

# Viking Grooved 45° Elbows



## Approvals



Nominal size		Model	Pipe OD mm (Inch)	Approvals				Weight	
DN	Inch			VdS	LPCB	FM	UL	kg	(lbs)
25	1	120	33.7 (1.32)	C	E	F	F	0.20 (0.45)	
32	1-1/4	920	42.4 (1.67)	G	G	D	D	0.30 (0.70)	
40	1-1/2	920	48.3 (1.90)	G	G	D	D	0.30 (0.70)	
50	2	920	60.3 (2.37)	G	G	D	D	0.50 (1.10)	
65	2-1/2	120	73.0 (2.88)	-	-	F	F	0.79 (1.74)	
65	3OD	920	76.1 (3.00)	G	G	D	D	0.70 (1.50)	
80	3	920	88.9 (3.50)	G	G	D	D	1.00 (2.20)	
100	4-1/4 OD	120	108.0 (4.25)	-	-	F	D	1.74 (3.83)	
100	4	920	114.3 (4.50)	G	G	D	D	1.80 (4.00)	
125	5-1/2 OD	920	139.7 (5.50)	C	G	D	D	2.80 (6.20)	
150	6-1/4 OD	120	159.0 (6.25)	-	-	F	D	3.75 (8.26)	
150	6-1/2 OD	920	165.1 (6.50)	C	G	D	D	3.90 (8.60)	
150	6	920	168.3 (6.63)	C	G	D	D	4.00 (8.80)	
200	8	920	219.1 (8.63)	C	G	D	D	6.80 (15.00)	
250	10	920	273.0 (10.75)	C	G	D	D	11.50 (25.40)	
300	12	120	323.9 (12.75)	C	-	F	F	21.70 (47.80)	

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

Material .....ductile cast iron, ASTM A536 Grade 65-45-12

### Finish:

- Red paint ..... liquid painting similar RAL 3000
- White powder ..... powder coating similar RAL 9010
- Galvanized ..... hot 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

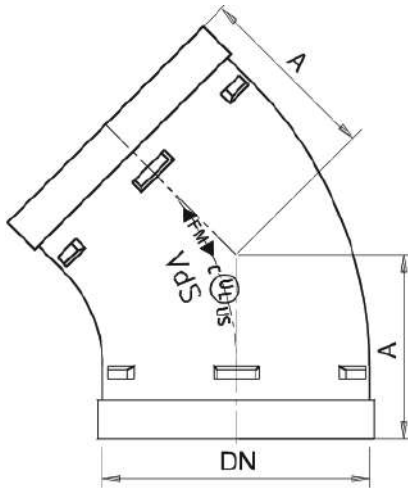
Refer to "Grooved Products Installation Guide"

## Maintenance

Visual check

## Dimensional drawing

Dimensions in mm (inch)



DN / mm	Inch	A (mm / inch)
25 / 33.7	1	44.5 (1.75)
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	57 (2.24)
65 / 76.1	3 OD	76 (2.99)
80 / 88.9	3	86 (3.39)
100 / 108.0	4-1/4 OD	76 (3.00)
100 / 114.3	4	102 (4.02)
125 / 139.7	5-1/2 OD	124 (4.88)
150 / 159.0	6-1/4 OD	89 (3.50)
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	133 (5.25)