

MODEL

Z07 HEAVY DUTY RIGID COUPLING

The **Shurjoint** Model Z07 is an angle-pad design rigid coupling for general piping applications where rigidity is required including, mechanical rooms, valve connections fire mains and long straight runs. The angle-pad design allows the coupling housings to slide along the bolt pads when tightened. The result is an offset clamping

action which provides a rigid joint that resists flexural and torsional loads. Support and hanging requirements correspond to ANSI B31.1, B31.9 and NFPA 13.



Note: Model Z07N two-segment couplings are now available in sizes 14" - 24". Model Z07 multi-segment couplings in sizes 14" - 24" are also available. Contact **Shurjoint** for the Z07 multi-segment data sheet. Please specify the model required when ordering.

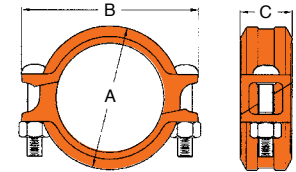
Pressure-Temperature Rating

Size	Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
1 1/4" - 6" 32 - 150	Class 300	750 psi @ 100°F 52 Bar @ 38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C
8" - 12" 200 - 300	Class 250	400 psi @ 100°F 28 Bar @ 38°C	
14" - 24" 350 - 600	Class 150	300 psi @ 100°F 20 Bar @ 38°C	

*Working pressure is based on roll- or cut-grooved standard wall carbon steel pipe.

*Proof test pressure: 1.5 times the working pressure, non-shock cold water.

*Burst pressure is engineered minimum 3 times the working pressure.



1-1/4" ~ 24"

Nominal Size mm / in	Pipe O. D. mm / in	Max. Working Pressure Bar/PSI	Max. End Load kN / Lbs	Axial Displacement mm / in	Dimensions			Bolts Size		Weight Kgs / Lbs
					A mm / in	B mm / in	C mm / in	No.	mm / in	
32	42.2	52	7.27	0~1.2	68	105	47	2	M10 x 55	0.7
1 1/4	1.660	750	1620	0~0.05	2.68	4.13	1.85	2	3/8 x 2 1/2	1.6
40	48.3	52	9.52	0~1.2	74	115	47	2	M10 x 55	0.9
1 1/2	1.900	750	2130	0~0.05	2.91	4.53	1.85	2	3/8 x 2 1/2	2.0
50	60.3	52	14.84	0~1.7	86	120	48	2	M10 x 70	1.1
2	2.375	750	3320	0~0.07	3.39	4.72	1.88	2	3/8 x 2 3/4	2.4
65	73.0	52	21.75	0~1.7	100	140	48	2	M10 x 70	1.1
2 1/2	2.875	750	4875	0~0.07	3.94	5.50	1.88	2	3/8 x 2 3/4	2.4
76.1 mm	76.1	52	23.64	0~1.7	102	146	48	2	M10 x 70	1.2
	3.000	750	5300	0~0.07	4.00	5.75	1.88	2	3/8 x 2 3/4	2.6
80	88.9	52	32.26	0~1.7	115	157	48	2	M12 x 75	1.4
3	3.500	750	7210	0~0.07	4.53	6.18	1.88	2	1/2 x 3	3.1
100	114.3	52	53.33	0~4.1	147	199	54	2	M12 x 75	2.0
4	4.500	750	11920	0~0.16	5.78	7.83	2.13	2	1/2 x 3	4.4
139.7 mm	139.7	52	79.66	0~4.1	175	235	54	2	M16 x 90	3.0
	5.500	750	17810	0~0.16	6.88	9.25	2.13	2	3/8 x 3 1/2	6.6
125	141.3	52	81.50	0~4.1	177	235	54	2	M16 x 90	3.0
5	5.563	750	18220	0~0.16	6.97	9.25	2.13	2	3/8 x 3 1/2	6.6
165.1 mm	165.1	52	111.27	0~4.1	200	259	54	2	M16 x 90	3.4
	6.500	750	24870	0~0.16	7.87	10.20	2.13	2	3/8 x 3 1/2	7.5
150	168.3	52	115.62	0~4.1	203	263	54	2	M16 x 90	3.2
6	6.625	750	25840	0~0.16	8.00	10.35	2.13	2	3/8 x 3 1/2	7.1
200	219.1	28	105.51	0~4.8	268	342	64	2	M20 x 120	7.1
8	8.625	400	23360	0~0.19	10.55	13.46	2.52	2	3/4 x 4 3/4	15.7
250	273.0	28	163.81	0~3.2	327	431	65	2	---	10.4
10	10.750	400	36290	0~0.13	12.86	16.98	2.56	2	7/8 x 6 1/2	27.4
300	323.9	28	230.59	0~3.2	377	480	65	2	---	11.8
12	12.750	400	51040	0~0.13	14.86	18.88	2.56	2	7/8 x 6 1/2	26.0
200 JIS	216.3	28	102.83	0~3.2	264	340	64	2	M20 x 120	7.4
	8.516	400	22770	0~0.13	10.39	13.39	2.50	2	3/4 x 4 3/4	16.3
250 JIS	267.4	28	157.16	0~3.2	321	397	65	2	---	10.5
	10.528	400	34800	0~0.13	12.63	15.63	2.56	2	7/8 x 6 1/2	23.1
300 JIS	318.5	28	222.97	0~3.2	372	452	65	2	---	12.4
	12.539	400	49370	0~0.13	14.65	17.80	2.56	2	7/8 x 6 1/2	27.4
350 (Z07N)	355.6	20	199.53	0~3.2	408	505	75	2	---	16.0
	14.000	300	46160	0~0.13	16.06	19.89	2.95	2	7/8 x 5 1/2	35.3
400 (Z07N)	406.4	20	259.30	0~3.2	467	554	75	2	---	17.9
	16.000	300	60290	0~0.13	18.39	21.84	2.95	2	7/8 x 5 1/2	30.5
450 (Z07N)	457.2	20	328.18	0~3.2	525	607	79	2	---	22.3
	18.000	300	76300	0~0.13	20.68	23.89	3.11	2	7/8 x 5 1/2	40.1
500 (Z07N)	508.0	20	405.16	0~3.2	582	698	76	2	---	26.2
	20.000	300	94200	0~0.13	22.93	27.47	3.00	2	1 x 5 1/2	57.8
600 (Z07N)	609.6	20	583.43	0~3.2	687	803	78	2	---	32.1
	24.000	300	13650	0~0.13	27.05	31.61	3.06	2	1 x 5 1/2	70.8

Contact **Shurjoint** for the data sheet of multi-segment type Z07 14" through 24"