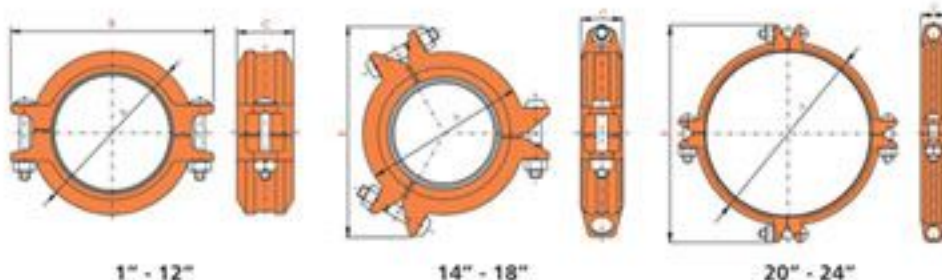




NATIONAL FITTINGS LIMITED

RIGID COUPLING STYLE 5

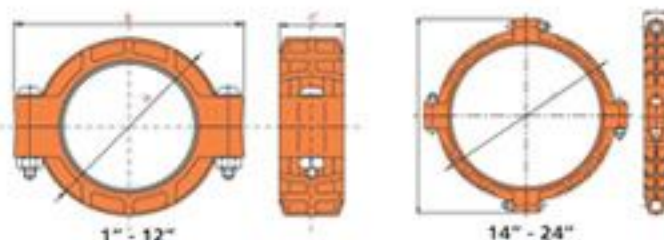
- Provides joint rigidity, for the support and hanging requirement of ANSI B31.1 Power Piping Code; ANSI B31.9 Building Service Pipe Code and NFPA 13 Sprinkler Systems.
- Tongue and Groove arrangements in housings do not permit expansion, contraction and defections are minimal.
- Available with hot dip Galvanised coating as optional.



Pipe		Part Number	Max. Working Pressure psi / kPa	Allow Pipe End Separation in. / mm	Dimensions (inch / mm)			Approx. Wt. Each lb. / kg
Nominal Size	Actual Size in. / mm				A	B	C	
1"	1.315 33.8	05100	750 5175	0.10 2.5	2.19 55.6	3.54 90.0	1.72 43.8	1.2 0.5
1 1/4"	1.660 42.2	05125	750 5175	0.10 2.5	2.56 65.0	3.90 99.0	1.73 43.9	1.2 0.6
1 1/2"	1.900 48.3	05150	750 5175	0.10 2.5	2.80 71.0	4.21 107.0	1.73 43.9	1.3 0.6
2"	2.375 60.3	05200	750 5175	0.10 2.5	3.29 83.6	4.72 120.0	1.79 45.7	1.5 0.7
2 1/2"	2.875 73.0	05250	750 5175	0.10 2.5	3.83 97.3	5.28 134.0	1.79 45.7	1.8 0.8
3"OD	3.000 76.1	05290	750 5175	0.10 2.5	3.96 100.5	5.39 137.0	1.79 45.7	2.1 1.0
3"	3.500 88.9	05300	750 5175	0.10 2.5	4.49 114.1	5.98 152.0	1.79 45.7	2.4 1.1
4"	4.500 114.3	05400	750 5175	0.16 4.1	5.83 148.0	7.20 183.0	1.99 50.6	3.7 1.7
5"	5.563 141.3	05500	750 5175	0.16 4.1	6.91 175.5	8.66 220.0	1.99 50.6	4.6 2.1
5 1/2"OD	5.500 139.7	05550	750 5175	0.16 4.1	6.84 173.8	8.66 220.0	1.99 50.6	4.6 2.1
6"	6.625 168.3	05600	750 5175	0.16 4.1	8.07 205.0	9.80 249.0	1.99 50.6	6.0 2.7
6 1/2"OD	6.500 165.1	05650	750 5175	0.16 4.1	7.91 202.0	9.69 246.0	1.99 50.6	5.5 2.5
8"	8.625 219.1	05800	600 4140	0.19 4.8	10.26 260.5	12.40 315.0	2.32 59.1	11.9 5.4
10"	10.750 273.0	05910	500 3450	0.13 3.3	12.66 321.6	15.43 392.0	2.44 62.2	19.0 8.6
12"	12.750 323.9	05912	400 2760	0.13 3.3	14.65 372.0	17.56 446.0	2.48 63.0	21.0 9.5
14"OD	14.000 355.6	05914	300 2070	0.13 3.3	15.87 403	18.97 481.9	2.91 74.0	30.4 13.8
16"OD	16.000 406.4	05916	300 2070	0.13 3.3	17.87 454.0	20.76 527.4	2.91 74.0	35.5 16.1
18"OD	18.000 457.2	05918	300 2070	0.13 3.3	20.00 508.0	22.57 573.3	3.06 77.6	44.0 20.0
20"OD	20.000 508.0	05920	300 2070	0.13 3.3	21.97 558.0	26.00 660.3	3.06 77.6	67.2 30.5
24"OD	24.000 610.0	05924	250 1725	0.09 2.3	25.98 660.0	30.03 762.8	3.09 78.5	76.2 34.6

FLEXIBLE COUPLING STYLE 11

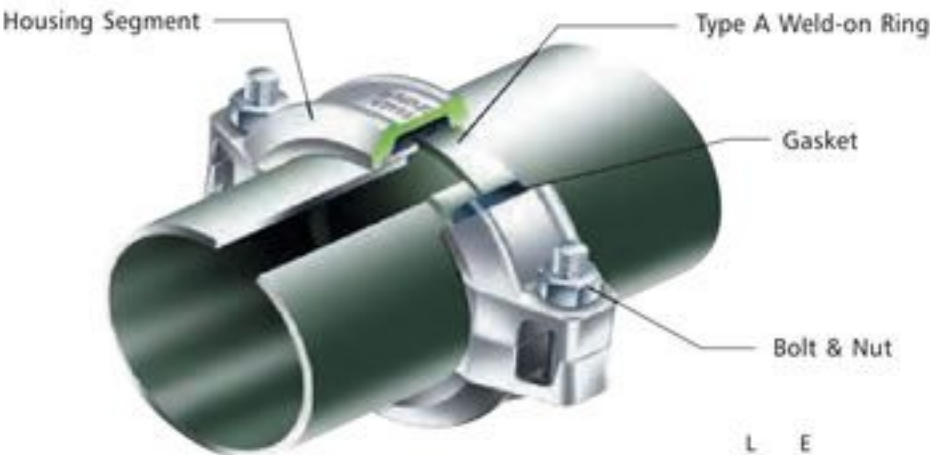
- Provides joint flexibility required in some piping systems.
- Conforms to the requirements of ANSI B31.1 Power Piping Code; ANSI B31.9 Building Service Pipe Code and NFPA 13 Sprinkler Systems.
- Heavy duty housing provide higher pressure ratings.
- Available with hot dipped galvanised coating as optional.



Pipe		Part Number	Max. Working Pressure psi / kPa	Allow Pipe End Separation in. / mm	Max. Deflection $\frac{5}{8}$ from Center Line		Dimensions (inch / mm)			Approx. Wt. Each lb. / kg.
Nominal Size	Actual Size in. / mm				Per Coupl. Dep.	Pipe in. / mm	A	B	C	
1 1/4"	1.660 42.2	11125	1000 6900	0 - 0.06 0 - 1.6	2" 34"	0.90 75	2.62 66.6	4.50 114.3	1.73 43.9	1.9 0.9
1 1/2"	1.900 48.3	11150	1000 6900	0 - 0.06 0 - 1.6	1" 56"	0.79 66	3.00 76.2	4.75 120.6	1.73 43.9	1.9 0.9
2"	2.375 60.3	11200	1000 6900	0 - 0.06 0 - 1.6	1" 31"	0.62 52	3.62 92.0	5.00 127.0	1.79 45.7	3.0 1.4
2 1/2"	2.875 73.0	11250	1000 6900	0 - 0.06 0 - 1.6	1" 15"	0.52 43	4.21 106.9	5.50 139.7	1.79 45.7	3.7 1.7
3 00"	3.000 76.1	11290	1000 6900	0 - 0.06 0 - 1.6	1" 12"	0.52 43	4.37 110.9	5.91 150.0	1.79 45.7	3.2 1.5
3"	3.500 88.9	11300	1000 6900	0 - 0.06 0 - 1.6	1" 2"	0.43 36	5.00 127.0	6.63 168.4	1.79 45.7	4.5 2.0
4"	4.500 114.3	11400	1000 6900	0 - 0.13 0 - 3.2	1" 36"	0.67 56	6.37 161.9	8.38 212.8	1.99 50.6	6.6 3.0
5"	5.563 141.3	11500	1000 6900	0 - 0.13 0 - 3.2	1" 18"	0.54 45	7.62 193.6	10.22 259.6	1.99 50.6	11.3 5.1
6"	6.625 168.3	11600	1000 6900	0 - 0.13 0 - 3.2	1" 5"	0.46 38	9.00 228.6	11.00 279.4	1.99 50.6	11.5 5.2
6 1/2 00"	6.500 165.1	11650	1000 6900	0 - 0.13 0 - 3.2	1" 6"	0.46 38	8.88 225.6	10.88 276.4	1.99 50.6	12.4 5.6
8"	8.625 219.1	11800	800 5520	0 - 0.13 0 - 3.2	0" 50"	0.34 29	11.37 288.9	13.12 333.2	2.32 59.1	18.7 8.5
10"	10.750 273.0	11910	800 5520	0 - 0.13 0 - 3.2	0" 40"	0.28 23	13.19 335.0	15.47 393.0	2.44 62.2	20.7 9.4
12"	12.750 323.9	11912	800 5520	0 - 0.13 0 - 3.2	0" 34"	0.24 20	15.10 383.5	17.56 446.0	2.48 63.0	23.8 10.8
14"	14.000 355.6	11914	300 2065	0 - 0.13 0 - 3.2	0" 31"	0.22 18	16.42 417.0	19.53 496.0	2.87 73.0	35.3 16.0
16"	16.000 406.4	11916	300 2065	0 - 0.13 0 - 3.2	0" 27"	0.19 16	18.50 470.0	21.65 550.0	2.87 73.0	50.7 23.0
18"	18.000 457.0	11918	300 2065	0 - 0.13 0 - 3.2	0" 24"	0.17 14	20.83 529.0	23.82 605.0	3.11 79.0	63.9 29.0
20"	20.000 508.0	11920	300 2065	0 - 0.13 0 - 3.2	0" 22"	0.15 12	22.95 583.0	26.69 678.0	3.11 79.0	90.4 41.0
24"	24.000 610.0	11924	250 1725	0 - 0.13 0 - 3.2	0" 18"	0.13 11	27.28 693.0	30.75 781.0	3.11 79.0	94.8 43.0

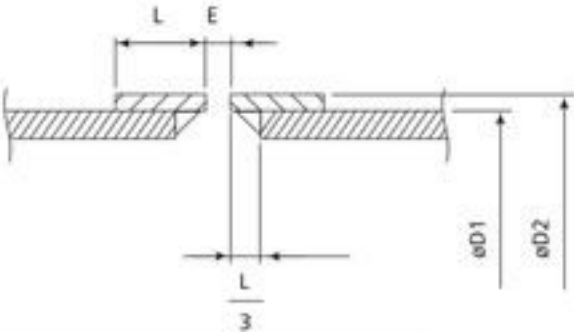
SHOULDERED PIPING SYSTEM - STYLE 30

The shouldered piping system is a classic and versatile piping method used for a wide range of applications including irrigation, dewatering on construction sites, and other installations, etc. The shouldered system features full flow characteristics, provides speed and ease of installation, and proven reliability. The system provides for limited expansion and contraction and accommodates some linear and angular movement. Each joint is a union. The shouldered piping system utilizes. Type A weld-on rings, manufactured from mild steel or material compatible to pipe and used.



Shouldered Coupling

The shouldered piping system utilizes Type A weld-on rings, manufactured from mild steel or material compatible to pipe end used. Type A rings are suitable for services up to maximum 600 psi / 40 bar for sizes up to 4" / 100mm and 400psi / 28 bar for 5" / 125mm through 8" / 200 mm. For other size contact us.



SHOULDER DIMENSIONS (TYPE A WELD-ON RINGS)

NOMINAL Size Inch	PART NUMBER	PIPE OD(D1) mm	SHOULDER DIA(D2) mm	LENGTH(L) SHOULDER mm	NOMINAL GAP(E) mm
1 1/2"	112150	48.3	54.0	16.0	2.9
2"	112200	60.3	66.5	16.0	2.9
2 1/2"	112250	76.1	82.5	16.0	2.9
3"	112300	88.9	97.0	16.0	2.9
4"	112400	114.3	122.0	17.5	3.1
5"	112500	139.7	147.5	17.5	3.1
6 1/2" OD	112650	165.1	174.5	17.5	3.1
6"	112600	168.3	178.0	17.5	3.1
8"	112800	219.1	232.0	20.5	3.5
10"	112910	273.0	286.0	20.5	3.5
12"	112912	323.9	336.5	20.5	3.5
14"	112914	355.6	388.5	24.0	5.0
16"	112916	406.4	419.0	24.0	5.0
18"	112918	457.0	470.0	25.5	5.5
20"	112920	508.0	520.5	25.5	5.5
22"	112922	559.0	571.5	25.5	5.5
24"	112924	609.6	622.5	25.5	5.5

STAINLESS STEEL COUPLINGS

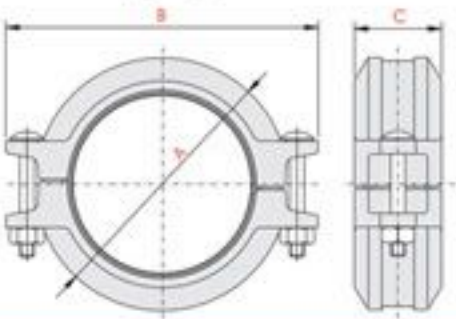
Designed to provide rugged, corrosion resistant components for grooved end stainless steel piping systems, Couplings and fittings are investment cast in SS 304 grade stainless steel for Sch 5,10, or 40 stainless steel pipe. Available in 1" – 8" sizes. Couplings are supplied with Hex head bolts and nuts. Grade 316 Housings with compatible Bolts and nuts are optionally available. Allows for pipe support and hanging to ANSI B 31.1. Available with a variety of gasket material to suit service conditions.

RIGID COUPLING STYLE 055

Provides joint rigidity and does not allow expansion, contraction nor deflection. Tongue and groove design with wider key section prevents expansion and contraction.



Refer Page No: 6 for Notes



Pipe		Part Number	Max Working Pressure psi / MPa	Allow Pipe End Separation in / mm	No Bolt/Nut Kept - Size inch / Ø	Dimensions (inch / mm)			Approx. Wt. Each lb / kg
Nominal Size	Actual Size in / mm					A	B	C	
1"	1.315 33.3	055100	300 20.7	0.10 2.5	2/2 - 3/8x2-1/8	2.19 55.4	3.54 90.0	1.72 43.8	1.4 0.6
1 1/8"	1.640 41.6	055125	300 20.7	0.10 2.5	2/2 - 3/8x2-1/8	2.54 64.5	3.90 99.0	1.73 43.9	1.4 0.6
1 1/2"	1.900 48.3	055150	300 20.7	0.10 2.5	2/2 - 3/8x2-1/8	2.80 71.0	4.21 107.0	1.73 43.9	1.5 0.7
2"	2.375 60.3	055200	300 20.7	0.10 2.5	2/2 - 3/8x2-1/8	3.29 83.4	4.72 120.0	1.79 45.7	1.8 0.8
2 1/2"	2.875 73.0	055250	300 20.7	0.10 2.5	2/2 - 3/8x2-1/8	3.83 97.4	5.28 134.0	1.79 45.7	2.1 0.9
3"	3.500 88.9	055300	300 20.7	0.10 2.5	2/2 - 3/8x2-1/8	4.49 114.1	5.98 152.0	1.79 45.7	2.8 1.2
4"	4.500 114.3	055400	300 20.7	0.16 4.1	2/2 - 3/8x2-1/8	5.83 148.0	7.20 183.0	1.99 50.6	4.3 1.9
5"	5.543 141.3	055500	300 20.7	0.16 4.1	2/2 - 1/2x3-3/8	6.91 175.5	8.66 220.0	1.99 50.6	5.4 2.5
6"	6.625 168.3	055600	300 20.7	0.16 4.1	2/2 - 1/2x3-3/8	8.07 205.0	9.80 249.0	1.99 50.6	7.0 3.2
8"	8.625 219.1	055800	300 20.7	0.19 4.8	2/2 - 5/8x4-1/2	10.26 260.5	12.40 315.0	2.32 58.1	11.9 5.3