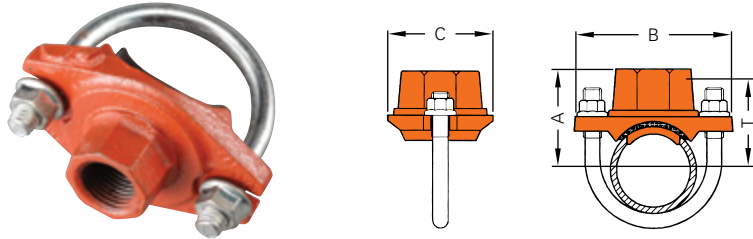


Model 723 Saddle-Let

The Model 723 Saddle-Let is the ideal outlet fitting for making direct connections to sprinkler heads, drop nipples and or gauges. No need for welding, just cut or drill a hole at the desired outlet location.



Nominal Size Run x Branch	Max. Working Pressure (CWP)	Hole Dia. † +3.2, -0 / +0.13, -0	Dimensions			Take-Out, T‡ D	Bolt Size	Bolt Torque	Weight
			A	B	C				
in	PSI	in	in	in	in	in	in	Lbs-Ft	Lbs
mm	Bar	mm	mm	mm	mm	mm	in	Nm	Kgs
1 ¼ x ½	300	1.18	1.97	3.50	2.20	1.73	¾Ø	15-22	0.9
32 x 15	20	30	50.0	89.0	56.0	44.0	U-Bolt	20-30	0.4
1 ¼ x ¾	300	1.18	1.97	3.50	2.20	1.73	¾Ø	15-22	0.9
32 x 20	20	30	50.0	89.0	56.0	44.0	U-Bolt	20-30	0.4
1 ¼ x 1	300	1.18	2.13	3.50	2.20	1.85	¾Ø	15-22	0.9
32 x 25	20	30	54.0	89.0	56.0	47.0	U-Bolt	20-30	0.4
1 ½ x ½	300	1.18	2.09	3.50	2.24	1.81	¾Ø	15-22	0.9
40 x 15	20	30	53.0	89.0	57.0	46.0	U-Bolt	20-30	0.4
1 ½ x ¾	300	1.18	2.09	3.50	2.24	1.81	¾Ø	15-22	0.9
40 x 20	20	30	53.0	89.0	57.0	46.0	U-Bolt	20-30	0.4
1 ½ x 1	300	1.18	2.28	3.50	2.24	1.93	¾Ø	15-22	0.9
40 x 25	20	30	58.0	89.0	57.0	49.0	U-Bolt	20-30	0.4
2 x ½	300	1.18	2.36	3.82	2.24	2.09	¾Ø	15-22	0.9
50 x 15	20	30	60.0	97.0	57.0	53.0	U-Bolt	20-30	0.4
2 x ¾	300	1.18	2.36	3.82	2.24	2.09	¾Ø	15-22	0.9
50 x 20	20	30	60.0	97.0	57.0	53.0	U-Bolt	20-30	0.4
2 x 1	300	1.18	2.52	3.82	2.24	2.20	¾Ø	15-22	0.9
50 x 25	20	30	64.0	97.0	57.0	56.0	U-Bolt	20-30	0.4
2 ½ x ½	300	1.18	2.60	4.37	2.24	2.28	¾Ø	15-22	0.9
65 x 15	20	30	66.0	111.0	57.0	58.0	U-Bolt	20-30	0.4
2 ½ x ¾	300	1.18	2.60	4.37	2.24	2.28	¾Ø	15-22	0.9
65 x 20	20	30	66.0	111.0	57.0	58.0	U-Bolt	20-30	0.4
2 ½ x 1	300	1.18	2.76	4.37	2.24	2.40	¾Ø	15-22	1.1
65 x 25	20	30	70.0	111.0	57.0	61.0	U-Bolt	20-30	0.5

† Hole diameters listed are suggested hole saw diameters.
‡ T: Take-out (Center of run to end of pipe to be engaged)
* Working Pressure is based on standard wall carbon steel pipe.

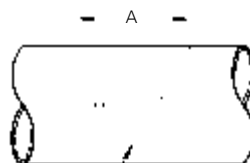


Hole Cutting

The method of pipe preparation requires the cutting or drilling of a specified hole size on the centerline of the pipe. Always use the correct hole saw size as shown in the table and never use a torch for cutting a hole. After the hole has been cut all rough edges must be removed and the area within 5/8" (16 mm) of the hole should be inspected to ensure a clean smooth surface, free of any indentations or projections that could affect proper gasket sealing.

Hole Sizes for 723 Saddle-let

Saddle-Let Branch Size	Hole Dimensions		Surface Preparation "A"
	Hole Saw Size	Max dia. Allowed	
in	in	in	in
mm	mm	mm	mm
½, ¾, 1	1 ³⁄₁₆	1 ¼	3 ½
15, 20, 25	30	32	89



5/8" (16 mm)

Pressure Performance Data

Ductile Iron Couplings on Carbon Steel & Stainless Steel Pipe

The following tables show maximum working pressures (CWP) of Shurjoint ductile iron couplings and flange adapters used on both carbon steel and stainless steel pipes. Shurjoint ductile iron couplings can be used in conjunction with stainless steel pipe in non-corrosive environment as the flow media does

not come in direct contact with the coupling housings but rather only the gasket. Stated pressure ratings have been developed with a safety factor. Please see Shurjoint's 2017 online installation instructions for most recently updated instructions. Proper installation is important to proper performance.

Model Z05 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ¼	600	600	500	400	250
32	42	42	35	28	17
1 ½	600	600	500	400	250
40	42	42	35	28	17
2	600	600	500	400	250
50	42	42	35	28	17
2 ½	600	600	500	400	250
65	42	42	35	28	17
3	600	600	500	400	250
80	42	42	35	28	17
4	600	600	500	400	200
100	42	42	35	28	14
5	450	450	350	300	175
125	31	31	24	20	12
6	450	450	350	300	175
150	31	31	24	20	12
8	450	450	350	300	150
200	31	31	24	20	10

Model Z05 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ¼	600	600	450	300	250
32	42	42	31	20	17
1 ½	600	600	450	300	250
40	42	42	31	20	17
2	600	600	450	300	250
50	42	42	31	20	17
2 ½	600	600	450	300	250
65	42	42	31	20	17
3	600	600	450	300	250
80	42	42	31	20	17
4	600	600	450	300	200
100	42	42	31	20	14
5	450	450	300	200	
125	31	31	20	14	NR
6	450	450	300	125	NR
150	31	31	20	9	
8	450	450	300	100	
200	31	31	20	7	NR

Model K-9 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ¼	600	600	500	400	300
32	42	42	35	28	20
1 ½	600	600	500	400	300
40	42	42	35	28	20
2	600	600	500	400	300
50	42	42	35	28	20
2 ½	600	600	500	400	300
65	42	42	35	28	20
3	600	600	500	400	300
80	42	42	35	28	20
4	600	600	500	400	300
100	42	42	35	28	20
5	450	450	450	350	250
125	31	31	31	24	17
6	450	450	450	350	250
150	31	31	31	24	17
8	450	450	300	250	200
200	31	31	20	17	14
8 (K-9H)	450	450	300	250	200
200	31	31	20	17	14

Model K-9 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ¼	600	600	450	300	250
32	42	42	31	20	17
1 ½	600	600	450	300	250
40	42	42	31	20	17
2	600	600	450	300	250
50	42	42	31	20	17
2 ½	600	600	450	300	250
65	42	42	31	20	17
3	600	600	450	300	250
80	42	42	31	20	17
4	600	600	450	300	200
100	42	42	31	20	14
5	450	450	300	200	
125	31	31	20	14	NR
6	450	450	300	125	NR
150	31	31	20	9	
8	450	450	300	100	
200	31	31	20	7	NR
8 (K-9H)	450	450	300	100	
200	31	31	20	7	NR

Model Z07 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 1/4	750	750	750	600	400
32	52	52	52	42	28
1 1/2	750	750	750	600	400
40	52	52	52	42	28
2	750	750	750	600	400
50	52	52	52	42	28
2 1/2	750	750	750	600	400
65	52	52	52	42	28
3	750	750	750	600	400
80	52	52	52	42	28
4	750	750	750	600	400
100	52	52	52	42	28
5	750	750	750	500	350
125	52	52	52	35	24
6	700	700	700	400	300
150	48	48	48	28	20
8	600	600	600	350	250
200	42	42	42	24	17
10	500	500	500	300	200
250	35	35	35	20	14
12	400	400	400	250	150
300	28	28	28	17	10

Model Z07 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 1/4	750	750	750	750	300
32	52	52	52	52	20
1 1/2	750	750	750	750	300
40	52	52	52	52	20
2	750	750	750	700	300
50	52	52	52	48	20
2 1/2	750	750	750	700	300
65	52	52	52	48	20
3	750	750	750	500	300
80	52	52	52	35	20
4	750	750	750	500	250
100	52	52	52	35	17
5	750	750	650	500	
125	52	52	45	35	NR
6	700	700	600	300	
150	48	48	42	20	NR
8	600	600	450	300	
200	42	42	31	20	NR
10	500	500	450	150	
250	35	35	31	10	NR
12	400	400	400	125	
300	28	28	28	9	NR

Model 7771 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 1/2	750	750	750	600	400
40	52	52	52	42	28
2	750	750	750	600	400
50	52	52	52	42	28
2 1/2	750	750	750	600	400
65	52	52	52	42	28
3	750	750	750	600	400
80	52	52	52	42	28
4	750	750	750	600	400
100	52	52	52	42	28
5	750	750	750	500	350
125	52	52	52	35	24
6	700	700	700	400	300
150	48	48	48	28	20
8	600	600	600	350	250
200	42	42	42	24	17
10	500	500	500	300	200
250	35	35	35	20	14
12	400	400	400	250	150
300	28	28	28	17	10

Model 7771 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 1/2	750	750	700	500	300
40	52	52	48	35	20
2	750	750	700	500	300
50	52	52	48	35	20
2 1/2	750	750	700	500	300
65	52	52	48	35	20
3	750	750	700	500	300
80	52	52	48	35	20
4	750	750	700	400	250
100	52	52	48	28	17
5	750	750	600	300	
125	52	52	42	20	NR
6	700	700	500	200	
150	48	48	35	14	NR
8	600	600	400	150	
200	42	42	28	10	NR
10	500	500	300	100	
250	35	35	20	7	NR
12	400	400	250	100	
300	28	28	17	7	NR

Model XH-1000 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
2	1000	1000	1000	750	
50	69	69	69	52	NR
2 1/2	1000	1000	1000	600	
65	69	69	69	42	NR
3	1000	1000	1000	600	
80	69	69	69	42	NR
4	1000	1000	1000	600	
100	69	69	69	42	NR
6	1000	1000	1000	450	
150	69	69	69	31	NR
8	800	800	800	300	
200	55	55	55	20	NR
10	800	800	800	300	
250	55	55	55	20	NR
12	800	800	800	200	
300	55	55	55	14	NR

Model XH-1000 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
2	1000	1000	750	700	
50	69	69	52	48	NR
2 1/2	1000	1000	750	700	
65	69	69	52	48	NR
3	1000	1000	750	500	
80	69	69	52	35	NR
4	1000	1000	750	500	
100	69	69	52	35	NR
6	1000	1000	750	350	
150	69	69	52	24	NR
8	800	800	650	350	
200	55	55	45	24	NR
10	800	800	600	300	
250	55	55	42	20	NR
12	800	800	600	300	
300	55	55	42	20	NR

Model G28 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1½	300	300	300	300	
40	20	20	20	20	NR
2	300	300	300	300	
50	20	20	20	20	NR
2½	300	300	300	300	
65	20	20	20	20	NR
3	300	300	300	300	
80	20	20	20	20	NR
4	300	300	300	300	
100	20	20	20	20	NR
5	300	300	300	300	
125	20	20	20	20	NR
6	300	300	300	300	
150	20	20	20	20	NR
8	300	300	300	250	
200	20	20	20	17	NR
10	300	300	300	250	
250	20	20	20	17	NR

Model G28 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1½	300	300	300	300	
40	20	20	20	20	NR
2	300	300	300	300	
50	20	20	20	20	NR
2½	300	300	300	300	
65	20	20	20	20	NR
3	300	300	300	300	
80	20	20	20	20	NR
4	300	300	300	175	
100	20	20	20	12	NR
5	300	300	250	150	
125	20	20	17	10	NR
6	300	300	250	150	
150	20	20	17	10	NR
8	300	300	200		
200	20	20	14	NR	NR
10	300	300	200		
250	20	20	14	NR	NR

Model 7705 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1	600	600	500	400	300
25	42	42	35	28	20
1¼	600	600	500	400	300
32	42	42	35	28	20
1½	600	600	500	400	300
40	42	42	35	28	20
2	600	600	500	400	300
50	42	42	35	28	20
2½	600	600	500	400	300
65	42	42	35	28	20
3	600	600	500	400	300
80	42	42	35	28	20
4	600	600	500	400	300
100	42	42	35	28	20
5	450	450	450	350	250
125	31	31	31	24	17
6	450	450	450	350	250
150	31	31	31	24	17
8	450	450	300	250	200
200	31	31	20	17	14
10	350	350	300	200	175
250	24	24	20	14	12
12	350	350	300	200	175
300	24	24	20	14	12

Model 7705 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1	600	600	750	500	250
25	42	42	52	35	17
1¼	600	600	750	500	250
32	42	42	52	35	17
1½	600	600	650	500	250
40	42	42	45	35	17
2	600	600	500	500	250
50	42	42	35	35	17
2½	600	600	500	500	250
65	42	42	35	35	17
3	600	600	500	400	250
80	42	42	35	28	17
4	600	600	500	400	200
100	42	42	35	28	14
5	450	450	450	350	
125	31	31	31	24	NR
6	450	450	300	300	
150	31	31	20	20	NR
8	450	450	300	300	
200	31	31	20	20	NR
10	350	350	200	75	
250	24	24	14	5	NR
12	350	350	200	50	
300	24	24	14	3	NR

Model 7707 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
¾	1000	1000	1000* / 750	750* / 600	500
20	69	69	69* / 52	52* / 42	35
1	1000	1000	1000* / 750	750* / 600	500
25	69	69	69* / 52	52* / 42	35
1¼	1000	1000	1000* / 750	750* / 600	500
32	69	69	69* / 52	52* / 42	35
1½	1000	1000	1000* / 750	750* / 600	500
40	69	69	69* / 52	52* / 42	35
2	1000	1000	1000* / 750	750* / 600	500
50	69	69	69* / 52	52* / 42	35
2½	1000	1000	1000* / 750	600	500
65	69	69	69* / 52	42	35
3	1000	1000	1000* / 750	600	500
80	69	69	69* / 52	42	35
4	1000	1000	1000* / 750	600	400
100	69	69	69* / 52	42	28
5	1000	1000	1000* / 750	500	350
125	69	69	69* / 52	35	24
6	1000	1000	1000* / 700	450	300
150	69	69	69* / 48	31	20
8	800	800	800* / 600	350	250
200	55	55	55* / 42	24	17
10	800	800	800* / 550	300	200
250	55	55	55* / 38	20	14
12	800	800	800* / 500	300	200
300	55	55	55* / 35	20	14

Model 7707 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
¾	750	750	750	500	325
20	52	52	52	35	22
1	750	750	750	500	325
25	52	52	52	35	22
1¼	750	750	750	500	325
32	52	52	52	35	22
1½	750	750	750	500	325
40	52	52	52	35	22
2	750	750	750	500	325
50	52	52	52	35	22
2½	750	750	750	500	325
65	52	52	52	35	22
3	750	750	750	500	325
80	52	52	52	35	22
4	750	750	750	500	250
100	52	52	52	35	17
5	750	750	650	500	
125	52	52	45	35	NR
6	750	750	500	200	
150	52	52	35	14	NR
8	600	600	450	300	
200	42	42	31	20	NR
10	600	600	400	125	
250	42	42	28	9	NR
12	600	600	400	125	
300	42	42	28	9	NR

Note: * Maximum line pressure, including surge, to which a joint should be subjected.

Model 7706 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ½ x 1 ¼	500	500	500	350	300
40 x 32	35	35	35	24	20
2 x 1 ½	500	500	500	350	300
50 x 40	35	35	35	24	20
2 ½ x 2	500	500	500	350	300
65 x 50	35	35	35	24	20
3 x 2	500	500	500	350	300
80 x 50	35	35	35	24	20
3 x 2 ½	500	500	500	350	300
80 x 65	35	35	35	24	20
4 x 2	500	500	500	350	300
100 x 50	35	35	35	24	20
4 x 2 ½	500	500	500	350	300
100 x 65	35	35	35	24	20
4 x 3	500	500	500	300	250
100 x 80	35	35	35	20	17
5 x 4	400	400	400	300	250
125 x 100	28	28	28	20	17
6 x 3	400	400	400	300	200
150 x 80	28	28	28	20	14
6 x 4	400	400	400	300	175
150 x 100	28	28	28	20	12
8 x 6	400	400	400	300	175
200 x 150	28	28	28	20	12

Model 7706 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ½ x 1 ¼	500	500	350	300	250
40 x 32	35	35	24	20	17
2 x 1 ½	500	500	350	300	250
50 x 40	35	35	24	20	17
2 ½ x 2	500	500	350	300	250
65 x 50	35	35	24	20	17
3 x 2	500	500	350	300	250
80 x 50	35	35	24	20	17
3 x 2 ½	500	500	350	300	250
80 x 65	35	35	24	20	17
4 x 2	500	500	350	300	250
100 x 50	35	35	24	20	17
4 x 2 ½	500	500	350	300	200
100 x 65	35	35	24	20	14
4 x 3	500	500	300	250	200
100 x 80	35	35	20	17	14
5 x 4	400	400	300	250	
125 x 100	28	28	20	17	NR
6 x 3	400	400	300	200	NR
150 x 80	28	28	20	14	
6 x 4	400	400	300	175	NR
150 x 100	28	28	20	12	
8 x 6	400	400	300	175	NR
200 x 150	28	28	20	12	

Model C-7 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ½ x *	500	500	500	350	300
40 x *	35	35	35	24	20
2 x *	500	500	500	350	300
50 x *	35	35	35	24	20
2 ½ x *	500	500	500	350	300
65 x *	35	35	35	24	20
3 x *	500	500	500	350	300
80 x *	35	35	35	24	20
4 x *	500	500	500	350	300
100 x *	35	35	35	24	20
6 x *	400	400	400	350	300
150 x *	28	28	28	24	20

* = all branch sizes, threaded and grooved

Model C-7 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
1 ½ x *	500	500	350	300	250
40 x *	35	35	24	20	17
2 x *	500	500	350	300	250
50 x *	35	35	24	20	17
2 ½ x *	500	500	350	300	250
65 x *	35	35	24	20	17
3 x *	500	500	350	300	250
80 x *	35	35	24	20	17
4 x *	500	500	350	300	250
100 x *	35	35	24	20	17
6 x *	400	400	300	300	250
150 x *	28	28	20	20	17

* = all branch sizes, threaded and grooved

Model 7043 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
2	750	750	750	500	
50	52	52	52	35	NR
2 ½	750	750	750	500	
65	52	52	52	35	NR
3	750	750	750	500	
80	52	52	52	35	NR
4	750	750	750	500	
100	52	52	52	35	NR
5	750	750	750	450	
125	52	52	52	31	NR
6	750	750	750	450	
150	52	52	52	31	NR
8	750	750	750	300	
200	52	52	52	20	NR
10	750	750	750	300	
250	52	52	52	20	NR
12	750	750	750	250	
300	52	52	52	17	NR

Hydrostatic shell test: 1125 psi (77 Bar) per ANSI B16.5

Model 7043 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
2	400	400	400		
50	28	28	28	NR	NR
2 ½	400	400	400		
65	28	28	28	NR	NR
3	400	400	400		
80	28	28	28	NR	NR
4	300	300	300		
100	20	20	20	NR	NR
5	300	300	250		
125	20	20	17	NR	NR
6	300	300	200		
150	20	20	14	NR	NR
8	250	250	150		
200	17	17	10	NR	NR
10	250	250	150		
250	17	17	10	NR	NR
12	250	250	150		
300	17	17	10	NR	NR

Model 7041 on Carbon Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
2	300	300	300	250	250
50	20	20	20	17	17
2½	300	300	300	250	250
65	20	20	20	17	17
3	300	300	300	250	250
80	20	20	20	17	17
4	300	300	300	250	250
100	20	20	20	17	17
5	300	300	300	250	200
125	20	20	20	17	14
6	300	300	300	250	200
150	20	20	20	17	14
8	300	300	300	200	NR
200	20	20	20	14	NR
10	300	300	300	200	NR
250	20	20	20	14	NR
12	300	300	300	200	NR
300	20	20	20	14	NR
14	300	300	300	200	NR
350	20	20	20	14	NR
16	300	300	300	175	NR
400	20	20	20	12	NR
18	300	300	300	175	NR
450	20	20	20	12	NR
20	300	300	300	150	NR
500	20	20	20	10	NR
24	300	300	300	150	NR
600	20	20	20	10	NR

Model 7041 on Stainless Steel Pipe

Nom. Size	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
in	psi	psi	psi	psi	psi
mm	Bar	Bar	Bar	Bar	Bar
2	300	300	275	275	250
50	20	20	19	19	17
2½	300	300	275	275	250
65	20	20	19	19	17
3	300	300	275	275	250
80	20	20	19	19	17
4	300	300	275	275	250
100	20	20	19	19	17
5	300	300	275	200	200
125	20	20	19	14	14
6	300	300	250	200	200
150	20	20	17	14	14
8	300	300	200	75	NR
200	20	20	14	5	NR
10	300	300	200	75	NR
250	20	20	14	5	NR
12	300	300	200	50	NR
300	20	20	14	3	NR
14	250	250	125	NR	NR
350	17	17	9	NR	NR
16	250	250	125	NR	NR
400	17	17	9	NR	NR
18	250	250	125	NR	NR
450	17	17	9	NR	NR
20	250	250	100	NR	NR
500	17	17	7	NR	NR
24	250	250	100	NR	NR
600	17	17	7	NR	NR

Model 7707N on Carbon Steel Pipe

Nom. Size	Cut-Grooved	Roll-Grooved	
	XS (0.500")	STD (0.375")	LW (0.312")
in	psi	psi	psi
mm	Bar	Bar	Bar
14	300	300	250
350	20	20	17
16	300	300	250
400	20	20	17
18	300	300	250
450	20	20	17
20	300	300	250
500	20	20	17
22	300	300	250
550	20	20	17
24	300	300	250
600	20	20	17

Model Z07N on Carbon Steel Pipe

Nom. Size	Cut-Grooved	Roll-Grooved	
	XS (0.500")	STD (0.375")	LW (0.312")
in	psi	psi	psi
mm	Bar	Bar	Bar
14	NR	250	200
350	NR	17	14
16	NR	250	200
400	NR	17	14
18	NR	250	200
450	NR	17	14
20	NR	250	200
500	NR	17	14
24	NR	250	200
600	NR	17	14

Model 7707L on Carbon Steel Pipe

Nom. Size	Cut-Grooved	Roll-Grooved	
	XS (0.500")	STD (0.375")	LW (0.312")
in	psi	psi	psi
mm	Bar	Bar	Bar
28	250	175	125
700	17	12	9
30	250	175	125
750	17	12	9
32	250	175	125
800	17	12	9
34	250	175	125
850	17	12	9
36	250	175	125
900	17	12	9
40	250	175	125
1000	17	12	9
42	250	175	125
1050	17	12	9

Stated pressure ratings have been developed with a safety factor. Please see Shurjoint's 2017 online installation instructions for most recently updated instructions. Proper installation is important to proper performance.