

MULTIMATERIALS COUPLING WITH GFIX® GRIP SYSTEM DN 50 - 400 PN10/16

08.400



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 14901-1 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, 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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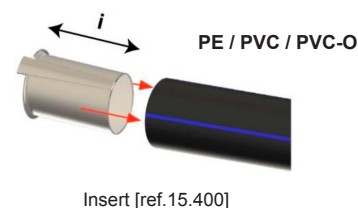
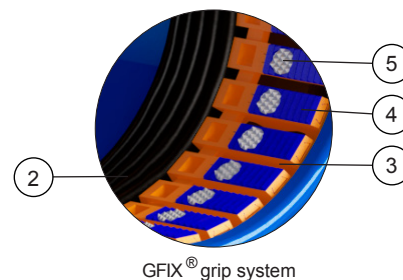
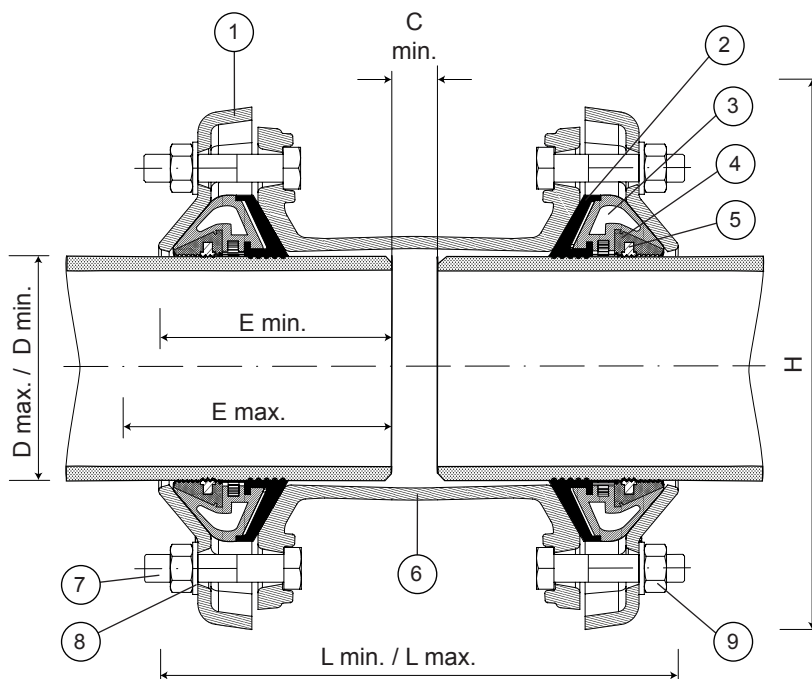
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Component list

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	code	L	H	E	C	Kg	i	Bolt	Torque
mm	min./max. mm - mm		min./max. mm - mm	mm	min./max. mm - mm	min. mm	approx.	insert* mm		
50	39 - 52	10900400	233 - 250	162	90 - 115	20	6	175	6 x M12	50 - 70 Nm
50	49 - 64	10900401	231 - 250	175	90 - 115	20	6	175	6 x M12	50 - 70 Nm
65	63 - 83	10900402	258 - 286	209	105 - 133	20	12	175	8 x M12	50 - 70 Nm
80	72 - 93	10900424	257 - 286	217	105 - 133	20	13	175	8 x M12	50 - 70 Nm
80	78 - 103	10900403	250 - 286	229	105 - 133	20	14	175	8 x M12	50 - 70 Nm
100	87 - 117	10900404	244 - 286	243	105 - 133	20	15	175	8 x M12	50 - 70 Nm
100	100 - 130	10900405	253 - 299	256	105 - 140	20	16	175	8 x M16	90 - 120 Nm
125	117 - 147	10900406	253 - 299	273	105 - 140	20	19	175	8 x M16	90 - 120 Nm
150	138 - 168	10900407	253 - 299	294	105 - 140	20	21	175	8 x M16	90 - 120 Nm
150	152 - 182	10900408	288 - 330	308	115 - 155	20	21	200	8 x M16	90 - 120 Nm
175	172 - 202	10900409	288 - 330	325	115 - 155	20	23	200	8 x M16	90 - 120 Nm
200	198 - 228	10900410	288 - 330	354	115 - 155	20	28	200	8 x M16	90 - 120 Nm
225	217 - 257	10900411	300 - 359	392	130 - 170	20	32	225	12 x M16	90 - 120 Nm
250	245 - 285	10900412	383 - 440	434	150 - 210	20	39	225	12 x M16	90 - 120 Nm
300	300 - 340	10900413	383 - 440	479	150 - 210	20	51	225	16 x M16	90 - 120 Nm
350	340 - 380	10900414	383 - 440	519	150 - 210	20	55	225	16 x M16	90 - 120 Nm
400	390 - 430	10900415	383 - 440	571	150 - 210	20	70	225	16 x M16	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

08.400



Tolerances	code	Pipes									
		PE / 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	- -	396 -	410 -	426 -



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