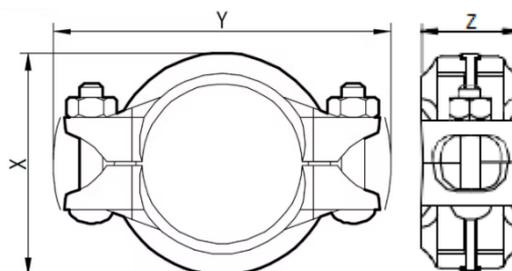




## GROOVED FLEXIBLE COUPLING 1N

SPECIFICATIONS	
<b>Sizes (Nominal)</b>	1" to 12" DN25 to DN300
<b>Approvals</b>	FM, UL, PAVUS
<b>Working pressure</b>	20.7 bar (300 psi) to 51,76 bar (750 psi) (depending on size and approval)
<b>Ambient temperature</b>	e-34 °C to 110 °C (-29.2 °F to 230 °F)
<b>Material</b>	-Coupling: Ductile cast iron (ASTM A536 Grade 65-45-12); -Gasket: EPDM.
<b>Bolts and Nuts</b>	Heat-treated, electro-galvanized oval neck bolts with heavy-duty hex nuts. Comply with ASTM A449 (mechanical & chemical) and ASTM A183 (mechanical).
<b>Finish</b>	Painted red Galvanised
<b>Application</b>	Water based fire-suppression systems
<b>Installation</b>	Refer to "Installation Manual"
<b>Maintenance</b>	Visual check



## PART NUMBERS & DIMENSIONS

Size			Max. Work Pressure PSI	Dimensions MM			Bolt/Nut Size MM	Approx. Wgt. Each KG Wgt. Each	Part number	
Inches	DN	mm		X	Y	Z			Painted red	Galvanised
1	25	33,4	750	53	98	44	M10x50	0,55	M-1N-033P	M-1N-033G
1 ¼	32	42,4	750	62	110	44	M10x50	0,58	M-1N-042P	M-1N-042G
1 ½	40	48,3	750	68	115	44	M10x50	0,6	M-1N-048P	M-1N-048G
2	50	60,3	600	83	130	45	M10x50	0,71	M-1N-060P	M-1N-060G
2 ½	65	76,1	550	100	147	46	M10x55	0,9	M-1N-076P	M-1N-076G
3	80	88,9	550	113	172	47	M10x55	1,11	M-1N-089P	M-1N-089G
4	100	114,3	500	136	196	51	M12x70	1,66	M-1N-114P	M-1N-114G
5	125	139,7	500	166	230	51	M16x85	2,42	M-1N-139P	M-1N-139G
6	150	168,3	500	199	275	52	M16x85	2,83	M-1N-168P	M-1N-168G
8	200	219	400	256	343	61	M20x100	5,06	M-1N-219P	M-1N-219G
10	250	273	350	311	397	61	M22x135	5,91	M-1N-273P	M-1N-273G
12	300	323,9	350	365	451	62	M22x135	7,39	M-1N-323P	M-1N-323G

### Disclaimer:

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## INSTALLATION GUIDANCE

### RIGID 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 Flexible Coupling

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