

Performance Data Sheet - 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.

unit: psi

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Model Z05 on Carbon Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
1¼	600	600	500	400	250
1½	600	600	500	400	250
2	600	600	500	400	250
2½	600	600	500	400	250
3	600	600	500	400	250
4	600	600	500	400	200
5	450	450	350	300	175
6	450	450	350	300	175
8	450	450	350	300	150

Model Z05 on Stainless Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
1¼	600	600	450	300	250
1½	600	600	450	300	250
2	600	600	450	300	250
2½	600	600	450	300	250
3	600	600	450	300	250
4	600	600	450	300	200
5	450	450	300	200	NR
6	450	450	300	125	NR
8	450	450	300	100	NR

Model Z07 on Carbon Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
1¼	750	750	750	600	400
1½	750	750	750	600	400
2	750	750	750	600	400
2½	750	750	750	600	400
3	750	750	750	600	400
4	750	750	750	600	400
5	750	750	750	500	350
6	700	700	700	400	300
8	600	600	600	350	250
10	500	500	500	300	200
12	400	400	400	250	150

Model Z07 on Stainless Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
1¼	750	750	700	500	300
1½	750	750	700	500	300
2	750	750	700	500	300
2½	750	750	700	500	300
3	750	750	700	500	300
4	750	750	700	400	250
5	750	750	600	300	NR
6	700	700	500	200	NR
8	600	600	400	150	NR
10	500	500	300	100	NR
12	400	400	250	100	NR

Model XH-1000 on Carbon Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
2	1500	1000	1000	750	NR
2½	1500	1000	1000	600	NR
3	1500	1000	1000	600	NR
4	1500	1000	1000	600	NR
6	1500	1000	1000	450	NR
8	900	800	800	300	NR
10	900	800	800	300	NR
12	900	800	800	200	NR

Model XH-1000 on Stainless Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
2	1500	1000	750	500	NR
2½	1500	1000	750	500	NR
3	1500	1000	750	500	NR
4	1500	1000	750	400	NR
6	1500	1000	500	200	NR
8	900	800	400	125	NR
10	900	800	400	125	NR
12	900	800	400	125	NR

Model 7705 on Carbon Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
1	600	600	500	400	300
1¼	600	600	500	400	300
1½	600	600	500	400	300
2	600	600	500	400	300
2½	600	600	500	400	300
3	600	600	500	400	300
4	600	600	500	400	300
5	450	450	450	350	250
6	450	450	450	350	250
8	450	450	300	250	200
10	350	350	300	200	175
12	350	350	300	200	175

Model 7705 on Stainless Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
1	600	600	450	300	250
1¼	600	600	450	300	250
1½	600	600	450	300	250
2	600	600	450	300	250
2½	600	600	450	300	250
3	600	600	450	300	250
4	600	600	450	300	200
5	450	450	300	200	NR
6	450	450	300	125	NR
8	450	450	300	100	NR
10	350	350	200	NR	NR
12	350	350	200	NR	NR

Model 7707 on Carbon Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	XS	STD	STD	Sch. 10	Sch. 7
¾	1000	1000	750	600	500
1	1000	1000	750	600	500
1¼	1000	1000	750	600	500
1½	1000	1000	750	600	500
2	1000	1000	750	600	500
2½	1000	1000	750	600	500
3	1000	1000	750	600	500
4	1000	1000	750	600	400
5	1000	1000	750	500	350
6	1000	1000	700	450	300
8	800	800	600	350	250
10	800	800	550	300	200
12	800	800	500	300	200

Model 7707 on Stainless Steel Pipe					
Size in	Cut-Grooved		Roll-Grooved		
	Sch. 80S	Sch. 40S	Sch. 40S	Sch. 10S	Sch. 5S
¾	750	750	700	450	325
1	750	750	700	450	325
1¼	750	750	700	450	325
1½	750	750	700	450	325
2	750	750	700	450	325
2½	750	750	700	450	325
3	750	750	700	450	325
4	750	750	700	400	250
5	750	750	600	300	NR
6	750	750	500	200	NR
8	600	600	450	150	NR
10	600	600	400	125	NR
12	600	600	400	125	NR