

# PLAIN-END PIPING SYSTEM FOR STEEL PIPE

MODEL

## 79 WILDCAT™ COUPLING

The **Shurjoint** Model 79 Wildcat™ coupling is designed to mechanically join plain-end or beveled end carbon steel pipe. The Wildcat™ couplings can be used for a variety of applications including mining, process piping, manifold piping and oilfield services. The Wildcat™ couplings feature case-hardened jaws\* within the housings and large diameter heat treated track bolts that when tightened securely grip the pipe surface. As with grooved couplings, a C-shaped rubber gasket effectively seals the

pipe ends (\* For sizes larger than 350mm (14"), jaws are made of 17-4PH stainless steel.)

The **Shurjoint** Wildcat™ coupling is recommended for use on steel pipe with a hardness less than HB 150, not recommended for plastic, HDPE, cast iron or other brittle pipe.

Gaskets are available either in Grade E EPDM for water services of -29°F to +230°F (-34°C to +110°C) or Grade T Nitrile for oil services -20°F to +180°F (-29°C to +82°C).



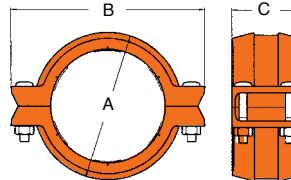
### Pressure-Temperature Rating

Size in / mm	Nom. Rating	Working Pressure (STD)	Max. Service Temperature
2	CWP	750 psi @100°F 52 Bar @38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C
50			
2½ - 3	CWP	600 psi @100°F 42 Bar @38°C	
65 - 80			
4	CWP	450 psi @100°F 32 Bar @38°C	
100			
5 - 6	CWP	300 psi @100°F 21 Bar @38°C	
125 - 150			
8 - 12	CWP	250 psi @100°F 17 Bar @38°C	
200 - 300			
14	CWP	200 psi @100°F 14 Bar @38°C	
350			
16	CWP	150 psi @100°F 10 Bar @38°C	
400			



### CAUTION

Bolts and nuts must always be tightened to the required torque.



2" - 16"



\*Working pressure is for plain-end standard wall steel pipe with hardness less than HB150.

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

\*Burst pressure is engineered minimum 2 times the working pressure.

Nominal Size mm / in	Pipe OD mm / in	Max. Working Pressure Bar / PSI	Max. End Load kN / Lbs	Required Bolt Torque N-m / Lbs-Ft.	Bolt		Dimensions			Weight Kgs / Lbs
					No.	Size in	A mm / in	B mm / in	C mm / in	
50	60.3	52	14.84	200	2	¾ x 3½	95	171	98	3.2
2	2.375	750	3320	150			3.75	6.75	3.86	7.0
65	73.0	42	17.57	200	2	¾ x 3½	108	181	98	3.3
2½	2.875	600	3890	150			4.25	7.13	3.86	7.3
80	88.9	42	26.06	270	2	¾ x 4¾	127	216	98	5.0
3	3.500	600	5770	200			5.00	8.50	3.86	11.0
100	114.3	32	32.82	270	2	¾ x 4¾	154	223	102	6.5
4	4.500	450	7150	200			6.14	8.78	4.00	14.3
125	141.3	21	32.91	340	2	¾ x 6½	187	262	111	11.0
5	5.563	300	7290	250			7.36	10.31	4.38	24.2
150	168.3	21	46.69	340	2	¾ x 6½	216	292	111	13.0
6	6.625	300	10340	250			8.50	11.50	4.38	28.6
200	219.1	17	64.06	270	4	¾ x 4¾	276	361	127	19.0
8	8.625	250	14600	200			10.88	14.21	5.00	41.8
250	273.0	17	99.46	400	4	¾ x 6½	320	406	127	24.0
10	10.750	250	22680	300			12.60	16.00	5.00	52.8
300	323.9	17	140.00	470	4	1 x 6½	371	457	135	28.7
12	12.750	250	31900	350			14.60	18.00	5.30	63.1
350	355.6	14	138.97	470	4	1 x 6½	424	508	156	42.5
14	14.000	200	30770	350			16.70	20.00	6.15	93.5
400	406.4	10	129.65	470	4	1 x 6½	475	559	156	43.5
16	16.000	150	30140	350			18.70	22.00	6.15	95.7