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**SPECS &  
INFORMATION**



- 1 Double-lip sealing system
- 2 Standard strip insert
- 3 Lock bars
- 4 Protection ring

**NEW!**  
Now also available with FKM sealing sleeve

**NORMACONNECT®**

**NEW**

## The protective pipe coupling

NORMACONNECT® FLEX /FLEX E are axial non-restraint couplings. They are used for connecting metal pipes, stainless pipes, as well as concrete and plastic pipes. Sealing reliability is ensured even when NORMACONNECT® FLEX /FLEX E pipe couplings are mounted on pipes with or without a gap and also on compensated pipes.



### Advantages at a glance

- Compensates for thermal elongation of the pipes
- Joining all kind of pipe materials is possible, e.g., for steel, plastic, cast iron, etc.

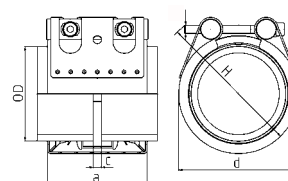
### Information

- Sizes: 26.9 mm - 1219.1 mm
- Working pressure: 70.0 - 4.0 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: - 20 °C up to + 80 °C
- NBR: from - 20 °C up to + 80 °C
- FKM: -10 °C to + 150 °C (Higher temperatures possible in some cases.)

### Materials

W1	W2	W3	W4	W5
	x		x	x

### Technical data & Ordering information





**NORMACONNECT® FLEX E** an axial non-restraint coupling. It is used for connecting metal pipes, stainless pipes, as well as concrete and plastic pipes. This is a hollow trunnions version.

**Material**  
W2, W4, W5

NORMACONNECT® FGR FLEX E											
Ø (O.D.)	Designation	Clamping ranges Odmin - Odmax	PN <sup>1</sup> (MAWP <sup>1</sup> from Ø 180)	WP <sup>2</sup>	C max (mm)	Dimensions (approx.)			Weight (approx.) (kg/pc.)	Hex socket locking bolts	
						a (mm)	d (mm)	H (mm)		Thread	Tightening torque (Nm)
26.9	FLEX E 26.9	26.4-27.5	16	70	3	67	50	70	0.31	M 8 SW 6	5
28.0	FLEX E 28.0	27.5-28.5	16	70	3	67	50	70	0.31	M 8 SW 6	5
30.0	FLEX E 30.0	29.5-30.6	16	70	3	67	50	70	0.31	M 8 SW 6	5
33.7	FLEX E 33.7	33.0-34.3	16	60	3	67	55	75	0.32	M 8 SW 6	5
35.0	FLEX E 35.0	34.5-35.6	16	60	8	63	55	75	0.43	M 8 SW 6	5
38.0	FLEX E 38.0	37.5-38.6	16	60	8	63	60	80	0.43	M 8 SW 6	5
42.4	FLEX E 42.4	41.7-43.0	16	50	8	63	65	85	0.44	M 8 SW 6	5
44.5	FLEX E 44.5	44.0-45.1	16	50	8	63	65	85	0.45	M 8 SW 6	5
48.3	FLEX E 48.3	47.6-50.5	16	50	8	63	70	90	0.46	M 8 SW 6	5
54.0	FLEX E 54.0	53.3-54.6	16	50	17	78	75	95	0.60	M 8 SW 6	10
57.0	FLEX E 57.0	56.3-57.7	16	50	17	78	80	100	0.61	M 8 SW 6	10
60.3	FLEX E 60.3	59.5-61.0	16	40	17	78	85	105	0.62	M 8 SW 6	10
63.0	FLEX E 63.0	62.2-63.9	16	40	17	78	85	105	0.62	M 8 SW 6	10
70.0	FLEX E 70.0	69.0-71.0	16	40	25	98	90	110	1.16	M 8 SW 6	10
73.0	FLEX E 73.0	72.1-73.8	16	40	25	98	95	115	1.18	M 8 SW 6	10
76.1	FLEX E 76.1	75.2-77.0	16	35	25	98	100	120	1.18	M 8 SW 6	10
80.0	FLEX E 80.0	79.0-80.8	16	35	25	98	100	120	1.21	M 8 SW 6	10
84.0	FLEX E 84.0	83.0-85.0	16	35	25	98	105	125	1.24	M 8 SW 6	10
88.9	FLEX E 88.9	87.0-89.9	16	35	25	98	110	130	1.26	M 8 SW 6	10
101.6	FLEX E 101.6	100.4-102.8	16	35	25	98	125	145	1.39	M 8 SW 6	10
104.0	FLEX E 104.0	102.8-106.1	16	35	25	98	125	145	1.40	M 8 SW 6	10
108.0	FLEX E 108.0	106.8-109.2	16	35	25	98	130	150	1.42	M 8 SW 6	10
110.0	FLEX E 110.0	108.8-111.4	16	35	25	98	130	150	1.47	M 8 SW 6	10
114.3	FLEX E 114.3	113.0-115.5	16	35	25	98	135	155	1.47	M 8 SW 6	15
129.0	FLEX E 129.0	127.6-131.1	16	32	35	113	155	185	2.10	M 10 SW 8	20
133.0	FLEX E 133.0	131.5-134.4	16	32	35	113	160	190	2.13	M 10 SW 8	20
139.7	FLEX E 139.7	138.1-141.6	16	32	35	113	165	195	2.19	M 10 SW 8	25
141.3	FLEX E 141.3	139.6-142.8	16	32	35	113	170	200	2.19	M 10 SW 8	25
154.0	FLEX E 154.0	152.3-156.1	16	32	35	113	180	210	2.31	M 10 SW 8	30
159.0	FLEX E 159.0	157.3-160.7	16	32	35	113	185	215	2.38	M 10 SW 8	30
168.3	FLEX E 168.3	166.5 - 170.1	16	32	35	113	195	225	2.43	M 10 SW 8	30
180.0	FLEX E 180.0	178.0 - 182.0	13.5	30.0	35	139	210	240	4.0	M 12 SW 10	25
193.7	FLEX E 193.7	192.0 - 196.0	13.5	28.0	35	139	225	255	4.1	M 12 SW 10	25
206.0	FLEX E 206.0	202.0 - 208.0	13.5	26.5	35	139	240	270	4.3	M 12 SW 10	25
219.0	FLEX E 219.0	216.0 - 221.0	13.5	23.0	35	139	250	280	4.4	M 12 SW 10	25
225.0	FLEX E 225.0	222.0 - 227.0	12.0	23.0	35	139	255	285	4.5	M 12 SW 10	25
229.9	FLEX E 229.9	228.0 - 232.0	12.0	23.0	35	139	260	290	4.5	M 12 SW 10	25
244.5	FLEX E 244.5	242.0 - 247.0	12.0	22.0	35	139	275	305	4.7	M 12 SW 10	25
254.0	FLEX E 254.0	250.0 - 256.0	12.0	21.0	35	139	285	315	4.8	M 12 SW 10	25
267.0	FLEX E 267.0	264.0 - 269.0	12.0	20.0	35	139	300	330	5.0	M 12 SW 10	25
273.0	FLEX E 273.0	270.0 - 275.0	12.0	20.0	35	139	305	335	5.1	M 12 SW 10	25
306.0	FLEX E 306.0	302.0 - 308.0	9.0	17.5	35	139	340	370	5.5	M 12 SW 10	25
323.9	FLEX E 323.9	320.0 - 327.0	9.0	17.5	35	139	355	385	5.7	M 12 SW 10	25
326.0	FLEX E 326.0	322.0 - 329.0	9.0	16.5	35	139	360	390	5.7	M 12 SW 10	25
355.6	FLEX E 355.6	352.0 - 359.0	9.0	15.0	35	139	390	420	6.0	M 12 SW 10	25
406.4	FLEX E 406.4	402.0 - 410.0	7.5	14.0	35	139	440	470	6.7	M 12 SW 10	25
429.0	FLEX E 429.0	426.0 - 431.0	5.5	13.0	35	139	460	490	6.9	M 12 SW 10	40
442.0	FLEX E 442.0	439.0 - 444.0	5.5	13.0	35	139	475	505	7.1	M 12 SW 10	40
457.2	FLEX E 457.2	454.0 - 459.0	5.5	12.0	35	139	490	520	7.3	M 12 SW 10	40
508.0	FLEX E 508.0	505.0 - 510.0	5.5	11.0	35	139	540	570	7.9	M 12 SW 10	40
531.0	FLEX E 531.0	528.0 - 534.0	5.5	10.5	35	139	565	595	8.1	M 12 SW 10	40
558.8	FLEX E 558.8	556.0 - 562.0	5.5	10.0	35	139	590	620	8.5	M 12 SW 10	40
609.6	FLEX E 609.6	606.0 - 613.0	4.5	9.0	35	139	640	670	9.1	M 12 SW 10	40
634.0	FLEX E 634.0	631.0 - 637.0	4.5	8.0	35	139	665	695	9.4	M 12 SW 10	40
711.2	FLEX E 711.2	707.0 - 715.0	4.0	7.0	35	139	745	775	10.3	M 12 SW 10	40
762.0	FLEX E 762.0	758.0 - 766.0	3.2	7.0	35	139	795	885	10.9	M 12 SW 10	40
812.8	FLEX E 812.8	808.0 - 817.0	3.2	6.5	35	139	845	935	12.8	M 12 SW 10	40
914.4	FLEX E 914.4	909.0 - 919.0	2.0	5.5	35	139	945	1035	14.0	M 12 SW 10	45
1016.0	FLEX E 1016.0	1013.0 - 1019.0	2.0	5.0	35	139	1050	1140	15.2	M 12 SW 10	45
1117.5	FLEX E 1117.5	1114.0 - 1120.0	2.0	4.5	35	139	1150	1240	16.4	M 12 SW 10	50
1219.2	FLEX E 1219.2	1216.0 - 1222.0	2.0	4.0	35	139	1250	1340	17.7	M 12 SW 10	50

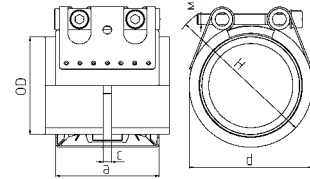
Coupling sizes >800 mm are in 2-parts design! Sizes > 1219.2 on request

PN<sup>1</sup> (Nominal Pressure) is the max. admissible working pressure in shipbuilding, based on a safety factor of ≥ 4.

MAWP<sup>1</sup> (Maximum Allowable Working Pressure) is the max. admissible working pressure in shipbuilding, based on a safety factor of ≥ 4.

WP<sup>2</sup> is the max. working pressure in industrial applications, with a safety factor as per NORMA specification.

### Technical data & Ordering information



NORMACONNECT® FGR FLEX E							
Ø (O.D.)	Designation	W2 Product No.		W4 Product No.		W5 Product No.	
		EPDM	NBR	EPDM	NBR	EPDM	NBR
26.9	FLEX E 26.9	0582 9100 026	0582 8400 026	0582 9200 026	0582 8500 026	0582 9300 026	0582 8600 026
28.0	FLEX E 28.0	0582 9100 028	0582 8400 028	0582 9200 028	0582 8500 028	0582 9300 028	0582 8600 028
30.0	FLEX E 30.0	0582 9100 030	0582 8400 030	0582 9200 030	0582 8500 030	0582 9300 030	0582 8600 030
33.7	FLEX E 33.7	0582 9100 033	0582 8400 033	0582 9200 033	0582 8500 033	0582 9300 033	0582 8600 033
35.0	FLEX E 35.0	0582 9100 035	0582 8400 035	0582 9200 035	0582 8500 035	0582 9300 035	0582 8600 035
38.0	FLEX E 38.0	0582 9100 038	0582 8400 038	0582 9200 038	0582 8500 038	0582 9300 038	0582 8600 038
42.4	FLEX E 42.4	0582 9100 042	0582 8400 042	0582 9200 042	0582 8500 042	0582 9300 042	0582 8600 042
44.5	FLEX E 44.5	0582 9100 044	0582 8400 044	0582 9200 044	0582 8500 044	0582 9300 044	0582 8600 044
48.3	FLEX E 48.3	0582 9100 048	0582 8400 048	0582 9200 048	0582 8500 048	0582 9300 048	0582 8600 048
54.0	FLEX E 54.0	0582 9100 054	0582 8400 054	0582 9200 054	0582 8500 054	0582 9300 054	0582 8600 054
57.0	FLEX E 57.0	0582 9100 057	0582 8400 057	0582 9200 057	0582 8500 057	0582 9300 057	0582 8600 057
60.3	FLEX E 60.3	0582 9100 060	0582 8400 060	0582 9200 060	0582 8500 060	0582 9300 060	0582 8600 060
63.0	FLEX E 63.0	0582 9100 063	0582 8400 063	0582 9200 063	0582 8500 063	0582 9300 063	0582 8600 063
70.0	FLEX E 70.0	0582 9100 070	0582 8400 070	0582 9200 070	0582 8500 070	0582 9300 070	0582 8600 070
73.0	FLEX E 73.0	0582 9100 073	0582 8400 073	0582 9200 073	0582 8500 073	0582 9300 073	0582 8600 073
76.1	FLEX E 76.1	0582 9100 076	0582 8400 076	0582 9200 076	0582 8500 076	0582 9300 076	0582 8600 076
80.0	FLEX E 80.0	0582 9100 080	0582 8400 080	0582 9200 080	0582 8500 080	0582 9300 080	0582 8600 080
84.0	FLEX E 84.0	0582 9100 084	0582 8400 084	0582 9200 084	0582 8500 084	0582 9300 084	0582 8600 084
88.9	FLEX E 88.9	0582 9100 088	0582 8400 088	0582 9200 088	0582 8500 088	0582 9300 088	0582 8600 088
101.6	FLEX E 101.6	0582 9100 101	0582 8400 101	0582 9200 101	0582 8500 101	0582 9300 101	0582 8600 101
104.0	FLEX E 104.0	0582 9100 104	0582 8400 104	0582 9200 104	0582 8500 104	0582 9300 104	0582 8600 104
108.0	FLEX E 108.0	0582 9100 108	0582 8400 108	0582 9200 108	0582 8500 108	0582 9300 108	0582 8600 108
110.0	FLEX E 110.0	0582 9100 110	0582 8400 110	0582 9200 110	0582 8500 110	0582 9300 110	0582 8600 110
114.3	FLEX E 114.3	0582 9100 114	0582 8400 114	0582 9200 114	0582 8500 114	0582 9300 114	0582 8600 114
129.0	FLEX E 129.0	0582 9100 129	0582 8400 129	0582 9200 129	0582 8500 129	0582 9300 129	0582 8600 129
133.0	FLEX E 133.0	0582 9100 133	0582 8400 133	0582 9200 133	0582 8500 133	0582 9300 133	0582 8600 133
139.7	FLEX E 139.7	0582 9100 139	0582 8400 139	0582 9200 139	0582 8500 139	0582 9300 139	0582 8600 139
141.3	FLEX E 141.3	0582 9100 141	0582 8400 141	0582 9200 141	0582 8500 141	0582 9300 141	0582 8600 141
154.0	FLEX E 154.0	0582 9100 154	0582 8400 154	0582 9200 154	0582 8500 154	0582 9300 154	0582 8600 154
159.0	FLEX E 159.0	0582 9100 159	0582 8400 159	0582 9200 159	0582 8500 159	0582 9300 159	0582 8600 159
168.3	FLEX E 168.3	0582 9100 168	0582 8400 168	0582 9200 168	0582 8500 168	0582 9300 168	0582 8600 168
180.0	FLEX E 180.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
193.7	FLEX E 193.7	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
206.0	FLEX E 206.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
219.0	FLEX E 219.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
225.0	FLEX E 225.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
229.9	FLEX E 229.9	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
244.5	FLEX E 244.5	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
254.0	FLEX E 254.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
267.0	FLEX E 267.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
273.0	FLEX E 273.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
306.0	FLEX E 306.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
323.9	FLEX E 323.9	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
326.0	FLEX E 326.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
355.6	FLEX E 355.6	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
406.4	FLEX E 406.4	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
429.0	FLEX E 429.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
442.0	FLEX E 442.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
457.2	FLEX E 457.2	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
508.0	FLEX E 508.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
531.0	FLEX E 531.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
558.8	FLEX E 558.8	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
609.6	FLEX E 609.6	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
634.0	FLEX E 634.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
711.2	FLEX E 711.2	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
762.0	FLEX E 762.0	0583 8120 ...	0583 8420 ...	0583 8220 ...	0583 8520 ...	0583 8320 ...	0583 8620 ...
812.8	FLEX E 812.8	0583 8128 ...	0583 8428 ...	0583 8228 ...	0583 8528 ...	0583 8328 ...	0583 8628 ...
914.4	FLEX E 914.4	0583 8128 ...	0583 8428 ...	0583 8228 ...	0583 8528 ...	0583 8328 ...	0583 8628 ...
1016.0	FLEX E 1016.0	0583 8128 ...	0583 8428 ...	0583 8228 ...	0583 8528 ...	0583 8328 ...	0583 8628 ...
1117.5	FLEX E 1117.5	0583 8128 ...	0583 8428 ...	0583 8228 ...	0583 8528 ...	0583 8328 ...	0583 8628 ...
1219.2	FLEX E 1219.2	0583 8128 ...	0583 8428 ...	0583 8228 ...	0583 8528 ...	0583 8328 ...	0583 8628 ...

... = Ø without decimals in mm



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