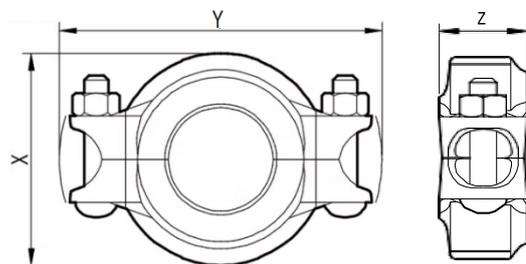




GROOVED REDUCING COUPLING 1NR

SPECIFICATIONS	
Size Range	DN40 X DN32 through DN200 X DN150 (48.3 mm x 42.4 mm through 219.1)
Approvals	FM, UL, PAVUS
Working pressure	27.58 bar (400 psi) to 37,93 bar (550 psi) (depending on size and approval)
Ambient temperature	e-34 °C to 110 °C (-29.2 °F to 230 °F)
Material	-Coupling: Ductile cast iron (ASTM A536 Grade 65-45-12); -Gasket: EPDM;
Bolts and Nuts	Heat-treated, electro-galvanized oval neck bolts with heavy-duty hex nuts. Comply with ASTM A449 (mechanical & chemical) and ASTM A183 (mechanical).
Finish	Painted red, Galvanised
Application	Water based fire-suppression systems
Installation	Refer to "Installation Manual"
Maintenance	Visual check



PART NUMBERS & DIMENSIONS

Size			Max. Work Pressure	Max. Work Loan	Max. Work End Sep.	Dimensions			Bolt/Nut Size	Approx. Wgt. Each	Part number	
Run Pipe	X	Branch Pipe				X	Y	Z			Painted red	Galvanised
mm	X	mm	PSI	Lbs.	mm	mm	mm	mm	kg			
48,4	x	42,4	550	1190	2,4	64	129	47	M10X50	0,66	M-1NR-048042P	M-1NR-048042G
60,3	x	42,4	550	1190	2,6	80	145	47	M10X50	0,86	M-1NR-060042P	M-1NR-060042G
60,3	x	48,3	550	1559	2,6	80	145	47	M10X50	0,87	M-1NR-060048P	M-1NR-060048G
76,1	x	60,3	550	2437	2,9	95	160	49	M12X75	1,35	M-1NR-076060P	M-1NR-076060G
88,9	x	60,3	500	2215	3,1	115	178	49	M12X75	1,59	M-1NR-089060P	M-1NR-089060G



Size			Max. Work Pressure	Max. Work Load	Max. Work End Sep.	Dimensions			Bolt/Nut Size	Approx. Wgt. Each	Part number	
Run Pipe	X	Branch Pipe				X	Y	Z			Painted red	Galvanised
mm	X	mm	PSI	Lbs.	mm	mm	mm	mm	kg			
88,9	x	76,1	550	3888	3,1	115	178	49	M12X75	1,48	M-1NR-089076P	M-1NR-089076G
114,3	x	60,3	500	2215	3,5	141	208	51	M16x85	2,72	M-1NR-114060P	M-1NR-114060G
114,3	x	76,1	500	3534	3,5	141	208	51	M16x85	2,51	M-1NR-114076P	M-1NR-114076G
114,3	x	88,9	550	5292	3,5	141	208	51	M16x85	2,33	M-1NR-114089P	M-1NR-114089G
139,7	x	88,9	400	3848	4,0	168	247	51	M20X115	3,68	M-1NR-139089P	M-1NR-139089G
139,7	x	114,3	450	7157	4,0	168	247	51	M20X115	3,19	M-1NR-139114P	M-1NR-139114G
168,3	x	114,3	400	6362	4,7	199	276	51	M20X115	4,24	M-1NR-168114P	M-1NR-168114G
219,1	x	168,3	40	13789	4,9	261	356	61	M22X135	3,38	M-1NR-219168P	M-1NR-219168G

Disclaimer:

This document provides only basic product information. All data, images, and drawings are for reference purposes and are not legally binding. The full technical documentation from the manufacturer shall serve as the authoritative source in all cases. Certificates, test reports, and approvals may be issued under the OEM's name. The content of this publication is subject to change without prior notice. All rights reserved.



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 Rigid Coupling

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