MULTIMATERIALS COUPLING WITH GFIX® GRIP SYSTEM and gas sealed DN 50 - 400 PN5

16.400

Product description
- Multimaterial coupling with GFIX® grip system and gas sealed.
- Service temperature from - 15ºC to 50ºC.
- 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 14901-1 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 8º.
- Bolts in A2 (Aisi 304) with Lubo anti galling surface coating, washers in A2 (Aisi 304) and nuts in A4 (Aisi 316).
- 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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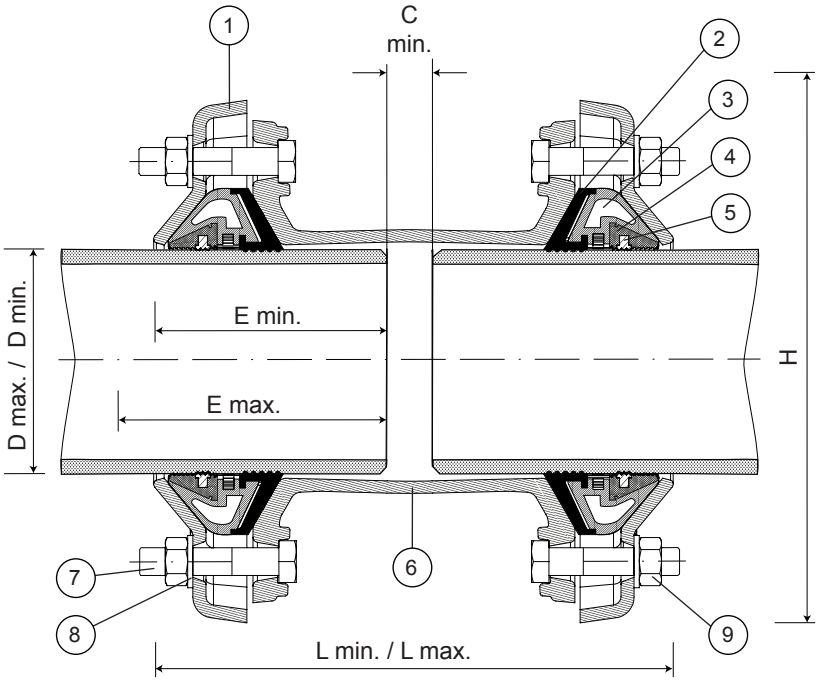
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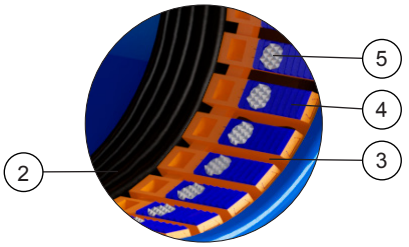
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Being one of the main objectives of our company the development and satisfaction of our customers, we reserve the right to update, change or replace the specifications presented without prior notice.

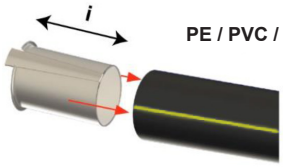
MULTIMATERIALS COUPLING WITH GFIX® GRIP SYSTEM
and gas sealed
DN 50 - 400 PN5

16.400





GFIX® grip system



Insert [ref.15.400]

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	EN 10263-1/2/3/4/5

pos	components	material	standard
6	Body	Ductile iron EN-GJS-500-7	EN 1563
7	Bolts	Stainless steel A2 Lubo coated	EN 10088-1
8	Washers	Stainless steel A2	EN 10088-1
9	Nuts	Stainless steel A4	EN 10088-1

Reference and dimensions

DN mm	D min./max. mm - mm	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	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]

Fucoli-Somepal GFIX couplings are covered by Environmental Product Declaration DAP 031:2026, independently verified by CERTIF and registered under the DAPHabitat programme, in accordance with ISO 14025 and EN 15804:2012+A2:2019.

The EPD reports the average environmental performance of the range per kilogram of product, covering the life cycle from cradle to grave and Module D (A1–D): production, transport and installation, use and end of life, together with potential benefits and loads beyond the system boundary associated with material recovery.

Environmental indicators per unit can be estimated by multiplying the values per kilogram declared in the EPD by the weight of the coupling, taking into account the applicable modules and scenarios. Module D results are reported separately. Comparisons with other products must comply with the comparability requirements of ISO 14025 and EN 15804. Please refer to the EPD for further information.

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.

TABLE OF TOLERANCES AND PIPES

DN	Tolerances D min. - max. mm - mm	Code	Pipes														
			PE EN 12201-2	uPVC EN ISO 1452-2	PVC-O EN 17176	Ductile iron EN 545		Steel BS 1387/534/3600/1600		Glass fibre EN ISO 23856		Asbestos cement					
			ø ext. pipe mm			DN	ø ext. pipe mm	DN	ø ext. pipe mm	DN	ø ext. pipe mm	DN	NP 270 Class	NP 270 ø ext. pipe mm	DN	BS 486-1 Class	BS 486-1 ø ext. pipe mm
50	39 - 52	10900800	40 50	40 50	40 50	-	-	32 40	42.4 48.3	-	-	-	-	-	-	-	-
50	49 - 64	10900802	50 63	50 63	50 63	-	-	50	60.3	-	-	-	-	-	-	-	-
65	63 - 83	10900804	63 75	63 75	63 75	50 60 65	66 77 82	65	76.1	-	-	50 60 60	6 to 30 6 to 24 30	66 76 78	50	25	69
80	72 - 93	10900805	75 90	75 90	75 90	60 65	77 82	65 80	76.1 88.9	-	-	60 60	6 to 24 30	76 78	50	25	69
80	78 - 103	10900806	90	90	90	65 80	82 98	80 90	88.9 101.6	-	-	60 80	30 6 to 24	78 96	80	25	96
100	87 - 117	10900808	90 110	90 110	90 110	80	98	80 90 100	88.9 101.6 114.3	100	115	80 80 100	6 to 24 30 6 to 12	96 104 116	80	25	96
100	100 - 130	10900810	110 125	110 125	110 125	100	118	90 100	101.6 114.3	100	115	80 100 100 100 100	30 6 to 12 18 24 30	104 116 118 122 128	100	25	122
125	117 - 147	10900812	125 140	125 140	125 140	100 125	118 144	125	139.7	125	141	100 100 100 125 125	18 24 30 6 to 12 18	118 122 128 141 145	100	25	122
150	138 - 168	10900814	140 160	140 160	140 160	125	144	150	139.7	125 150	141 167	125 125 125 125 150	6 to 12 18 24 30 6	141 145 151 157 168	-	-	-
150	152 - 182	10900816	160 180	160 180	160 180	150	170	150 150	168.3 177.8	150	167	125 150 150 150	30 6 to 12 18 24	157 168 174 180	150 150	15 25	177 177
175	172 - 202	10900818	180 200	180 200	180 200	-	-	150 175	177.8 193.7	-	-	150 150 150	18 24 30	174 180 188	150 150	15 25	177 177
200	198 - 228	10900820	200 225	200 225	200 225	200	222	200	219.1	200	220	200 200 200	6 12 18	220 222 228	-	-	-
225	217 - 257	10900822	225 250	225 250	225 250	200	222	225	244.5	200	220	200 200 200 200 200	6 12 18 24 30	220 222 228 238 250	200 200 200	15 20 25	232 232 240
250	245 - 285	10900824	250 280	250 280	250 280	250	274	250	273	250	272	200 250 250 250	30 6 12 18	250 272 276 282	225 225 225	15 20 25	259 259 268
300	300 - 340	10900826	315	315	315	300	326	300	323.9	300	324	250 300 300 300	30 6 12 18	306 324 330 338	300	15	334
350	340 - 380	10900828	355	355	355	350	378	350	355.6	350	376	300 300 350	24 30 6	352 366 376	300 300	20 25	345 356
400	390 - 430	10900830	400	400	400	400	429	400	406.4	400	427	350 350 350 400	18 24 30 6	396 410 426 428	350 350 350	15 20 25	392 405 419

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