

STANDARD

Flange hose couplings are used to connect rubber, pvc and thermoplastic hoses.

OPERATION

A flange coupling is fitted to a rubber, pvc or thermoplastic hose using a hose shank coupling, which is inserted into the hose. The hose shank may be smooth in compliance with EN 14420-2 / DIN 2817, or serrated with collar.

1. Flange couplings with smooth hose shanks complying with EN 14420-2 / DIN 2817 are developed to comply with EN 14420-4, which makes them suitable for assembly using RK safety clamps complying with EN 14220-3 / DIN 2817 or FLEXOLINE® safety clamps for thin wall hoses.
2. Serrated hose shanks with collars are recommended for assembly using HRRK swage ferrules, worm drive, band or bolt clamps.

The hose shank can be assembled with a fixed or swivel flange. A flange-to-hose connection should preferably be fitted with at least one swivel flange. During assembly, the connection with the fixed flange is fitted to the piping system first, followed by the swivel flange. The swivel flange prevents twisting of the hose during assembly.

APPLICATION

To connect rubber, pvc and thermoplastic hoses.

WORKING PRESSURE

DIN FLANGES	ANSI FLANGES
PN 10/16 standard	150 lbs
PN 25	300 lbs
PN 40	600 lbs

TEMPERATURE

-20°C / -40°F up to 65°C / 149°F

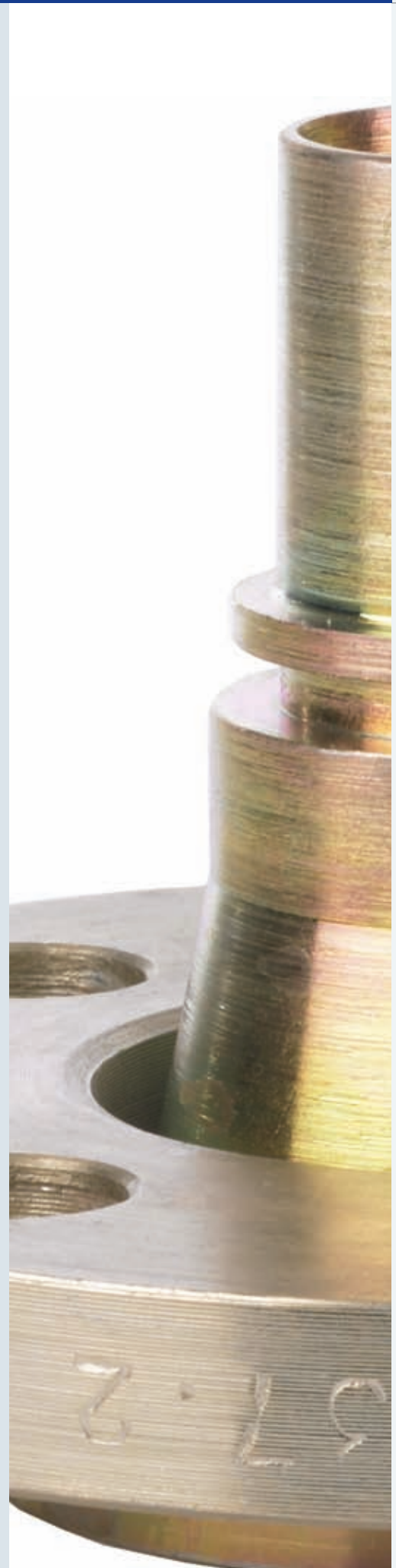
Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature.

MATERIAL

- Swivel flange coupling

HOSE SHANK	FLANGE
Galvanized steel	Galvanized steel
Stainless steel AISI 316 / EN 1.4401	Stainless steel AISI 316 / EN 1.4401
Polypropylene	Galvanized steel
Stainless steel AISI 316 / EN 1.4401	Galvanized steel

LMC' steel and stainless steel hose shanks consist of a monoblock version.



■ Swivel flange coupling

Galvanized steel

Stainless steel AISI 316 / EN 1.4401

Polypropylene available on request

■ Flange gasket

- novatec® PREMIUM II, RF for flanges complying with EN / DIN / ANSI
- GORE™ Universal Pipe Seal (UPG) Style 800, RF for flanges complying with EN / DIN / ANSI

Raised-face flange gaskets are used in applications where the gasket is seated directly on the contact face of the flange, between the flange holes.

- GORE™ Universal Pipe Seal (UPG) Style 800 is 100% expanded PTFE. Their multidirectional fibre structure and unique (envelope) profile enables GORE™ UPG Style 800 gaskets to be used in a wide range of chemical industry applications.

Features:

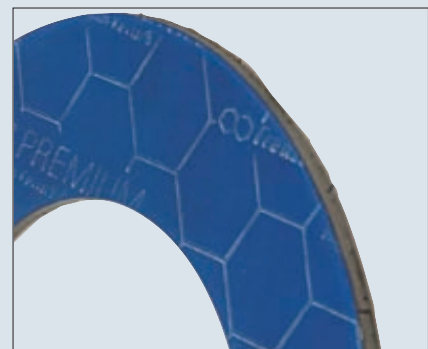
- chemically inert and temperature resistant
- seals at low bolt loadings
- high dimensional stability
- high resistance to creep and cold flow
- seals all types of standard piping
- resistant to all media in the 0-14 pH range, with the exception of alkalis and fluorine, particularly at high temperatures and pressures
- temperature range: -210°C / -346°F up to 260 °C / 500°F
- dimensions comply with DIN and ANSI



- novatec® PREMIUM II is a flange seal for general and chemical industry applications. The combination of graphite, paramide fibres (KEVLAR®) and low binder content, allows the flange gasket to be resistant to 80% of all common chemical industry media.

Features:

- good stress relief
- resistant to high temperatures
- good ductility
- non-stick coating
- excellent torque retention
- temperature : 320°C / 608°F
- resistant to a wide range of chemicals and steam applications
- dimensions comply with DIN and ANSI



novatec® PREMIUM II is a registered trademark of Frenzelit
 KEVLAR® is a registered trademark of Dupont Dow Elastomers
 GORE™ Universal Pipe Seal Style 800 is a registered trademark of W.L. Gore & Associates, Inc.

ASSEMBLY

RK safety clamps in compliance with EN 14420-3 / DIN 2817

FLEXOLINE® safety clamps

HRRK swage ferrules

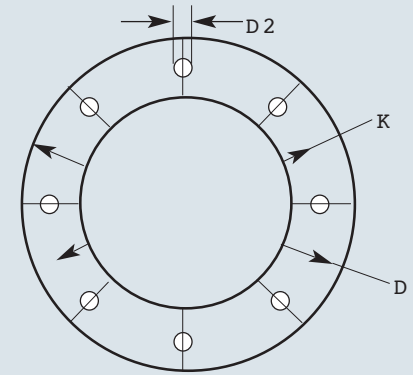
HRP swage ferrules

Worm drive, band or bolted clamps

FLANGE DIMENSIONS

DIN PN 6					
"	ND	D	K	N	D2
1/2"	15	80	55	4	11
3/4"	20	90	65	4	11
1"	25	100	75	4	11
1.1/4"	32	120	90	4	14
1.1/2"	40	130	100	4	14
2"	50	140	110	4	14
2.1/2"	65	160	130	4	14
3"	80	190	150	4	18
4"	100	210	170	4	18
5"	125	240	200	8	18
6"	150	265	225	8	18
8"	200	320	280	8	18
10"	250	375	335	12	18
12"	300	440	395	12	22

DIN PN 10					
ND	D	K	N	D2	
15	95	65	4	14	
20	105	75	4	14	
25	115	85	4	14	
32	140	100	4	18	
40	150	110	4	18	
50	165	125	4	18	
65	185	145	4/8	18	
80	200	160	8	18	
100	220	180	8	18	
125	250	210	8	18	
150	285	240	8	22	
200	340	295	8	22	
250	395	350	12	22	
300	445	400	12	22	



DIN PN 16					
"	ND	D	K	N	D2
1/2"	15	95	65	4	14
3/4"	20	105	75	4	14
1"	25	115	85	4	14
1.1/4"	32	140	100	4	18
1.1/2"	40	150	110	4	18
2"	50	165	125	4	18
2.1/2"	65	185	145	4	18
3"	80	200	160	8	18
4"	100	220	180	8	18
5"	125	250	210	8	18
6"	150	285	240	8	22
8"	200	340	295	12	22
10"	250	405	355	12	26
12"	300	460	410	12	26

DIN PN 25					
ND	D	K	N	D2	
15	95	65	4	14	
20	105	75	4	14	
25	115	85	4	14	
32	140	100	4	18	
40	150	110	4	18	
50	165	125	4	18	
65	185	145	8	18	
80	200	160	8	18	
100	235	190	8	22	
125	270	220	8	26	
150	300	250	8	26	
200	360	310	12	26	
250	425	370	12	30	
300	485	430	16	30	

DIN PN 40					
ND	D	K	N	D2	
15	95	65	4	14	
20	105	75	4	14	
25	115	85	4	14	
32	140	100	4	18	
40	150	110	4	18	
50	165	125	4	18	
65	185	145	8	18	
80	200	160	8	18	
100	235	190	8	22	
125	270	220	8	26	
150	300	250	8	26	
200	375	320	12	30	
250	450	385	12	33	
300	515	450	16	33	

ASA 150 lbs					
"	D	K	N	D2	
1/2"	88.9	60.3	4	15.9	
3/4"	98.4	69.8	4	15.9	
1"	107.9	79.4	4	15.9	
1.1/4"	117.5	88.9	4	15.9	
1.1/2"	127.0	98.4	4	15.9	
2"	152.4	120.6	4	19.0	
2.1/2"	177.8	139.7	4	19.0	
3"	190.5	152.4	4	19.0	
4"	228.6	190.5	8	19.0	
5"	254.0	215.9	8	22.2	
6"	279.4	241.3	8	22.2	
8"	342.9	298.4	8	22.2	
10"	406.4	361.9	12	25.4	
12"	482.6	431.8	12	25.4	

ASA 300 lbs					
"	D	K	N	D2	
1/2"	95.2	66.7	4	15.9	
3/4"	117.5	82.5	4	19.1	
1"	123.8	88.9	4	19.1	
1.1/4"	133.3	98.4	4	19.1	
1.1/2"	155.6	114.3	4	22.2	
2"	165.1	127.0	8	19.1	
2.1/2"	190.5	149.2	8	22.2	
3"	209.5	168.3	8	22.2	
4"	254.0	200.0	8	22.2	
5"	279.4	234.9	8	22.2	
6"	317.5	269.9	12	22.2	
8"	381.0	330.2	12	25.4	
10"	444.5	387.3	16	28.6	
12"	520.7	450.8	16	31.7	

ASA 600 lbs					
"	D	K	N	D2	
1/2"	95.2	66.7	4	15.9	
3/4"	117.5	82.5	4	19.1	
1"	123.8	88.9	4	19.1	
1.1/4"	133.3	98.4	4	19.1	
1.1/2"	155.6	114.3	4	22.2	
2"	165.1	127.0	8	19.1	
2.1/2"	190.5	149.2	8	22.2	
3"	209.5	168.3	8	22.2	
4"	273.0	184.1	8	25.4	
5"	330.2	266.7	8	28.6	
6"	355.6	292.1	12	28.6	
8"	419.1	349.2	12	31.7	
10"	508.0	431.8	16	34.9	
12"	558.8	488.9	20	34.9	

FLANGE COUPLINGS



SWIVEL FLANGE COUPLING WITH SMOOTH HOSE SHANK

ND	Inch	Flange pressure class	For hose mm	Material hose shank	Flange material	Weight/pc kg	Reference
15	1/2"	DIN PN 10/16	13	Steel	Steel	0.82	FLG013
20	3/4"	DIN PN 10/16	19	Steel	Steel	1.12	FLG019
25	1"	DIN PN 10/16	25	Steel	Steel	1.56	FLG025
32	1.1/4"	DIN PN 10/16	32	Steel	Steel	2.10	FLG032
38	1.1/2"	DIN PN 10/16	38	Steel	Steel	2.65	FLG038
40	1.1/2"	DIN PN 10/16	40	Steel	Steel	2.65	FLG040*
50	2"	DIN PN 10/16	50	Steel	Steel	3.22	FLG050
63	2.1/2"	DIN PN 10/16	63	Steel	Steel	4.45	FLG063
65	2.1/2"	DIN PN 10/16	65	Steel	Steel	4.45	FLG065*
75	3"	DIN PN 10/16	75	Steel	Steel	5.54	FLG075
80	3"	DIN PN 10/16	80	Steel	Steel	5.60	FLG080*
100	4"	DIN PN 10/16	100	Steel	Steel	6.73	FLG100
125	5"	DIN PN 10/16	125	Steel	Steel	9.61	FLG125
150	6"	DIN PN 10/16	150	Steel	Steel	12.34	FLG150
200	8"	DIN PN 10	200	Steel	Steel	18.55	FLG200PN10*
200	8"	DIN PN 16	200	Steel	Steel	18.00	FLG200PN16

15	1/2"	DIN PN 10/16	13	SS	SS	0.81	RRFLG013
20	3/4"	DIN PN 10/16	19	SS	SS	1.11	RRFLG019
25	1"	DIN PN 10/16	25	SS	SS	1.50	RRFLG025
32	1.1/4"	DIN PN 10/16	32	SS	SS	2.19	RRFLG032
38	1.1/2"	DIN PN 10/16	38	SS	SS	2.68	RRFLG038
40	1.1/2"	DIN PN 10/16	40	SS	SS	2.68	RRFLG040*
50	2"	DIN PN 10/16	50	SS	SS	3.58	RRFLG050
63	2.1/2"	DIN PN 10/16	63	SS	SS	4.18	RRFLG063
65	2.1/2"	DIN PN 10/16	65	SS	SS	4.45	RRFLG065*
75	3"	DIN PN 10/16	75	SS	SS	5.43	RRFLG075
80	3"	DIN PN 10/16	80	SS	SS	5.54	RRFLG080*
100	4"	DIN PN 10/16	100	SS	SS	6.89	RRFLG100
125	5"	DIN PN 10/16	125	SS	SS	9.13	RRFLG125
150	6"	DIN PN 10/16	150	SS	SS	12.44	RRFLG150

15	1/2"	DIN PN 10/16	13	PP	Steel	0.66	PSFLG013
20	3/4"	DIN PN 10/16	19	PP	Steel	0.81	PSFLG019
25	1"	DIN PN 10/16	25	PP	Steel	1.07	PSFLG025
32	1.1/4"	DIN PN 10/16	32	PP	Steel	1.41	PSFLG032
38	1.1/2"	DIN PN 10/16	38	PP	Steel	1.85	PSFLG038
40	1.1/2"	DIN PN 10/16	40	PP	Steel	1.85	PSFLG040*
50	2"	DIN PN 10/16	50	PP	Steel	2.00	PSFLG050
63	2.1/2"	DIN PN 10/16	63	PP	Steel	2.69	PSFLG063
65	2.1/2"	DIN PN 10/16	65	PP	Steel	2.8	PSFLG065*
75	3"	DIN PN 10/16	75	PP	Steel	3.52	PSFLG075
80	3"	DIN PN 10/16	80	PP	Steel	3.52	PSFLG080*
100	4"	DIN PN 10/16	100	PP	Steel	4.00	PSFLG100

15	1/2"	DIN PN 10/16	13	SS	Steel	0.81	RSFLG013
20	3/4"	DIN PN 10/16	19	SS	Steel	1.11	RSFLG019
25	1"	DIN PN 10/16	25	SS	Steel	1.49	RSFLG025
32	1.1/4"	DIN PN 10/16	32	SS	Steel	2.16	RSFLG032
38	1.1/2"	DIN PN 10/16	38	SS	Steel	2.70	RSFLG038
40	1.1/2"	DIN PN 10/16	40	SS	Steel	2.70	RSFLG040*
50	2"	DIN PN 10/16	50	SS	Steel	3.26	RSFLG050
63	2.1/2"	DIN PN 10/16	63	SS	Steel	4.28	RSFLG063
65	2.1/2"	DIN PN 10/16	65	SS	Steel	4.28	RSFLG065*
75	3"	DIN PN 10/16	75	SS	Steel	5.52	RSFLG075
80	3"	DIN PN 10/16	80	SS	Steel	5.52	RSFLG080*
100	4"	DIN PN 10/16	100	SS	Steel	7.01	RSFLG100
150	6"	DIN PN 10/16	150	SS	Steel	12.49	RSFLG150

* available on request



FLANGE COUPLINGS



SWIVEL FLANGE COUPLING WITH SMOOTH HOSE SHANK

ND	Inch	Flange pressure class	For hose mm	Material hose shank	Flange material	Weight/pc kg	Reference
15	1/2"	DIN PN 25/40	13	Steel	Steel	0.92	FLGP4013
20	3/4"	DIN PN 25/40	19	Steel	Steel	1.17	FLGP4019
25	1"	DIN PN 25/40	25	Steel	Steel	1.94	FLGP4025
32	1.1/4"	DIN PN 25/40	32	Steel	Steel	2.82	FLGP4032
38	1.1/2"	DIN PN 25/40	38	Steel	Steel	3.28	FLGP4038
50	2"	DIN PN 25/40	50	Steel	Steel	4.61	FLGP4050
63	2.1/2"	DIN PN 25/40	63	Steel	Steel	6.16	FLGP4063
75	3"	DIN PN 25/40	75	Steel	Steel	8.33	FLGP4075
100	4"	DIN PN 25/40	100	Steel	Steel	9.88	FLGP40100

15	1/2"	DIN PN 25/40	13	SS	SS	1.01	RRFLGP4013
20	3/4"	DIN PN 25/40	19	SS	SS	1.61	RRFLGP4019
25	1"	DIN PN 25/40	25	SS	SS	1.87	RRFLGP4025
32	1.1/4"	DIN PN 25/40	32	SS	SS	2.78	RRFLGP4032
38	1.1/2"	DIN PN 25/40	38	SS	SS	3.33	RRFLGP4038
50	2"	DIN PN 25/40	50	SS	SS	4.65	RRFLGP4050
63	2.1/2"	DIN PN 25/40	63	SS	SS	6.17	RRFLGP4063
75	3"	DIN PN 25/40	75	SS	SS	8.31	RRFLGP4075
100	4"	DIN PN 25/40	100	SS	SS	9.58	RRFLGP4100

15	1/2"	ASTM 150 lbs	13	Steel	Steel	0.59	FLGA1013
20	3/4"	ASTM 150 lbs	19	Steel	Steel	0.92	FLGA1019
25	1"	ASTM 150 lbs	25	Steel	Steel	1.34	FLGA1025
32	1.1/4"	ASTM 150 lbs	32	Steel	Steel	1.82	FLGA1032
38	1.1/2"	ASTM 150 lbs	38	Steel	Steel	2.25	FLGA1038
40	1.1/2"	ASTM 150 lbs	40	Steel	Steel	2.25	FLGA1040*
50	2"	ASTM 150 lbs	50	Steel	Steel	3.47	FLGA1050
63	2.1/2"	ASTM 150 lbs	63	Steel	Steel	5.68	FLGA1063
65	2.1/2"	ASTM 150 lbs	65	Steel	Steel	5.68	FLGA1065*
75	3"	ASTM 150 lbs	75	Steel	Steel	6.30	FLGA1075
80	3"	ASTM 150 lbs	80	Steel	Steel	6.30	FLGA1080*
100	4"	ASTM 150 lbs	100	Steel	Steel	8.83	FLGA1100
125	5"	ASTM 150 lbs	125	Steel	Steel	12.34	FLGA1125
150	6"	ASTM 150 lbs	150	Steel	Steel	15.34	FLGA1150

15	1/2"	ASTM 150 lbs	13	SS	SS	0.60	RRFLGA1013
20	3/4"	ASTM 150 lbs	19	SS	SS	1.07	RRFLGA1019
25	1"	ASTM 150 lbs	25	SS	SS	1.29	RRFLGA1025
32	1.1/4"	ASTM 150 lbs	32	SS	SS	1.95	RRFLGA1032
38	1.1/2"	ASTM 150 lbs	38	SS	SS	2.38	RRFLGA1038
40	1.1/2"	ASTM 150 lbs	40	SS	SS	2.38	RRFLGA1040*
50	2"	ASTM 150 lbs	50	SS	SS	3.65	RRFLGA1050
63	2.1/2"	ASTM 150 lbs	63	SS	SS	5.38	RRFLGA1063
65	2.1/2"	ASTM 150 lbs	65	SS	SS	5.38	RRFLGA1065*
75	3"	ASTM 150 lbs	75	SS	SS	6.23	RRFLGA1075
80	3"	ASTM 150 lbs	80	SS	SS	6.23	RRFLGA1080*
100	4"	ASTM 150 lbs	100	SS	SS	7.55	RRFLGA1100
125	5"	ASTM 150 lbs	125	SS	SS	11.74	RRFLGA1125
150	6"	ASTM 150 lbs	150	SS	SS	15.94	RRFLGA1150



Swivel flange: DIN 2673 PN 10, DIN 2674 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40
ASTM / A 182/ ANSI B16.5, ASA 150 lbs

Assembly: RK safety clamps complying with EN 14420-3 / DIN 2817, FLEXOLINE® safety clamps

SS = Stainless steel AISI 316 - EN 1.4401 / Steel = galvanized steel / PP = Polypropylene

* available on request

FLANGE COUPLINGS



FIXED FLANGE COUPLING WITH SMOOTH HOSE SHANK

ND	Inch	Flange pressure class	For hose mm	Material	Weight/pc kg	Reference
15	1/2"	DIN PN 10/16	13	Steel	0.69	FVG013
20	3/4"	DIN PN 10/16	19	Steel	1.00	FVG019
25	1"	DIN PN 10/16	25	Steel	1.23	FVG025
32	1.1/4"	DIN PN 10/16	32	Steel	1.80	FVG032
38	1.1/2"	DIN PN 10/16	38	Steel	2.01	FVG038
40	1.1/2"	DIN PN 10/16	40	Steel	2.01	FVG040*
50	2"	DIN PN 10/16	50	Steel	2.80	FVG050
63	2.1/2"	DIN PN 10/16	63	Steel	3.47	FVG063
65	2.1/2"	DIN PN 10/16	65	Steel	3.47	FVG065*
75	3"	DIN PN 10/16	75	Steel	4.26	FVG075
80	3"	DIN PN 10/16	80	Steel	4.26	FVG080*
100	4"	DIN PN 10/16	100	Steel	5.67	FVG100
125	5"	DIN PN 10/16	125	Steel	8.73	FVG125
150	6"	DIN PN 10/16	150	Steel	11.64	FVG150
200	8"	DIN PN 16	200	Steel	17.89	FVG200

15	1/2"	DIN PN 10/16	13	SS	0.70	RFVG013
20	3/4"	DIN PN 10/16	19	SS	1.01	RFVG019
25	1"	DIN PN 10/16	25	SS	1.24	RFVG025
32	1.1/4"	DIN PN 10/16	32	SS	1.83	RFVG032
38	1.1/2"	DIN PN 10/16	38	SS	2.03	RFVG038
40	1.1/2"	DIN PN 10/16	40	SS	2.03	RFVG040*
50	2"	DIN PN 10/16	50	SS	2.79	RFVG050
63	2.1/2"	DIN PN 10/16	63	SS	3.47	RFVG063
65	2.1/2"	DIN PN 10/16	65	SS	3.47	RFVG065*
75	3"	DIN PN 10/16	75	SS	4.33	RFVG075
80	3"	DIN PN 10/16	80	SS	4.33	RFVG080*
100	4"	DIN PN 10/16	100	SS	5.67	RFVG100
125	5"	DIN PN 10/16	125	SS	8.63	RFVG125
150	6"	DIN PN 10/16	150	SS	11.99	RFVG150

15	1/2"	DIN PN 25/40	13	Steel	0.78	FVGP4013
20	3/4"	DIN PN 25/40	19	Steel	1.11	FVGP4019
25	1"	DIN PN 25/40	25	Steel	1.38	FVGP4025
32	1.1/4"	DIN PN 25/40	32	Steel	1.99	FVGP4032
38	1.1/2"	DIN PN 25/40	38	Steel	2.48	FVGP4038
40	1.1/2"	DIN PN 25/40	40	Steel	2.48	FVGP4040*
50	2"	DIN PN 25/40	50	Steel	3.09	FVGP4050
63	2.1/2"	DIN PN 25/40	63	Steel	4.12	FVGP4063
65	2.1/2"	DIN PN 25/40	65	Steel	4.12	FVGP4065*
75	3"	DIN PN 25/40	75	Steel	5.31	FVGP4075
80	3"	DIN PN 25/40	80	Steel	5.31	FVGP4080*
100	4"	DIN PN 25/40	100	Steel	7.57	FVGP4100
125	5"	DIN PN 25/40	125	Steel	11.50	FVGP4125
150	6"	DIN PN 25/40	150	Steel	15.69	FVGP4150

15	1/2"	DIN PN 25/40	13	SS	0.80	RFVGP4013
20	3/4"	DIN PN 25/40	19	SS	1.12	RFVGP4019
25	1"	DIN PN 25/40	25	SS	1.39	RFVGP4025
32	1.1/4"	DIN PN 25/40	32	SS	2.02	RFVGP4032
38	1.1/2"	DIN PN 25/40	38	SS	2.50	RFVGP4038
40	1.1/2"	DIN PN 25/40	40	SS	2.50	RFVGP4040*
50	2"	DIN PN 25/40	50	SS	3.08	RFVGP4050
63	2.1/2"	DIN PN 25/40	63	SS	4.15	RFVGP4063
65	2.1/2"	DIN PN 25/40	65	SS	4.15	RFVGP4065*
75	3"	DIN PN 25/40	75	SS	5.38	RFVGP4075
80	3"	DIN PN 25/40	80	SS	5.38	RFVGP4080*
100	4"	DIN PN 25/40	100	SS	7.57	RFVGP4100
125	5"	DIN PN 25/40	125	SS	11.40	RFVGP4125
150	6"	DIN PN 25/40	150	SS	16.04	RFVGP4150



FLANGE COUPLINGS



FIXED FLANGE COUPLING WITH SMOOTH HOSE SHANK

ND	Inch	Flange pressure class	For hose mm	Material	Weight/pc kg	Reference
15	1/2"	ASTM 150 lbs	13	Steel	0.52	FVGA1013
20	3/4"	ASTM 150 lbs	19	Steel	0.76	FVGA1019
25	1"	ASTM 150 lbs	25	Steel	1.10	FVGA1025
32	1.1/4"	ASTM 150 lbs	32	Steel	1.44	FVGA1032
38	1.1/2"	ASTM 150 lbs	38	Steel	1.87	FVGA1038
40	1.1/2"	ASTM 150 lbs	40	Steel	1.87	FVGA1040*
50	2"	ASTM 150 lbs	50	Steel	2.85	FVGA1050
63	2.1/2"	ASTM 150 lbs	63	Steel	4.52	FVGA1063
65	2.1/2"	ASTM 150 lbs	65	Steel	4.52	FVGA1065*
75	3"	ASTM 150 lbs	75	Steel	5.48	FVGA1075
80	3"	ASTM 150 lbs	80	Steel	5.48	FVGA1080*
100	4"	ASTM 150 lbs	100	Steel	7.89	FVGA1100
125	5"	ASTM 150 lbs	125	Steel	10.99	FVGA1125
150	6"	ASTM 150 lbs	150	Steel	14.49	FVGA1150



15	1/2"	ASTM 150 lbs	13	SS	0.75	RFVGA1013
20	3/4"	ASTM 150 lbs	19	SS	0.86	RFVGA1019
25	1"	ASTM 150 lbs	25	SS	1.20	RFVGA1025
32	1.1/4"	ASTM 150 lbs	32	SS	1.64	RFVGA1032
38	1.1/2"	ASTM 150 lbs	38	SS	1.97	RFVGA1038
40	1.1/2"	ASTM 150 lbs	40	SS	1.97	RFVGA1040*
50	2"	ASTM 150 lbs	50	SS	2.96	RFVGA1050
63	2.1/2"	ASTM 150 lbs	63	SS	4.81	RFVGA1063
65	2.1/2"	ASTM 150 lbs	65	SS	4.81	RFVGA1065*
75	3"	ASTM 150 lbs	75	SS	5.83	RFVGA1075
80	3"	ASTM 150 lbs	80	SS	5.83	RFVGA1080*
100	4"	ASTM 150 lbs	100	SS	8.55	RFVGA1100
125	5"	ASTM 150 lbs	125	SS	11.53	RFVGA1125
150	6"	ASTM 150 lbs	150	SS	15.24	RFVGA1150



Fixed flange: DIN 2632 PN 10, DIN 2633 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40
ASTM / A 182/ ANSI B16.5, ASA 150 lbs

Assembly: RK safety clamps complying with EN 14420-3 / DIN 2817, FLEXOLINE® safety clamps

SS = Stainless steel AISI 316 - EN 1.4401

Steel = galvanized steel

* available on request

FLANGE COUPLINGS



SWIVEL FLANGE COUPLING WITH SERRATED HOSE SHANK AND COLLAR

ND	Inch	Flange pressure class	For hose mm	Material hose shank	Flange material	Weight/pc kg	Reference
15	1/2"	DIN PN 10/16	13	Steel	Steel	0.82	FLP013
20	3/4"	DIN PN 10/16	19	Steel	Steel	1.10	FLP019
25	1"	DIN PN 10/16	25	Steel	Steel	1.53	FLP025
32	1.1/4"	DIN PN 10/16	32	Steel	Steel	2.06	FLP032
38	1.1/2"	DIN PN 10/16	38	Steel	Steel	2.68	FLP038
40	1.1/2"	DIN PN 10/16	40	Steel	Steel	2.68	FLP040*
50	2"	DIN PN 10/16	50	Steel	Steel	3.22	FLP050
63	2.1/2"	DIN PN 10/16	63	Steel	Steel	4.18	FLP063
65	2.1/2"	DIN PN 10/16	65	Steel	Steel	4.18	FLP065*
75	3"	DIN PN 10/16	75	Steel	Steel	5.29	FLP075
80	3"	DIN PN 10/16	80	Steel	Steel	5.29	FLP080*
100	4"	DIN PN 10/16	100	Steel	Steel	7.01	FLP100
125	5"	DIN PN 10/16	125	Steel	Steel	14.19	FLP125
150	6"	DIN PN 10/16	150	Steel	Steel	17.72	FLP150
200	8"	DIN PN 10	200	Steel	Steel	20.0	FLP200PN10*
200	8"	DIN PN 16	200	Steel	Steel	22.6	FLP200PN16

15	1/2"	DIN PN 10/16	13	SS	SS	0.79	RRFLP013
20	3/4"	DIN PN 10/16	19	SS	SS	1.10	RRFLP019
25	1"	DIN PN 10/16	25	SS	SS	1.49	RRFLP025
32	1.1/4"	DIN PN 10/16	32	SS	SS	2.12	RRFLP032
38	1.1/2"	DIN PN 10/16	38	SS	SS	2.50	RRFLP038
40	1.1/2"	DIN PN 10/16	40	SS	SS	2.50	RRFLP040*
50	2"	DIN PN 10/16	50	SS	SS	3.43	RRFLP050
63	2.1/2"	DIN PN 10/16	63	SS	SS	3.85	RRFLP063
65	2.1/2"	DIN PN 10/16	65	SS	SS	3.85	RRFLP065*
75	3"	DIN PN 10/16	75	SS	SS	5.25	RRFLP075
80	3"	DIN PN 10/16	80	SS	SS	5.25	RRFLP080*
100	4"	DIN PN 10/16	100	SS	SS	6.02	RRFLP100
125	5"	DIN PN 10/16	125	SS	SS	9.13	RRFLP125
150	6"	DIN PN 10/16	150	SS	SS	11.83	RRFLP150

15	1/2"	DIN PN 10/16	13	SS	Steel	0.82	RSFLP013
20	3/4"	DIN PN 10/16	19	SS	Steel	1.12	RSFLP019
25	1"	DIN PN 10/16	25	SS	Steel	1.53	RSFLP025
32	1.1/4"	DIN PN 10/16	32	SS	Steel	1.99	RSFLP032
38	1.1/2"	DIN PN 10/16	38	SS	Steel	2.52	RSFLP038
40	1.1/2"	DIN PN 10/16	40	SS	Steel	2.52	RSFLP040*
50	2"	DIN PN 10/16	50	SS	Steel	3.11	RSFLP050
63	2.1/2"	DIN PN 10/16	63	SS	Steel	3.95	RSFLP063
65	2.1/2"	DIN PN 10/16	65	SS	Steel	3.95	RSFLP065*
75	3"	DIN PN 10/16	75	SS	Steel	5.34	RSFLP075
80	3"	DIN PN 10/16	80	SS	Steel	5.34	RSFLP080*
100	4"	DIN PN 10/16	100	SS	Steel	6.14	RSFLP100
125	5"	DIN PN 10/16	125	SS	Steel	9.01	RSFLP125
150	6"	DIN PN 10/16	150	SS	Steel	11.68	RSFLP150



FLANGE COUPLINGS



SWIVEL FLANGE COUPLING WITH SERRATED HOSE SHANK AND COLLAR

ND	Inch	Flange pressure class	For hose mm	Material hose shank	Flange material	Weight/pc kg	Reference
15	1/2"	ASTM 150 lbs	13	Steel	Steel	0.57	FLPA1013
20	3/4"	ASTM 150 lbs	19	Steel	Steel	0.90	FLPA1019
25	1"	ASTM 150 lbs	25	Steel	Steel	1.31	FLPA1025
32	1.1/4"	ASTM 150 lbs	32	Steel	Steel	1.78	FLPA1032
38	1.1/2"	ASTM 150 lbs	38	Steel	Steel	2.28	FLPA1038
40	1.1/2"	ASTM 150 lbs	40	Steel	Steel	2.28	FLPA1040*
50	2"	ASTM 150 lbs	50	Steel	Steel	3.47	FLPA1050
63	2.1/2"	ASTM 150 lbs	63	Steel	Steel	5.34	FLPA1063
65	2.1/2"	ASTM 150 lbs	65	Steel	Steel	5.34	FLPA1065*
75	3"	ASTM 150 lbs	75	Steel	Steel	6.05	FLPA1075
80	3"	ASTM 150 lbs	80	Steel	Steel	6.05	FLPA1080*
100	4"	ASTM 150 lbs	100	Steel	Steel	9.11	FLPA1100
125	5"	ASTM 150 lbs	125	Steel	Steel	16.49	FLPA1125
150	6"	ASTM 150 lbs	150	Steel	Steel	20.72	FLPA1150



15	1/2"	ASTM 150 lbs	13	SS	SS	0.79	RRFLPA1013
20	3/4"	ASTM 150 lbs	19	SS	SS	1.10	RRFLPA1019
25	1"	ASTM 150 lbs	25	SS	SS	1.50	RRFLPA1025
32	1.1/4"	ASTM 150 lbs	32	SS	SS	2.12	RRFLPA1032
38	1.1/2"	ASTM 150 lbs	38	SS	SS	2.50	RRFLPA1038
40	1.1/2"	ASTM 150 lbs	40	SS	SS	2.50	RRFLPA1040*
50	2"	ASTM 150 lbs	50	SS	SS	3.43	RRFLPA1050
63	2.1/2"	ASTM 150 lbs	63	SS	SS	3.85	RRFLPA1063
65	2.1/2"	ASTM 150 lbs	65	SS	SS	3.85	RRFLPA1065*
75	3"	ASTM 150 lbs	75	SS	SS	5.25	RRFLPA1075
80	3"	ASTM 150 lbs	80	SS	SS	5.25	RRFLPA1080*
100	4"	ASTM 150 lbs	100	SS	SS	6.02	RRFLPA1100
125	5"	ASTM 150 lbs	125	SS	SS	11.74	RRFLPA1125
150	6"	ASTM 150 lbs	150	SS	SS	15.33	RRFLPA1150



Swivel flange: DIN 2673 PN 10, DIN 2674 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40
ASTM / A 182/ ANSI B16.5, ASA 150 lbs

Assembly: HRRK swage ferrules, worm drive and band clamps

SS = Stainless steel AISI 316 - EN 1.4401

Steel = galvanized steel

Polypropylene flange available on request

* on request

FLANGE COUPLINGS



FIXED FLANGE COUPLING WITH SERRATED HOSE SHANK AND COLLAR

ND	Inch	Flange pressure class	For hose mm	Material	Weight/pc kg	Reference
15	1/2"	DIN PN 10/16	13	Steel	0.70	FVP013
20	3/4"	DIN PN 10/16	19	Steel	1.02	FVP019
25	1"	DIN PN 10/16	25	Steel	1.23	FVP025
32	1.1/4"	DIN PN 10/16	32	Steel	1.82	FVP032
38	1.1/2"	DIN PN 10/16	38	Steel	2.01	FVP038
40	1.1/2"	DIN PN 10/16	40	Steel	2.01	FVP040*
50	2"	DIN PN 10/16	50	Steel	2.79	FVP050
63	2.1/2"	DIN PN 10/16	63	Steel	3.70	FVP063
65	2.1/2"	DIN PN 10/16	65	Steel	3.70	FVP065*
75	3"	DIN PN 10/16	75	Steel	4.26	FVP075
80	3"	DIN PN 10/16	80	Steel	4.26	FVP080*
100	4"	DIN PN 10/16	100	Steel	5.68	FVP100
125	5"	DIN PN 10/16	125	Steel	8.51	FVP125
150	6"	DIN PN 10/16	150	Steel	11.29	FVP150
200	8"	DIN PN 10	200	Steel	17.44	FVP200PN10*
200	8"	DIN PN 16	200	Steel	17.44	FVP200PN16

15	1/2"	DIN PN 10/16	13	SS	0.70	RFVP013
20	3/4"	DIN PN 10/16	19	SS	1.01	RFVP019
25	1"	DIN PN 10/16	25	SS	1.24	RFVP025
32	1.1/4"	DIN PN 10/16	32	SS	1.83	RFVP032
38	1.1/2"	DIN PN 10/16	38	SS	2.03	RFVP038
40	1.1/2"	DIN PN 10/16	40	SS	2.03	RFVP040*
50	2"	DIN PN 10/16	50	SS	2.79	RFVP050
63	2.1/2"	DIN PN 10/16	63	SS	3.47	RFVP063
65	2.1/2"	DIN PN 10/16	65	SS	3.47	RFVP065*
75	3"	DIN PN 10/16	75	SS	4.33	RFVP075
80	3"	DIN PN 10/16	80	SS	4.33	RFVP080*
100	4"	DIN PN 10/16	100	SS	5.67	RFVP100
125	5"	DIN PN 10/16	125	SS	8.63	RFVP125
150	6"	DIN PN 10/16	150	SS	11.99	RFVP150

15	1/2"	ASTM 150 lbs	13	Steel	0.53	FVPA1013
20	3/4"	ASTM 150 lbs	19	Steel	0.78	FVPA1019
25	1"	ASTM 150 lbs	25	Steel	1.10	FVPA1025
32	1.1/4"	ASTM 150 lbs	32	Steel	1.46	FVPA1032
38	1.1/2"	ASTM 150 lbs	38	Steel	1.87	FVPA1038
40	1.1/2"	ASTM 150 lbs	40	Steel	1.87	FVPA1040*
50	2"	ASTM 150 lbs	50	Steel	2.84	FVPA1050
63	2.1/2"	ASTM 150 lbs	63	Steel	4.75	FVPA1063
65	2.1/2"	ASTM 150 lbs	65	Steel	4.75	FVPA1065*
75	3"	ASTM 150 lbs	75	Steel	5.48	FVPA1075
80	3"	ASTM 150 lbs	80	Steel	5.48	FVPA1080*
100	4"	ASTM 150 lbs	100	Steel	7.90	FVPA1100
125	5"	ASTM 150 lbs	125	Steel	10.77	FVPA1125
150	6"	ASTM 150 lbs	150	Steel	10.60	FVPA1150



Fixed flange: DIN 2632 PN 10, DIN 2633 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40
ASTM / A 182/ ANSI B16.5, ASA 150 lbs

Assembly: HRRK swage ferrules, worm drive and band clamps

SS = Stainless steel AISI 316 - EN 1.4401 / Steel = galvanized steel

* available on request

FLANGE COUPLINGS



FIXED FLANGE COUPLING WITH SERRATED HOSE SHANK AND COLLAR

ND	Inch	Flange pressure class	For hose mm	Material	Weight/pc kg	Reference
15	1/2"	ASTM 150 lbs	13	SS	0.75	RFVPA1013
20	3/4"	ASTM 150 lbs	19	SS	0.86	RFVPA1019
25	1"	ASTM 150 lbs	25	SS	1.20	RFVPA1025
32	1.1/4"	ASTM 150 lbs	32	SS	1.64	RFVPA1032
38	1.1/2"	ASTM 150 lbs	38	SS	1.97	RFVPA1038
40	1.1/2"	ASTM 150 lbs	40	SS	1.97	RFVPA1040*
50	2"	ASTM 150 lbs	50	SS	2.96	RFVPA1050
63	2.1/2"	ASTM 150 lbs	63	SS	4.81	RFVPA1063
65	2.1/2"	ASTM 150 lbs	65	SS	4.81	RFVPA1065*
75	3"	ASTM 150 lbs	75	SS	5.83	RFVPA1075
80	3"	ASTM 150 lbs	80	SS	5.83	RFVPA1080*
100	4"	ASTM 150 lbs	100	SS	8.55	RFVPA1100
125	5"	ASTM 150 lbs	125	SS	11.53	RFVPA1125
150	6"	ASTM 150 lbs	150	SS	15.24	RFVPA1150



Fixed flange: DIN 2632 PN 10, DIN 2633 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40
ASTM / A 182/ ANSI B16.5, ASA 150 lbs

Assembly: HRRK swage ferrules, worm drive and band clamps

SS = Stainless steel AISI 316 - EN 1.4401 / Steel = galvanized steel

* available on request



FLANGE COUPLINGS



SMOOTH WELDING HOSE SHANK EN 14420-2 / DIN 2817

ND	Inch	Material	For hose mm	OD Ø welding end mm	Weight/pc kg	Reference
15	1/2"	Steel	13	21.3	0.04	FTU013
20	3/4"	Steel	19	26.9	0.05	FTU019
25	1"	Steel	25	33.7	0.09	FTU025
32	1.1/4"	Steel	32	42.4	0.11	FTU032
38	1.1/2"	Steel	38	48.3	0.15	FTU038
40	1.1/2"	Steel	40	48.3	0.15	FTU040*
50	2"	Steel	50	60.3	0.27	FTU050
63	2.1/2"	Steel	63	76.1	0.41	FTU063
65	2.1/2"	Steel	65	76.1	0.41	FTU065*
75	3"	Steel	75	88.9	0.56	FTU075
80	3"	Steel	80	88.9	0.59	FTU080*
100	4"	Steel	100	114.3	1.05	FTU100
125	5"	Steel	125	139.7	2.43	FTU125
150	6"	Steel	150	168.3	3.89	FTU150
200	8"	Steel	200	219.1	6.89	FTU200

15	1/2"	SS	13	21.3	0.05	RFTU013
20	3/4"	SS	19	26.9	0.06	RFTU019
25	1"	SS	25	33.7	0.10	RFTU025
32	1.1/4"	SS	32	42.4	0.14	RFTU032
38	1.1/2"	SS	38	48.3	0.17	RFTU038
40	1.1/2"	SS	40	48.3	0.17	RFTU040*
50	2"	SS	50	60.3	0.26	RFTU050
63	2.1/2"	SS	63	76.1	0.41	RFTU063
65	2.1/2"	SS	65	76.1	0.41	RFTU065*
75	3"	SS	75	88.9	0.63	RFTU075
80	3"	SS	80	88.9	0.66	RFTU080*
100	4"	SS	100	114.3	1.05	RFTU100
125	5"	SS	125	139.7	2.33	RFTU125
150	6"	SS	150	168.3	4.24	RFTU150
200	8"	SS	200	219.1	7.11	RFTU200



SS = Stainless steel AISI 316 - EN 1.4401 / Steel = non-galvanized steel
 Assembly: RK safety clamps complying with EN 14420-3 / DIN 2817, FLEXOLINE® safety clamps

FLANGE COUPLINGS



SERRATED WELDING HOSE SHANK

ND	Inch	Material	For hose mm	OD Ø welding end mm	Weight/pc kg	Reference
15	1/2"	Steel	13	21.3	0.05	FTP013
20	3/4"	Steel	19	26.9	0.07	FTP019
25	1"	Steel	25	33.7	0.09	FTP025
32	1.1/4"	Steel	32	42.4	0.13	FTP032
38	1.1/2"	Steel	38	48.3	0.15	FTP038
40	1.1/2"	Steel	40	48.3	0.15	FTP040*
50	2"	Steel	50	60.3	0.26	FTP050
63	2.1/2"	Steel	63	76.1	0.64	FTP063
65	2.1/2"	Steel	65	76.1	0.64	FTP065*
75	3"	Steel	75	88.9	0.56	FTP075
80	3"	Steel	80	88.9	0.61	FTP080*
100	4"	Steel	100	114.3	1.06	FTP100
125	5"	Steel	125	139.7	2.21	FTP125
150	6"	Steel	150	168.3	3.54	FTP150
200	8"	Steel	200	219.1	6.44	FTP200



15	1/2"	SS	13	21.3	0.05	RFTP013
20	3/4"	SS	19	26.9	0.07	RFTP019
25	1"	SS	25	33.7	0.09	RFTP025
32	1.1/4"	SS	32	42.4	0.13	RFTP032
38	1.1/2"	SS	38	48.3	0.17	RFTP038
40	1.1/2"	SS	40	48.3	0.17	RFTP040*
50	2"	SS	50	60.3	0.27	RFTP050
63	2.1/2"	SS	63	76.1	0.46	RFTP063
65	2.1/2"	SS	65	76.1	0.46	RFTP065*
75	3"	SS	75	88.9	0.55	RFTP075
80	3"	SS	80	88.9	0.59	RFTP080*
100	4"	SS	100	114.3	1.22	RFTP100
125	5"	SS	125	139.7	2.45	RFTP125
150	6"	SS	150	168.3	3.44	RFTP150
200	8"	SS	200	219.1	6.20	RFTP200



SS = Stainless steel AISI 316 - EN 1.4401 / Steel = non-galvanized steel
 Assembly: HRRK swage ferrules, worm drive and band clamps

FLANGE COUPLINGS



RAISED FACE GASKET FOR EN / DIN FLANGE - GORE™ UPG STYLE 800

ND	DIN	ODØ mm	IDØ mm	Height mm	Colour	Reference
15	PN 10/40	51.0	22.0	3.0	White	FXG013DINRF
20	PN 10/40	61.0	27.0	3.0	White	FXG019DINRF
25	PN 10/40	71.0	34.0	3.0	White	FXG025DINRF
32	PN 10/40	82.0	43.0	3.0	White	FXG032DINRF
40	PN 10/40	92.0	49.0	3.0	White	FXG038DINRF
50	PN 10/40	107.0	61.0	3.0	White	FXG050DINRF
65	PN 10/40	127.0	77.0	3.0	White	FXG063DINRF
80	PN 10/40	142.0	89.0	3.0	White	FXG075DINRF
100	PN 10/16	162.0	115.0	3.0	White	FXG100DINRF
125	PN 10/16	192.0	141.0	3.0	White	FXG125DINRF
150	PN 10/16	218.0	169.0	3.0	White	FXG150DINRF
200	PN 10/16	273.0	220.0	3.0	White	FXG200DINRF



RAISED FACE GASKET FOR EN / DIN FLANGE - novatec® PREMIUM II

ND	DIN	ODØ mm	IDØ mm	Height mm	Colour	Reference
15	PN 10/40	51.0	22.0	2.0	Blue	FXN013DINRF
20	PN 10/40	61.0	27.0	2.0	Blue	FXN019DINRF
25	PN 10/40	71.0	34.0	2.0	Blue	FXN025DINRF
32	PN 10/40	82.0	43.0	2.0	Blue	FXN032DINRF
40	PN 10/40	92.0	49.0	2.0	Blue	FXN038DINRF
50	PN 10/40	107.0	61.0	2.0	Blue	FXN050DINRF
65	PN 10/40	127.0	77.0	2.0	Blue	FXN063DINRF
80	PN 10/40	142.0	89.0	2.0	Blue	FXN075DINRF
100	PN 10/16	162.0	115.0	2.0	Blue	FXN100DINRF
125	PN 10/16	192.0	141.0	2.0	Blue	FXN125DINRF
150	PN 10/16	218.0	169.0	2.0	Blue	FXN150DINRF
200	PN 10/16	273.0	220.0	2.0	Blue	FXN200DINRF



FLANGE COUPLINGS



RAISED FACE GASKET FOR ANSI FLANGE - GORE™ UPG STYLE 800

ND	ANSI	OD Ø mm	ID Ø mm	Height mm	Colour	Reference
1/2"	ASA 150lbs	47.5	22.0	3.0	White	FXG013A1RF
3/4"	ASA 150lbs	57.0	27.0	3.0	White	FXG019A1RF
1"	ASA 150lbs	66.5	34.0	3.0	White	FXG025A1RF
1.1/4"	ASA 150lbs	76.0	43.0	3.0	White	FXG032A1RF
1.1/2"	ASA 150lbs	85.5	49.0	3.0	White	FXG038A1RF
2"	ASA 150lbs	104.5	61.0	3.0	White	FXG050A1RF
2.1/2"	ASA 150lbs	124.0	73.0	3.0	White	FXG063A1RF
3"	ASA 150lbs	136.5	89.0	3.0	White	FXG075A1RF
4"	ASA 150lbs	174.5	115.0	3.0	White	FXG100A1RF
5"	ASA 150lbs	196.5	141.0	3.0	White	FXG125A1RF
6"	ASA 150lbs	222.0	169.0	3.0	White	FXG150A1RF
8"	ASA 150lbs	279.0	220.0	3.0	White	FXG200A1RF



Seal colour is subject to change without prior notice

GORE™ Universal Pipe Seal Style 800 is a registered trademark of W.L. Gore & Associates, Inc.

RAISED FACE GASKET FOR ANSI FLANGE - novatec® PREMIUM II

ND	ANSI	OD Ø mm	ID Ø mm	Height mm	Colour	Reference
1/2"	ASA 150lbs	47.5	22.0	2.0	Blue	FXN013A1RF
3/4"	ASA 150lbs	57.0	27.0	2.0	Blue	FXN019A1RF
1"	ASA 150lbs	66.5	34.0	2.0	Blue	FXN025A1RF
1.1/4"	ASA 150lbs	76.0	43.0	2.0	Blue	FXN032A1RF
1.1/2"	ASA 150lbs	85.5	49.0	2.0	Blue	FXN038A1RF
2"	ASA 150lbs	104.5	61.0	2.0	Blue	FXN050A1RF
2.1/2"	ASA 150lbs	124.0	73.0	2.0	Blue	FXN063A1RF
3"	ASA 150lbs	136.5	89.0	2.0	Blue	FXN075A1RF
4"	ASA 150lbs	174.5	115.0	2.0	Blue	FXN100A1RF
5"	ASA 150lbs	196.5	141.0	2.0	Blue	FXN125A1RF
6"	ASA 150lbs	222.0	169.0	2.0	Blue	FXN150A1RF
8"	ASA 150lbs	279.0	220.0	2.0	Blue	FXN200A1RF



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 KEVLAR® is a registered trademark of Dupont Dow Elastomers
 Seal colour is subject to change without prior notice