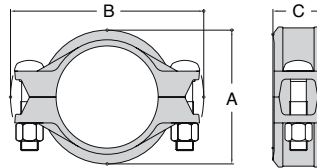


MODEL

A505 COUPLING

Shurjoint Model A505 couplings are designed for connecting grooved ductile iron pipe and fittings of ANSI/AWWA C151/A21.51, Class 53 or higher dimensions. The same coupling can be used either as a flexible coupling or a rigid coupling depending on the type of groove processed.




The Model A505 coupling is recommended for service up to 500 psi (35 bar) depending on the size. The GapSeal® gasket fits flush over the pipe ends and prevents fluids from entering into the gasket cavity.



Nominal Size mm / in	Pipe O. D. mm / in	Max. Working Pressure Bar / PSI	Max. End Load kN / Lbs	Axial Displacement* mm / in	Bolts		Dimensions			Weight Kgs / Lbs
					No.	size in	A mm / in	B mm / in	C mm / in	
80	100.6	35	27.59	0~2.4	2	½ x 3	141	194	56	2.5
3	3.96	500	6200	0~0.09			5.55	7.64	2.20	5.5
100	121.9	35	40.50	0~2.4	2	⅝ x 3½	164	221	57	3.3
4	4.80	500	9000	0~0.09			6.46	8.70	2.25	7.3
150	175.3	28	66.26	0~2.4	2	⅝ x 3½	218	265	57	4.4
6	6.90	400	14950	0~0.09			8.58	10.43	2.25	9.7
200	229.9	28	113.92	0~4.0	2	¾ x 4¾	275	354	67	8.5
8	9.05	400	25600	0~0.16			10.83	13.94	2.64	18.7
250	281.9	25	150.63	0~4.0	2	¾ x 4¾	332	406	70	11.0
10	11.10	350	33850	0~0.16			13.07	16.00	2.76	24.2
300	335.3	25	211.50	0~4.0	2	⅞ x 6½	390	480	70	14.0
12	13.20	350	47900	0~0.16			15.35	18.90	2.76	30.8
350	388.6	17	204.47	0~4.0	4	1 x 3½	441	530	73	16.0
14	15.30	250	45950	0~0.16			17.36	20.87	2.88	35.2
400	442.0	17	264.33	0~6.4	4	1 x 3½	504	604	89	26.4
16	17.40	250	59400	0~0.25			19.84	22.78	3.50	58.0
450	495.3	17	332.19	0~6.4	4	1 x 3½	560	660	89	35.0
18	19.50	250	74650	0~0.25			22.05	26.00	3.50	77.0
500	548.6	10	244.31	0~6.4	4	1½ x 4	610	720	89	38.0
20	21.60	150	54900	0~0.25			24.37	28.35	3.50	83.6
600	655.3	10	348.80	0~6.4	4	1½ x 4	740	840	89	49.0
24	25.80	150	78400	0~0.25			29.14	33.07	3.50	107.8

Pressure ratings listed are based on radius cut-grooved Thickness Class 53 or higher pipe.
*only when connected on flexible radius groove.

Special gaskets for AWWA ductile iron pipe

Grade	Temp. Range	Compound	Color Code	General Service Recommendations
S	-20°F to +180°F (-29°C to +82°C)	Nitrile	 Red Stripe	Specially formulated to seal on ductile iron pipe iron surfaces. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range; except hot dry air over 60°C (+140°F) and water over 65°C (+150°F) NOT RECOMMENDED FOR HOT WATER SERVICES.
M	-20°F to +200°F (-29°C to +93°C)	Halogenated Butyl	 Brown Stripe	Specially formulated to seal on ductile iron pipe surfaces. Recommended for water service plus a variety of dilute acids, oil-free air and other chemical services within the specified temperature range. The compound is UL classified per ANSI/NSF61 for potable water applications. NOT RECOMMENDED FOR HOT WATER SERVICES.
L	-30°F to +350°F (-34°C to +177°C)	Silicone	 Red Gasket	Recommended for dry heat, air without hydrocarbons to 350°F (177°C) and certain chemical services.