

Viking Grooved 90° Elbows



Approvals



Nominal size		Model	Pipe OD mm (Inch)	Approvals				Weight
DN	Inch			VdS	LPCB	FM	UL	kg (lbs)
25	1	910	33.7 (1.33)	G	G	D	D	0.2 (0.44)
32	1-1/4	910	42.4 (1.67)	G	G	D	D	0.4 (0.90)
40	1-1/2	910	48.3 (1.90)	G	G	D	D	0.5 (1.10)
50	2	910S	60.3 (2.37)	G	G	D	D	0.7 (1.50)
65	2-1/2	910S	73.0 (2.87)	G	G	D	D	0.9 (2.00)
65	3 OD	910S	76.1 (3.00)	G	G	D	D	0.9 (2.00)
80	3	910S	88.9 (3.50)	G	G	D	D	1.2 (2.70)
100	4	90S	108.0 (4.50)	-	-	D	F	1.8 (3.96)
100	4	910S	114.3 (4.50)	G	G	D	D	2.1 (4.60)
100 LR	4 LR	910LR	114.3 (4.50)	G	G	D	D	3.9 (8.60)
125	5-1/4 OD	90	133.0 (5.25)	-	-	F	D	3.4 (7.57)
125	5-1/2 OD	910S	139.7 (5.50)	C	G	D	D	3.5 (7.70)
125	5	90	141.3 (5.56)	-	-	F	F	4.2 (9.33)
150	6-1/4 OD	90S	159.0 (6.25)	-	-	D	D	4.6 (10.23)
150	6-1/2 OD	910S	165.1 (6.50)	C	G	D	D	5.0 (11.00)
150	6	910S	168.3 (6.63)	C	G	D	D	5.0 (11.00)
200	8	910S	219.1 (8.63)	C	G	D	D	10.2 (22.50)
250	10	910	273.0 (10.75)	C	G	D	D	19.6 (43.20)
300	12	90	323.9 (12.75)	C	-	F	B	35.5 (78.30)

OD = Outside Diameter; (LR) = Long Radius R = 1.5D

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

Materialductile cast iron, ASTM A536 Grade 65-45-12

Finish:

- Red paint liquid painting similar RAL 3000
- White powderpowder coating similar RAL 9010
- Galvanizedhot dip galvanized

Application

Water based fire-suppression systems

Caution

For environments where aggressive, corrosive atmosphere is expected (e.g. direct outdoor exposure, direct contact with water, industrial atmosphere etc.) special surface coatings (e.g. Rilsan, Resicoat etc.) are available.

Installation

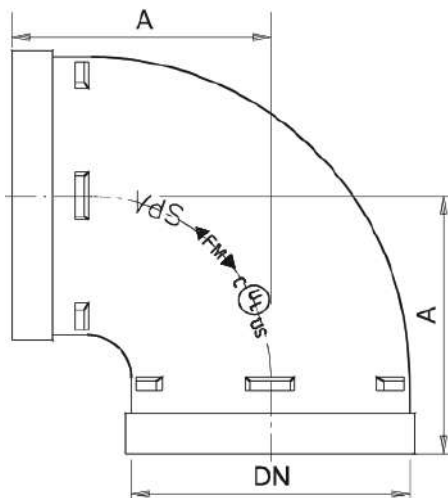
Refer to "Grooved Products Installation Guide"

Maintenance

Visual check

Dimensional drawing

Dimensions in mm (inch)



DN / mm	Inch	A (mm / inch)
25 / 33.7	1	57 (2.24)
32 / 42.4	1-1/4	70 (2.76)
40 / 48.3	1-1/2	70 (2.76)
50 / 60.3	2	70 (2.76)
65 / 73.0	2-1/2	76 (2.99)
65 / 76.1	3 OD	76 (2.99)
80 / 88.9	3	86 (3.39)
100 / 108.0	4	101 (3.98)
100 / 114.3	4	102 (4.02)
100 / 114.3 (LR)	4 (LR)	191 (7.52)
125 / 133.0	5-1/4 OD	122 (4.80)
125 / 139.7	5-1/2 OD	124 (4.88)
125 / 141.3	5	140 (5.50)
150 / 159.0	6-1/4 OD	140 (5.50)
150 / 165.1	6-1/2 OD	140 (5.51)
150 / 168.3	6	140 (5.51)
200 / 219.1	8	175 (6.89)
250 / 273.0	10	229 (9.02)
300 / 323.9	12	254 (10.00)