a ring made by the grip support, which will slide until being pressed against the pipe
- Allows a maximum angle deflection of 8°
- Bolts and washers in stainless steel A2 and nuts in stainless steel A4 with anti-friction coated protection
- Bolts ends protected with plastic caps
- Allow the connection between pipes with several external diameters and different materials (PE, uPVC, ductile iron, steel, abestos ciment, glass fiber pipes and others)
- For PE or uPVC pipe applications, should be used an insert in stainless steel (ref.15.400)
- On request possibility of bolts, washers and nuts in stainless steel A4.

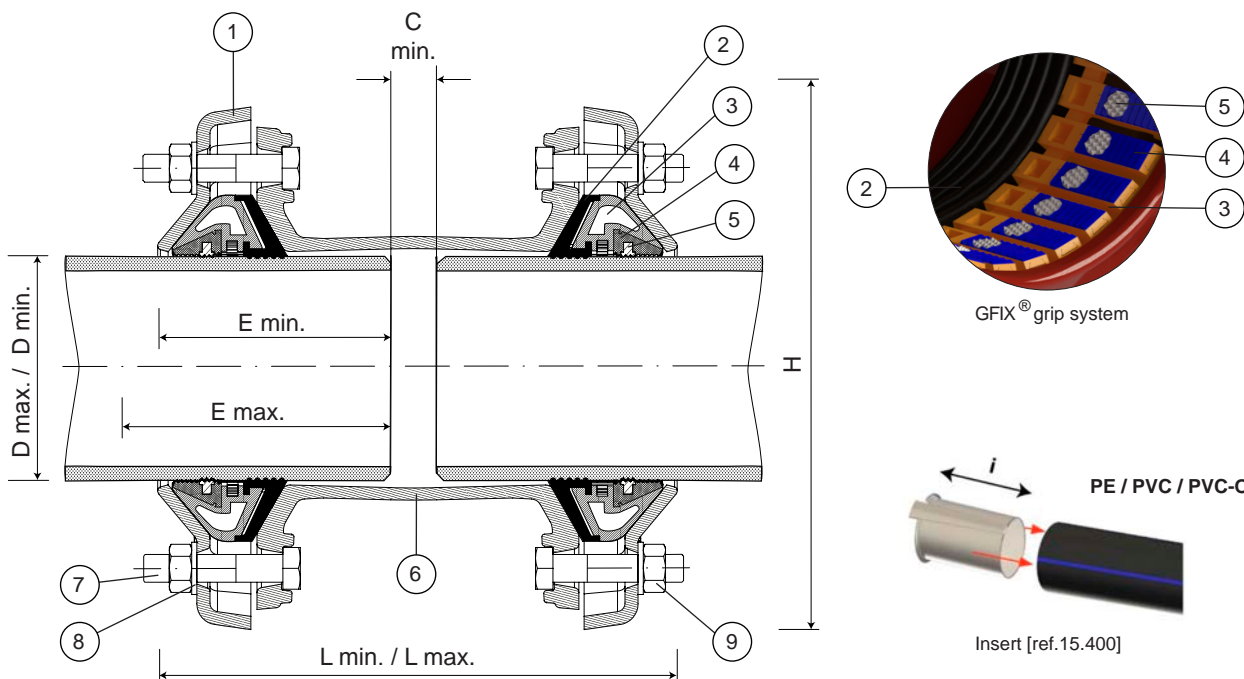


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Component list

pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing	Elastomer NBR	EN 681 - 1
3	Gripper support	POM	-
4	Gripper	POM	-
5	Rivets with milling	Tempered steel cq 15	DIN 1654

pos.	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2	EN 10088 - 1
8	Washers	Stainless steel A2	EN 10088 - 1
9	Nuts	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	D		L	H	E	C	Kg	i			
mm	min./max. mm - mm	code	min./max. mm - mm	mm	min./max. mm - mm	min. mm	approx.	insert* mm	Bolt		Torque
50	39 - 52	10908400	233 - 250	162	90 - 115	20	6	175	6 x M12	19 mm	50 - 70 Nm
50	49 - 64	10908401	231 - 250	175	90 - 115	20	6	175	6 x M12	19 mm	50 - 70 Nm
65	63 - 83	10908402	258 - 286	209	105 - 133	20	12	175	8 x M12	19 mm	50 - 70 Nm
80	72 - 93	10908415	257 - 286	217	105 - 133	20	13	175	8 x M12	19 mm	50 - 70 Nm
80	78 - 103	10908403	250 - 286	229	105 - 133	20	14	175	8 x M12	19 mm	50 - 70 Nm
100	87 - 117	10908404	244 - 286	243	105 - 133	20	15	175	8 x M12	19 mm	50 - 70 Nm
100	100 - 130	10908405	253 - 299	256	105 - 140	20	16	175	8 x M16	24 mm	90 - 120 Nm
125	117 - 147	10908406	253 - 299	273	105 - 140	20	19	175	8 x M16	24 mm	90 - 120 Nm
150	138 - 168	10908407	253 - 299	294	105 - 140	20	21	175	8 x M16	24 mm	90 - 120 Nm
150	152 - 182	10908408	288 - 330	308	115 - 155	20	21	200	8 x M16	24 mm	90 - 120 Nm
175	172 - 202	10908409	288 - 330	325	115 - 155	20	23	200	8 x M16	24 mm	90 - 120 Nm
200	198 - 228	10908410	288 - 330	354	115 - 155	20	28	200	8 x M16	24 mm	90 - 120 Nm
225	217 - 257	10908411	300 - 359	392	130 - 170	20	32	225	12 x M16	24 mm	90 - 120 Nm
250	245 - 285	10908412	383 - 440	434	150 - 210	20	39	225	12 x M16	24 mm	90 - 120 Nm
300	300 - 340	10908413	383 - 440	479	150 - 210	20	51	225	16 x M16	24 mm	90 - 120 Nm
350	340 - 380	10908414	383 - 440	519	150 - 210	20	55	225	16 x M16	24 mm	90 - 120 Nm
400	390 - 430	10908416	383 - 440	571	150 - 210	20	70	225	16 x M16	24 mm	90 - 120 Nm

* recommended for PE, uPVC or PVC-O pipes - insert [ref. 15.400]

Table of tolerances and pipes on next page



TABLE OF TOLERANCES AND PIPES

Tolerances	code	Pipes									
		HDPE / PE / PVC / PVC-u	Ductile iron		Steel	Asbestos cement					
D min. - max. mm - mm		ø ext. pipe mm	DN	ø ext. pipe mm	ø ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
39 - 52	10908400	40 50	-	-	42.4 48.3	-	-	-	-	-	-
49 - 64	10908401	50 63	40	56	48.3 60.3	-	-	-	-	-	-
63 - 83	10908402	63 75	50 60 65	66 77 82	76.1	50 60	66 76	66 76	66 76	66 76	66 78
72 - 93	10908415	75 90	60 65	77 82	76.1 88.9	60	76	76	76	76	76
78 - 103	10908403	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 96	78 -
87 - 117	10908404	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100 - 130	10908405	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
117 - 147	10908406	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
138 - 168	10908407	140 160	125	144	139.7	125 150	141 168	141 168	145 -	151 -	157 -
152 - 182	10908408	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
172 - 202	10908409	180 200	-	-	177.8 193.7	150	-	-	174	180	188
198 - 228	10908410	200 225	200	222	219.1	200	220	222	228	-	-
217 - 257	10908411	225 250	200	222	244.5	200	220	222	228	238	250
245 - 285	10908412	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
300 - 340	10908413	315	300	326	323.9	300	324	330	338	-	-
340 - 380	10908414	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
390 - 430	10908416	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -



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100% MADE IN EUROPE

LARGE TOLERANCE MULTIMATERIAL COUPLING FLANGE ADAPTOR 11.4001 WITH GFIX® GRIP SYSTEM DN 50 - 400 PN10/16



Product description

- Large tolerance multimaterial coupling flanged adaptor with GFIX® grip system for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 14525
- Flange drilling to EN 1092-2 PN10/16

Test according

- EN 14525: Positive internal pressure and negative internal
- EN 545: Positive internal pressure

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Large tolerance multimaterial coupling flanged adaptor for waste water
- GFIX® grip system allows a high-fidelity seal/locking of the assembly without pipe disconnections
- The pipe block is performed by a tempered serrated rivets system mounted on the conical claws that fit and grip causing no damage on the pipe
- Sealing system in NBR
- The sealing is carried out through a seal with O-rings, mounted on a ring made by the grip support, which will slide until being pressed against the pipe
- Allows a maximum angle deflection of 4°
- Bolts and washers in stainless steel A2 and nuts in stainless steel A4 with anti-friction coated protection
- Bolts ends protected with plastic caps
- Allow the connection between pipes with several external diameters and different materials (PE, uPVC, ductile iron, steel, asbestos cement, glass fiber pipes and others) to flanged component
- For PE or uPVC pipe applications, you should be used an insert in stainless steel inside the pipe (ref.15.400)
- On request possibility of bolts, washers and nuts in stainless steel A4.



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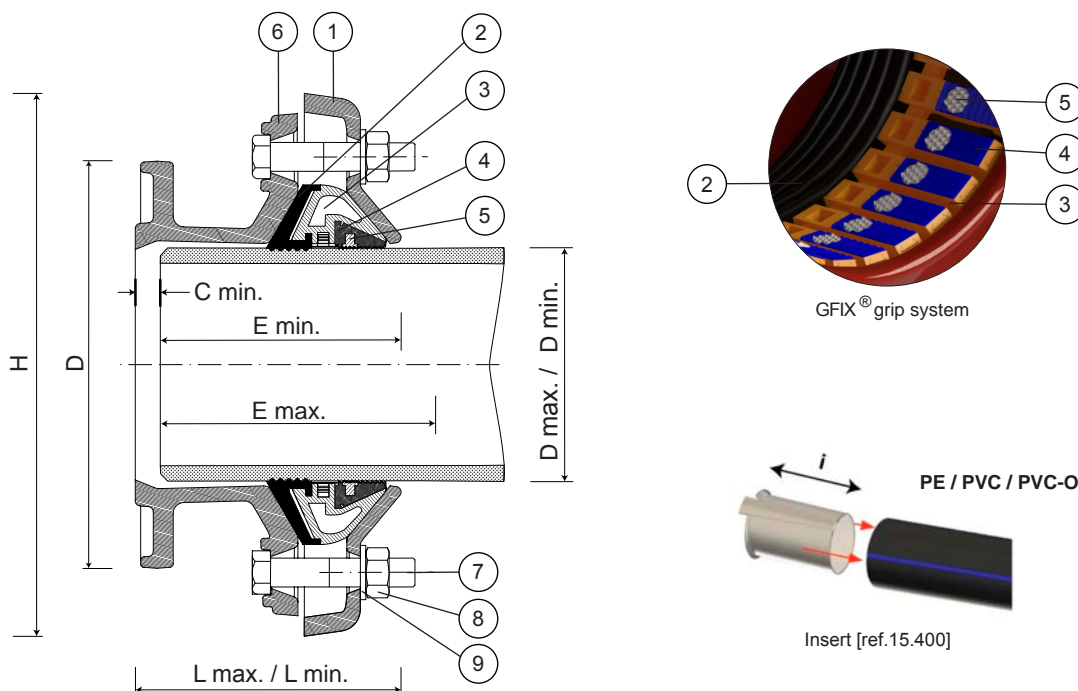
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LARGE TOLERANCE MULTIMATERIAL COUPLING FLANGE ADAPTOR WITH GFIX® GRIP SYSTEM

11.4001



DN 50 - 400 PN10/16




Component list

pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing	Elastomer NBR	EN 681 - 1
3	Gripper support	POM	-
4	Gripper	POM	-
5	Rivets with milling	Tempered steel cq 15	DIN 1654

pos.	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1
9	Washers	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN flange	D min./max. mm - mm	PN	code	L min./max. mm - mm	H mm	E min./max. mm - mm	C min. mm	i insert* mm	D flange mm	Bolt		Torque	Kg approx.
50	39 - 52	10/16	10908500	129 - 138	195	90 - 120	15	175	165	3 x M12	19 mm	50 - 70 Nm	5
50	49 - 64	10/16	10908501	128 - 138	197	90 - 120	15	175	165	3 x M12	19 mm	50 - 70 Nm	5
60/65	63 - 83	10/16	10908502	129 - 143	209	105 - 128	15	175	175/185	4 x M12	19 mm	50 - 70 Nm	8
80	78 - 103	10/16	10908503	125 - 143	229	105 - 128	15	175	200	4 x M12	19 mm	50 - 70 Nm	9
80/100	87 - 117	10/16	10908504	121 - 143	243	105 - 128	15	175	200/220	4 x M12	19 mm	50 - 70 Nm	10
100	100 - 130	10/16	10908505	127 - 150	256	105 - 130	20	175	220	4 x M16	24 mm	90 - 120 Nm	10
125	117 - 147	10/16	10908506	127 - 150	273	105 - 130	20	175	250	4 x M16	24 mm	90 - 120 Nm	12
150	152 - 182	10/16	10908507	147 - 168	308	115 - 145	20	175	285	4 x M16	24 mm	90 - 120 Nm	14
200	198 - 228	10/16	10908508	147 - 168	354	115 - 145	20	200	340	4 x M16	24 mm	90 - 120 Nm	18
200	245 - 285	10/16	10908524	251 - 280	424	150 - 180	95	200	340	6 x M16	24 mm	90 - 120 Nm	30
250	245 - 285	10/16	10908509	191 - 220	420	150 - 180	30	225	400	6 x M16	24 mm	90 - 120 Nm	27
300	300 - 340	10/16	10908510	191 - 220	479	150 - 180	30	225	455	8 x M16	24 mm	90 - 120 Nm	35
300	340 - 380	10/16	10908525	271 - 300	519	150 - 180	110	225	455	8 x M16	24 mm	90 - 120 Nm	49
350	340 - 380	10/16	10908511	191 - 220	520	150 - 180	40	225	505/520	8 x M16	24 mm	90 - 120 Nm	42
400	390 - 430	10	10908513	191 - 220	571	150 - 180	40	225	565	8 x M16	24 mm	90 - 120 Nm	49
400	390 - 430	16	10908514	191 - 220	571	150 - 180	40	225	580	8 x M16	24 mm	90 - 120 Nm	52

* recommended for PE, uPVC or PVC-O pipes - insert [ref. 15.400]

Table of tolerances and pipes on next page

TABLE OF TOLERANCES AND PIPES



DN	Tolerances D min. - max. mm - mm	code		Pipes									
		PN10	PN16	HDPE / PE / PVC / PVC-u	Ductile iron		Steel	Asbestos cement					
				∅ ext. pipe mm	DN	∅ ext. pipe mm	∅ ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
50	39 - 52	10908500	10908500	40 50	-	-	42.4 48.3	-	-	-	-	-	-
50	49 - 64	10908501	10908501	50 63	40	56	48.3 60.3	-	-	-	-	-	-
60/65	63 - 83	10908502	10908502	63 75	50 60 65	66 77 82	76.1	50 60	66 76	66 76	66 76	66 76	66 78
80	78 - 103	10908503	10908503	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 -
80/100	87 - 117	10908504	10908504	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	100 - 130	10908505	10908505	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
125	117 - 147	10908506	10908506	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
150	152 - 182	10908507	10908507	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
200	198 - 228	10908508	10908508	200 225	200	222	219.1	200	220	222	228	-	-
200	245 - 285	10908524	10908524	250 280	200	274	273	200 250	- 272	- 276	- -	- -	250 -
250	245 - 285	10908509	10908509	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
300	300 - 340	10908510	10908510	315	300	326	323.9	300	324	330	338	-	-
300	340 - 380	10908525	10908525	315	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
350	343 - 378	10908511	10908511	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
400	390 - 430	10908513	10908514	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -



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100% MADE IN EUROPE

DISMANTLING JOINT
with steel zinc plated bolts
DN 40 - 1200 PN10/16

11.5000



Product description

- Dismantling joint with steel zinc plated bolts for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16

Tests

- Tested according to EN 12266-1

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Dismantling joint for waste water
- Facilitates installation and disassembly of flanged pipework and fittings, or equipment with flanges, such as valves, meters and pumps
- Allows for 50mm axis/longitudinal adjustments across the entire range
- Appropriate for pipe force transmission
- It consists of two main flanged parts, which slide between them, and a loose flange that compresses the sealing
- NBR sealing gaskets
- Equipped with continuous threaded bolts, no additional screws are required for joint assembly.



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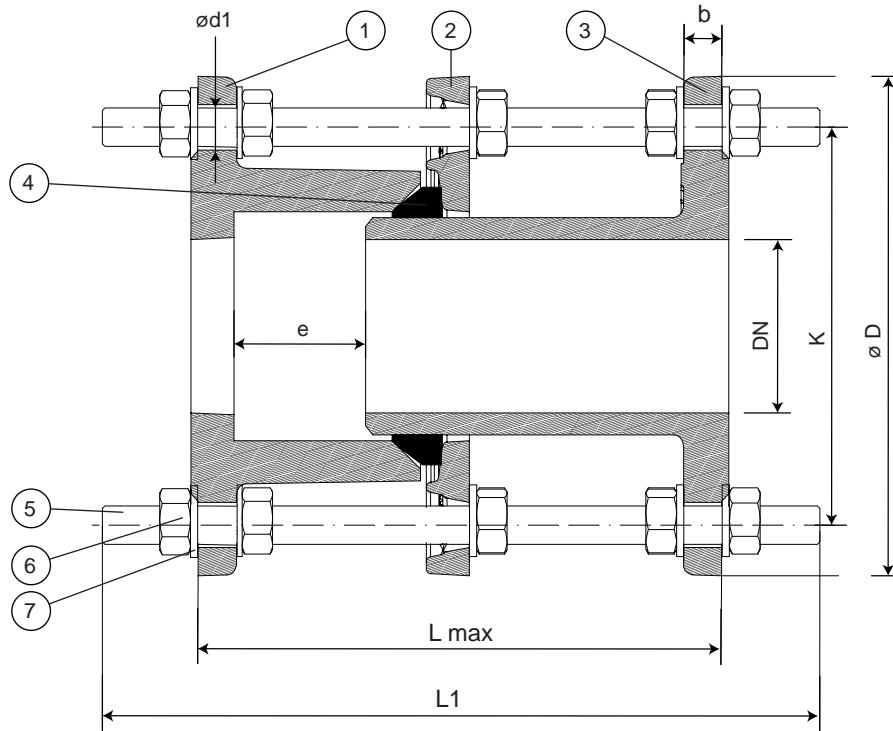
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DISMANTLING JOINT
with steel zinc plated bolts
 DN 40 - 1200 PN10/16

11.5000



Component list

pos.	components	material	norma	pos.	components	material	norma
1	External flange	Ductile iron EN-GJS-500-7	EN 1563	4	Sealing	Elastomer NBR	EN 681 - 1
2	Loose flange	Ductile iron EN-GJS-500-7	EN 1563	5	Pernos roscados	Steel zinc plated cl 8.8	ISO 898-1
3	Inside flange	Ductile iron EN-GJS-500-7	EN 1563	6	Nuts	Steel zinc plated cl 8	ISO 898-2
				7	Washers	Steel zinc plated	ISO 898-2

Reference and dimensions

DN	PN	code	L max	e	$\varnothing D$	K	n° x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
40	10/16	10181001	205	50	150	110	4 x 19	19	9	4 x M16	300
50	10/16	10181002	205	50	165	125	4 x 19	19	10	4 x M16	300
60	10/16	10181003	205	50	175	135	4 x 19	19	11	4 x M16	300
65	10/16	10181004	205	50	185	145	4 x 19	19	12	4 x M16	300
80	10/16	10181005	225	50	200	160	8 x 19	19	17	8 x M16	320
100	10/16	10181006	225	50	220	180	8 x 19	19	20	8 x M16	320
125	10/16	10181007	225	50	250	210	8 x 19	19	22	8 x M16	320
150	10/16	10181008	225	50	285	240	8 x 23	19	30	8 x M20	360
200	10	10181009	245	50	340	295	8 x 23	20	41	8 x M20	360
200	16	10181039	245	50	340	295	12 x 23	20	46	12 x M20	380
250	10	10181010	245	50	400	350	12 x 23	22	56	12 x M20	360
250	16	10181040	245	50	400	355	12 x 28	22	62	12 x M24	395
300	10	10181011	245	50	455	400	12 x 23	24.5	66	12 x M20	360
300	16	10181041	245	50	455	410	12 x 28	24.5	77	12 x M24	395
350	10	10181012	255	50	505	460	16 x 23	24.5	92	16 x M20	380
350	16	10181042	255	50	520	470	16 x 28	26.5	100	16 x M24	430
400	10	10181013	255	50	565	515	16 x 28	24.5	109	16 x M24	430
400	16	10181043	255	50	580	525	16 x 31	28	129	16 x M27	430
450	10	10181014	275	50	615	565	20 x 28	25.5	136	16 x M27	430

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DISMANTLING JOINT
with steel zinc plated bolts
DN 40 - 1200 PN10/16

11.5000



continued from previous page

DN	PN	code	L max	e	ø D	K	nº x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
450	16	10181044	275	50	640	585	20 x 31	30	170	20 x M27	430
500	10	10181015	285	50	670	620	20 x 28	26.5	152	20 x M24	430
500	16	10181045	285	50	715	650	20 x 34	31.5	219	20 x M30	480
600	10	10181323	285	50	780	725	20 x 31	30	192	20 x M27	430
600	16	10181046	285	50	840	770	20 x 37	36	299	20 x M33	500
700	10	10181016	285	50	895	840	24 x 31	32.5	255	24 x M27	430
700	16	10181047	285	50	910	840	24 x 37	39.5	367	24 x M33	500
800	10	10181017	315	50	1015	950	24 x 34	35	340	24 x M30	480
800	16	10181048	315	50	1025	950	24 x 41	43	477	24 x M36	550
900	10	10181018	350	50	1115	1050	28 x 34	37.5	427	28 x M30	480
900	16	10181049	350	50	1125	1050	28 x 41	46.5	547	28 x M36	550
1000	10	10181019	360	50	1230	1160	28 x 37	40	529	28 x M33	540
1000	16	10181050	360	50	1255	1170	28 x 44	50	732	28 x M39	600
1200	10	10181020	450	50	1455	1380	32 x 41	45	890	32 x M36	670
1200	16	10181051	450	50	1485	1390	32 x 50	57	1196	32 x M45	710



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DISMANTLING JOINT
with stainless steel bolts
DN 40 - 1200 PN10/16

11.5001



Product description

- Dismantling joint with stainless steel bolts for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Flange drilling to EN 1092-2 PN10/16/25

Tests

- Tested according to EN 12266-1

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK (RAL-GZ662) guidelines

Features

- Dismantling joint for waste water
- Facilitates installation and disassembly of flanged pipework and fittings, or equipment with flanges, such as valves, meters and pumps
- Allows for 50mm axis/longitudinal adjustments across the entire range
- Appropriate for pipe force transmission
- It consists of two main flanged parts, which slide between them, and a loose flange that compresses the sealing
- NBR sealing gaskets
- Equipped with continuous threaded bolts, no additional screws are required for joint assembly
- On request possibility of bolts and washers in stainless steel A4.



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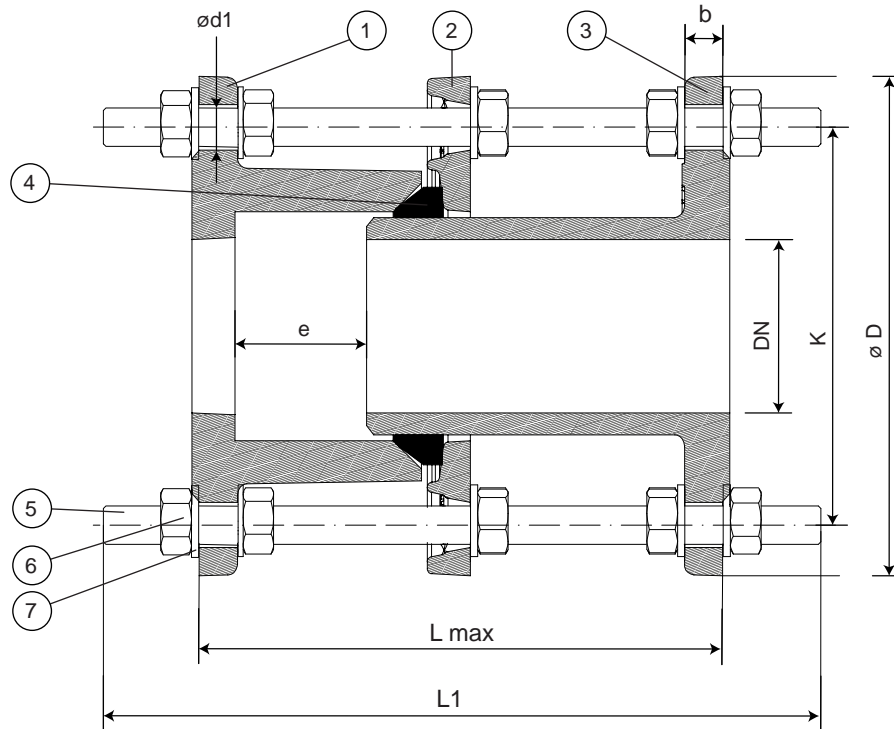
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Ed.8 Rev. 0
07-2022

Being one of the main objectives of our company the development and satisfaction of our customers, we reserve the right to update, change or replace the specifications presented without prior notice.

DISMANTLING JOINT
with stainless steel bolts
 DN 40 - 1200 PN10/16

11.5001



Component list

pos.	components	material	norma	pos.	components	material	norma
1	External flange	Ductile iron EN-GJS-500-7	EN 1563	4	Sealing	Elastomer NBR	EN 681 - 1
2	Loose flange	Ductile iron EN-GJS-500-7	EN 1563	5	Threaded bolts	Stainless steel A2	EN 10088-1
3	Inside flange	Ductile iron EN-GJS-500-7	EN 1563	6	Nuts	Stainless steel A4	EN 10088-1
				7	Washers	Stainless steel A2	EN 10088-1

Reference and dimensions

DN	PN	code	L max	e	$\varnothing D$	K	n° x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
40	10/16	10181200	205	50	150	110	4 x 19	19	9	4 x M16	300
50	10/16	10181202	205	50	165	125	4 x 19	19	10	4 x M16	300
60	10/16	10181203	205	50	175	135	4 x 19	19	11	4 x M16	300
65	10/16	10181204	205	50	185	145	4 x 19	19	12	4 x M16	300
80	10/16	10181205	225	50	200	160	8 x 19	19	17	8 x M16	320
100	10/16	10181206	225	50	220	180	8 x 19	19	20	8 x M16	320
125	10/16	10181207	225	50	250	210	8 x 19	19	22	8 x M16	320
150	10/16	10181208	225	50	285	240	8 x 23	19	30	8 x M20	360
200	10	10181209	245	50	340	295	8 x 23	20	41	8 x M20	360
200	16	10181239	245	50	340	295	12 x 23	20	46	12 x M20	380
250	10	10181210	245	50	400	350	12 x 23	22	56	12 x M20	360
250	16	10181240	245	50	400	355	12 x 28	22	62	12 x M24	395
300	10	10181211	245	50	455	400	12 x 23	24.5	66	12 x M20	360
300	16	10181241	245	50	455	410	12 x 28	24.5	77	12 x M24	395
350	10	10181212	255	50	505	460	16 x 23	24.5	92	16 x M20	380
350	16	10181242	255	50	520	470	16 x 28	26.5	100	16 x M24	430
400	10	10181213	255	50	565	515	16 x 28	24.5	109	16 x M24	430
400	16	10181243	255	50	580	525	16 x 31	28	129	16 x M27	430
450	10	10181214	275	50	615	565	20 x 28	25.5	136	16 x M27	430

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DISMANTLING JOINT
with stainless steel bolts
 DN 40 - 1200 PN10/16

11.5001



continued from previous page

DN	PN	code	L max	e	ø D	K	nº x d1	b	Kg	threaded bolts	L1
mm			mm	mm	mm	mm	mm	mm	approx.		mm
450	16	10181244	275	50	640	585	20 x 31	30	170	20 x M27	430
500	10	10181215	285	50	670	620	20 x 28	26.5	152	20 x M24	430
500	16	10181245	285	50	715	650	20 x 34	31.5	219	20 x M30	480
600	10	10181223	285	50	780	725	20 x 31	30	192	20 x M27	430
600	16	10181246	285	50	840	770	20 x 37	36	299	20 x M33	500
700	10	10181216	285	50	895	840	24 x 31	32.5	255	24 x M27	430
700	16	10181247	285	50	910	840	24 x 37	39.5	367	24 x M33	500
800	10	10181217	315	50	1015	950	24 x 34	35	340	24 x M30	480
800	16	10181248	315	50	1025	950	24 x 41	43	477	24 x M36	550
900	10	10181218	350	50	1115	1050	28 x 34	37.5	427	28 x M30	480
900	16	10181249	350	50	1125	1050	28 x 41	46.5	547	28 x M36	550
1000	10	10181219	360	50	1230	1160	28 x 37	40	529	28 x M33	540
1000	16	10181250	360	50	1255	1170	28 x 44	50	732	28 x M39	600
1200	10	10181120	450	50	1455	1380	32 x 41	45	890	32 x M36	670
1200	16	10181251	450	50	1485	1390	32 x 50	57	1196	32 x M45	710



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ROUND MANHOLE COVER SERIES EIXO E DOBRADIÇA C250 and D400

12.100



Product description

- Round manhole cover series EIXO E DOBRADIÇA
- Water based black painting

Installation location

- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Designed according to EN 124-1/2

Certifications

- Certificate Certif "D400" DDA - 011/2021
- Certificate Certif "Intense Traffic" DDA - 005/2021

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Hinge system with self-cleaning system, simply opening of the manhole at 120° and safety 90° blocking system. Fit and remove is making through moving the cover to 90° and lift clear.
- Innovative system of conical closing that due to the ramped design, both frame and lock, the cover closes automatically with its own weight or the weight of the first vehicle which passes over. Also allowing the gradual adjustment of the lock with the conical cavity for it in the frame maintaining the absence of glitches. Locking system which allows that the manhole cover can be opened by the inside. If necessary, the lock can be easily replaced, since it's an independent piece
- Elastomer-coated lock to ensure silent operation
- Frame prepared to install the anti-theft system
- The cover have a local to install an additional security lock. This lock may be conventional or inviolable and can be installed at any moment
- Elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operation even in high traffic intensity
- Stability conferred by the 6 guides in the cover for centrally positioned and stability in the frame, while minimizing the movement of the cover relative to the frame, ensures the horizontal and vertical stability of the set
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



600 - D400



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**ROUND MANHOLE COVER
SERIES EIXO E DOBRADIÇA
C250 and D400**

12.100



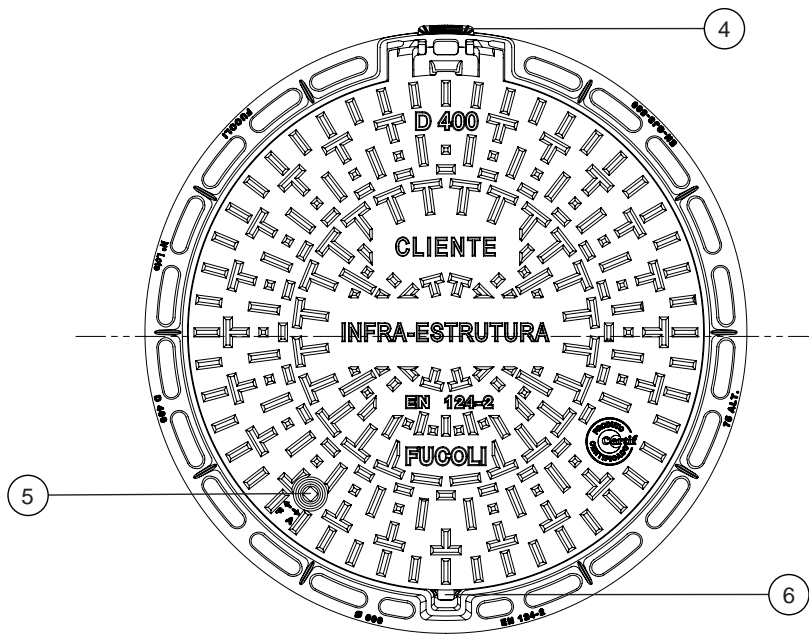
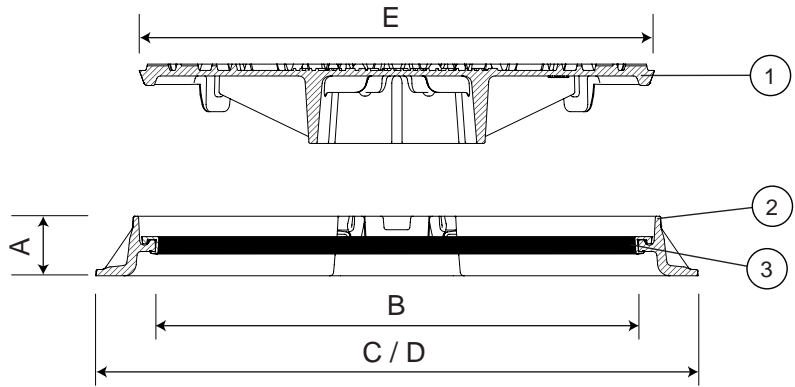
Model with 75 mm height frame



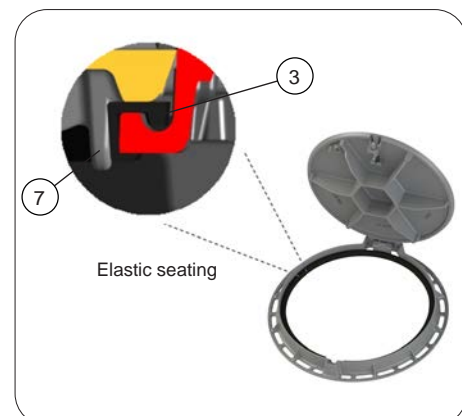
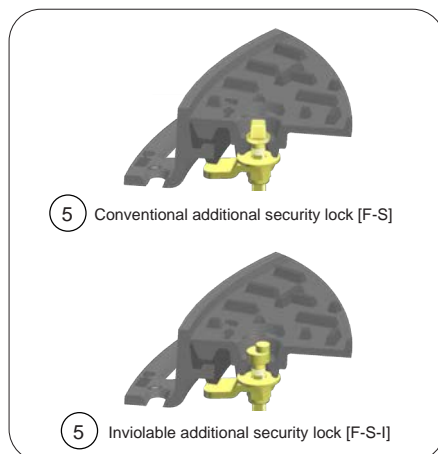
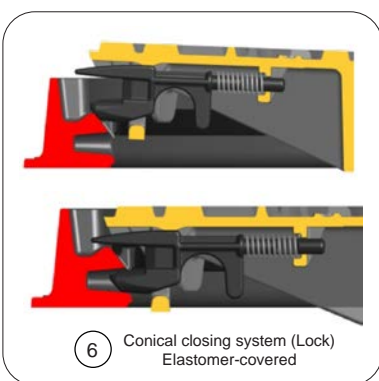
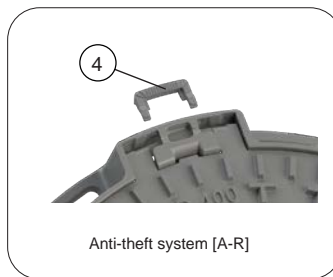
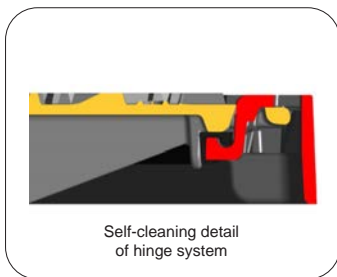
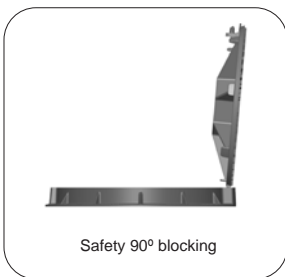
Model with 100 mm height frame



Series Águas do Porto



Product features



continued on next page

ROUND MANHOLE COVER SERIES EIXO E DOBRADIÇA C250 and D400

12.100



continued from previous page

Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3	Elastic seating anti-noise	EVA copolymer	-
4	Anti-theft system [A-R]	Ductile iron EN-GJS-500-7	EN 1563
5	Conventional security lock	Steel Zinc plated 8.8	-
6	Lock	Ductile iron EN-GJS-500-7	EN 1563
7	Lock covering	Elastomer	EN 681 -1
8	Guide of the cover	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Subtitle:
Lock - Conical closing system
[F-S] - Conventional security lock
[F-S-I] - Inviolable security lock
[A-R] - Anti-theft system

DN - Class - Model	code	Lock	[F-S]	[F-S-I]	[A-R]	Frame				Cover	Weight	
						height	clear opening	ø external	ø ext. with stone-bolt	ø external	Cover kg	Total kg
						mm	mm	mm	mm	mm	approx.	approx.
600 - D400 75 Height	24B1C14EAFBZZZZ00EE	•				75	600	765	765	650	31	50
600 - D400 75 Height	24B1C14EAFBZZZZ00GE	•	•			75	600	765	765	650	31	50
600 - D400 75 Height	24B1C14EAFBZZZZ00HE	•		•		75	600	765	765	650	31	50
600 - D400 75 Height	24B1C14EAFBZZZZ00IE	•			•	75	600	765	765	650	31	50
600 - D400 75 Height	24B1C14EAFBZZZZ00JE	•	•		•	75	600	765	765	650	31	50
600 - D400 75 Height	24B1C14EAFBZZZZ00KE	•		•	•	75	600	765	765	650	31	50
600 - D400 100 Height	24B1C14EAIBZZZZ00EE	•				100	600	850	850	650	31	55
600 - D400 100 Height	24B1C14EAIBZZZZ00GE	•	•			100	600	850	850	650	31	55
600 - D400 100 Height	24B1C14EAIBZZZZ00HE	•		•		100	600	850	850	650	31	55
600 - D400 100 Height	24B1C14EAIBZZZZ00IE	•			•	100	600	850	850	650	31	55
600 - D400 100 Height	24B1C14EAIBZZZZ00JE	•	•		•	100	600	850	850	650	31	55
600 - D400 100 Height	24B1C14EAIBZZZZ00KE	•		•	•	100	600	850	850	650	31	55
600 - Águas do Porto	24B1C14EAIEZZAPT20GE	•	•			100	600	850	850	650	31	55
600 - Águas do Porto	24B1C14EAIEZZAPT20JE	•	•		•	100	600	850	850	650	31	55
600 - D400 Intense Traffic	24B1C14IAIBZZZZ00EE	•				100	600	850	850	650	40	64
600 - D400 Intense Traffic	24B1C14IAIBZZZZ00IE	•			•	100	600	850	850	650	40	64
750 - D400 100 Height	24B1CX4EAIBZZZZ00EE	•				100	750	1006	1006	805	53	81
750 - D400 100 Height	24B1CX4EAIBZZZZ00IE	•			•	100	750	1006	1006	805	53	81
600 - C250 75 Height	24B1C13EAFBZZZZ00EE	•				75	600	765	765	605	31	50
600 - C250 75 Height	24B1C13EAFBZZZZ00GE	•	•			75	600	765	765	605	31	50
600 - C250 75 Height	24B1C13EAFBZZZZ00IE	•			•	75	600	765	765	605	31	50
600 - C250 75 Height	24B1C13EAFBZZZZ00JE	•	•		•	75	600	765	765	605	31	50



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100% MADE IN EUROPE

ROUND MANHOLE COVER SERIES FUCOLI WITH LOCKING SYSTEM D400

12.101



Product description

- Round manhole cover series FUCOLI with locking system
- Water based black painting

Installation location

- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Designed according to EN 124-1/2

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with a robust conception
- Elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operating even in high traffic intensity
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



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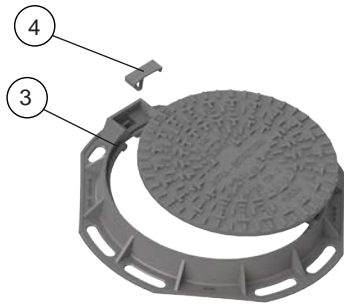
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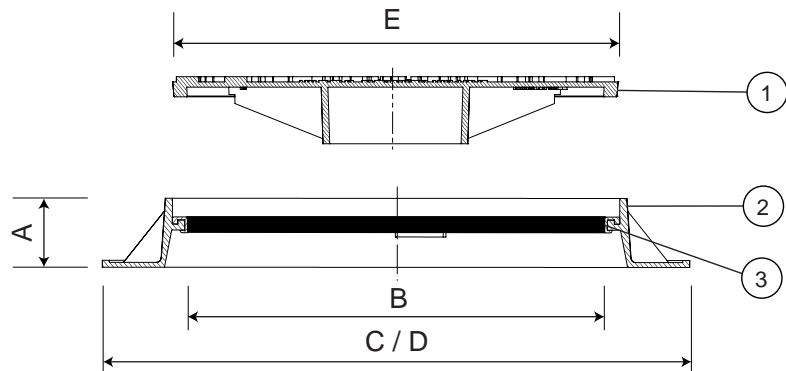
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**ROUND MANHOLE COVER
SERIES FUCOLI WITH LOCKING SYSTEM
D400**

12.101



Fucoli 600



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3	Elastic seating anti-noise	Polyethylene	-
4	Lock	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model - DN - Class	code	Frame				Cover	Weight	
		height mm	clear opening mm	∅ external mm	∅ ext. with stone-bolt mm	∅ exterior mm	Cover kg	Total kg
		A	B	C	D	E	approx.	approx.
Fucoli 600 - D400	24B1C14FNIBZZZZ00EC	100	600	855	855	650	34	66
Fucoli / EPA LZ 600 - D400	24B1C14FNIELGEPL10EC	100	600	855	855	650	34	66



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Product description

- Round manhole cover series ULTRA
- Water based black painting
- Hydraulic sealing or elastic seating anti-noise

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Performance according to EN 124-1/2

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with two lifting points for easy operation/handling
- Cover with a robust conception
- Available with hydraulic sealing to prevent the odours or with elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operating even in high traffic intensity
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



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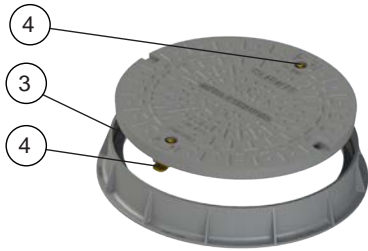
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**ROUND MANHOLE COVER
SERIES ULTRA
B125, C250 and D400**

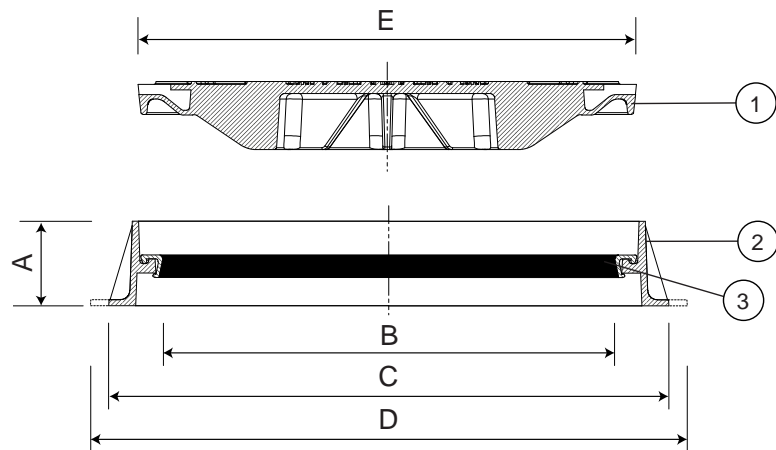
12.102



Ultra 500 with high frame, elastic sealing and 2 security locks



Ultra 500



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3	Elastic seating anti-noise	Polyethylene	-
4	Additional security lock	Zinc 8.8	-

Reference and dimensions

Model - DN - Class	code	Frame				Cover		hydraulic sealing Y / N	Weight	
		height mm A	clear opening mm B	Ø external mm C	Ø ext. with stone-bolt mm D	Ø external mm E	Cover kg approx.		Total kg approx.	
* Ultra 300 - B125	24B1BE2UNBBZZZZ00AA	35	273	340	410	310	Y	7	10	
* Ultra 400 - B125	24B1BO2UNBBZZZZ00AA	39	370	450	525	420	Y	11	16	
* Ultra 400 - D400	24B1BO4UNBBZZZZ00AA	39	370	450	525	420	Y	18	23	
* Ultra 500 - B125	24B1BY2UNCBZZZZ00AA	46	465	575	645	530	Y	16	24	
* Ultra 500 - C250	24B1BY3UNCBZZZZ00AA	46	465	575	645	530	Y	23	31	
* Ultra 500 - D400	24B1BY4UNCBZZZZ00AA	46	465	575	645	530	Y	29	37	
Ultra 500 - B125 with high frame and elastic sealing	24B1BY2UNHBZZZZ00AC	90	485	595	595	530	N	16	30	
Ultra 500 - C250 with high frame and elastic sealing	24B1BY3UNHBZZZZ00AC	90	485	595	595	530	N	23	37	
Ultra 500 - D400 with high frame and elastic sealing	24B1BY4UNHBZZZZ00AC	90	485	595	595	530	N	24	43	
Ultra 500 - D400 with high frame, elastic sealing and 2 security locks	24B1BY4UNHBZZZZ00LC	90	485	595	595	530	N	24	39	
* Ultra 550 - B125	24B1CD2UNDBZZZZ00AA	52	500	595	665	550	Y	24	33	
* Ultra 550 - C250	24B1CD3UNDBZZZZ00AA	52	500	595	665	550	Y	27	36	
* Ultra 550 - D400	24B1CD4UNDBZZZZ00AA	52	500	595	665	550	Y	30	39	
* Ultra 600 - B125	24B1CI2UNCBZZZZ00AA	46	600	710	710	665	Y	25	37	



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ROUND MANHOLE COVER SERIES FUCOLI B125, C250, D400 and E600

12.103



Product description

- Round manhole cover series FUCOLI
- Water based black painting
- Hydraulic sealing or elastic seating anti-noise

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles
- Class E600 - Areas imposing high wheel loads, e.g. docks, aircraft pavements

Standards

- Designed according to EN 124-1/2

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with two lifting points for easy operation/handling
- Cover with a wide range of diameters and resistance class
- Cover with a robust conception
- Available with hydraulic sealing to prevent the odours or with elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operating even in high traffic intensity
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



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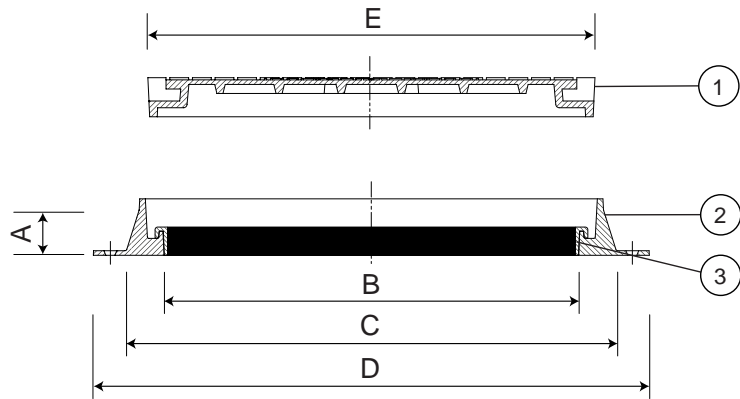
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**ROUND MANHOLE COVER
SERIES FUCOLI
B125, C250, D400 and E600**

12.103



Fucoli 550



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3a	Elastic seating anti-noise	Polyethylene	-
3b	Elastic seating anti-noise	Flexible PVC	-

Reference and dimensions

pos.	Model - DN - Class	code	Frame				Cover	hydraulic sealing Y / N	Weight	
			height mm A	clear opening mm B	∅ external mm C	∅ ext. with stone-bolt mm D	∅ external mm E		Cover kg approx.	Total kg approx.
-	*Fucoli 550 - B125	24B1CD2FNFBZZZZ00AA	75	550	665	738	594	Y	27	42
-	*Fucoli 550 - C250	24B1CD3FNFBZZZZ00AA	75	550	665	738	594	Y	35	50
-	*Fucoli 550 - D400	24B1CD4FNFBZZZZ00AA	75	550	665	738	594	Y	49	64
-	*Fucoli 600 - D400	24B1CI4FNFBZZZZ00AA	75	600	750	785	676	Y	57	75
3a	Fucoli 600 - D400	24B1CI4FNFBZZZZ00AC	75	626	750	785	676	N	57	74
-	*Fucoli 600 - E600	24B1CI5FNFBZZZZ00AA	75	600	750	785	676	Y	80	99
3a	Fucoli 600 - E600	24B1CI5FNFBZZZZ00AC	75	626	750	785	676	N	80	97
3b	*Fucoli 800 - B125	24B1DC2FNFBZZZZ00AA	75	800	893	980	830	N	43	73



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Product description

- Round manhole cover series FUCOLI 800
- Water based black painting

Installation location

- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

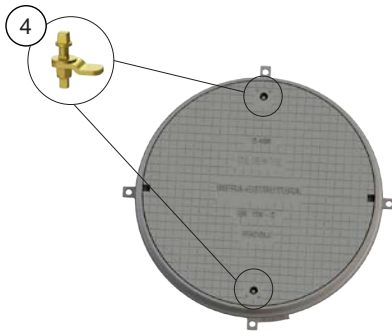
Standards

- Designed according to EN 124-1/2

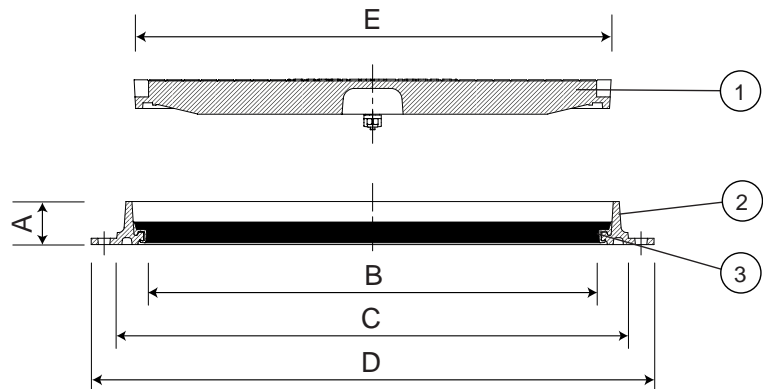
Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with a robust conception
- Elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operating even in high traffic intensity
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.





Fucoli 800 with 2 security locks



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3	Elastic seating anti-noise	Flexible PVC	-
4	Additional security lock	Zinc 8.8	-

Reference and dimensions

Model - DN - Class	code	Frame				Cover	Weight	
		height mm	clear opening mm	∅ external mm	∅ ext. with stone-bolt mm	∅ exterior mm	Cover kg	Total kg
		A	B	C	D	E	approx.	approx.
Fucoli 800 - D400 with 2 security locks	24B1DC4FNFBZZZZ00LB	75	800	893	980	830	92	122





Product description

- Round manhole cover series ESTANQUE
- Water based black painting

Installation location

- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Designed according to EN 124-1/2

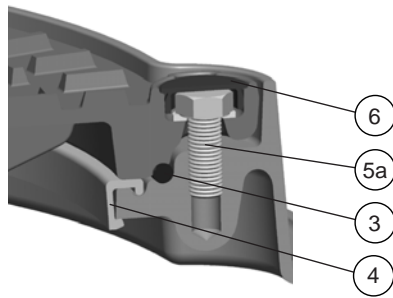
Certifications

- Certificate Certif "D400" DDA - 007/2021

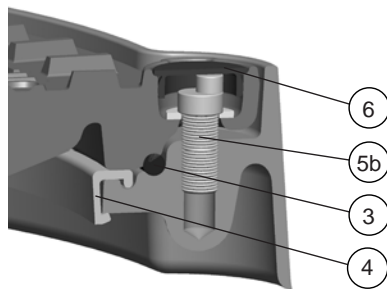
Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with a robust conception
- Cover with two lifting points for easy operation/handling
- Elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operating even in high traffic intensity
- O-ring seal that makes the watertight at 3 bar
- Available in 2 models:
 - A. Series Estanque 600 is supplied with 6 hexagonal bolts for fixing the cover to the frame
 - B. Series Estanque 600 with [P-I] is supplied with 4 hexagonal bolts, plus 2 inviolable bolts that work as an anti-theft system
- All screws are protected by a protective cover
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.

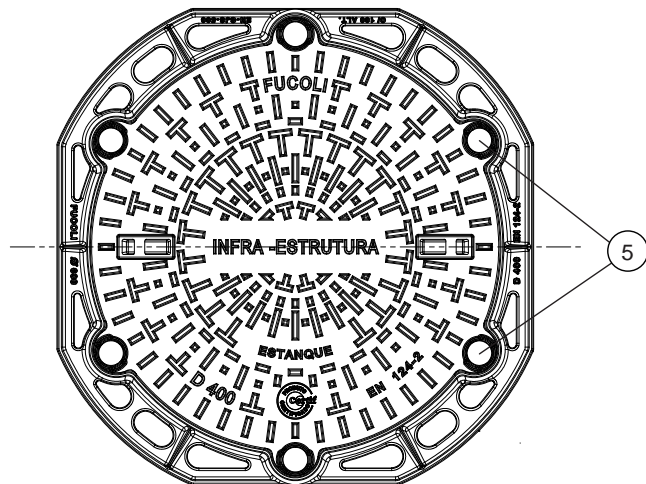
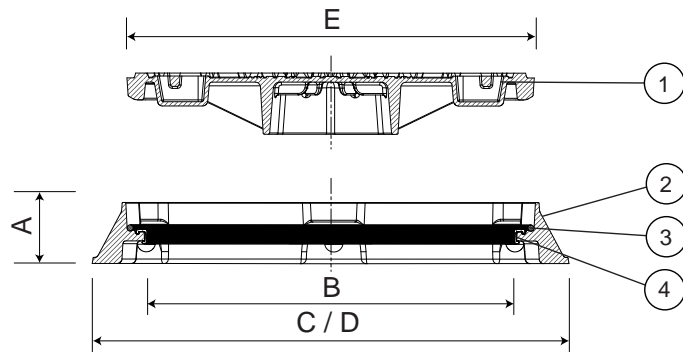




Detail of stainless steel A2 screw



Detail of inviolable stainless steel A2 screw [P-I]



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3	O-ring	Elastomer NBR	EN 681 - 1
4	Elastic seating anti-noise	Flexible PVC	-
5a	Bolt	Stainless steel A2	EN 10088 - 1
5b	Inviolable bolt	Stainless steel A2	EN 10088 - 1
6	Protection cap	Polyethylene (PE-LD)	-

Reference and dimensions

Model - DN - Class	code	Frame				Cover	Weight	
		height	clear opening	ø external	ø ext. with stone-bolt	ø external	Cover kg	Total kg
		A	B	C	D	E	approx.	approx.
Estanque 600 - D400	24B1C14QNIBZZZZ00NB	100	600	850	850	650	46	74
Estanque 600 - D400 with [P-I]	24B1C14QNIBZZZZ00OB	100	600	850	850	650	46	74





Product description

- Round manhole cover series LISBOA
- Water based black painting

Installation location

- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Designed according to EN 124-1/2

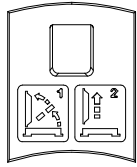
Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Frame with 4 rag-bolts for fixation
- Available in 2 models:
 - A. Articulated model:
 - simple hinged manhole with a simple opening at 110° and a safety 90° blocking device
 - hinge with self-cleaning system
 - removable cover when open at 90°
 - cover with handle area for opening using a lever key, pickage or hook
 - B. Not articulated model:
 - cover with two lifting points for easy operation/handling
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



ROUND MANHOLE COVER
SERIES LISBOA
D400

12.106



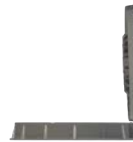
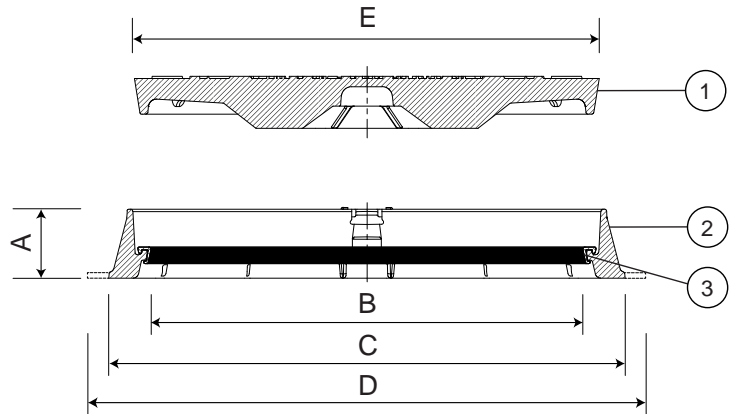
Detail of the handles
Lisboa articulada



Lisboa articulada
customized with
C. M. Lisboa logo



Lisboa não articulada
customized with
C. M. Lisboa logo



Safety 90° blocking
Lisboa articulada

Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3a	Elastic seating anti-noise	Polyethylene	-
3b	Elastic seating anti-noise	Neoprene	-

Reference and dimensions

pos.	Model - DN - Class	code	Frame				Cover	Weight	
			height mm A	clear opening mm B	∅ external mm C	∅ ext. with stone-bolt mm D	∅ external mm E	Cover kg approx.	Total kg approx.
3a	Lisboa 600 articulada - D400	24B1CI4LAIBZZZZ00AC	100	626	750	900	676	62	91
3b	Lisboa 600 articulada - D400	24B1CI4LAIBZZZZ00AD	100	626	750	900	676	62	91
3a	Lisboa 600 não articulada - D400	24B1CI4LNIBZZZZ00AC	100	626	750	900	676	62	91
3b	Lisboa 600 não articulada - D400	24B1CI4LNIBZZZZ00AD	100	626	750	900	676	62	91



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Product description

- Round manhole cover series PROGRESS
- Water based black painting

Installation location

- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles
- Heavy/normal traffic zone and periodic visits

Standards

- Designed according to EN 124-1/2

Certifications

- Certificate Certif "D400" DDA - 003/2024

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Simple hinged manhole with a simple opening at 110° and a safety 90° blocking device
- Removing the cover and setting it vertically on the frame
- Automatic closure-locking system by way of a ductile iron elastic bar, incorporated in the cover
- Frame prepared to install the anti-theft system
- Hinge system with self-cleaning system
- The cover have a local to install an additional security lock. This lock may be conventional or inviolable and can be installed at any moment
- Elastic seating which assures the cover perfectly fits the frame and also gives stability and silent operating even in high traffic intensity
- Stability conferred by the 6 guides in the cover for centrally positioned and stability in the frame, while minimizing the movement of the cover relative to the frame, ensures the horizontal and vertical stability of the set
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



**ROUND MANHOLE COVER
SERIES PROGRESS
C250 e D400**

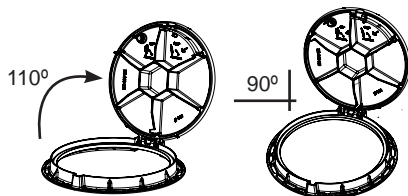
12.110



Model with 75 mm height frame

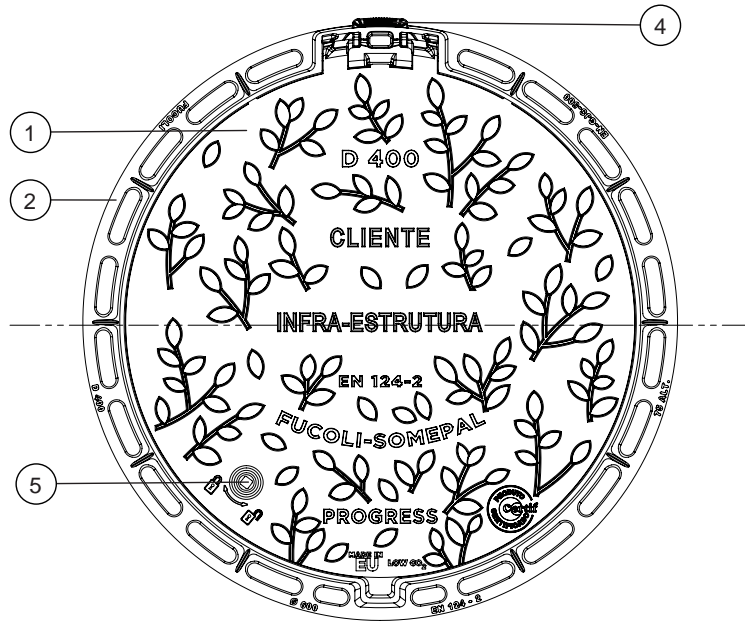
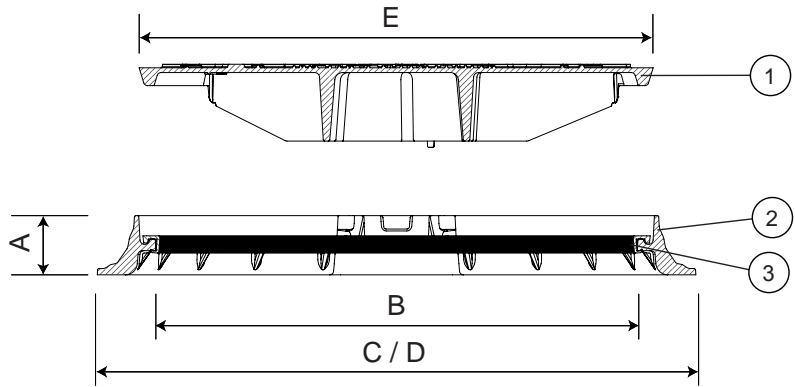


Model with 100 mm height frame



Maximum opening at 110°

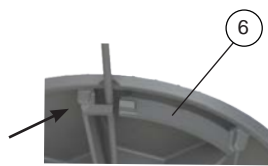
Safety 90° blocking



Product features



System to open the cover



System to unlock and open the cover



Anti-theft system [A-R]



Stability conferred by the 6 guides of the cover



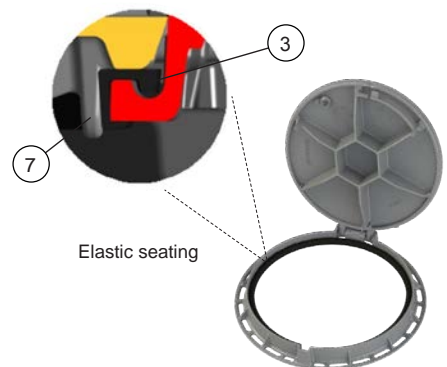
6 Closing and blocking system



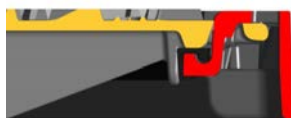
5 Conventional additional security lock [F-S]



5 Inviolable additional security lock [F-S-I]



Elastic seating



Self-cleaning detail of hinge system

continued on next page

ROUND MANHOLE COVER SERIES PROGRESS C250 e D400

12.110



continued from previous page

Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3	Elastic seating anti-noise	EVA copolymer	-
4	Anti-theft system [A-R]	Ductile iron EN-GJS-500-7	EN 1563
5	Conventional security lock	Steel Zinc plated 8.8	-
6	Elastic arm	Ductile iron EN-GJS-500-7	EN 1563
7	Guide of the cover	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Subtitle:

Lock - Conical closing system
[F-S] - Conventional security lock
[F-S-I] - Inviolable security lock
[A-R] - Anti-theft system

DN - Class - Model	code	Lock	[F-S]	[F-S-I]	[A-R]	Frame				Cover	Weight	
						height	clear	ø external	ø ext. with	ø external	Cover	Total
						mm	opening	mm	stone-bolt	mm	kg	kg
600 - D400 75 Altura	24B1CI4AAFBBBBZZZZ00EE	•				75	600	765	765	650	33	50
600 - D400 75 Altura	24B1CI4AAFBBBBZZZZ00GE	•	•			75	600	765	765	650	33	50
600 - D400 75 Altura	24B1CI4AAFBBBBZZZZ00HE	•		•		75	600	765	765	650	33	50
600 - D400 75 Altura	24B1CI4AAFBBBBZZZZ00IE	•			•	75	600	765	765	650	33	50
600 - D400 75 Altura	24B1CI4AAFBBBBZZZZ00JE	•	•		•	75	600	765	765	650	33	50
600 - D400 75 Altura	24B1CI4AAFBBBBZZZZ00KE	•		•	•	75	600	765	765	650	33	50
600 - D400 100 Altura	24B1CI4AAIBBBBBZZZZ00EE	•				100	600	850	850	650	33	55
600 - D400 100 Altura	24B1CI4AAIBBBBBZZZZ00GE	•	•			100	600	850	850	650	33	55
600 - D400 100 Altura	24B1CI4AAIBBBBBZZZZ00HE	•		•		100	600	850	850	650	33	55
600 - D400 100 Altura	24B1CI4AAIBBBBBZZZZ00IE	•			•	100	600	850	850	650	33	55
600 - D400 100 Altura	24B1CI4AAIBBBBBZZZZ00JE	•	•		•	100	600	850	850	650	33	55
600 - D400 100 Altura	24B1CI4AAIBBBBBZZZZ00KE	•		•	•	100	600	850	850	650	33	55
600 - C250 75 Altura	24B1CI3AAFBBBBZZZZ00EE	•				75	600	765	765	605	33	-
600 - C250 75 Altura	24B1CI3AAFBBBBZZZZ00GE	•	•			75	600	765	765	605	33	-
600 - C250 75 Altura	24B1CI3AAFBBBBZZZZ00HE	•		•		75	600	765	765	605	33	-
600 - C250 75 Altura	24B1CI3AAFBBBBZZZZ00IE	•			•	75	600	765	765	605	33	-
600 - C250 75 Altura	24B1CI3AAFBBBBZZZZ00JE	•	•		•	75	600	765	765	605	33	-
600 - C250 75 Altura	24B1CI3AAFBBBBZZZZ00KE	•		•	•	75	600	765	765	605	33	-



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100% MADE IN EUROPE

SQUARE MANHOLE COVER

SERIES LUSO

B125 and C250

12.200



Product description

- Square manhole cover series LUSO
- Water based black painting
- Hydraulic sealing

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area

Standards

- Designed according to EN 124-1/2

Certifications

- Certificate Certif "B125" DDA - 008/2021

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Steel zinc frame in the Luso Dupla model
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with one lifting point for easy operation/handling
- Cover and frame with an innovative lever opening system using the frame as a support point, which facilitates the operation in heavier or diferents range
- Available with hydraulic sealing to prevent the odours
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



B125



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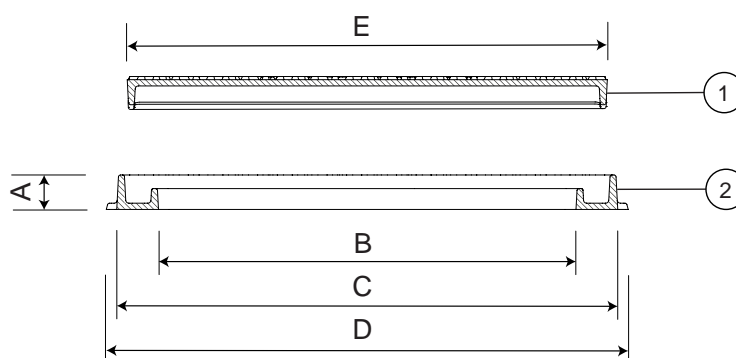
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**SQUARE MANHOLE COVER
SERIES LUSO
B125 and C250**

12.200



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2a	Frame	Ductile iron EN-GJS-500-7	EN 1563
2b	Frame	Steel zinc	-

Reference and dimensions

pos.	Model - DN - Class	code	Frame				Cover	hydraulic sealing Y / N	Weight	
			height mm A	clear opening mm B	external mm C	ext. with stone-bolt mm D	external mm E		Cover kg approx.	Total kg approx.
2a	Luso 300 - B125	24C1BE2SNBBZZZZ00AA	33	200	280	300	260	Y	5	9
2a	Luso 300 - C250	24C1BE3SNBBZZZZ00AA	33	200	280	300	260	Y	6	10
2a	Luso 400 - B125	24C1BO2SNBBZZZZ00AA	33	301	380	400	360	Y	7	15
2a	Luso 400 - C250	24C1BO3SNBBZZZZ00AA	33	301	380	400	360	Y	12	18
2a	Luso 500 - B125	24C1BY2SNBBZZZZ00AA	33	400	480	500	460	Y	12	22
2a	Luso 500 - C250	24C1BY3SNBBZZZZ00AA	33	400	480	500	460	Y	17	28
2a	Luso 600 - B125	24C1CI2SNBBZZZZ00AA	33	500	580	600	560	Y	24	35
2a	Luso 600 - C250	24C1CI3SNBBZZZZ00AA	33	500	580	600	560	Y	31	44
2a	Luso 700 - B125	24C1CS2SNBBZZZZ00AA	33	600	680	700	660	Y	35	46
2a	Luso 700 - C250	24C1CS3SNBBZZZZ00AA	33	600	680	700	660	Y	40	57
2a	Luso 800 - B125	24C1DC2SNBBZZZZ00AA	35	700	780	800	760	Y	45	57
2a	Luso 800 - C250	24C1DC3SNBBZZZZ00AA	35	700	780	800	760	Y	56	74
2b	Luso Dupla 500 - B125	24G1DW2SNBFZZZZ00AA	35	875 x 405	945 x 475	945 x 475	2 x 460	N	2 x 12	32
2b	Luso Dupla 700 - B125	24G1FK2SNBFZZZZ00AA	35	1269 x 602	1339 x 672	1339 x 672	2 x 660	N	2 x 35	81



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SQUARE MANHOLE COVER SERIES ESTRADA D400

12.201



Product description

- Square manhole cover series ESTRADA
- Water based black painting
- Hydraulic sealing

Installation location

- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Performance according to EN 124-1/2

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Fit system to block the cover to the frame designed to avoid noise, even in high traffic intensity
- Cover with two lateral unlocking points and central lifting point for easy operation/handling
- With hydraulic sealing to prevent the odours
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities
- Accessories: key (ref.12.900).



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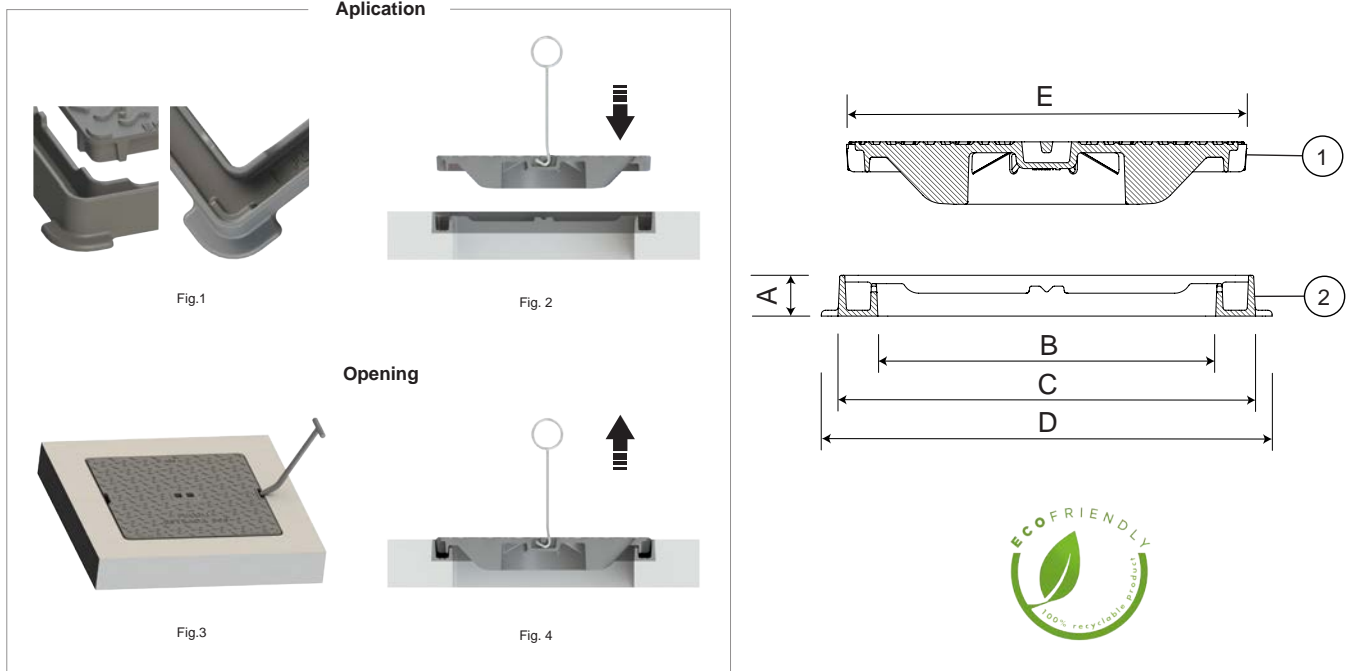


Fig.1 - Anti-noise locking system

Fig.2 - The cover must be seated on the frame so that the four vertices fit together on the frame, remain leveled

Fig.3 - The cover must be unlocked with a suitable operating key (ref. 12.900, cod. 20442018)

Fig.4 - After unlocking, the cover can be lifted with the aid of a key (or hook)

Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model - DN - Class	code	Frame				Cover	hydraulic sealing Y / N	Weight	
		height mm A	clear opening mm B	external mm C	ext. with stone-bolt mm D	external mm E		Cover kg approx.	Total kg approx.
Estrada 300 - D400	24C1BE4RNCBZZZZ00PA	49	206	302	336	281	Y	8	15
Estrada 400 - D400	24C1BO4RNCBZZZZ00PA	49	306	402	436	381	Y	18	27
Estrada 500 - D400	24C1BY4RNCBZZZZ00PA	49	406	502	542	481	Y	26	39
Estrada 600 - D400	24C1CI4RNFBZZZZ00PA	78	506	602	672	581	Y	39	61
Estrada 700 - D400	24C1CS4RNCBZZZZ00PA	49	606	702	742	681	Y	51	69
Estrada 800 - D400	24C1DC4RNDBZZZZ00PA	51	706	802	842	781	Y	64	85



TRIANGULAR MANHOLE COVER

SERIES NR

D400

12.300



Product description

- Triangular manhole cover series NR
- Water based black painting

Installation location

- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

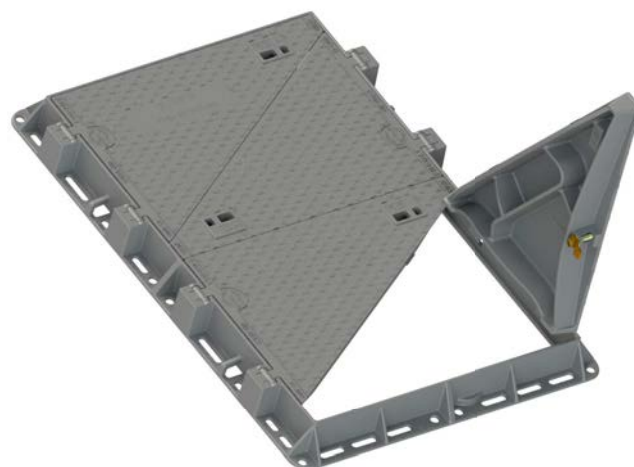
- Designed according to EN 124-1/2

Certifications

- Certificate Certif DDA - 002/2024

Features

- This model is used in telecommunications networks and in situations where wide and easy access to the manhole is required
- Approved by the main telecommunications operators
- Available in 2 models:
 - A. Articulated model:
 - Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
 - Frame with lifting points and stone-bolts for fixation
 - Each cover/ triangle has two hinge system with self-cleaning system, simply opening of the manhole at 110° and safety 90° blocking system. Fit and remove is making through moving the cover to 90° and lift clear
 - The cover have a local to install an additional security lock. This lock may be conventional or inviolable and can be installed at any moment
 - Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
 - Nº 1 cover customization with inscriptions and logo in high relief with minimal quantities
 - B. Non-articulated model:
 - Ductile cast iron cover (EN-GJS-500-7) and steel zinc frame
 - Cover NR1 D400 has a local to install an additional security lock. This lock may be conventional or inviolable and can be installed at any moment
 - Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
 - Cover designed with a tripod system that guarantees stability and anti-noise
 - Cover with two lifting points for easy operation/handling
 - Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



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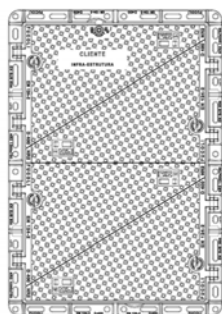
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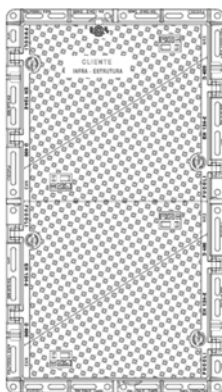
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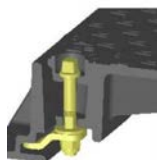
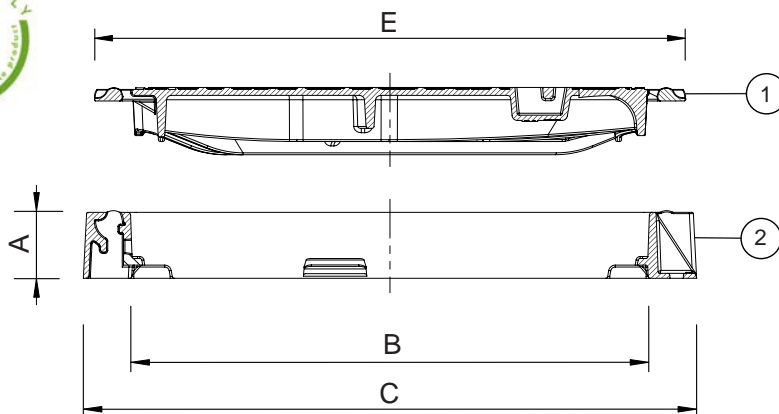
A. Articulated model



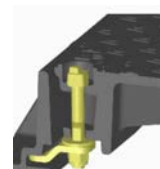
NR2



NR3



3a Conventional additional security lock [F-S]



3b Inviolable additional security lock [F-S-I]

Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563
3a	Conventional security lock	Zinco 8.8	-
3b	Inviolable security lock	Zinco 8.8	-

Reference and dimensions

Subtitle:
[F-S] - Conventional security lock
[F-S-I] - Inviolable security lock

Model - Class	code	[F-S]	[F-S-I]	Frame			Cover	Weight	
				height mm A	clear opening mm B	ext. with stone-bolt mm C	external mm E	Cover kg approx.	Total kg approx.
NR2 hinged - D400	24E1EQ4NAIBZZZZ00AA			100	1200 x 750	1340 x 930	(4) 783 x 535	(4) 34.1	197
NR2 hinged - D400	24E1EQ4NAIBZZZZ00CA	•		100	1200 x 750	1340 x 930	(4) 783 x 535	(4) 34.1	197
NR2 hinged - D400	24E1EQ4NAIBZZZZ00DA		•	100	1200 x 750	1340 x 930	(4) 783 x 535	(4) 34.1	197
NR3 hinged - D400	24E1FU4NAIBZZZZ00AA			100	1500 x 750	1640 x 930	(4) 783 x 609	(4) 37.3	220
NR3 hinged - D400	24E1FU4NAIBZZZZ00CA	•		100	1500 x 750	1640 x 930	(4) 783 x 609	(4) 37.3	220
NR3 hinged - D400	24E1FU4NAIBZZZZ00DA		•	100	1500 x 750	1640 x 930	(4) 783 x 609	(4) 37.3	220

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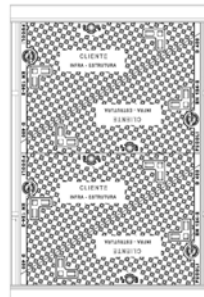


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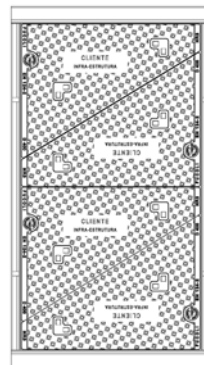
B. Non-articulated model



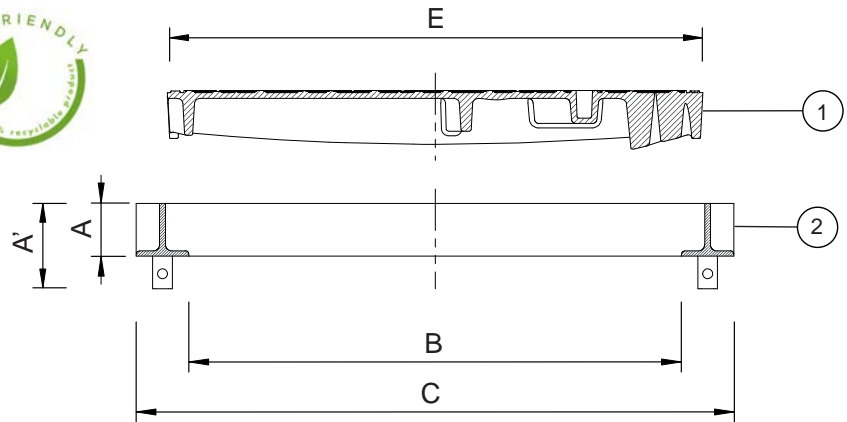
NR1



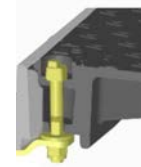
NR2



NR3

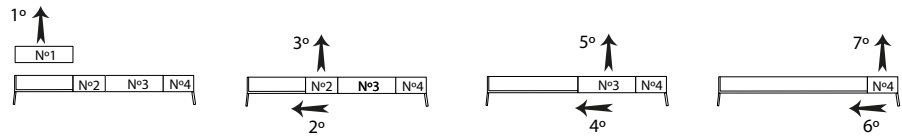


3a Conventional additional security lock [F-S]



3b Inviolable additional security lock [F-S-I]

Handling sequence



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	EN 1563
3a	Conventional security lock	Zinco 8.8	-
3b	Inviolable security lock	Zinco 8.8	-

Reference and dimensions

Modelo - Class	code	[F-S]	[F-S-I]	Frame				Cover	Weight	
				height mm	height with stone-bolt mm	clear opening mm	ext. with stone-bolt mm	external mm	Cover kg approx.	Total kg approx.
				A	A'	B	C	E		
NR1 not hinged - D400	24E1CX4NNGFZZZZ00AA			80	130	750 x 600	910 x 760	(2) 816 x 535	(2) 39.6	110
NR1 not hinged - D400	24E1CX4NNGFZZZZ00CA	•		80	130	750 x 600	910 x 760	(2) 816 x 535	(2) 39.6	110
NR1 not hinged - D400	24E1CX4NNGFZZZZ00DA		•	80	130	750 x 600	910 x 760	(2) 816 x 535	(2) 39.6	110
NR2 not hinged - D400	24E1EQ4NNGFZZZZ00AA			80	130	1200 x 750	1360 x 910	(4) 816 x 535	(4) 39.6	203
NR3 not hinged - D400	24E1FU4NNGFZZZZ00AA			80	130	1500 x 750	1660 x 910	(4) 816 x 535	(4) 41.3	216



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RECTANGULAR MANHOLE COVER

SERIES TELECOM

B125 and D400

12.400



Product description

- Rectangular manhole cover series TELECOM
- Water based black painting

Installation location

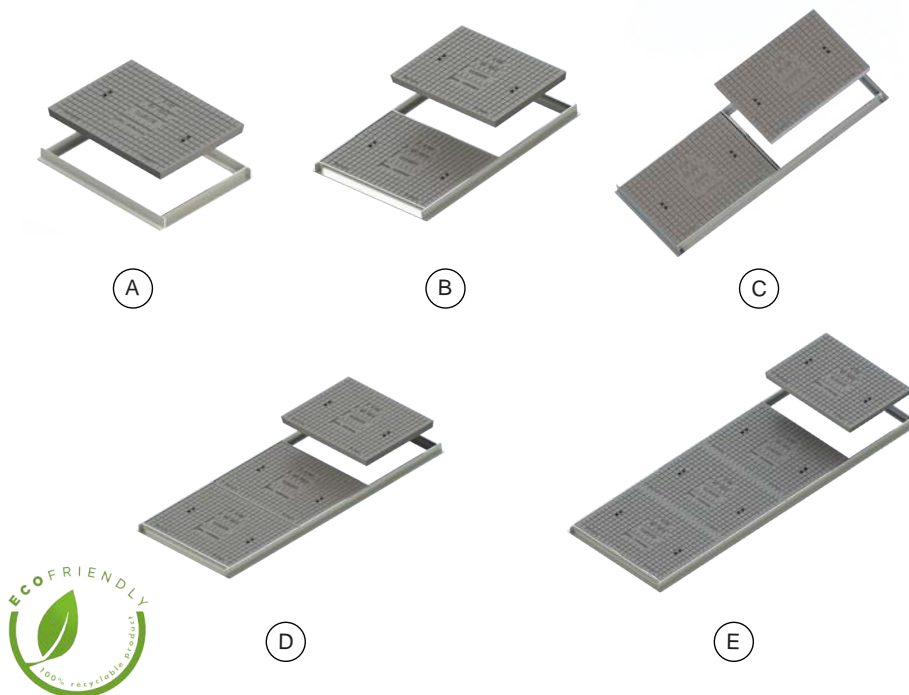
- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Performance according to EN 124-1/2

Features

- Ductile cast iron cover (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with two lifting points for easy operation/handling
- Steel zinc frame
- Characterized for its great dimensions and the modularity, in such a way that the same cover can be used in five distinct frames
- This model is used in situations where is necessary an large access zones to do interventions
- Available in 5 models:
 - A. 807 x 607 model consisting of 1 cover + frame
 - B. 1210 x 807 model consisting of 2 covers + frame
 - C. 1638 x 649 model consisting of 2 covers + frame
 - D. 1800 x 807 model consisting of 3 covers + frame
 - E. 2400 x 807 model consisting of 4 covers + frame
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities
- On request hot dip galvanized frame.



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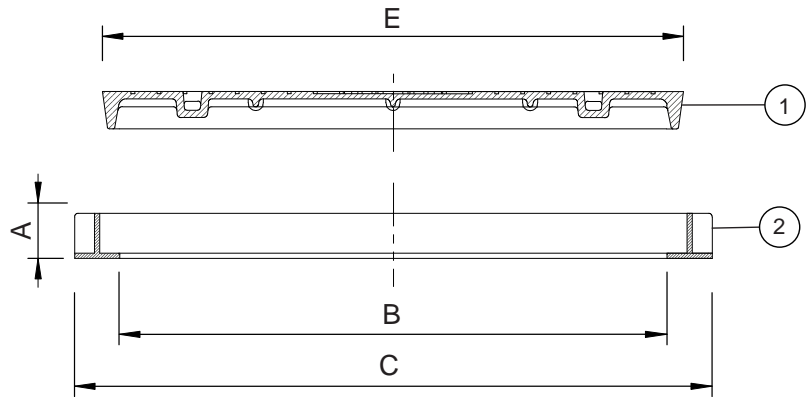
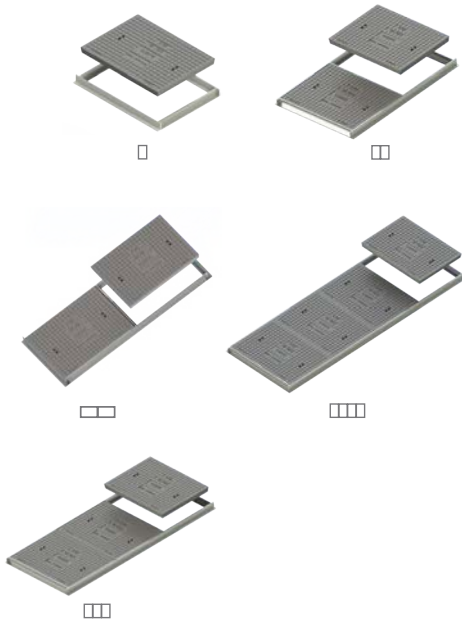
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RECTANGULAR MANHOLE COVER SERIES TELECOM B125 and D400

12.400



Five models available



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	-

Reference and dimensions

Model - Class	code	Frame			Cover	Weight	
		height mm A	clear opening mm B	ext. with stone-bolt mm C	external mm E	Cover kg approx.	Total kg approx.
TL1 807 x 607 - B125	24D1DA2TNEBZZZZ00AA	60	729 x 529	849 x 649	776 x 576	39	56
TL1 807 x 607 - D400	24D1DA4TNEBZZZZ00AA	60	729 x 529	849 x 649	776 x 576	71	88
TL2 1210 x 807 - B125	24D1EM2TNEFZZZZ00AA	60	1118 x 729	1238 x 849	(2) 776 x 576	(2) 39	107
TL2 1210 x 807 - D400	24D1EM4TNEFZZZZ00AA	60	1118 x 729	1238 x 849	(2) 776 x 576	(2) 71	172
TL2L 1638 x 649 - B125	24D1GA2TNEFZZZZ00AA	60	1518 x 529	1638 x 649	(2) 776 x 576	(2) 39	107
TL2L 1638 x 649 - D400	24D1GA4TNEFZZZZ00AA	60	1518 x 529	1638 x 649	(2) 776 x 576	(2) 71	172
TL3 1800 x 807 - B125	24D1GR2TNEFZZZZ00AA	60	1707 x 729	1827 x 849	(3) 776 x 576	(3) 39	158
TL3 1800 x 807 - D400	24D1GR4TNEFZZZZ00AA	60	1707 x 729	1827 x 849	(3) 776 x 576	(3) 71	256
TL4 2400 x 807 - B125	24D1IX2TNEFZZZZ00AA	60	2296 x 729	2416 x 849	(4) 776 x 576	(4) 39	210
TL4 2400 x 807 - D400	24D1IX4TNEFZZZZ00AA	60	2296 x 729	2416 x 849	(4) 776 x 576	(4) 71	340



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Product description

- Rectangular manhole cover series UF
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks

Standards

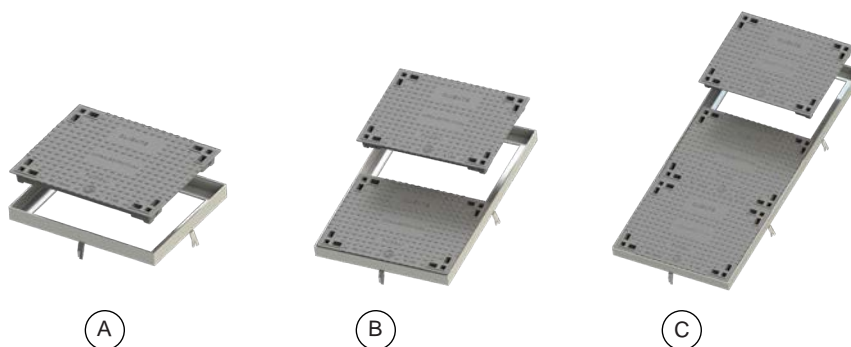
- Designed according to EN 124-1/2

Certifications

- Certificate Certif DDA - 002/2021

Features

- Ductile cast iron cover (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Cover with fixed supports in NBR sealing for silent operating
- Frame with stone-bolt for fixing
- Characterized for its great dimensions and the modularity, in such a way that the same cover can be used in three distinct frames
- This model is used in situations where is necessary an large access zones to do interventions
- Available in 3 models:
 - A. 633 x 495 model consisting of 1 cover + frame
 - B. 1266 x 495 model consisting of 2 covers + frame
 - C. 1899 x 495 model consisting of 3 covers + frame
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities
- On request hot dip galvanized frame.



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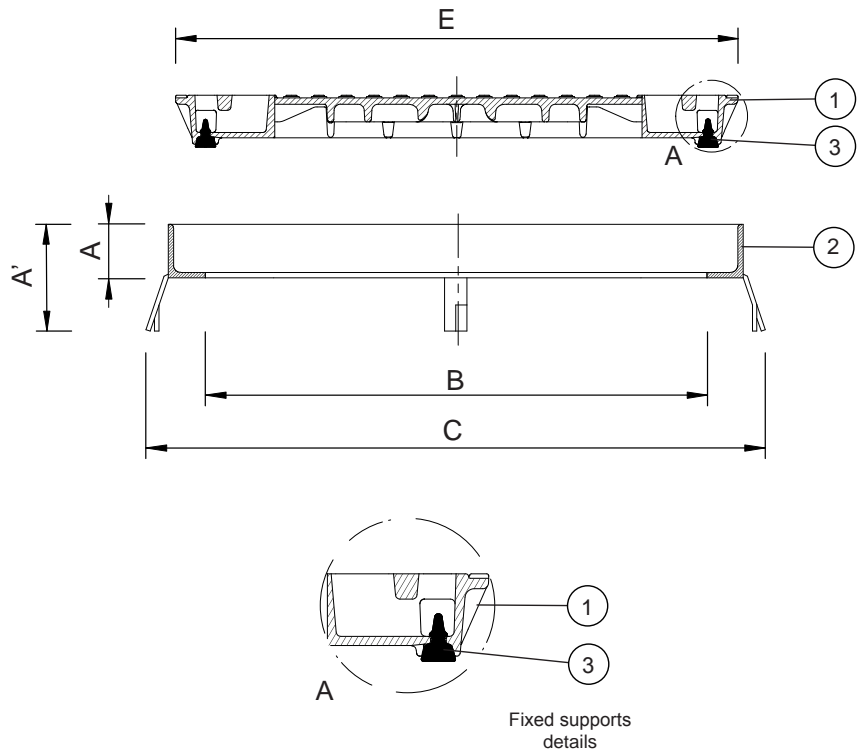
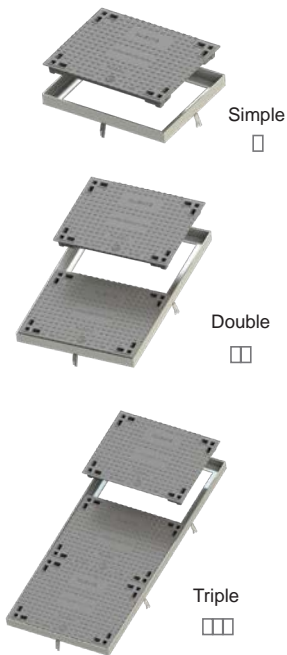
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RECTANGULAR MANHOLE COVER SERIES UF B125

12.402



Tree models available



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	-
3	Fixed supports	Elastomer NBR	EN 549

Reference and dimensions

Modelo - Class	code	Frame				Cover	Weight	
		height mm	height with stone-bolt mm	clear opening mm	ext. with stone-bolt mm	external mm	Cover kg	Total kg
		A	A'	B	C	E	approx.	approx.
☐ UF Simple - B125	24D1CM2VNEBZZZZ00AG	60	110	527 x 389	647 x 509	633 x 495	29	40
☐☐ UF Double - B125	24D1DV2VNEFZZZZ00AG	60	110	884 x 527	1004 x 647	(2) 633 x 495	(2) 29	75
☐☐☐ UF Triple - B125	24D1FT2VNEFZZZZ00AG	60	110	1380 x 527	1500 x 647	(3) 633 x 495	(3) 29	111
☐ Frame UF Simple - B125	20429012	60	110	527 x 389	647 x 509	-	-	11
☐☐ Frame UF Double - B125	20429022	60	110	884 x 527	1004 x 647	-	-	17
☐☐☐ Frame UF Triple - B125	20429032	60	110	1380 x 527	1500 x 647	-	-	24
☐ Cover UF - B125	24Q1CM2VNABZZZZ00AG	60	110	-	-	633 x 495	29	29



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RECESSED ROUND MANHOLE COVER

SERIES FUCOLI

B125, C250 and D400

12.500



Product description

- Recessed round manhole cover series FUCOLI
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Designed according to EN 124-1/2

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- With hydraulic sealing to prevent the odours
- Allow a block paving infill, in this way dissimulate the manhole cover presence fitting it with the involving space
- Model used in historical and pedestrian areas.



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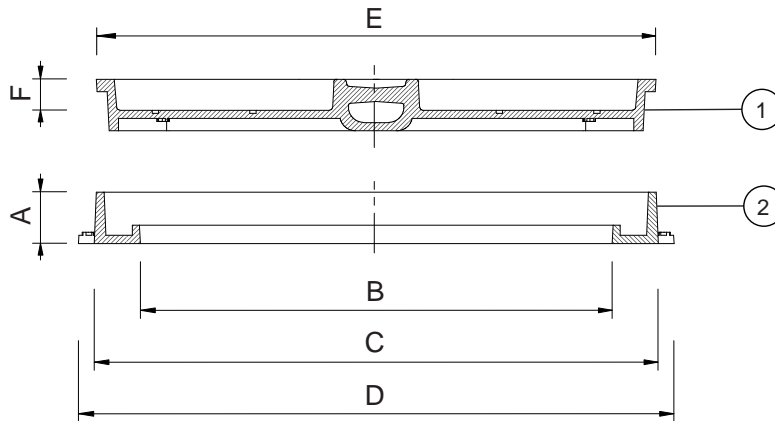
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RECESSED ROUND MANHOLE COVER
 SERIES FUCOLI
 B125, C250 and D400

12.500



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model - DN - Class	code	Frame				Cover		hydraulic sealing Y / N	Weight	
		height mm	clear opening mm	∅ external mm	∅ ext. with stone-bolt mm	∅ external mm	recessed height mm		Cover kg	Total kg
		A	B	C	D	E	F		approx.	approx.
Fucoli 500 - C250	24B3BY3FNDAZZZZ00AA	50	460	580	580	545	30	Y	21	32
Fucoli 600 - B125	24B4CI2FNFAZZZZ00AA	75	600	720	720	686	50	Y	27	45
Fucoli 600 - D400	24B4CI4FNFAZZZZ00AA	75	600	720	720	686	50	Y	43	61



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Product description

- Recessed rectangular manhole cover series NR
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks

Standards

- Designed according to EN 124-1/2

Certifications

- Certificate Certif DDA - 009/2021

Features

- Model used in telecommunications networks and in situations where wide and easy access to the manhole is required
- Approved by the main telecommunications operators
- Ductile cast iron cover (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with two lifting points for easy operation/handling
- Frame with stone-bolt for fixing
- Allow a block paving infill, in this way dissimulate the manhole cover presence fitting it with the involving space
- Characterized for its great dimensions and the modularity, in such a way that the same cover can be used in three distinct frames
- Available in 3 models:
 - A. NR1 model consisting of 2 cover + frame
 - B. NR2 model consisting of 4 covers + frame
 - C. NR3 model consisting of 5 covers + frame
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities
- On request hot dip galvanized frame.



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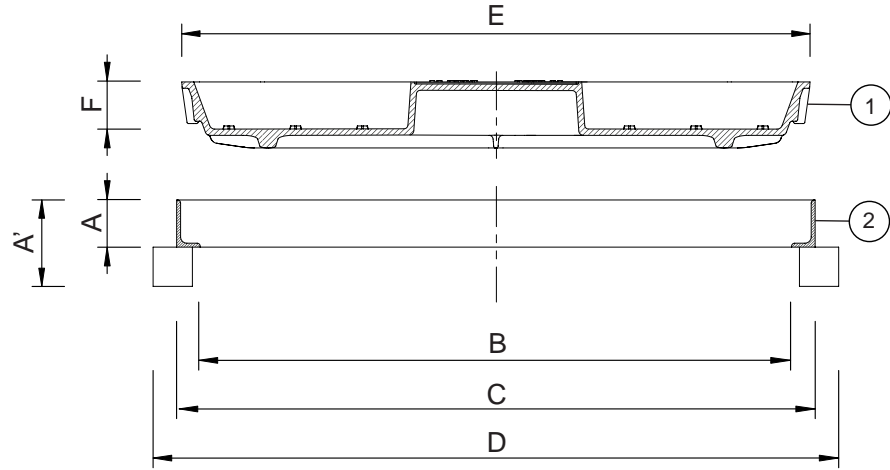
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RECESSED RECTANGULAR MANHOLE COVER SERIES NR B125

12.501



Tree models available



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	-

Reference and dimensions

Modelo - Class	code	Frame					Cover		Weight	
		height mm	height with stone-bolt mm	clear opening mm	external mm	ext. with stone-bolt mm	external mm	recessed height mm	Cover kg	Total kg
		A	A'	B	C	D	E	F	approx.	approx.
□ NR1 - B125	24D4CX2NNEAZZZZ00AA	60	110	600 x 750	660 x 803	660 x 873	(2) 800 x 299.5	60	(2) 24.2	67
□ NR2 - B125	24D4EQ2NNEAZZZZ00AA	60	110	1200 x 750	1260 x 803	1260 x 873	(4) 800 x 299.5	60	(4) 24.2	123
□ NR3 - B125	24D4FU2NNEAZZZZ00AA	60	110	1500 x 750	1560 x 803	1560 x 873	(5) 800 x 299.5	60	(5) 24.2	150



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RECESSED RECTANGULAR MANHOLE COVER SERIES UF B125

12.502



Product description

- Recessed rectangular manhole cover series UF
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks

Standards

- Designed according to EN 124-1/2

Certifications

- Certificate Certif DDA - 001/2021

Features

- Model used in telecommunications networks and in situations where wide and easy access to the manhole is required
- Ductile cast iron cover (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with four lifting points for easy operation/handling
- Cover with four elastic supports in NBR which ensures the perfect seating of the cover on the frame and avoiding the noise
- Frame with stone-bolt for fixing
- Allow a block paving infill, in this way dissimulate the manhole cover presence fitting it with the involving space
- Characterized for its great dimensions and the modularity, in such a way that the same cover can be used in three distinct frames
- Available in 3 models:
 - A. UF Simple model consisting of 1 cover + frame
 - B. UF Double model consisting of 2 covers + frame
 - C. UF Triple model consisting of 3 covers + frame
- On request hot dip galvanized frame.



(A)

(B)

(C)



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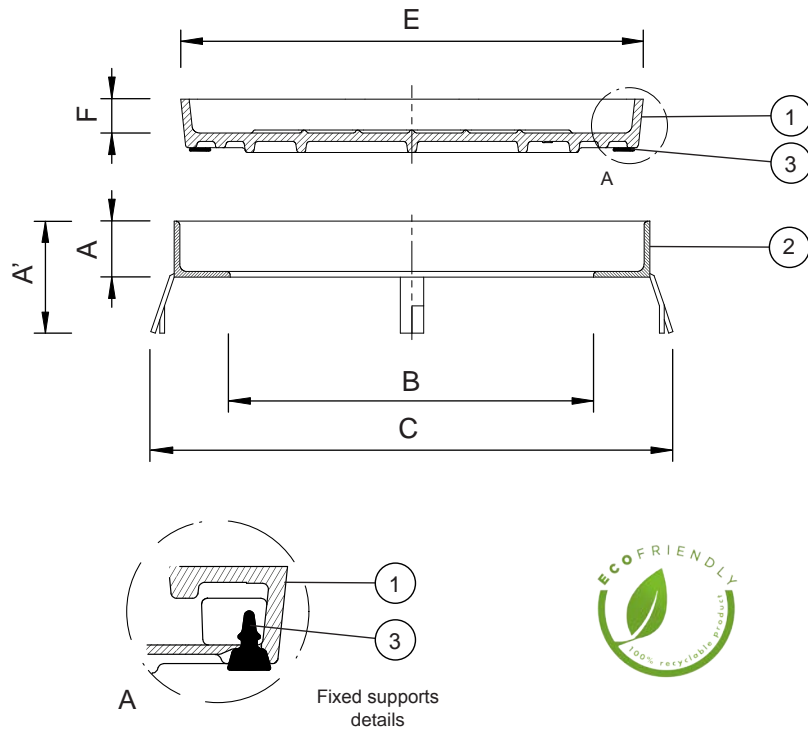
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RECESSED RECTANGULAR MANHOLE COVER SERIES UF B125

12.502



Tree models available



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	-
3	Fixed supports	Elastomer NBR	EN 549

Reference and dimensions

Model - Class	code	Frame				Cover		Weight	
		height mm	height with stone-bolt mm	clear opening mm	external mm	external mm	recessed height mm	Cover kg	Total kg
		A	A'	B	C	E	F	approx.	approx.
□ Recessed UF Simple - B125	24D3CM2VNEAZZZZ00AG	60	110	527 x 389	647 x 509	633 x 495	42	32	43
□□ Recessed UF Double - B125	24D3DV2VNEAZZZZ00AG	60	110	884 x 527	1004 x 647	(2) 633 x 495	42	(2) 32	81
□□□ Recessed UF Triple - B125	24D3FT2VNEAZZZZ00AG	60	110	1380 x 647	1500 x 647	(3) 633 x 495	42	(3) 32	119
□ Frame UF Simple - B125	20429012	60	110	527 x 389	647 x 509	-	42	-	11
□□ Frame UF Double - B125	20429022	60	110	884 x 527	1004 x 647	-	42	-	17
□□□ Frame UF Triple - B125	20429032	60	110	1380 x 647	1500 x 647	-	42	-	23
□ Recessed cover UF - B125	24Q3CM4VNAAZZZZ00AA	60	110	-	-	633 x 495	42	32	32



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RECESSED RECTANGULAR MANHOLE COVER

SERIES TELECOM

B125 and D400

12.503



Product description

- Recessed rectangular manhole cover series TELECOM
- Water based black painting

Installation location

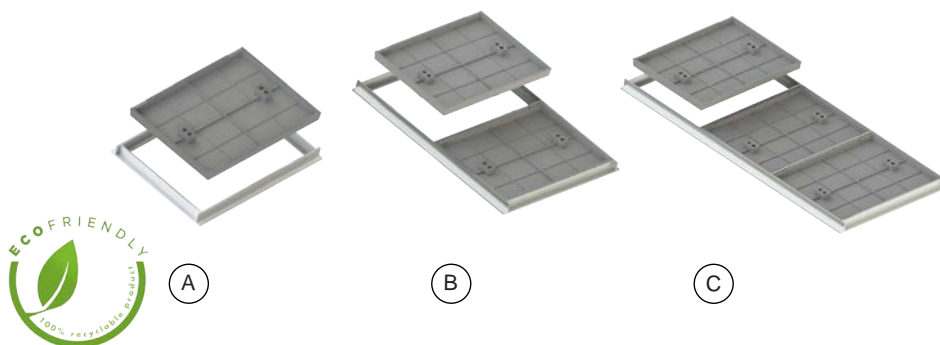
- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- EN 124-1/2

Features

- Model used in telecommunications networks and in situations where wide and easy access to the manhole is required
- Ductile cast iron cover (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with two lifting points for easy operation/handling
- Allow a block paving infill, in this way dissimulate the manhole cover presence fitting it with the involving space
- Characterized for its great dimensions and the modularity, in such a way that the same cover can be used in three distinct frames
- Available in 3 models:
 - A. TL1 807 x 607 model consisting of 1 cover + frame
 - B. TL2 1210 x 607 model consisting of 2 covers + frame
 - C. TL3 1800 x 607 model consisting of 3 covers + frame
- On request hot dip galvanized frame.



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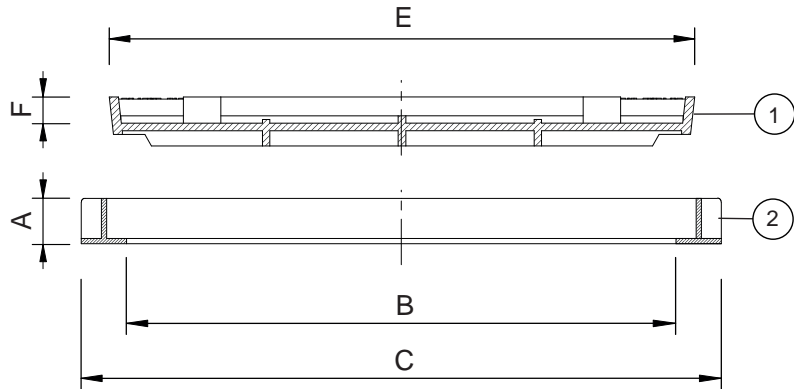
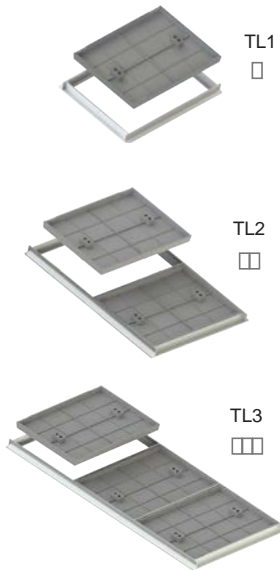
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RECESSED RECTANGULAR MANHOLE COVER SERIES TELECOM B125 and D400

12.503



Tree models available



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	-

Reference and dimensions

Model - Class	code	Frame			Cover		Weight	
		height mm	clear opening mm	ext. with stone-bolt mm	external mm	recessed height mm	Cover kg approx.	Total kg approx.
		A	B	C	E	F		
□ TL1 807 x 607 - B125	24D3DA2TNEAZZZZ00AA	60	729 x 529	849 x 649	776 x 576	35	44	61
□ TL1 807 x 607 - D400	24D3DA4TNEAZZZZ00AA	60	729 x 529	849 x 649	776 x 576	35	61.3	78
▢ TL2 1210 x 807 - B125	24D3EM2TNEAZZZZ00AA	60	1118 x 729	1238 x 849	(2) 776 x 576	35	(2) 44	117
▢ TL2 1210 x 807 - D400	24D3EM4TNEAZZZZ00AA	60	1118 x 729	1238 x 849	(2) 776 x 576	35	(2) 61.3	152
▣ TL3 1800 x 807 - B125	24D3GR2TNEAZZZZ00AA	60	1707 x 729	1827 x 849	(3) 776 x 576	35	(3) 44	174
▣ TL3 1800 x 807 - D400	24D3GR4TNEAZZZZ00AA	60	1707 x 729	1827 x 849	(3) 776 x 576	35	(3) 61.3	226



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Product description

- Recessed rectangular manhole cover series EPAL
- Water based black painting

Installation location

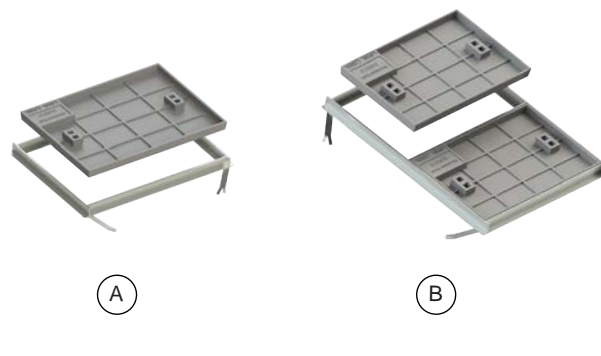
- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks

Standards

- EN 124-1/2

Features

- Model used in telecommunications networks and in situations where wide and easy access to the manhole is required
- Ductile cast iron cover (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with two lifting points for easy operation/handling
- Allow a block paving infill, in this way dissimulate the manhole cover presence fitting it with the involving space
- Available in 2 models:
 - A. EPAL 700 x 500 model consisting of 1 cover + frame
 - B. EPAL 800 x 600 model consisting of 2 covers + frame
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities
- On request hot dip galvanized frame.



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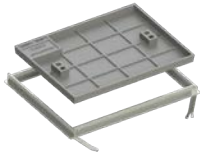
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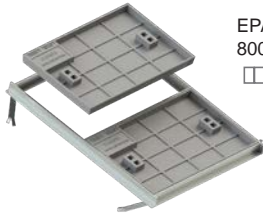
12.504



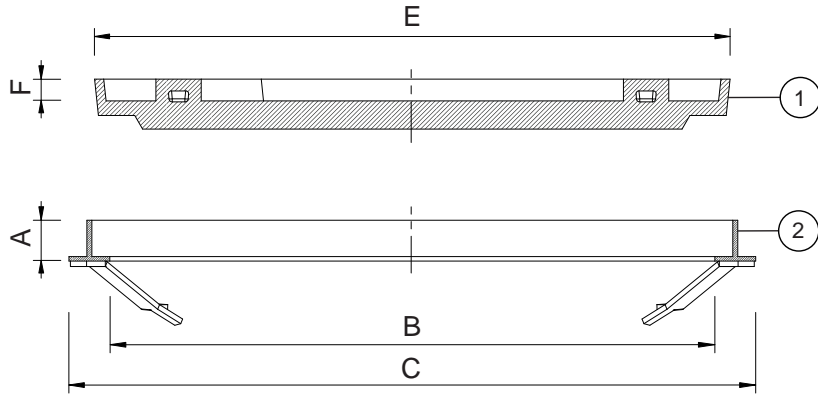
Two models available



EPAL
700 x 500
□



EPAL
800 x 600
□□



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Steel zinc	-

Reference and dimensions

Model - Class	code	Frame			Cover		Weight	
		height mm A	clear opening mm B	ext. with stone-bolt mm C	external mm E	recessed height mm F	Cover kg approx.	Total kg approx.
□ EPAL 700 x 500	24D2CS0PNCCZZEPL10AA	45	667 x 467	757 x 731	700 x 500	29	33	43
□□ EPAL Limite Zona 700 x 500	24D2CS0JNCCZZEPL10AA	45	667 x 467	757 x 731	700 x 500	29	33	43
□ EPAL 800 x 600 - B125	24D2DC0PNCGZZEPL10AA	45	778 x 567	868 x 832	(2) 600 x 400	29	(2) 25.5	65
□□ EPAL Limite Zona 800 x 600	24D2DC0JNCGZZEPL10AA	45	778 x 567	868 x 832	(2) 600 x 400	29	(2) 26.2	66



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RECESSED SQUARE MANHOLE COVER

SERIES FUCOLI

B125 and C250

12.505



Product description

- Recessed square manhole cover series FUCOLI
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area

Standards

- Designed according to EN 124-1/2

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- With hydraulic sealing to prevent the odours
- Allow a block paving infill, in this way dissimulate the manhole cover presence fitting it with the involving space
- Model used in historical and pedestrian areas.



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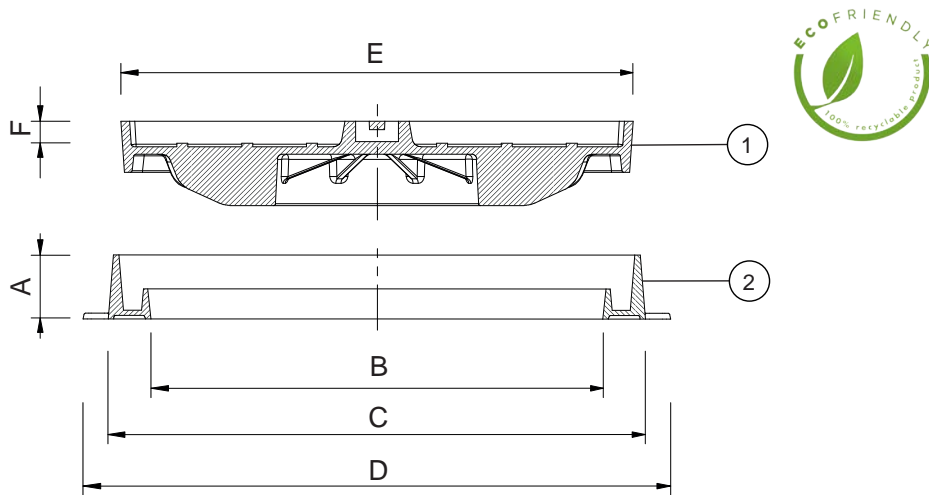
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RECESSED SQUARE MANHOLE COVER
 SERIES FUCOLI
 B125 and C250

12.505



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model - DN - Class	code	Frame				Cover		hydraulic sealing Y / N	Weight	
		height mm A	clear opening mm B	∅ external mm C	∅ ext. with stone-bolt mm D	∅ external mm E	recessed height mm F		Cover kg approx.	Total kg approx.
Fucoli 330 - B125	24C3BH2FNDAZZZZ00AA	56	253	328	355	308	35	S	7	14
Fucoli 400 - B125	24C2BO2FNEAZZZZ00AA	60	330	420	450	396	27	S	11	21
Fucoli 400 - C250	24C2BO3FNEAZZZZ00AA	60	330	420	450	396	27	S	17	28
Viana 500 - C250	24C4BY3FNGAZZZZ00AA	80	402	510	540	484	50	S	23	47
Fucoli 600 - B125	24C3CI2FNFAZZZZ00AA	75	530	630	689	600	30	S	28	49
Fucoli 600 - C250	24C3CI3FNFAZZZZ00AA	75	530	630	689	600	30	S	40	59
Fucoli 800 - B125	24C3DC2FNFAZZZZ00AA	75	745	832	852	800	35	S	53	88



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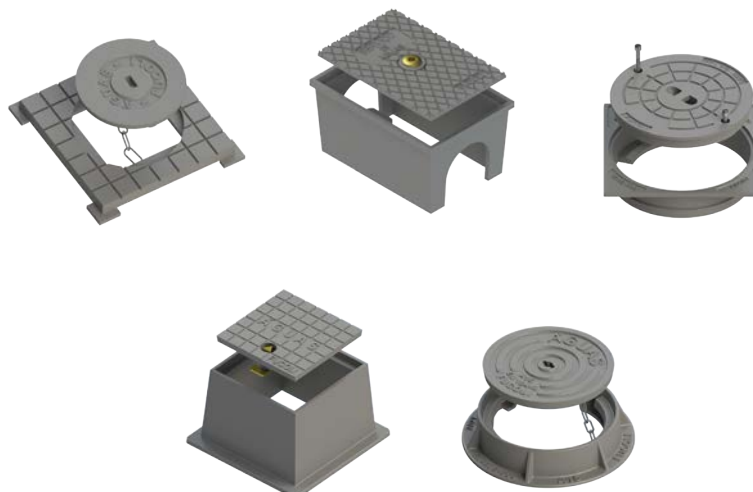


Product description

- Other manhole cover models
- Water based black painting

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting and steel zinc frame
- Cover with non-slip raised pattern
- Models conceived tailor-made according to customer needs, with application in their own locations according to criteria defined by them.



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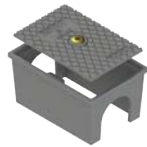
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Models available



21 x 21
Serviço Águas



Serviço Águas
M G



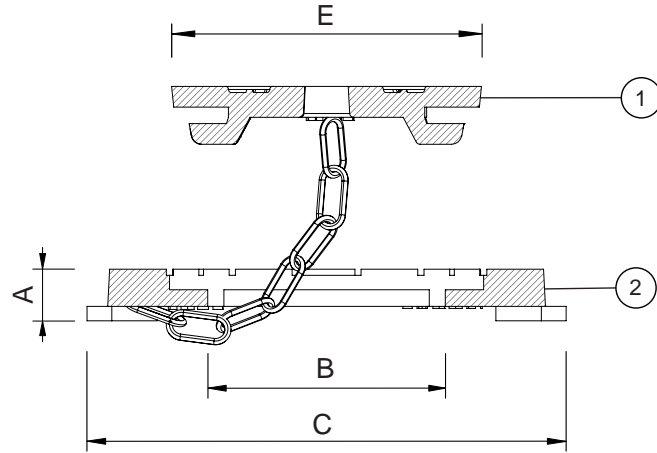
12 Figueira
da Foz



21 Nind



Cover for
telescopic box



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model	code	Frame			Cover	Weight	
		height mm A	clear opening mm B	ext. with stone-bolt mm C	exterior mm E	Cover kg approx.	Total kg approx.
21 x 21 Serviço Águas	24F1AV0ZNBAGZZZ00RA	25	115 x 115	232 x 232	∅ 150	2	5
Serviço Águas - M G	24D1AX0ZNBAGZZZ00CA	115	185 x 115	225 x 155	210 x 140	2	5
12 Figueira da Foz	24C1AM0ZNBAGZZZ00CA	105	107 x 107	174 x 174	122 x 122	1	5
Cover for telescopic box D400	24F1BG4ZNBAGZZZ00NA	78	∅ 225	340 x 340	∅ 315	9	16
21 Nind	24B1AV0ZNBAGZZZ00RA	50	∅ 160	∅ 250	∅ 250	2	5



for Gas B125 and D400



Product description

- Surface box for Gas
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- Performance according to EN 124-1/2

Certifications

- Certificate Certif "DN 150 B125" DDA - 004/2021
- Certificate Certif "DN 600 B125" DDA - 003/2021
- Certificate Certif "DN 600 D400" DDA - 006/2021

Features

- Ductile cast iron cover and frame (EN-GJS-500-7) with water based black painting
- Cover with non-slip raised pattern according to EN 124-1, designed to allow quick and easy installation
- Personalization of the cover with inscriptions and logo in high relief with minimal quantities.



D15 - B125
D60 - B125
D60 - D400



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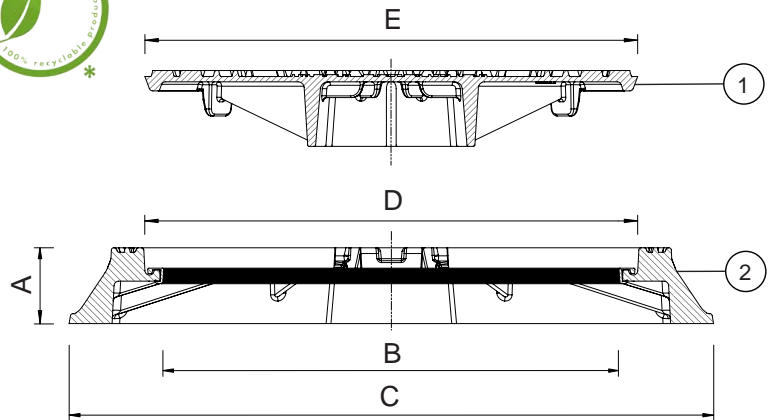
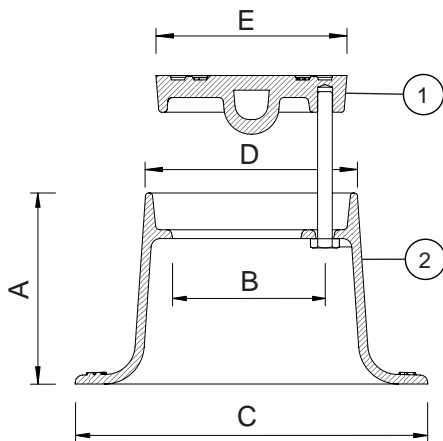
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**SURFACE BOX
for Gas
B125 and D400**

12.700



Modelos



Series
* Conical
DN 100 and DN 200



Series
* DN 150



Eixo e Dobradiça
DN 600 B125 and DN 600 D400



Component list

pos.	components	material	standard
1	Cover	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model - Class	code	Frame				Cover	Weight	
		height mm	clear opening mm	exterior mm	surface exterior mm	exterior mm	Cover kg	Total kg
		A	B	C	D	E	approx.	approx.
* Conical DN 100	24B1AK0ZKNKBGAZZ00NA	130	107	240	143	130	2	6
* Conical DN 200 - D400	24B1AU4ZNUBGAZZ00NA	232	200	320	248	232	5	16
* DN 150 - B125	24B1AP2ZNIBZZZZ00QA	105	140	185	185	172.5	2	4
Eixo e Dobradiça 600 - B125	24F1CI2EAIBZZZZ00EE	100	610	850	738	650	25	66
Eixo e Dobradiça 600 - D400	24F1CI4EAIBZZZZ00EE	100	610	850	738	650	30	80



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ACCESSORIES FOR MANHOLE COVERS

12.900



Accessories for manhole covers		code	Kg approx.
	Operating key for manhole cover series EIXO E DOBRADIÇA	20442016	1
	Operating key for cover with security lock [F-S]	20442015	0.65
	Operating key for cover with inviolable security lock [F-S-I]	20442017	0.70
	Lever key for hinge manhole covers series NR hinged	20442013	1.90
	Unlock key for manhole covers series ESTRADA	20442018	1.33
	Elastic seating, for round manhole cover series EIXO E DOBRADIÇA 600 without flap	MA20901870	0.34
	Elastic seating, for round manhole cover series EIXO E DOBRADIÇA 600 with flap	MA4331900	0.34
	Elastic seating for round manhole cover series FUCOLI 600	MA1341800	1
	Elastic seating for round manhole cover series FUCOLI 800	MAS1049	1
	Elastic seating in polyethylene	MA1341570	1
	Additional security lock series EIXO E DOBRADIÇA	20442025	0.30
	Additional security lock series NR – NR1, NR2 and NR3	20442026	0.30
	Additional inviolable security lock series EIXO E DOBRADIÇA	20442027	0.30

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Accessories for manhole covers		code	Kg approx.
	Anti-theft hook for manhole covers series EIXO E DOBRADIÇA Ø 600	20405946	0.10
	Anti-theft hook for manhole covers series EIXO E DOBRADIÇA Ø 750	20405947	0.14
	Lock for manhole covers series EIXO E DOBRADIÇA	20405968	0.40
	Spring for manhole covers series EIXO E DOBRADIÇA	20407057	0.01
	Lock for manhole covers series FUCOLI, with locking system	20405957	0.70



RECTANGULAR GULLY GRATE

B125, C250 and D400

13.100



Product description

- Rectangular gully grate
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- EN 124-1/2

Features

- Ductile cast iron grate and frame (EN-GJS-500-7) with water based black painting
- Designed to allow quick and easy installation
- Suitable for very long gullies in all types of traffic routes/ roadway crossings
- Allows drainage of the routes
- Several models available with and without frame.

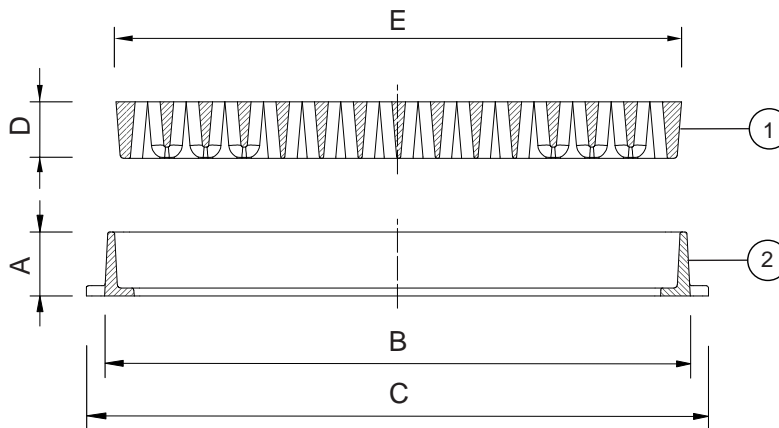


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Component list

pos.	components	material	standard
1	Grate	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model	class	Code		Frame			Grate		external with anchoring holes cm ³	Weight	
		Grate without frame	Grate with frame	height mm	external dimension mm	ext. dention with stone-bolt mm	height mm	external dimension mm		without frame kg	with frame kg
40 x 20 x 3	C250	20303015	20306016	40	425 x 230	425 x 255	30	400 x 200	420	9	14
50 x 15 x 2.5	B125	20306035	-	-	-	-	25	500 x 150	290	8	-
50 x 20 x 4	C250	20306022	-	-	-	-	40	500 x 210	395	14	-
52 x 22 x 3.5	B125	20306034	-	-	-	-	35	525 x 220	427	15	-
52 x 22 x 3.5	D400	20306033	-	-	-	-	35	525 x 220	360	17	-
55 x 26 x 3	C250	20306036	20303021	40	575 x 285	575 x 315	31	552 x 262	605	17	22
56 x 33 x 3 TB	B125	20306102	-	-	-	-	30	560 x 330	665	19	-
56 x 33 x 3 TB	C250	20306076	-	-	-	-	30/40	560 x 330	665	24	-
59 x 24 x 3	B125	20306017	20303026	38	613x266	613x296	30	590 x 240	690	11	16
59 x 24 x 3	C250	20306044	20303034	38	613 x 266	613 x 296	30	590 x 240	620	16	21
60 x 26 (Cleen feet carpet)	-	20306050	-	-	-	-	23	605 x 260	-	7	-
60 x 30 x 5	D400	20306059	20303039	80	695 x 398	695 x398	50	602 x 305	790	23	39
60 x 35 x 4	C250	20306057	20303024	50	625 x 375	650 x 400	40	600 x 350	650	22	32
63 x 33 x 3,5 (Type ALM)	B125	20306074	20303049	45	650 x 350	680 x 350	35	630 x 330	1085	11	29
64,5 x 23 x 3	B125	20306079	20303043	37	665 x 254	665 x 282	30	645 x 230	670	15	21
65 x 35 x 3 MARL	D400	20306075	-	-	-	-	30/45	650 x 350	-	36	-
66,5 x 26 x 3	B125	20306111	20304060	39	690 x 280	690 x 315	30	665 x 260	900	13	19
67 x 21 x 4 F3	C250	20306176	20303083	52	702 x 235	702 x 264	45	672 x 210	235	17	25
68 x 20 x 3	B125	20306178	20303084	40	715 x 235	715 x 265	30	680 x 200	600	12	22
69 x 32 x 3.5 (T.Peniche)	B125	20306202	20303101	43	710 x 340	710 x 370	35	692 x 322	1210	22	30
70 x 30 x 3	B125	20306216	203031036	37	723 x 323	723 x 350	30	700 x 300	990	15	21



GULLY GRATE

SERIES ANTI-ROUBO

A15, B125, C250 and D400

13.200



Product description

- Gully grate series ANTI-ROUBO
- Water based black painting

Installation location

- Classe A15 - Green areas, areas used exclusively by pedestrians and cyclists
- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class C250 - For gully tops, installed in the area of kerbside channels of roads which when measured from the kerb edge, extends a maximum of 0,5 m into the carriageway and a maximum of 0,2 m into the pedestrian area
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- EN 124-1/2

Features

- Ductile cast iron grate and frame (EN-GJS-500-7) with water based black painting
- Designed to allow quick and easy installation
- Allows drainage of the routes
- Available in 2 models:
 - A. Anti-pillage model:
 - hinged grating
 - frame with rag-bolts for fixation
 - the gully grate and frame after being anchored does not be dismantled
 - B. Anti-pillage model with groove system:
 - modular system that optimizes road safety
 - the gully grates are connected together by a ductile cast iron spring bar. They are usually based on steel angle irons ensuring the protection of the gully grate and leveling of the support
 - adapter for large lengths of longitudinal gutters.



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GULLY GRATE SERIES ANTI-ROUBO A15, B125, C250 and D400

13.200



A - Anti-pillage model

A few Anti-pillage models



50 x 30 x 4 T/ALQUEVA
D400



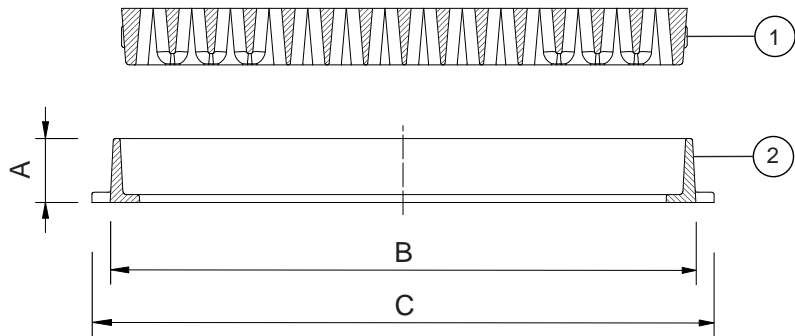
59 x 24 x 3
C250



60 x 35 x 3.5 BERMA / AC
C250



65 x 35 x 3 MARL
D400



Component list

pos.	components	material	standard
1	Grate	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

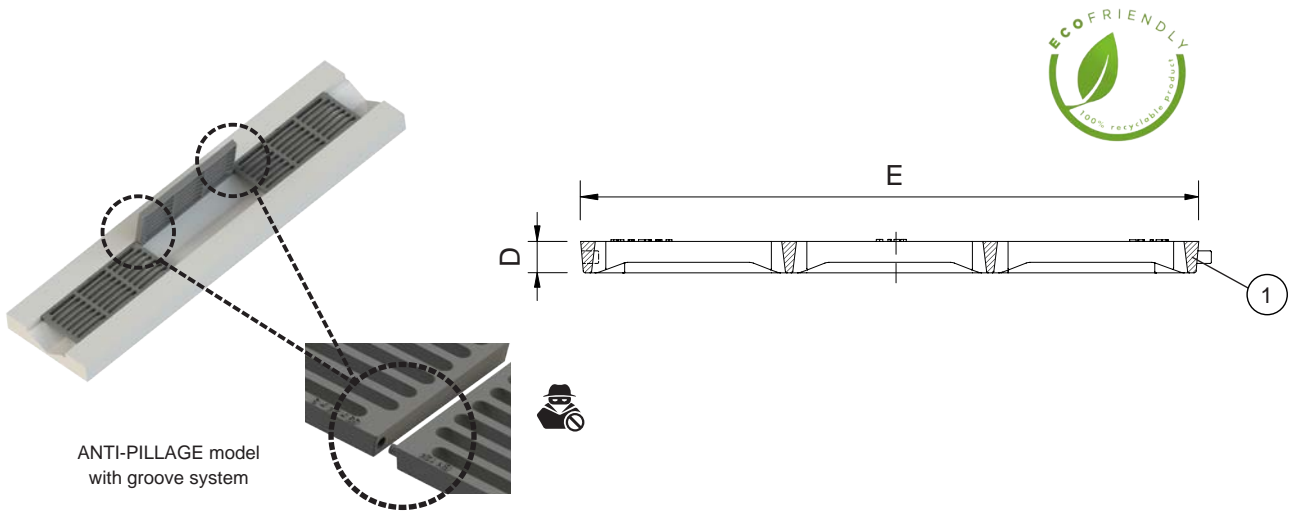
Model	class	code	height mm A	external dimension mm B	external with anchoring holes mm C	waterway area cm ³	Weight
							Total kg approx.
20 x 20 x 2.9	A15	20303002	35	220.7 x 218.7	240.7 x 218.7	175	5
50 x 30 x 4 T/ALQUEVA	D400	20303018	58	519 x 321	550 x 335	755	29
59 x 24 x 3	C250	20303028	38	613 x 266	613 x 296	625	20
60 x 35 x 3.5 BERMA / AC	C250	20303058	63	720 x 416	720 x 416	985	29
61.5 x 27 x 4	B125	20303155	39	663 x 297	663 x 297	730	20
64.5 x 34 x 4.5	C250	20304099	43	700 x 350	700 x 350	980	31
65 x 25 x 3	C250	20304090	30	640 x 256	663 x 282	530	18
65 x 35 x 3 MARL	C250	20303053	38	721 x 375	721 x 443	790	36
65 x 35 x 3 MARL	D400	20303051	38	721 x 375	721 x 443	720	40
65.5 x 35.5 x 4	C250	20303162	55	716 x 398	716 x 398	870	35
67 x 21 x 4	B125	20304101	38	711 x 208	711 x 234	570	17
67 x 36 x 4	B125	20304111	38	713 x 360	713 x 360	1035	27
70 x 20 x 4	C250	20304121	40	745 x 198	745 x 230	555	18

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B - Anti-pillage model with groove system



ANTI-PILLAGE model
 with groove system

Component list

pos.	components	material	standard
1	Grate	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model	class	code	height mm D	external dimension mm E	waterway área cm ³	Weight
						Total kg approx.
59 x 24 x 3	B125	20306120	30	590 x 240	722	11
65 x 27 x 3	C250	20306097	30	650 x 270	620	21
65 x 35 x 3	C250	20306094	30	650 x 350	720	28
65 x 35 x 3	D400	20306073	30/40	650 x 350	676	36



Product description

- Round gully grate
- Water based black painting

Installation location

- Class B125 - Footways, pedestrian areas and comparable areas, car parks or car parking decks
- Class D400 - Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles

Standards

- EN 124-1/2

Features

- Ductile cast iron grate and frame (EN-GJS-500-7) with water based black painting
- Gully with non-slip raised pattern according to EN 124-1 designed to allow quick and easy installation
- Personalization of the gully with inscriptions in high relief with minimal quantities
- **Gully grate series Eixo e Dobradiça**
 - Hinge system with self-cleaning system, simply opening of the gully at 120° and safety 90° blocking system. Fit and remove is making through moving the gully to 90° and lift clear
 - Innovative system of conical closing that due to the ramped design, both frame and lock, the gully closes automatically with its own weight or the weight of the first vehicle which passes over. Also allowing the gradual adjustment of the lock with the conical cavity for it in the frame maintaining the absence of glitches. Locking system which allows that the gully cover can be opened by the inside. If necessary, the lock can be easily replaced, since it's an independent piece
 - Frame prepared to install the anti-theft system
 - Elastic seating which assures the gully perfectly fits the frame and also gives stability and silent operating even in high traffic intensity.



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ROUND GULLY GRATE B125 and D400

13.300



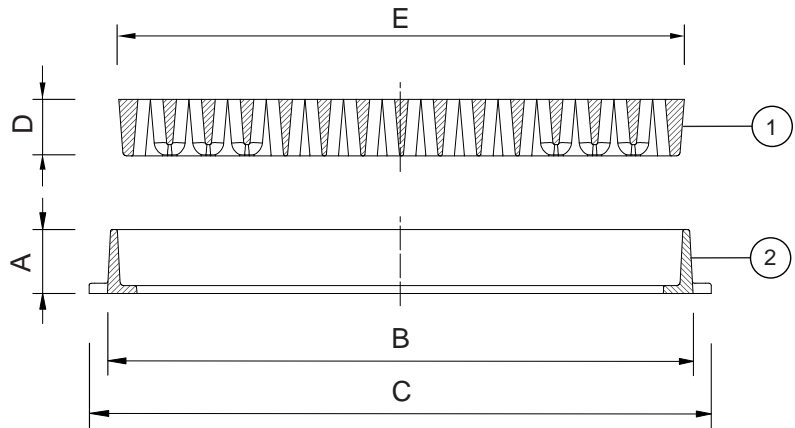
Round 60 D400
Eixo e Dobradiça



Round 50 D400



Round 60 D400



Component list

pos.	components	material	standard
1	Grate	Ductile iron EN-GJS-500-7	EN 1563
2	Frame	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Subtitle:
Lock - Conical closing system
[F-S] - Conventional security lock
[A-R] - Anti-theft system

Model - Class	Code		Lock	[A-R]	Frame			Grate		external with anchoring holes cm ²	Weight	
	Grate without frame	Grate with frame			height mm	external dimention mm	ext. dimation with stone-bolt mm	height mm	external dimention mm		without frame kg	with frame kg
	A	B			C	D	E	approx.	approx.			
* Round 50 - D400	20306232	20303004			46	575	645	35/40	527	565	34	42
* Round 60 - B125	20306271	20303136			75	750	820	55	670	1190	58	81
* Round 60 - D400	20306275	20303009			75	750	820	55	670	1080	73	96
Round 60 with hinge ** - D400	-	20303059	•		75	765	765	27/100	650	1165	-	49
Round 60 with hinge + [A-R] - D400	-	20303019	•	•	75	765	765	27/100	650	1165	-	49
Redonda 60 with hinge ** - D400	-	20303071	•		100	850	850	27/100	650	1165	-	56
Round 60 with hinge + [A-R] - D400	-	20303023	•	•	100	850	850	27/100	650	1165	-	56

** Set supplied with frame prepared for installation of the anti-theft system [A-R], system A-R not included



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PROTECTION TREE GRATE



Product description

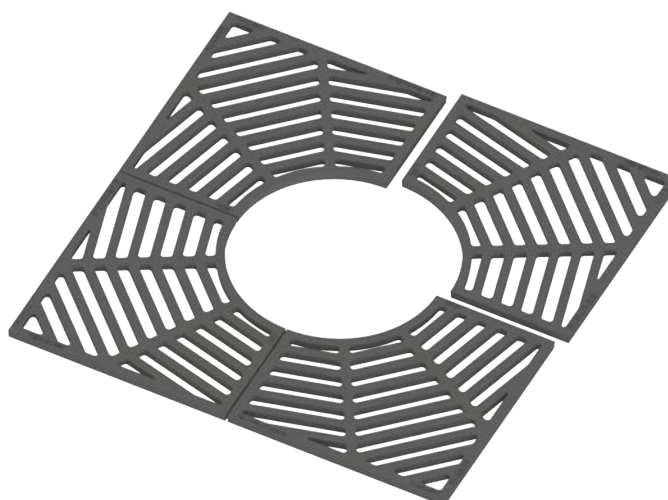
- Protection tree grate
- Water based black painting

Installation location

- Around the trees

Features

- Ductile cast iron grate (EN-GJS-500-7) with water based black painting
- Grate for placing around trees for protection, allowing the entry of water and oxygen
- Modular grates designed with slots that combine to form a central circle and allow it to adjust to the tree's natural growth
- Quick and simple installation.

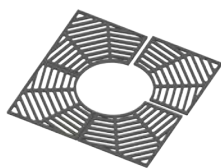


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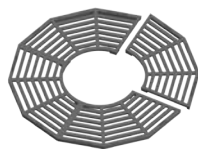
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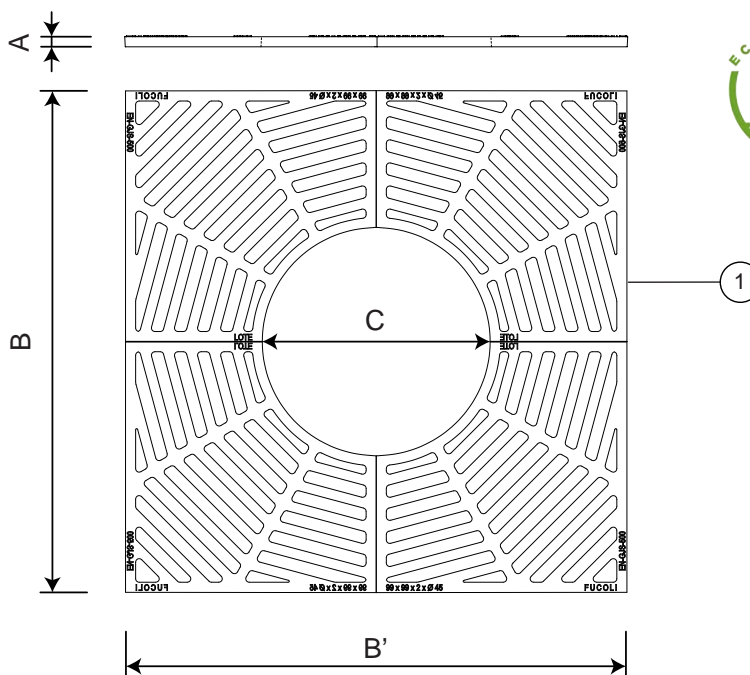
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Square



Duodenal



Component list

pos.	components	material	standard
1	Grate	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Model	code	height mm	external dimention mm	∅ internal diameter mm	nº of elements	Weight
						Total kg approx.
Small square	20314021	20	B x B'	C	2	21
Medium square	20314042	20	990 x 990	∅ 450	4	64
Large square	20314031	40	1200 x 1 200	∅ 600	4	129
Duodenal	20314201	40	1500 x 1500	∅ 600	4	148





SIPHON DRAIN DISC

Product description

- Siphon drain disc
- Water based black painting

Features

- Ductile cast iron siphon drain disc (EN-GJS-500-7) with water based black painting
- Recessable/ Built in siphon drain disc
- Quick and simple installation.

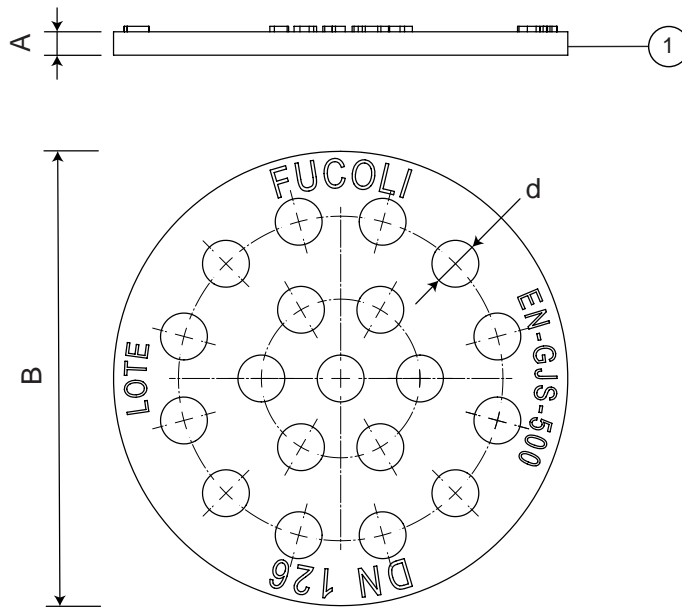


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Component list

pos.	components	material	standard
1	Siphon drain disc	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	code	height mm A	Ø external diameter mm B	Ø hole diameter mm d	Weight
					Total kg approx.
126	20321011	6.5	Ø 126	Ø 13	0.5
167	20321022	8.0	Ø 167	Ø 14	0.7
210	20321026	7.5	Ø 210	Ø 18	1



**Product description**

- Bollard
- Non-toxic water based black painting

Features

- Ductile cast iron bollard (EN-GJS-500-7) with water based black painting
- On request possibility of with black enamel paint based polyurethane resin
- Personalization of the bollard with blazon or logo in high relief with minimal quantities.

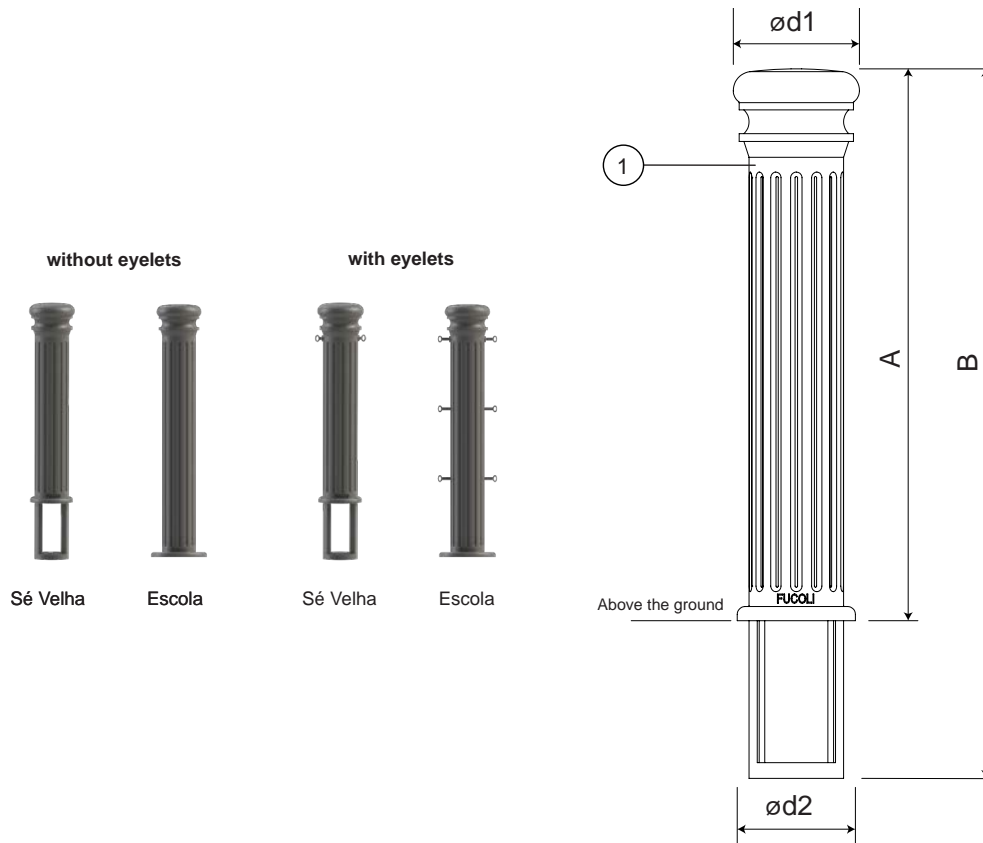


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Component list

pos.	components	material	standard
1	Bollard	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

Bollard with non-toxic water based black paint

model	code	$\varnothing d1$ mm	$\varnothing d2$ mm	Height		Weight
				above the ground mm	total mm	Total kg
				A	B	approx.
Sé Velha (without eyelets)	20301000	160	150	700	900	33
Escola (without eyelets)	20301021	160	200	900	900	38
Sé Velha (with eyelets)	20301002	160	150	700	900	33
Escola (with eyelets)	20301022	160	200	900	900	38

Bollard with black enamel paint based polyurethane resin

model	code	$\varnothing d1$ mm	$\varnothing d2$ mm	Height		Weight
				above the ground mm	total mm	Total kg
				A	B	approx.
Sé Velha (without eyelets) enamel painting	20301003	160	150	700	900	33
Escola (without eyelets) enamel painting	20301023	160	200	900	900	38
Sé Velha (with eyelets) enamel painting	20301004	160	150	700	900	33
Escola (with eyelets) enamel painting	20301024	160	200	900	900	38





DRINKING FOUNTAIN

Product description

- Drinking fountain
- Metallic painting

Features

- Drinking fountain (EN-GJS-500-7) with metallic painting
- On request possibility of painting in other colors.



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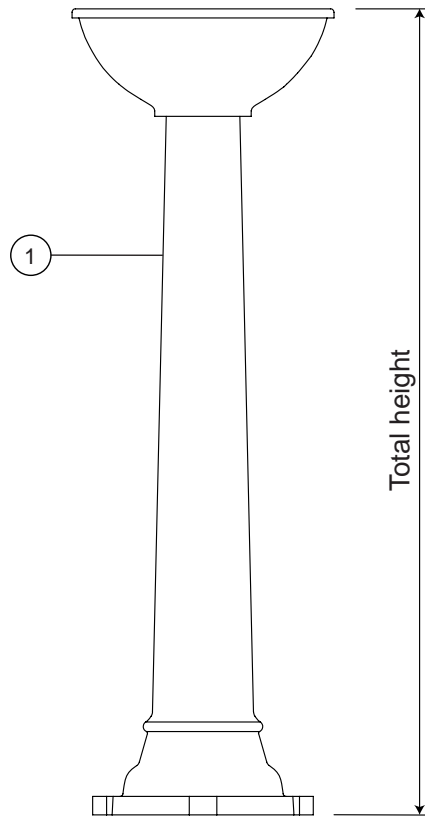


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Component list

pos.	components	material	standard
1	Drinking fountain	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

model	code	dimensions mm	Weight
			Total kg approx.
Drinking fountain without tap	39915124	Total height 880	26
Drinking fountain with tap	39915123	Total height 980	26
Grate for drinking fountain	20300101	Diameter 245	2





Product description

- Lid

Corrosion protection

- Water based black painting

Features

- Lock: Hexagon socket 6 mm
- Optionatelly could be personalized
- Available in others colors.



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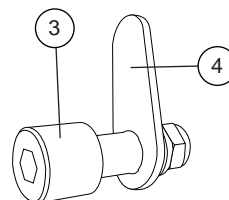
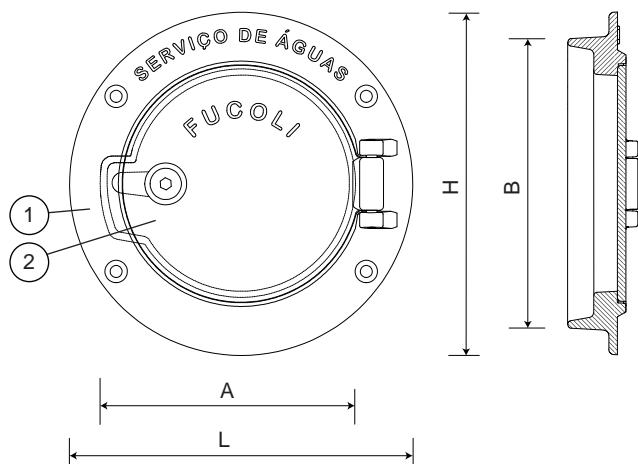
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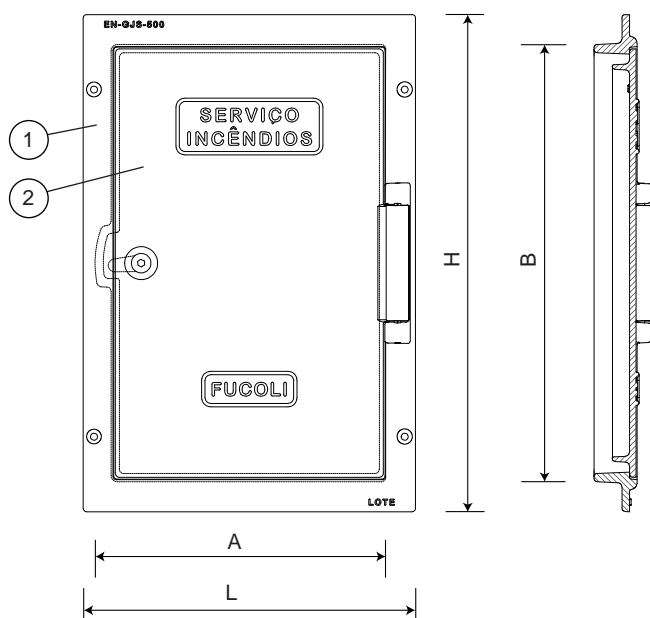


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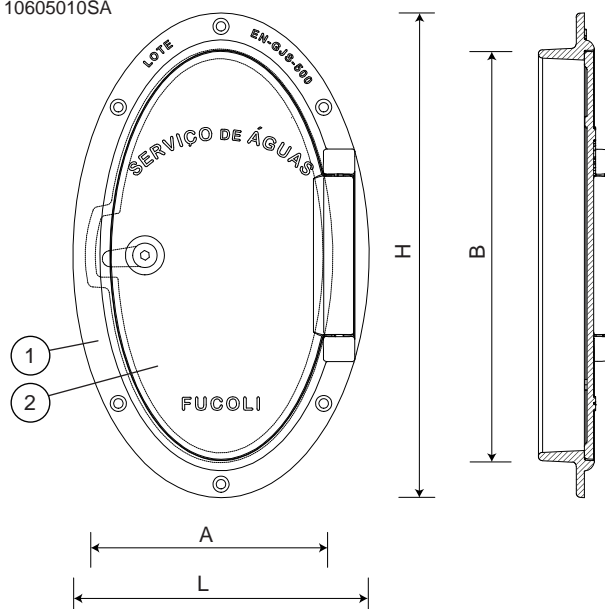


Lock Detail

10609110INC



10605010SA



Component list

pos.	components	material	standard
1	Frame	Ductile iron EN-GJS-500-7	EN 1563
2	Cover	Ductile iron EN-GJS-500-7	EN 1563
3	Lock with hexagonal key	Brass	
4	Latch	Stainless steel	

Reference and dimensions

code	model	L x H dim. max	A x B inlay	clear opening mm	Kg approx.
10603110SA	Round	∅ 200	153 x 137	∅ 126	2
10605010SA	Oval	220 x 360	182 x 305	150 x 290	4
10609110INC	Rectangular	310 x 464	273 x 408	250 x 400	10





Product description

- Step for manhole , marine zone and drinking water

Standards

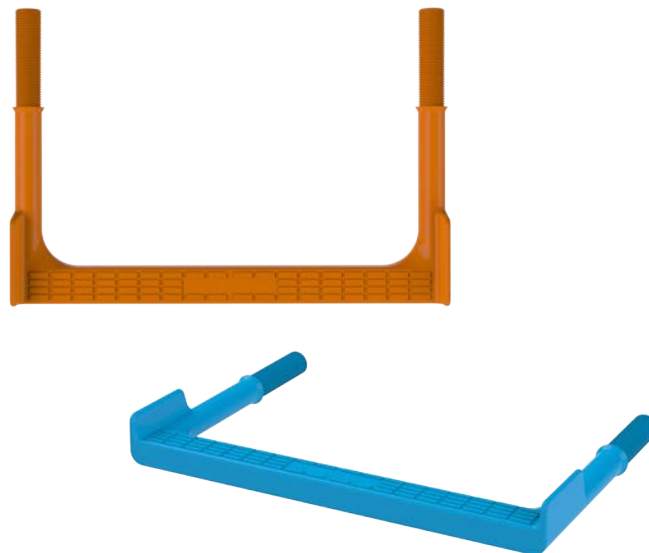
- CE marking according EN 13101:2002

Tests

- All the tests and CE marking declaration conformity, according the European EN 13101 according with the Regulation (EU) n.º 305/2011 laying down harmonised conditions for the marketing of construction products

Features

- Dosage grooves for chemical plugs
- Step for curve and straight manhole
- Ergonomic conception with non slide tread
- Crash limit for a perfect fittings
- Manhole step application: manholes, harness Wells, dockd, ports, collectors, sewer, terraces, swimming pools, basements, factories, silos, etc.
- Marine step application: salt water, docks, hydroelectric power stations, nuclear power stations, etc.
- Drinking wate step application



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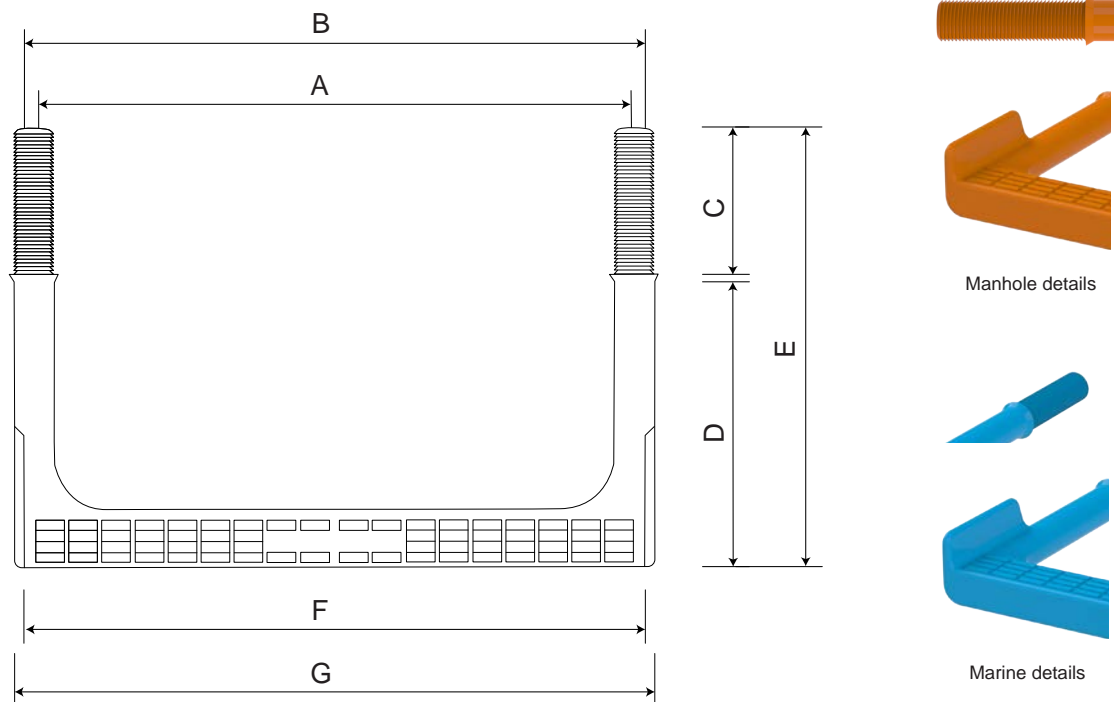


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Component list

code	model	material interior	material outside
20207010	Manhole step	Steel with \varnothing 12 mm (B-500)	Recovering non recycled polypropylene copolymer 100% virgin
20207020	Marine step	Stainless steel AISI 304 with \varnothing 12 mm	Recovering non recycled polypropylene copolymer protected by a master that prevents deterioration in the long term due to sunlight and ultraviolet
20207030	Drinking water step	Stainless steel AISI 316 with \varnothing 12 mm	Recovering non recycled polypropylene copolymer 100% virgin

Reference and dimensions

code	model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Kg approx.
20207010	Manhole step	330	357	80	160	240	340	352	1
20207020	Marine step *	330	357	80	160	240	340	352	1
20207030	Drinking water step *	330	357	80	160	240	340	352	1

* Supply in multiples of 25 units



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GASKET

DN 40 - 800 PN 10/16

15.300



Product description

- Gasket in EPDM for flanges
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Elastomer according to EN 681-1, with CE marking

Tests

- Tested for operation at 16 bar service pressure continuously

Features

- Gasket in EPDM approved for drinking water
- For flange installation according to EN 1092-2 PN10/16
- Consult our technical services for other dimension.



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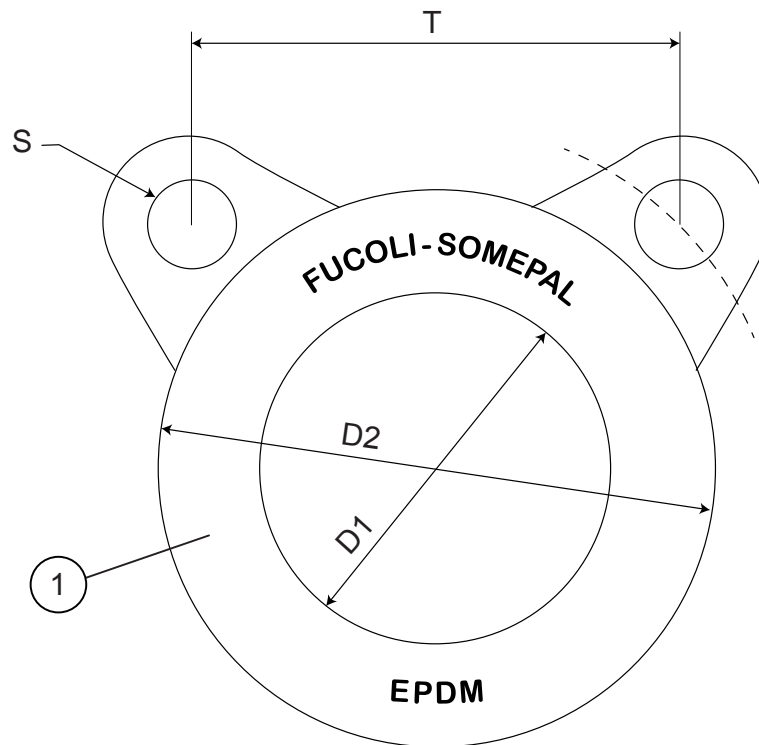


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Component list

pos.	components	material	standard
1	Body	Elastomer EPDM	EN 681 - 1

Reference and dimensions

DN	code	D1	D2	S	T	Kg approx.
40	MAS098	50	82	15	77	0.02
50	MAS110	50	96	16	87	0.03
60	MAS117	60	96	18	93	0.03
65	MAS127	77	121	18	93	0.04
80	MAS131	80	130	16	61	0.05
100	MAS132	100	154	16	68	0.05
125	MAS137	125	183	16	81	0.06
150	MAS207	150	208	20	91	0.08
200	MAS218	200	263	20	75	0.10
250	MAS226	250	316	24	91	0.17
300	MAS788	300	367	24	105	0.24
350	MAS790	350	425	24	91	0.27
400	MAS791	400	477	24	102	0.30
450	MAS792	450	542	29	264	0.37
500	MAS793	500	582	32	282	0.38
600	MAS794	600	682	35	320	0.50
700	MAS810	700	790	35	320	0.55
800	MAS1266	800	990	37	362	0.60





Product description

- Insert: stainless steel AISI304 for PE pipe

Features

- Stainless steel inserts are used to reinforce PE and uPVC pipes from the inside to allow the use of compression couplings
- The inserts are designed to reinforce pipe ends by providing inside support for PE or PVC pipes when pipe couplings or flange adaptors are used for the connection of these pipes
- The inserts are supplied with a wedge to overcome the tolerances in the plastic pipes
- Its thin wall construction will not disturb the flow characteristics of the medium
- On request possibility of Insert in stainless steel AISI 316L
- Consult our technical services for other dimension.



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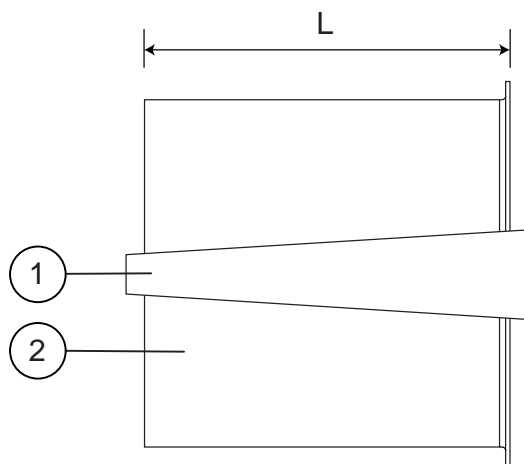
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STAINLESS STEEL INSERT FOR PE PIPES

63 - 500

15.400



Component list

pos.	components	material	standard
1	Wedge	Stainless steel AISI 304	EN 10088-1
2	Insert	Stainless steel AISI 304	EN 10088-1

Reference and dimensions

code	PE ø ext.	SDR	PE thickness	L mm
10801400	63	17.6	3.6	175
10801402	63	11	5.8 / 5.1	175
10801404	63	7.4	8.6	175
10801406	75	17.6	4.3	175
10801408	75	11	6.8 / 6.5	175
10801410	75	7.4	10.3	175
10801412	90	41	2.7 / 2.2	175
10801414	90	17 / 17.6	5.4 / 5.1	175
10801416	90	11	8.2 / 7.8	175
10801418	90	7	12.3	175
10801420	110	17 / 17.6	6.6 / 6.3	175
10801422	110	11	10.0 / 9.5	175
10801424	110	7.4	15.1	175
10801426	125	41	3.7 / 3.1	175
10801428	125	17 / 17.6	7.4 / 7.1	175
10801430	125	11	11.4	175
10801432	140	17.6	8	175
10801434	140	11	12.8	175
10801436	160	41	4.5	200
10801438	160	17 / 17.6	9.5 / 9.1	200
10801440	160	11	14.6	200
10801442	180	17 / 17.6	10.7 / 10.2	200
10801444	180	11	16.4	200
10801446	200	17 / 17.6	11.9 / 11.4	200
10801448	200	11	18.2	200
10801450	225	41	6.3 / 5.5	225
10801452	225	17 / 17.6	13.4 / 12.8	225
10801454	225	11	20.2 / 20.5	225

code	PE ø ext.	SDR	PE thickness	L mm
10801456	250	17 / 17.6	14.8 / 14.2	225
10801458	250	11	22.7	225
10801459	250	26	9.6	225
10801460	280	33	8.7	225
10801462	280	17 / 17.6	16.6 / 15.9	225
10801464	280	11	25.4	225
10801466	315	33	9.2	225
10801468	315	26	12.4	225
10801470	315	17.6	17.9	225
10801472	315	17	18.7	225
10801471	315	11	28.6	225
10801474	355	17.6	20.1	225
10801476	355	11	32.3	225
10801478	355	10	35.0	225
10801480	355	9	40.0	225
10801482	400	34	11.7	225
10801484	400	26	15.3	225
10801485	400	21	19.1	225
10801488	400	17 / 17.6	22.7 / 23.7	225
10801489	500	26	19.1	225
10801491	500	21	23.9	225
10801492	500	17.6	28.3	225
10801494	500	17	30.0	225



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BOLTS KIT IN ZINC STEEL PLATED FOR FLANGE

DN 40 - 600 PN10/16/25

15.500



Product description

- Bolts Kit (bolt+nut+washer) in zinc steel plated for flange

Features

- Bolt, nut and washer kit for flanges for drinking water, waste water, gas distribution or fire fighting
- Hexagon head screw according to DIN 933, nut according to DIN 934 and washer according to DN125
- Zinc plated steel bolts cl 8.8.



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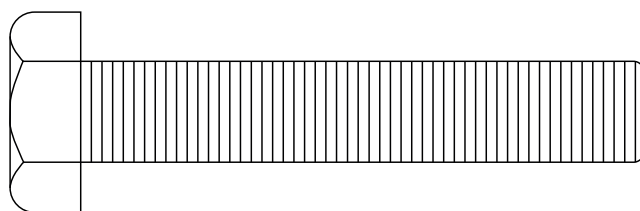
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BOLTS KIT IN ZINC STEEL PLATED FOR FLANGE DN 40 - 600 PN10/16/25

15.500



Reference and dimensions

DN	PN	code	dimension	n° quant. kit
40	10/16/25	10737500	M16 x 80	4
50	10/16/25	10737500	M16 x 80	4
60	10/16	10737500	M16 x 80	4
60	25	10737505	M16 x 80	8
65	10/16	10737500	M16 x 80	4
65	25	10737505	M16 x 80	8
80	10/16/25	10737505	M16 x 80	8
100	10/16	10737510	M16 x 90	8
100	25	10737515	M20 x 100	8
125	10/16	10737510	M16 x 90	8
125	25	10737520	M24 x 110	8
150	10/16	10737515	M20 x 100	8
150	25	10737520	M24 x 110	8
200	10	10737515	M20 x 100	8
200	16	10737525	M20 x 100	12
200	25	10737530	M24 x 110	12
250	10	10737535	M20 x 120	12
250	16	10737540	M24 x 120	12
250	25	10737545	M27 x 140	12
300	10	10737535	M20 x 120	12
300	16	10737540	M24 x 120	12
300	25	10737550	M27 x 140	16
350	10	10737555	M20 x 120	16
350	16	10737560	M24 x 120	16
350	25	10737565	M30 x 140	16
400	10	10737570	M24 x 150	16
400	16	10737555	M27 x 140	16
400	25	10737575	M33 x 150	16
450	10	10737580	M24 x 150	20
450	16	10737585	M27 x 140	20
450	25	10737590	M33 x 150	20
500	10	10737580	M24 x 150	20
500	16	10737595	M30 x 160	20
500	25	10737600	M33 x 160	20
600	10	10737605	M27 x 180	20
600	16	10737610	M33 x 180	20
600	25	10737615	M36 x 180	20



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BOLTS KIT IN STAINLESS STEEL PLATED FOR FLANGE DN 40 - 700 PN10/16/25

15.510



Product description

- Bolts Kit (bolt+nut+washer) in stainless steel plated for flange

Features

- Bolt, nut and washer kit for flanges for drinking water, waste water, gas distribution or fire fighting
- Hexagon head screw according to DIN 933, nut according to DIN 934 and washer according to DN125
- A2 stainless steel bolts and washer, A4 stainless steel nut according to EN 10088-1.



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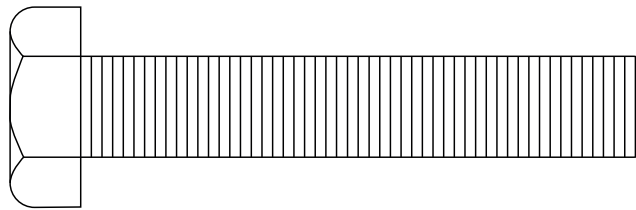
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BOLTS KIT IN STAINLESS STEEL PLATED FOR FLANGE DN 40 - 700 PN10/16/25

15.510



Reference and dimensions

DN	PN	code	dimension	n° quant. kit
40	10/16/25	10737700	M16 x 80	4
50	10/16/25	10737700	M16 x 80	4
60	10/16	10737700	M16 x 80	4
60	25	10737705	M16 x 80	8
65	10/16	10737700	M16 x 80	4
65	25	10737705	M16 x 80	8
80	10/16/25	10737705	M16 x 80	8
100	10/16	10737710	M16 x 90	8
100	25	10737715	M20 x 100	8
125	10/16	10737710	M16 x 90	8
125	25	10737720	M24 x 110	8
150	10/16	10737715	M20 x 100	8
150	25	10737720	M24 x 110	8
200	10	10737715	M20 x 100	8
200	16	10737725	M20 x 100	12
200	25	10737730	M24 x 110	12
250	10	10737735	M20 x 120	12
250	16	10737740	M24 x 120	12
250	25	10737745	M27 x 140	12
300	10	10737735	M20 x 120	12
300	16	10737740	M24 x 120	12
300	25	10737750	M27 x 140	16
350	10	10737755	M20 x 120	16
350	16	10737760	M24 x 120	16
350	25	10737765	M30 x 140	16
400	10	10737770	M24 x 150	16
400	16	10737750	M27 x 140	16
400	25	10737775	M33 x 150	16
450	10	10737780	M24 x 150	20
450	16	10737785	M27 x 140	20
450	25	10737790	M33 x 150	20
500	10	10737780	M24 x 150	20
500	16	10737795	M30 x 160	20
500	25	10737800	M33 x 160	20
600	10	10737805	M27 x 150	20
600	16	10737810	M33 x 180	20
600	25	10737815	M36 x 180	20
700	10	10737820	M27 x 150	24



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Product description

- Flanged soft sealing gate valve series 3000 with gas sealed
- Service temperature from - 10°C to 60°C

Standards

- Designed according to EN 13774 & EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14

Tests

All valves are individually hydrostatically tested according to EN 13774 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK approved

Approvals

- AENOR Certificate PED A21/000139
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve with gas sealed
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR, gas approved
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].



n° 0099



RAI GUTZEICHEN
SCHWEISS KLASSENQUALITÄT
VON ANNAKTIVEN UND PRÄMIEN

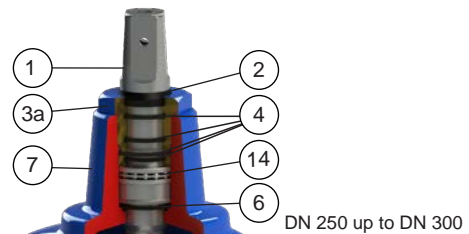
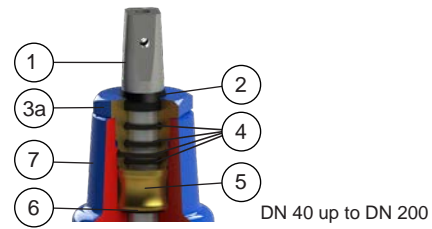
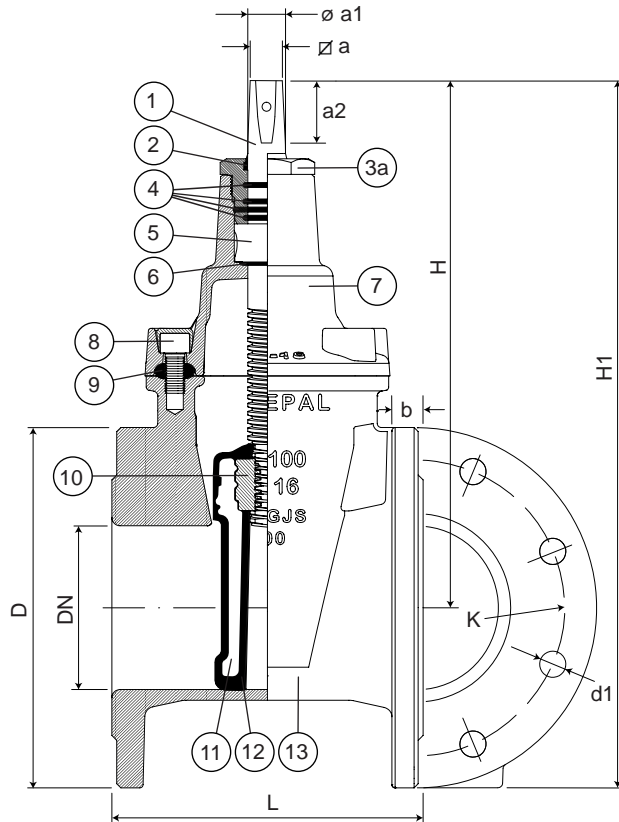


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3a	Gland	Brass	EN 12164
4	O-rings	Elastomer NBR	EN 682
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 682
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
9	Bonnet gasket	Elastomer NBR	EN 549
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 549
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	-

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	∅ a	∅ a1	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10753000	150	140	203	278	110	4 x 19	19	14.1	20	29	10	8
50	10/16	10753005	165	150	235	318	125	4 x 19	19	14.1	20	29	13	10
60	10/16	10753010	175	170	250	338	135	4 x 19	19	17.1	22	34	13	12
65	10/16	10753015	185	170	250	343	145	4 x 19	19	17.1	22	34	13	12
80	10/16	10753020	200	180	290	390	160	8 x 19	19	17.1	22	34	16	17
100	10/16	10753025	220	190	325	435	180	8 x 19	19	19.1	24	38	20	20
125	10/16	10753030	250	200	362	487	210	8 x 19	19	19.1	26	38	25	24
150	10/16	10753035	285	210	425	568	240	8 x 23	19	19.1	28	38	30	35
200	10	10753040	340	230	505	675	295	8 x 23	20	24.1	32	42	34	50
200	16	10753045	340	230	505	675	295	12 x 23	20	24.1	32	42	34	50
250	10	10753050	400	250	595	795	350	12 x 23	22	27.1	36	47	42	72
250	16	10753055	400	250	595	795	355	12 x 28	22	27.1	36	47	42	72
300	10	10753060	455	270	670	898	400	12 x 23	24.5	27.1	36	47	50	105
300	16	10753065	455	270	670	898	410	12 x 28	24.5	27.1	36	47	50	105





Product description

- Flanged soft sealing gate valve series 3000 with gas sealed
- Service temperature from - 10°C to 60°C

Standards

- Designed according to EN 13774 & EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 15

Tests

All valves are individually hydrostatically tested according to EN 13774 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK approved

Approvals

- AENOR Certificate PED A21/000139
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve with gas sealed
- Full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR, gas approved
- Top of the wedge conceived with "soft stop" system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with "monorail" system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].



n° 0099



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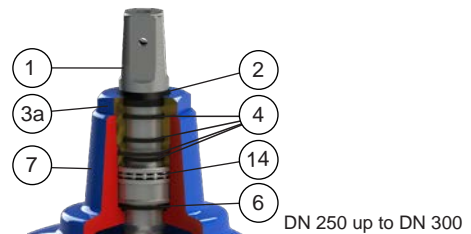
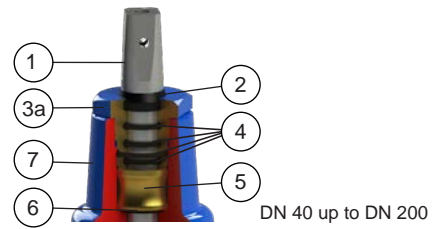
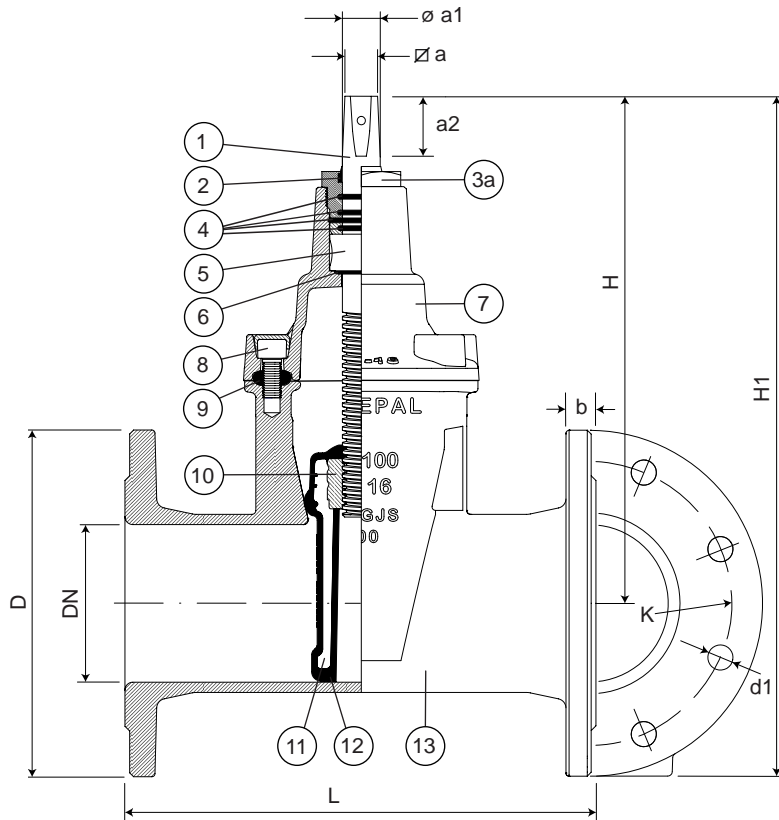


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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3a	Gland	Brass	EN 12164
4	O-rings	Elastomer NBR	EN 682
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 682
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
9	Bonnet gasket	Elastomer NBR	EN 549
10	Wedge nut	Brass	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 549
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Gland bush	POM	-

Reference and dimensions

DN	PN	code	D	L	H	H1	K	n° x d1	b	$\varnothing a$	$\varnothing a1$	a2	turns to open	Kg approx.
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
40	10/16	10753200	150	240	203	278	110	4 x 19	19	14.1	20	29	10	8
50	10/16	10753205	165	250	235	318	125	4 x 19	19	14.1	20	29	13	11
60	10/16	10753210	175	270	250	338	135	4 x 19	19	17.1	22	34	13	13
65	10/16	10753215	185	270	250	343	145	4 x 19	19	17.1	22	34	13	13
80	10/16	10753220	200	280	290	390	160	8 x 19	19	17.1	22	34	16	17
100	10/16	10753225	220	300	325	435	180	8 x 19	19	19.1	24	38	20	21
125	10/16	10753230	250	325	362	487	210	8 x 19	19	19.1	26	38	25	26
150	10/16	10753235	285	350	425	568	240	8 x 23	19	19.1	28	38	30	38
200	10	10753240	340	400	505	675	295	8 x 23	20	24.1	32	42	34	54
200	16	10753245	340	400	505	675	295	12 x 23	20	24.1	32	42	34	54
250	10	10753250	400	450	595	795	350	12 x 23	22	27.1	36	47	42	80
250	16	10753253	400	450	595	795	355	12 x 28	22	27.1	36	47	42	80
300	10	10753260	455	500	670	898	400	12 x 23	24.5	27.1	36	47	50	132
300	16	10753265	455	500	670	898	410	12 x 28	24.5	27.1	36	47	50	132



SOFT SEALING GATE VALVE WITH PE PIPES SPIGOT ENDS 3000

PE100 PN16 SDR11 pipe end

DN 50 - 300 PN16

16.301



Product description

- Soft sealing gate valve with PE spigot ends series 3000 with gas sealed
- Service temperature from 0°C to 40°C

Standards

- Designed according to EN 13774 & EN 1171
- PE 100 PN16 SDR11 pipe according to EN 12201-2

Tests

All valves are individually hydrostatically tested according to EN 13774 and EN 12266:

- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar). Operation torque test

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901 and GSK approved

Approvals

- AENOR Certificate PED A21/000139
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve with gas sealed and full bore
- Low operating torque
- The valves from DN 250 to DN 300 are equipped with an axial bearing to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR, gas approved
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- PE100 PN16 SDR11 pipe end that allow a perfect butt fusion and electrofusion with the PE pipeline
- The PE pipe is pressed onto the grooved valve end body and blocked with a cast iron sleeve and sealed with plastic shrink hose
- Accessories: handwheel [ref.05.100], stem cap [ref. 05.200], extension spindle [ref. 05.300] and surface box [ref. 05.500].

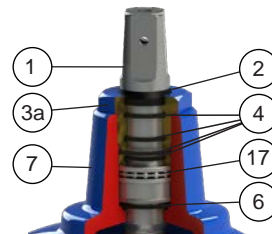
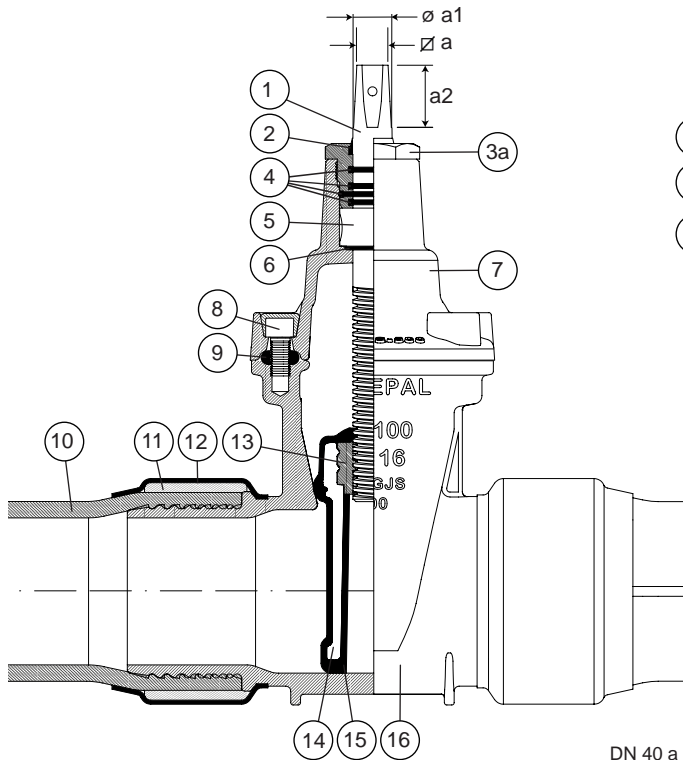


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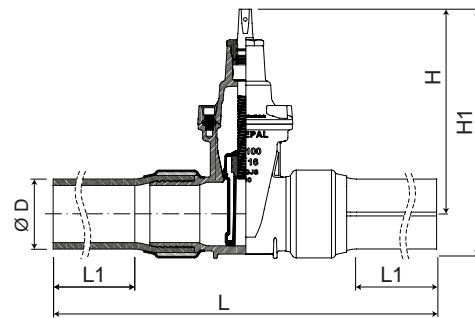
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DN 250 a DN 300



DN 40 a DN 200

Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Clearing joint	Elastomer	-
3a	Gland	Brass	EN 12164
4	O-rings	Elastomer NBR	EN 682
5	Stem washer	Brass	EN 12164
6	O-ring	Elastomer NBR	EN 682
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088 - 1
9	Bonnet gasket	Elastomer NBR	EN 549
10	Pipe	PE100 PN16 SDR11	EN 12201 - 2

pos.	components	material	standard
11	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
12	Shrink hose	Plastic	-
13	Wedge nut	Brass	EN 12164
14	Wedge	Ductile iron EN-GJS-500-7	EN 1563
15	Wedge covering	Elastomer NBR	EN 549
16	Body	Ductile iron EN-GJS-500-7	EN 1563
17	Bearing	Steel	ISO 20516
18	Gland bush	POM	-

Reference and dimensions

DN	$\varnothing D$ ext. PE	code	L mm	L1 mm	H mm	H1 mm	$\varnothing a$ mm	$\varnothing a1$ mm	a2 mm	turns to open	Kg approx.
50	63	10753412	680	190	235	276	14.1	20	29	13	9
65	75	10753420	700	190	250	298	17.1	22	34	13	11
80	90	10753425	800	230	290	350	17.1	22	34	16	17
100	110	10753427	800	230	325	395	19.1	24	38	20	23
125	140	10753435	845	240	362	451	19.1	26	38	25	34
150	160	10753442	900	250	425	527	19.1	28	38	30	40
200	200	10753452	1050	285	505	628	24.1	32	42	34	69
250	250	10753465	1100	285	595	744	27.1	36	47	42	94
300	315	10753475	1300	330	670	850	27.1	36	47	50	198



and gas sealed DN 50 - 400 PN5



Product description

- Multimaterial coupling with GFIX® grip system and gas sealed
- Service temperature from - 15°C to 50°C
- Working pressure: 5 bar

Standards

- Designed according to EN 969

Test according

- EN 969: Positive internal pressure

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Multimaterials coupling with gas sealed
- GFIX® system allows a high-fidelity seal/locking of the assembly without pipe disconnections
- The pipe block is performed by a tempered serrated rivets system mounted on the conical claws that fit and grip causing no damage on the pipe
- Sealing system in NBR, gas approved
- The sealing is carried out through a seal with O-rings, mounted on a ring made by the grip support, which will slide until being pressed against the pipe
- Allows a maximum angle deflection of 8°
- Bolts and washers in stainless steel A2 and nuts in stainless steel A4 with anti-friction coated protection
- Bolts ends protected with plastic caps
- Allow the connection between pipes with several external diameters and different materials (PE, uPVC, ductile iron, steel, abestos ciment, glass fiber pipes and others)
- For PE or uPVC pipe applications, should be used an insert in stainless steel (ref.15.400)
- On request possibility of bolts, washers and nuts in stainless steel A4.

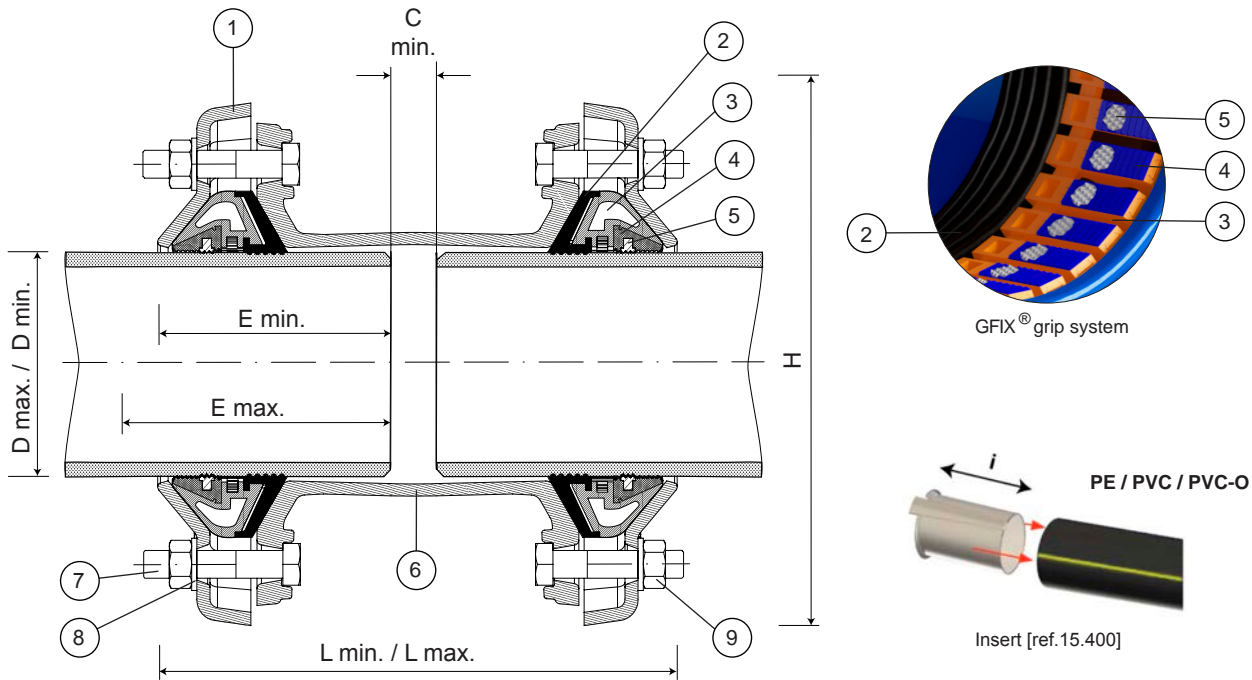


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Component list

pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing	Elastomer NBR	EN 682
3	Gripper support	POM	-
4	Gripper	POM	-
5	Rivets with milling	Tempered steel cq 15	DIN 1654

pos.	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2	EN 10088 - 1
8	Washers	Stainless steel A2	EN 10088 - 1
9	Nuts	Stainless steel A4	EN 10088 - 1

Reference and dimensions

DN	D	code	L	H	E	C	Kg approx.	i	Bolt	Torque
mm	min./max. mm - mm		min./max. mm - mm	mm	min./max. mm - mm	min. mm		insert* mm		
50	39 - 52	10900800	233 - 250	162	90 - 115	20	6	175	6 x M12 19 mm	50 - 70 Nm
50	49 - 64	10900802	231 - 250	175	90 - 115	20	6	175	6 x M12 19 mm	50 - 70 Nm
65	63 - 83	10900804	258 - 286	209	105 - 133	20	12	175	8 x M12 19 mm	50 - 70 Nm
80	72 - 93	10900805	257 - 286	217	105 - 133	20	13	175	8 x M12 19 mm	50 - 70 Nm
80	78 - 103	10900806	250 - 286	229	105 - 133	20	14	175	8 x M12 19 mm	50 - 70 Nm
100	87 - 117	10900808	244 - 286	243	105 - 133	20	15	175	8 x M12 19 mm	50 - 70 Nm
100	100 - 130	10900810	253 - 299	256	105 - 140	20	16	175	8 x M16 24 mm	90 - 120 Nm
125	117 - 147	10900812	253 - 299	273	105 - 140	20	19	175	8 x M16 24 mm	90 - 120 Nm
150	138 - 168	10900814	253 - 299	294	105 - 140	20	21	175	8 x M16 24 mm	90 - 120 Nm
150	152 - 182	10900816	288 - 330	308	115 - 155	20	21	200	8 x M16 24 mm	90 - 120 Nm
175	172 - 202	10900818	288 - 330	325	115 - 155	20	23	200	8 x M16 24 mm	90 - 120 Nm
200	198 - 228	10900820	288 - 330	354	115 - 155	20	28	200	8 x M16 24 mm	90 - 120 Nm
225	217 - 257	10900822	300 - 359	392	130 - 170	20	32	225	12 x M16 24 mm	90 - 120 Nm
250	245 - 285	10900824	383 - 440	434	150 - 210	20	39	225	12 x M16 24 mm	90 - 120 Nm
300	300 - 340	10900826	383 - 440	479	150 - 210	20	51	225	16 x M16 24 mm	90 - 120 Nm
350	340 - 380	10900828	383 - 440	519	150 - 210	20	55	225	16 x M16 24 mm	90 - 120 Nm
400	390 - 430	10900830	383 - 440	571	150 - 210	20	70	225	16 x M16 24 mm	90 - 120 Nm

* recommended for PE, uPVC or PVC-O pipes - insert [ref. 15.400]

Table of tolerances and pipes on next page



TABLE OF TOLERANCES AND PIPES

Tolerances	code	Pipes									
		HDPE / PE / PVC / PVC-u	Ductile iron		Steel	Asbestos cement					
D min. - max. mm - mm		ø ext. pipe mm	DN	ø ext. pipe mm	ø ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
39 - 52	10900800	40 50	-	-	42.4 48.3	-	-	-	-	-	-
49 - 64	10900802	50 63	40	56	48.3 60.3	-	-	-	-	-	-
63 - 83	10900804	63 75	50 60 65	66 77 82	76.1	50 60	66 76	66 76	66 76	66 76	66 78
72 - 93	10900805	75 90	60 65	77 82	76.1 88.9	60	76	76	76	76	76
78 - 103	10900806	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 96	78 -
87 - 117	10900808	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100 - 130	10900810	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
117 - 147	10900812	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
138 - 168	10900814	140 160	125	144	139.7	125 150	141 168	141 168	145 -	151 -	157 -
152 - 182	10900816	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
172 - 202	10900818	180 200	-	-	177.8 193.7	150	-	-	174	180	188
198 - 228	10900820	200 225	200	222	219.1	200	220	222	228	-	-
217 - 257	10900822	225 250	200	222	244.5	200	220	222	228	238	250
245 - 285	10900824	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
300 - 340	10900826	315	300	326	323.9	300	324	330	338	-	-
340 - 380	10900828	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
390 - 430	10900830	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -



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100% MADE IN EUROPE

LARGE TOLERANCE MULTIMATERIAL COUPLING FLANGE ADAPTOR WITH GFIX® GRIP SYSTEM **and gas sealed** DN 50 - 400 PN5

16.401



Product description

- Large tolerance multimaterial coupling flanged adaptor with GFIX® grip system and gas sealed
- Service temperature from - 15°C to 50°C
- Working pressure: 5 bar

Standards

- Designed according to EN 969
- Flange drilling to EN 1092-2 PN10/16

Test according

- EN 969: Positive internal pressure

Corrosion protection

- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according EN 14901 and GSK approved

Approvals

- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Large tolerance multimaterial coupling flanged adaptor with gas sealed
- GFIX® system allows a high-fidelity seal/locking of the assembly without pipe disconnections
- The pipe block is performed by a tempered serrated rivets system mounted on the conical claws that fit and grip causing no damage on the pipe
- Sealing system in NBR, gas approved
- The sealing is carried out through a seal with O-rings, mounted on a ring made by the grip support, which will slide until being pressed against the pipe
- Allows a maximum angle deflection of 4°
- Bolts and washers in stainless steel A2 and nuts in stainless steel A4 with anti-friction coated protection
- Bolts ends protected with plastic caps
- Allow the connection between pipes with several external diameters and different materials (PE, uPVC, ductile iron, steel, abestos ciment, glass fiber pipes and others) to flanged component
- For PE or uPVC pipe applications, should be used an insert in stainless steel (ref.15.400)
- On request possibility of bolts, washers and nuts in stainless steel A4.



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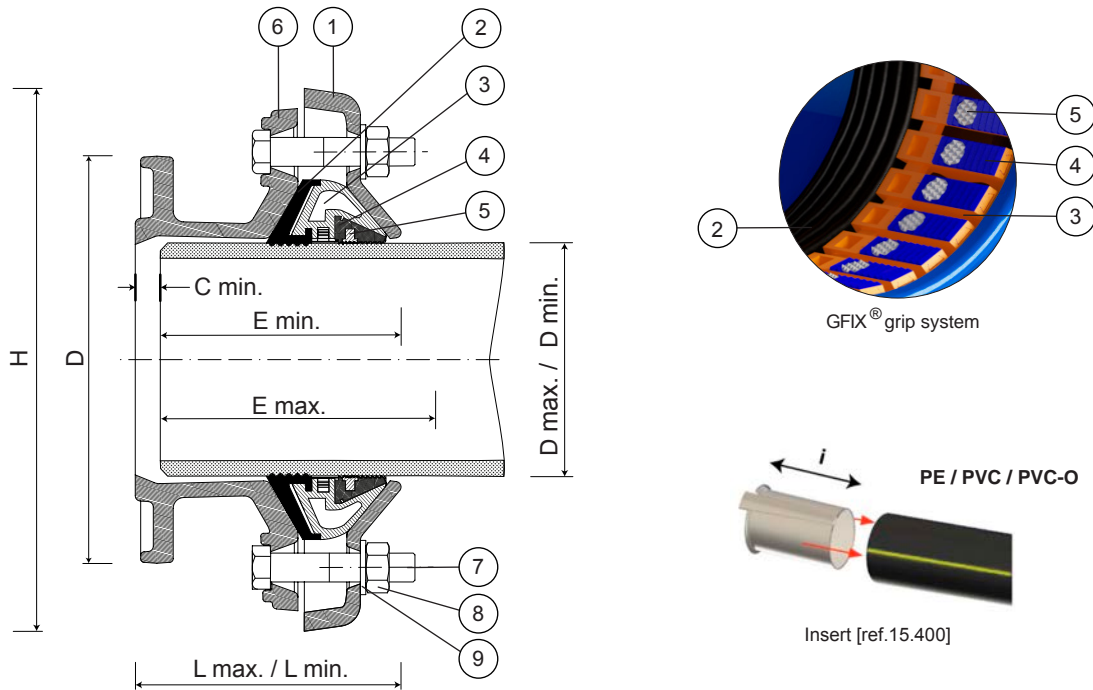
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LARGE TOLERANCE MULTIMATERIAL COUPLING FLANGE ADAPTOR WITH GFIX® GRIP SYSTEM and gas sealed DN 50 - 400 PN5

16.401




Component list

pos.	components	material	standard
1	Locking ring	Ductile iron EN-GJS-500-7	EN 1563
2	Sealing	Elastomer NBR	EN 682
3	Gripper support	POM	-
4	Gripper	POM	-
5	Rivets with milling	Tempered steel cq 15	DIN 1654

pos.	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2	EN 10088 - 1
8	Nuts	Stainless steel A4	EN 10088 - 1
9	Washers	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN flange	D min./max. mm - mm	PN	code	L min./max. mm - mm	H mm	E min./max. mm - mm	C min. mm	Kg approx.	i insert* mm	Bolt		Torque
50	39 - 52	10/16	10900600	129 - 138	195	90 - 120	15	5	175	3 x M12	19 mm	50 - 70 Nm
50	49 - 64	10/16	10900602	128 - 138	197	90 - 120	15	5	175	3 x M12	19 mm	50 - 70 Nm
60/65	63 - 83	10/16	10900604	129 - 143	209	105 - 128	15	8	175	4 x M12	19 mm	50 - 70 Nm
80	78 - 103	10/16	10900606	125 - 143	229	105 - 128	15	9	175	4 x M12	19 mm	50 - 70 Nm
80/100	87 - 117	10/16	10900608	121 - 143	243	105 - 128	15	10	175	4 x M12	19 mm	50 - 70 Nm
100	100 - 130	10/16	10900610	127 - 150	256	105 - 130	20	10	175	4 x M16	24 mm	90 - 120 Nm
125	117 - 147	10/16	10900612	127 - 150	273	105 - 130	20	12	175	4 x M16	24 mm	90 - 120 Nm
150	152 - 182	10/16	10900614	147 - 168	308	115 - 145	20	14	175	4 x M16	24 mm	90 - 120 Nm
200	198 - 228	10/16	10900616	147 - 168	354	115 - 145	20	18	200	4 x M16	24 mm	90 - 120 Nm
200	245 - 285	10/16	10900617	251 - 280	424	150 - 180	95	30	200	6 x M16	24 mm	90 - 120 Nm
250	245 - 285	10/16	10900618	191 - 220	420	150 - 180	30	27	225	6 x M16	24 mm	90 - 120 Nm
300	300 - 340	10/16	10900620	191 - 220	479	150 - 180	30	35	225	8 x M16	24 mm	90 - 120 Nm
300	340 - 380	10/16	10900621	271 - 300	519	150 - 180	110	49	225	8 x M16	24 mm	90 - 120 Nm
350	340 - 380	10/16	10900622	191 - 220	520	150 - 180	40	42	225	8 x M16	24 mm	90 - 120 Nm
400	390 - 430	10	10900624	191 - 220	571	150 - 180	40	49	225	8 x M16	24 mm	90 - 120 Nm
400	390 - 430	16	10900626	191 - 220	571	150 - 180	40	52	225	8 x M16	24 mm	90 - 120 Nm

* recommended for PE, uPVC or PVC-O pipes - insert [ref. 15.400]

Table of tolerances and pipes on next page



TABLE OF TOLERANCES AND PIPES

DN	Tolerances D min. - max. mm - mm	code		Pipes									
		PN10	PN16	HDPE / PE / PVC / PVC-u	Ductile iron		Steel	Asbestos cement					
				∅ ext. pipe mm	DN	∅ ext. pipe mm	∅ ext. pipe mm	DN	Class 6	Class 12	Class 18	Class 24	Class 30
50	39 - 52	10900600	10900600	40 50	-	-	42.4 48.3	-	-	-	-	-	-
50	49 - 64	10900602	10900602	50 63	40	56	48.3 60.3	-	-	-	-	-	-
60/65	63 - 83	10900604	10900604	63 75	50 60 65	66 77 82	76.1	50 60	66 76	66 76	66 76	66 76	66 78
80	78 - 103	10900606	10900606	90	65 80	82 98	88.9 101.6	60 80	- 96	- 96	- 96	- 98	78 -
80/100	87 - 117	10900608	10900608	90 110	80	98	88.9 101.6 114.3	80 100	96 116	96 116	96 -	98 -	104 -
100	100 - 130	10900610	10900610	110 125	100	118	101.6 114.3	80 100	- 116	- 116	- 118	- 122	104 128
125	117 - 147	10900612	10900612	125 140	100 125	118 144	139.7	100 125	- 141	- 141	118 145	122 -	128 -
150	152 - 182	10900614	10900614	160 180	150	170	168.3 177.8	125 150	- 168	- 168	- 174	- 180	157 -
200	198 - 228	10900616	10900616	200 225	200	222	219.1	200	220	222	228	-	-
200	245 - 285	10900617	10900617	250 280	200	274	273	200 250	- 272	- 276	- -	- -	250 -
250	245 - 285	10900618	10900618	250 280	250	274	273	200 250	- 272	- 276	- -	- -	250 -
300	300 - 340	10900620	10900620	315	300	326	323.9	300	324	330	338	-	-
300	340 - 380	10900621	10900621	315	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
350	343 - 378	10900622	10900622	355	350	378	355.6	300 350	- 376	- -	- -	352 -	366 -
400	390 - 430	10900624	10900626	400	400	429	406.4	350 400	- 428	- -	- -	- -	426 -



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