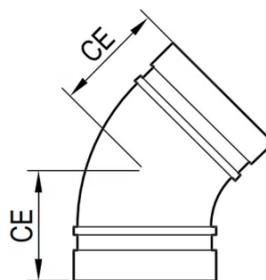




GROOVED ELBOW 45° 120

SPECIFICATIONS	
Size Range	DN25 through DN300 (33,4 mm through 323,9)
Approvals	FM, UL, PAVUS
Working pressure	R.W.P. rated working pressure 300PSI(2.065MPa / 20.65bars)
Ambient temperature	e-34 °C to 110 °C (-29.2 °F to 230 °F)
Material	Ductile cast iron (ASTM A536 Grade 65-45-12);
Finish	Painted red, Galvanised
Application	Water based fire-suppression systems
Installation	Refer to "Installation Manual"
Maintenance	Visual check



PART NUMBERS & DIMENSIONS

Size		Grooved Elbow 45° 120		Part number	
Nominal Dia.	Actual Outside Diameter	CE	Approximate Weight	Painted red	Galvanised
DN	mm	mm	kg		
25	33,4	44	0,3	M-120-033P	M-120-033P
32	42,4	44	0,5	M-120-042P	M-120-042P
40	48,3	44	0,4	M-120-048P	M-120-048P
50	60,3	51	0,5	M-120-060P	M-120-060P
65	76,1	57	0,6	M-120-076P	M-120-076P
80	88,9	64	1,1	M-120-089P	M-120-089P
100	114,3	76	1,7	M-120-114P	M-120-114P
125	139,7	83	2,7	M-120-139P	M-120-139P
150	168,3	89	4,4	M-120-168P	M-120-168P
200	219,1	108	8,4	M-120-219P	M-120-219P
250	273,0	121	13,0	M-120-273P	M-120-273P
300	323,9	133	18,0	M-120-323P	M-120-323P

Disclaimer:

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INSTALLATION GUIDANCE

ATTENTION!

Installation of the elbow or tee with a grooved connection requires a grooved coupling. See the instructions for installing rigid and flexible couplings below.

RIGID AND FLEXIBLE PIPE COUPLINGS – STEP-BY-STEP INSTALLATION



1. Pipe Preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.



2. Lubricate Gasket

Check gasket to be sure it's compatible for the intended service. Apply thin lubricant to the outside and sealing lips of the gasket.



3. Gasket Installation

Slip the gasket over one pipe, making sure the gasket lip does not over-hang the pipe end.



4. Alignment

After aligning two pipe ends together, pull the gasket into position, centering between the grooves on each pipe. The gasket should not extend into the groove on either pipe.



5. Housing Installation

Firstly hand tighten nuts and make sure oval neck bolt completely fits into bolt hole. Then securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



6. Tighten Nuts

Firstly hand tighten nuts and make sure oval neck bolt completely fits into bolt hole. Then securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



7. Assembly Completed Rigid Coupling

For Rigid Coupling, keep the gaps at bolt pads evenly spaced. Gaskets can't be seen visually.

