

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.

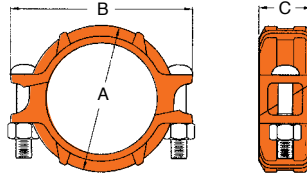
### Pressure-Temperature Rating

Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
Class 150	300 psi @100°F 20 Bar @38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°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.



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



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	20	2.80	0 ~ 1.2	66	102	46	2	M10 x 55	0.64
1¼	1.660	300	649	0 ~ 0.05	2.60	4.00	1.81	2	¾ x 2½	1.41
40	48.3	20	3.66	0 ~ 1.2	72	109	46	2	M10 x 55	0.66
1½	1.900	300	850	0 ~ 0.05	2.83	4.29	1.81	2	¾ x 2½	1.46
50	60.3	20	5.71	0 ~ 1.7	85	117	47	2	M10 x 70	0.79
2	2.375	300	1330	0 ~ 0.07	3.35	4.61	1.85	2	¾ x 2¾	1.74
65	73.0	20	8.37	0 ~ 1.7	98	132	47	2	M10 x 70	0.93
2½	2.875	300	1950	0 ~ 0.07	3.86	5.20	1.85	2	¾ x 2¾	2.05
76.1 mm	76.1	20	9.09	0 ~ 1.7	100	136	47	2	M10 x 70	0.98
	3.000	300	2120	0 ~ 0.07	3.94	5.35	1.85		¾ x 2¾	2.16
80	88.9	20	12.41	0 ~ 1.7	113	148	48	2	M10 x 70	1.20
3	3.500	300	2885	0 ~ 0.07	4.45	5.83	1.88	2	¾ x 2¾	2.60
100	108.0	20	18.31	0 ~ 4.1	142	176	54	2	M10 x 70	1.64
4	4.250	300	4250	0 ~ 0.16	5.59	6.93	2.13		¾ x 2¾	3.62
108.0 mm	114.3	20	20.51	0 ~ 4.1	146	182	53	2	M10 x 70	1.87
	4.500	300	4770	0 ~ 0.16	5.75	7.17	2.09		¾ x 2¾	4.12
133.0 mm	133.0	20	27.77	0 ~ 4.1	170	224	54	2	M12 x 75	2.33
	5.250	300	6456	0 ~ 0.16	6.69	8.82	213		½ x 3	5.14
139.7 mm	139.7	20	30.64	0 ~ 4.1	173	227	53	2	M12 x 75	2.57
	5.500	300	7125	0 ~ 0.16	6.81	8.94	2.09		½ x 3	5.67
125	141.3	20	31.35	0 ~ 4.1	175	229	53	2	M12 x 75	2.58
	5.563	300	7290	0 ~ 0.16	6.89	9.02	2.09		½ x 3	5.69
159.0 mm	159.0	20	39.69	0 ~ 4.1	198	250	54	2	M12 x 75	2.75
	6.250	300	9199	0 ~ 0.16	7.80	9.84	2.13		½ x 3	6.06
165.1 mm	165.1	20	42.80	0 ~ 4.1	200	246	54	2	M12 x 75	3.05
	6.500	300	9950	0 ~ 0.16	7.87	9.69	2.13		½ x 3	6.72
150	168.3	20	44.47	0 ~ 4.1	203	249	54	2	M12 x 75	3.07
	6.625	300	10340	0 ~ 0.16	8.00	9.80	2.13		½ x 3	6.77
200	219.1	20	75.37	0 ~ 4.8	264	330	64	2	M16 x 135	6.07
	8.625	300	17525	0 ~ 0.19	10.40	12.99	2.52		⅝ x 5⅝	13.38
200 JIS	216.3	20	73.45	0 ~ 4.8	260	340	64	2	M20 x 120	7.00
	8.516	300	17079	0 ~ 0.19	10.24	13.39	2.50		¾ x 4¾	15.43