

Model Z05 Rigid Coupling - Angle-Pad Design

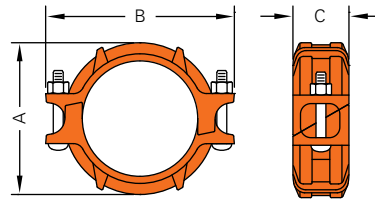
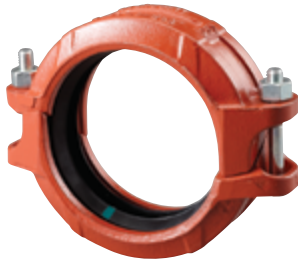
The Shurjoint Model Z05 is an angle-pad design rigid coupling for moderate pressure piping services including fire mains, long straight runs and valve connections. The angle-pad design allows the coupling housings to slide along the bolt pads when tightened. The result is an offset clamping action which provides a rigid joint which

resists so-called 'snaking' of a long straight run. Support and hanging requirements correspond to ANSI B31.1, B31.9 and NFPA 13.

With the removal of only one bolt you can make a fast and easy 'swing-over' installation.



The angle pad design allows for fast and easy swing-over installation with the removal of a single bolt.



Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Max. End Load (CWP)	Axial Displacement †	Dimensions			Bolt		Weight
					A	B	C	No.	Size	
in	in	PSI	Lbs	in	in	in	in		in	Lbs
mm	mm	Bar	kN	mm	mm	mm	mm		mm	Kgs
1¼	1.660	500	1080	0 ~ 0.05	2.60	4.00	1.81	2	¾ x 2½	1.41
32	42.2	35	4.89	0 ~ 1.2	66	102	46		M10 x 55	0.64
1½	1.900	500	1410	0 ~ 0.05	2.83	4.29	1.81	2	¾ x 2½	1.46
40	48.3	35	6.41	0 ~ 1.2	72	109	46		M10 x 55	0.66
2	2.375	500	2210	0 ~ 0.07	3.35	4.61	1.85	2	¾ x 2¾	1.74
50	60.3	35	9.99	0 ~ 1.7	85	117	47		M10 x 70	0.79
2½	2.875	500	3240	0 ~ 0.07	3.86	5.24	1.85	2	¾ x 2¾	2.05
65	73.0	35	14.64	0 ~ 1.7	98	133	47		M10 x 70	0.93
76.1 mm	3.000	500	3530	0 ~ 0.07	3.94	5.35	1.85	2	¾ x 2¾	2.16
	76.1	35	15.91	0 ~ 1.7	100	136	47		M10 x 70	0.98
3	3.500	500	4800	0 ~ 0.07	4.45	5.91	1.88	2	¾ x 2¾	2.60
80	88.9	35	21.71	0 ~ 1.7	113	150	48		M10 x 70	1.20
108.0 mm	4.250	500	7080	0 ~ 0.16	5.59	6.93	2.13	2	¾ x 2¾	3.62
	108.0	35	32.05	0 ~ 4.1	142	176	54		M10 x 70	1.64
4	4.500	500	7940	0 ~ 0.16	5.75	7.20	2.13	2	¾ x 2¾	4.12
100	114.3	35	35.89	0 ~ 4.1	146	183	54		M10 x 70	1.87
133.0 mm	5.250	350	7570	0 ~ 0.16	6.69	8.82	2.13	2	½ x 3	5.14
	133.0	24	33.33	0 ~ 4.1	170	224	54		M12 x 75	2.33
139.7 mm	5.500	350	8310	0 ~ 0.16	6.81	8.98	2.09	2	½ x 3	5.67
	139.7	24	36.77	0 ~ 4.1	173	228	53		M12 x 75	2.57
5	5.563	350	8500	0 ~ 0.16	6.89	9.06	2.13	2	½ x 3	5.69
	141.3	24	37.62	0 ~ 4.1	175	230	54		M12 x 75	2.58
159.0 mm	6.250	350	10730	0 ~ 0.16	7.80	9.84	2.09	2	½ x 3	6.06
	159.0	24	47.63	0 ~ 4.1	198	250	53		M12 x 75	2.75
165.1 mm	6.500	350	11600	0 ~ 0.16	7.87	9.92	2.09	2	½ x 3	6.72
	165.1	24	51.35	0 ~ 4.1	200	252	53		M12 x 75	3.05
6	6.625	350	12050	0 ~ 0.16	8.00	10.0	2.09	2	½ x 3	6.77
150	168.3	24	53.36	0 ~ 4.1	203	254	53		M12 x 75	3.07
8	8.625	350	20430	0 ~ 0.19	10.40	12.68	2.52	2	¾ x 5½	13.38
200	219.1	24	90.44	0 ~ 4.8	264	322	64		M16 x 135	6.07
200 JIS	8.516	350	19920	0 ~ 0.19	10.24	13.35	2.50	2	¾ x 4¾	15.43
	216.3	24	88.14	0 ~ 4.8	260	339	64		M20 x 120	7.00

* Working Pressure is based on roll grooved standard wall carbon steel pipe.

† Allowable Axial Displacement and Angular Movement (deflection) figures are for roll grooved standard steel pipe. Values for cut grooved pipe will be double that of roll grooved. These values are maximums; for design and installation purposes these figures should be reduced by: 50% for ¾/DN20 - 3½/DN90; 25% for 4/DN100 and larger to compensate for jobsite conditions.