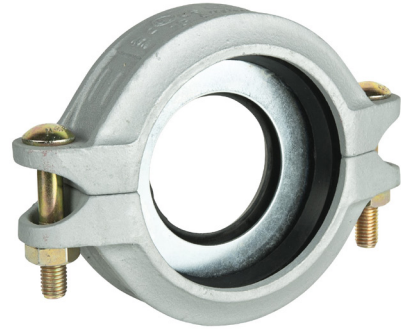
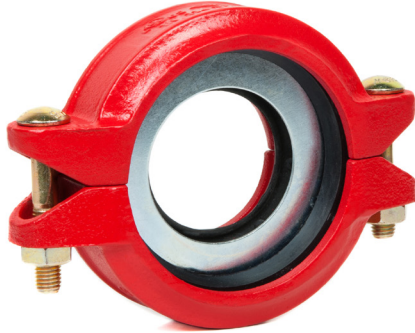




Standard Reducing Flexible Couplings Model 1N



Material Specification

- Body - Ductile Iron, ASTM A536
- Bolts and nuts - Mild steel Zinc Plated, ASTM A183, ISO898

Gasket Specification

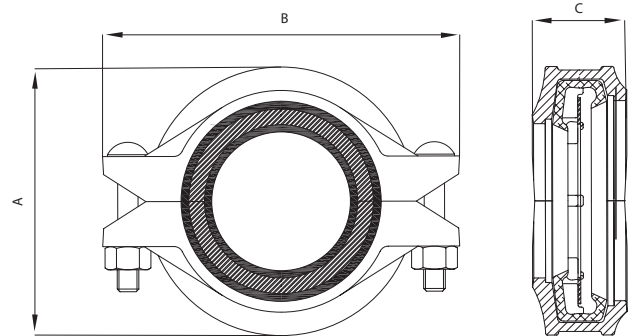
- EPDM, ASTM D2000

Temperature range -34°C to +110°C (-30°C to +230°F).

Recommended for hot water service within specified temperature range plus a variety of diluted acids, oil free air and many chemical services. Not recommended for petroleum service.

Finish

- Red painted (RAL 3000)
- Galvanised



Model Number (Red Painted)	Model Number (Galvanised)	Nominal Size mm/in	Pipe O.D mm/in	Max. Working Pressure bar/psi				Max End Load kN/Lbs	Pipe End Separation mm/in	Dimensions			Bolt Size No.-Size mm
				UL	FM	VdS	CNBOP			A mm/in	B mm/in	C mm/in	
RD1NR076060	RD1NR076060G	65 × 50 2½ × 2	76.1 × 60.3 3.000 × 2.375	20.7 300	20.7 300	16 232	20 290	9.4-2120	0-3.2 0-0.13	102 4.02	144 5.67	45 1.78	2 - 3/8 x 55 2 - M10X57
RD1NR089060	RD1NR089060G	80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375	20.7 300	20.7 300	16 232	20 290	12.8/2885	0-3.2 0-0.13	115 4.53	168 6.61	46 1.81	2 - 1/2 x 70 2 - M12X70
RD1NR089076	RD1NR089076G	80 × 65 3 × 2½	88.9 × 76.1 3.500 × 3.000	20.7 300	20.7 300	16 232	20 290	12.8/2885	0-3.2 0-0.13	115 4.53	172 6.77	46 1.81	2 - 1/2 x 70 2 - M12X70
RD1NR114060	RD1NR114060G	100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375	20.7 300	20.7 300	16 232	20 290	21.2/4770	0-3.2 0-0.13	144 5.67	198 7.80	50 1.97	2 - 1/2 x 70 2 - M12X70
RD1NR114076	RD1NR114076G	100 × 65 4 × 2½	114.3 × 76.1 4.500 × 3.000	20.7 300	20.7 300	16 232	20 290	21.2/4770	0-3.2 0-0.13	144 5.67	202 7.95	50 1.97	2 - 1/2 x 70 2 - M12X70
RD1NR114089	RD1NR114089G	100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500	20.7 300	20.7 300	16 232	20 290	21.2/4770	0-3.2 0-0.13	148 5.83	198 7.80	50 1.97	2 - 1/2 x 70 2 - M12X70
RD1NR168089	RD1NR168089G	150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500	20.7 300	20.7 300	-	20 290	46.0/10340	0-3.2 0-0.13	200 7.87	268 10.55	51 2.01	2 - 5/8 x 85 2 - M16X85
RD1NR168114	RD1NR168114G	150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500	20.7 300	20.7 300	16 232	20 290	46.0/10340	0-3.2 0-0.13	202.5 7.97	268 10.55	52.5 2.07	2 - 5/8 x 85 2 - M16X85
RD1NR219168	RD1NR219168G	200 × 150 8 × 6	219.1 × 168.3 8.625 × 6.625	20.7 300	20.7 300	-	20 290	77.8/17500	0-3.2 0-0.13	260 10.24	338 13.31	60 2.36	2 - 3/4 x 115 2 - M20X115



Standard Reducing Flexible Couplings

Model 1N



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

Remove one bolt&nut and loosen the other nut. Place one housing over the gasket, making sure the housing keys fit into the pipe grooves. Swing the other housing over the gasket and into the grooves on both pipes. Re-insert the bolt and connect two housings.



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, two housings should be iron to iron connected. Gaskets can't be seen visually.

Caution

Proper torquing of bolts is required to obtain specified performance.

- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque ANSI BOLTS

Bolt Size Inch	Specified Bolt Torque	
	Lbs-Ft.	N.m
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	130-180	175-245
7/8	180-240	245-325