

Viking Rigid Grooved Couplings



Approvals



LPCB approved Shurjoint fittings ≤ DN250 are allowed

Nominal size		Model	Pipe OD mm (Inch)	Approvals					Weight
DN	Inch			VdS	LPCB	FM	UL	CNBOP	kg (lbs)
25	1	900	33.7 (1.33)	G	G	D	D	G	0.6 (1.3)
32	1-1/4	900	42.4 (1.67)	G	D	D	D	G	0.6 (1.3)
40	1-1/2	900	48.3 (1.90)	G	D	D	D	G	0.6 (1.3)
50	2	900	60.3 (2.37)	G	D	D	D	G	0.7 (1.5)
65	2-1/2	900	73.0 (2.88)	G	D	D	D	G	0.9 (2)
65	3 OD	900	76.1 (3.00)	G	D	D	D	G	0.9 (2)
80	3	900	88.9 (3.50)	G	D	D	D	G	1 (2.2)
100	4-1/4 OD	900	108.0 (4.25)	G	D	D	D	G	1.3 (2.9)
100	4	900	114.3 (4.50)	G	D	D	D	G	1.5 (3.3)
125	5-1/4 OD	900	133 (5.24)	C	D	D	D	C	1.8 (4)
125	5-1/2 OD	900	139.7 (5.50)	C	D	D	D	C	2.1 (4.6)
125	5	1G	141.3 (5.56)	-	E	D	D	-	2.4 (5.3)
150	6-1/4 OD	900	159.0 (6.25)	C	D	D	D	C	3.1 (6.8)
150	6-1/2 OD	900	165.1 (6.50)	C	D	D	D	C	3.2 (7.1)
150	6	900	168.3 (6.63)	C	D	D	D	C	2.6 (5.7)
200	8	900	219.1 (8.63)	C	D	D	D	C	5.6 (12.4)
250	10	900	273.0 (10.75)	C	G	D	D	C	9.4 (20.7)
300	12	900	323.9 (12.75)	C	G	D	D	C	12 (26.5)

OD = Outside Diameter

Working pressure: A = max. 12.1 bar (175 psi) / B = max. 15.5 bar (225 psi) / C = max. 16 bar (232 psi) / D = max. 20.7 bar (300 psi) / E = max. 25 bar (363 psi) / F = max. 34.5 bar / (500 psi) / G = max. 20 bar (290 psi) / - = no approvals

Technical data

Ambient temperature-40 °C to 110 °C (-40 °F to 230 °F)

Material / surface

Couplingductile cast iron, ASTM A536 Grade 65-45-12
 - Red paint liquid painting similar RAL 3000
 - White powderpowder coating similar RAL 9010
 - Galvanizedhot dip galvanized
 GasketEPDM
 Bolts and nutsheat-treated carbon steel,
zinc electroplated with yellow chromate

Application

Water based fire-suppression systems

Installation

Refer to "Grooved Products Installation Guide"

Maintenance

Visual check

Caution

For environments where aggressive, corrosive atmosphere is expected (e.g. direct outdoor exposure, direct contact with water, industrial atmosphere etc.) coupling bolts and nuts made of stainless steel (type A4 respective 316) are available. These stainless steel bolts and nuts are MoS2 coated grey-black to inhibit galling.

In addition, special surface coatings (e.g. Rilsan, Resicoat etc.) are available.

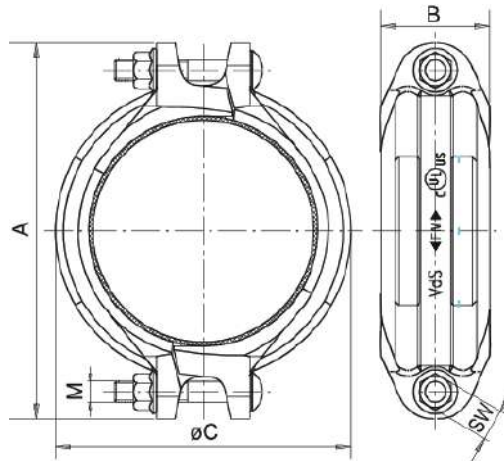
Note

EPDM gaskets must never be brought into contact with lubricants or oils containing mineral oils, as well as other materials containing mineral oils (e.g. fuels or cleaning agents).

Lubricant for assembly

Use suitable lubricants for the EPDM sealing only.

Dimensional drawing
Dimensions in mm (inch)



DN	Inch	Model	A (mm / inch)	B (mm / inch)	øC (mm / inch)	Bolts - Nuts	SW
25	1	900	90 (3.54)	46.5 (1.83)	55 (2.17)	M10x55	15
32	1-1/4	900	99 (3.90)	46.5 (1.83)	64 (2.52)	M10x55	15
40	1-1/2	900	125 (4.92)	46.5 (1.83)	70 (2.76)	M10x55	15
50	2	900	121 (4.76)	46.5 (1.83)	85 (3.35)	M10x55	15
65	2-1/2	900	134 (5.28)	47.5 (1.87)	98 (3.86)	M10x60	15
65	3 OD	900	137 (5.39)	47.5 (1.87)	102 (4.02)	M10x60	15
80	3	900	150 (5.91)	47.5 (1.87)	115 (4.53)	M10x60	15
100	4-1/4 OD	900	174 (6.85)	52.0 (2.05)	136 (5.35)	M10x65	15
100	4	900	180 (7.09)	52.0 (2.05)	142 (5.59)	M10x65	15
125	5-1/4 OD	900	208 (8.19)	52.5 (2.07)	164 (6.46)	M12x75	18
125	5-1/2 OD	900	214 (8.43)	52.5 (2.07)	171 (6.73)	M12x75	18
125	5	1G	236.5 (9.31)	52.0 (2.05)	172 (6.77)	M16x85	24
150	6-1/4 OD	900	252 (9.92)	52.5 (2.07)	193 (7.60)	M16x90	24
150	6-1/2 OD	900	258 (10.20)	52.5 (2.07)	198 (7.80)	M16x90	24
150	6	900	245 (9.65)	52.5 (2.07)	201 (7.91)	M12x75	18
200	8	900	331 (13.00)	63.5 (2.50)	258 (10.20)	M20x110	30
250	10	900	402 (15.80)	64.5 (2.54)	320 (12.60)	M22x160	34
300	12	900	450 (17.70)	65.5 (2.58)	375 (14.80)	M22x160	34