

- 1 Double-lip sealing system
- 2 Standard strip insert
- 3 Conically stamped anchoring ring
- 4 Flame protection housing

The fire resistant coupling

NORMACONNECT® GRIP E-FP pipe couplings with integrated flame protection are used with applications in the marine sector (civil and military) as well as in sprinkler systems. For this purpose the GRIP E type has been equipped with an additional housing made from stainless steel

plus a fire-resistant lining which can resist temperatures of up to 850°C. The pipe coupling meets the newest VdS directives, IACS P2.11 and ISO 19921/22. Pressures and dimensions on request.

Advantages at a glance

- Dampens absorbing vibrations, pressure surges
- Weight saving
- Tension free
- Ready to install



Information

- Sizes: 40.0 mm - 406.0 mm
- Working pressure: 16.0 - 6.0 bar
- Material: AISI 304, AISI 316 Ti
- EPDM:
 - Sizes from 26.9 mm up to 168.3 mm: - 30 °C up to + 125 °C
 - Sizes > 180.0 mm: from - 20 °C up to + 80 °C
- NBR: from - 20 °C up to + 80 °C

Materials

W1	W2	W3	W4	W5
				x

Technical data & Ordering information

NORMACONNECT® FGR GRIP E-FP														
Ø (O.D.)	Designation	Clamping ranges	PN ¹ (MAWP ¹ from diame- ter 180)	WP ²	C max	Dimensions			Weight approx. (kg/pc.)	Hex socket locking bolts		W5 Product No.		
			 [bar]			 [bar]	a (mm)	d (mm)		H (mm)	Thread	Tightening torque (Nm)	NBR	EPDM
26.9	GRIP E FP 26.9	26.4 - 27.5	16	70	3	67	60	110	0.42	M 8 SW 6	10	0579 8670 026	0579 9370 026	1.0 mm
28.0	GRIP E FP 28.0	27.5 - 28.5	16	70	3	67	60	110	0.42	M 8 SW 6	10	0579 8670 028	0579 9370 028	1.0 mm
30.0	GRIP E FP 30.0	29.5 - 30.6	16	70	3	67	60	110	0.42	M 8 SW 6	10	0579 8670 030	0579 9370 030	1.0 mm
33.7*	GRIP E FP 33.7	33.0 - 34.3	16	60	3	67	65	115	0.43	M 8 SW 6	10	0579 8670 033	0579 9370 033	1.0 mm
35.0	GRIP E FP 35.0	34.5 - 35.6	16	60	8	75	65	115	0.58	M 8 SW 6	15	0579 8670 035	0579 9370 035	1.2 mm
38.0	GRIP E FP 38.0	37.5 - 38.6	16	60	8	75	70	120	0.58	M 8 SW 6	15	0579 8670 038	0579 9370 038	1.2 mm
42.4*	GRIP E FP 42.4	41.7 - 43.0	16	50	8	75	75	125	0.59	M 8 SW 6	15	0579 8670 042	0579 9370 042	1.2 mm
44.5	GRIP E FP 44.5	44.0 - 45.1	16	50	8	75	75	125	0.60	M 8 SW 6	15	0579 8670 044	0579 9370 044	1.2 mm
48.3*	GRIP E FP 48.3	47.6 - 50.5	16	50	8	75	80	130	0.61	M 8 SW 6	15	0579 8670 048	0579 9370 048	1.2 mm
54.0	GRIP E FP 54.0	53.3 - 54.6	16	50	17	90	85	135	0.92	M 8 SW 6	15	0579 8670 054	0579 9370 054	1.2 mm
57.0	GRIP E FP 57.0	56.3 - 57.7	16	50	17	90	90	140	0.93	M 8 SW 6	20	0579 8670 057	0579 9370 057	1.2 mm
60.3*	GRIP E FP 60.3	59.5 - 61.0	16	40	17	90	95	145	0.94	M 8 SW 6	20	0579 8670 060	0579 9370 060	1.2 mm
73.0	GRIP E FP 73.0	72.1 - 73.8	16	40	17	90	95	145	0.94	M 10 SW 8	30	0579 8670 073	0579 9370 073	1.5 mm
76.1*	GRIP E FP 76.1	75.2 - 77.0	16	35	25	110	105	155	1.49	M 10 SW 8	30	0579 8670 076	0579 9370 076	1.5 mm
84.0	GRIP E FP 84.0	83.0 - 85.0	16	35	25	110	110	160	1.49	M 10 SW 8	30	0579 8670 084	0579 9370 084	1.5 mm
88.9*	GRIP E FP 88.9	87.0 - 89.9	16	35	25	110	115	165	1.56	M 10 SW 8	30	0579 8670 088	0579 9370 088	1.5 mm
101.6	GRIP E FP 101.6	100.4 - 102.8	16	35	25	110	120	170	1.59	M 10 SW 8	30	0579 8670 101	0579 9370 101	1.5 mm
104.0	GRIP E FP 104.0	102.8 - 106.1	16	35	25	110	135	185	1.75	M 10 SW 8	30	0579 8670 104	0579 9370 104	1.5 mm
108.0	GRIP E FP 108.0	106.8 - 109.2	16	35	25	110	135	185	1.76	M 10 SW 8	30	0579 8670 108	0579 9370 108	1.5 mm
110.0	GRIP E FP 110.0	108.8 - 111.4	16	35	25	110	140	190	1.79	M 10 SW 8	30	0579 8670 110	0579 9370 110	1.5 mm
114.3*	GRIP E FP 114.3	113.0 - 115.5	16	35	25	110	145	195	1.89	M 10 SW 8	40	0579 8670 114	0579 9370 114	1.5 mm
129.0	GRIP E FP 129.0	127.6 - 131.1	16	32	35	125	165	215	3.25	M 12 SW 10	50	0579 8670 129	0579 9370 129	2.5 mm
133.0	GRIP E FP 133.0	131.5 - 134.4	16	32	35	125	170	220	3.36	M 12 SW 10	50	0579 8670 133	0579 9370 133	2.5 mm
139.7*	GRIP E FP 139.7	138.1 - 141.6	16	32	35	125	175	225	3.48	M 12 SW 10	50	0579 8670 139	0579 9370 139	2.5 mm
141.3	GRIP E FP 141.3	139.6 - 142.8	16	32	35	125	180	230	3.48	M 12 SW 10	50	0579 8670 141	0579 9370 141	2.5 mm
154.0	GRIP E FP 154.0	152.3 - 156.1	16	32	35	125	190	240	3.63	M 12 SW 10	60	0579 8670 154	0579 9370 154	2.5 mm
159.0	GRIP E FP 159.0	157.3 - 160.7	16	32	35	125	195	245	3.75	M 12 SW 10	60	0579 8670 159	0579 9370 159	2.5 mm
168.3	GRIP E FP 168.3	166.5 - 170.1	16	32	35	125	205	255	3.83	M 12 SW 10	60	0579 8670 168	0579 9370 168	2.5 mm
193.7	GRIP E FP 193.7	192.0 - 196.0	10	20	35	125	235	285	6.9	M 16 SW 14	100	0579 8670 193	0579 9370 193	2.5 mm
206.0	GRIP E FP 206.0	202.0 - 208.0	10	20	35	125	250	300	7.2	M 16 SW 14	100	0579 8670 206	0579 9370 206	2.5 mm
219.1	GRIP E FP 219.1	216.0 - 221.0	10	20	35	125	260	310	7.4	M 16 SW 14	100	0574 8670 219	0574 8370 219	3.0 mm
225.0	GRIP E FP 225.0	222.0 - 227.0	10	16	35	155	265	315	7.0	M 16 SW 14	100	0579 8670 225	0579 9370 225	3.0 mm
229.9	GRIP E FP 229.9	228.0 - 232.0	5.5	16	35	155	270	320	7.0	M 16 SW 14	100	0579 8670 229	0579 9370 229	3.0 mm
244.5	GRIP E FP 244.5	242.0 - 247.0	5.5	15	35	155	285	335	7.3	M 16 SW 14	100	0579 8670 244	0579 9370 244	3.0 mm
254.5	GRIP E FP 254.5	250.0 - 256.0	5.5	14	35	155	285	335	7.5	M 16 SW 14	100	0579 8670 254	0579 9370 254	3.0 mm
267.0	GRIP E FP 267.0	264.0 - 269.0	5.5	13.5	35	155	310	360	7.7	M 16 SW 14	100	0579 8670 267	0579 9370 267	3.0 mm
273.0	GRIP E FP 273.0	270.0 - 275.0	5.5	13	35	155	315	365	7.8	M 16 SW 14	100	0579 8670 273	0579 9370 273	3.0 mm
306.0	GRIP E FP 306.0	302.0 - 308.0	5.5	10.5	35	155	350	400	8.4	M 16 SW 14	120	0579 8670 306	0579 9370 306	3.0 mm
323.9	GRIP E FP 323.9	320.0 - 327.0	3	9.5	35	155	365	415	8.7	M 16 SW 14	120	0579 8670 323	0579 9370 323	3.0 mm
326.0	GRIP E FP 326.0	322.0 - 329.0	3	9.5	35	155	370	420	8.8	M 16 SW 14	120	0579 8670 326	0579 9370 326	3.0 mm
355.6	GRIP E FP 355.6	352.0 - 359.0	2.7	8.5	35	155	400	450	9.3	M 16 SW 14	120	0579 8670 355	0579 9370 355	3.0 mm
406.4	GRIP E FP 406.4	402.0 - 410.0	2.5	7.0	35	155	450	500	10.2	M 16 SW 14	120	0579 8670 406	0579 9370 406	3.0 mm
419.0	GRIP E FP 419.0	415.0 - 422.0	2.5	6.5	35	155	460	510	10.4	M 16 SW 14	180	0579 8670 419	0579 9370 419	3.0 mm

PN¹ (Nominal Pressure) is the max. admissible working pressure in shipbuilding, based on a safety factor of ≥ 4.

MAWP¹ (Maximum Allowable Working Pressure) is the max. admissible working pressure in shipbuilding, based on a safety factor of ≥ 4.

WP² is the max. working pressure in industrial applications, with a safety factor as per NORMA specification.

*VdS approved

... = Ø without decimals in mm