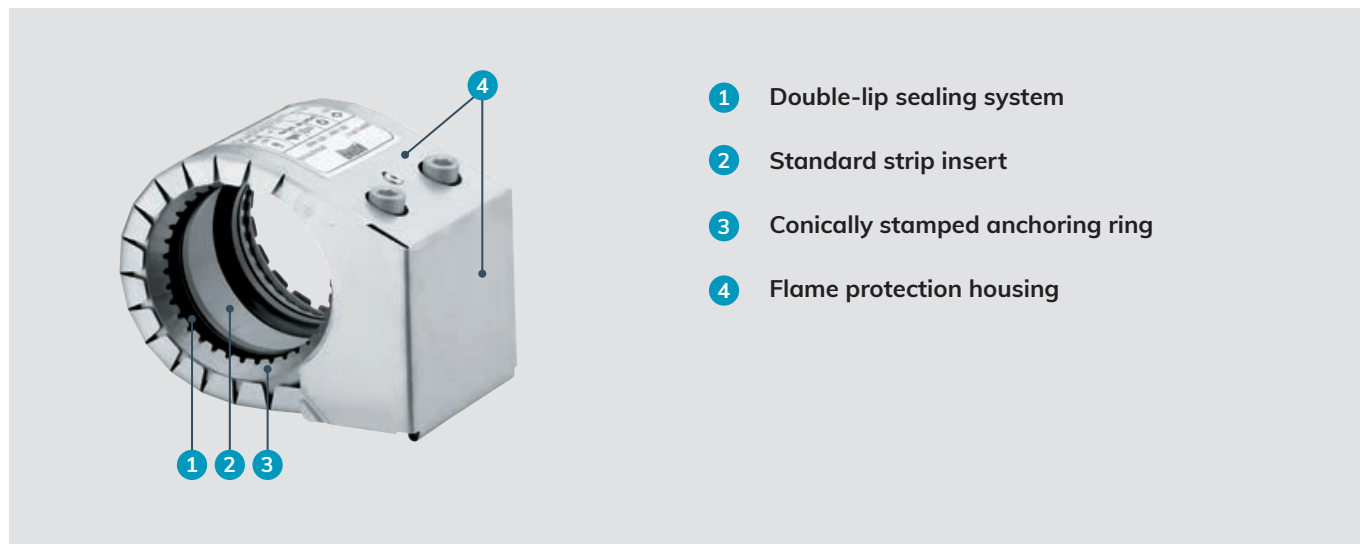


FGR GRIP E-FP (FLAME PROTECTED)



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

The fire resistant coupling

NORMA CONNECT® 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 850 °C and upwards.

Advantages at a glance

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

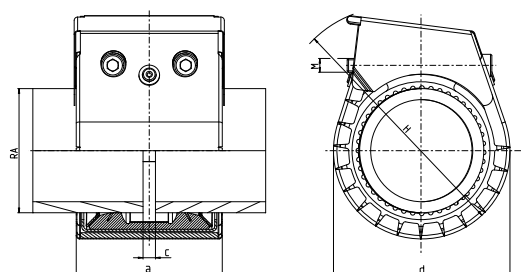
Information

- Sizes: 26.9 mm – 219.1 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



Technical data & Ordering information

NORMACONNECT® FGR GRIP E-FP													
Ø (O.D.)	Designation	Clamping ranges	PN ¹ (MAWP ¹ from dia- meter 180)	WP ¹	C max	Dimensions (approx.)			Weight (approx.)	Hex socket locking bolts		W5 Product No.	
		Odmin - Odmax (mm)	 [bar]	 [bar]	(mm)	a (mm)	d (mm)	H (mm)	(kg/pc.)	Thread	Tightening torque (Nm)	EPDM	NBR
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 9370 026	0579 8670 026
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 9370 028	0579 8670 028
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 9370 030	0579 8670 030
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 9370 033	0579 8670 033
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 9370 035	0579 8670 035
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 9370 038	0579 8670 038
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 9370 042	0579 8670 042
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 9370 044	0579 8670 044
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 9370 048	0579 8670 048
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 9370 054	0579 8670 054
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 9370 057	0579 8670 057
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 9370 060	0579 8670 060
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 9370 073	0579 8670 073
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 9370 076	0579 8670 076
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 9370 084	0579 8670 084
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 9370 088	0579 8670 088
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 9370 101	0579 8670 101
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 9370 104	0579 8670 104
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 9370 108	0579 8670 108
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 9370 110	0579 8670 110
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 9370 114	0579 8670 114
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 9370 129	0579 8670 129
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 9370 133	0579 8670 133
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 9370 139	0579 8670 139
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 9370 141	0579 8670 141
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 9370 154	0579 8670 154
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 9370 159	0579 8670 159
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 9370 168	0579 8670 168
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 9370 193	0579 8670 193
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 9370 206	0579 8670 206
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 8370 219	0574 8670 219

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.

Bigger dimensions available on request.