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# Gruvlok® Figure 7400SS Rigidlite® Coupling

The Gruvlok Figure 7400SS Rigidlite Coupling is available in 1 1/4" - 8" sizes. The standard material is ASTM A743 CF8M (Type 316) Cast Stainless Steel which is ideal for corrosive environments.

Any Gruvlok gasket material may be utilized in the 7400SS coupling for a broad array of applications. Gasket properties are as designated in accordance with ASTM D2000. The 7400SS is provided with hex head Type 316, Class 1 Stainless Steel bolts and heavy stainless steel Nuts. This bolt and nut combination minimizes the chances of stress corrosion cracking. All nuts and bolts are zinc plated to reduce common thread galling.

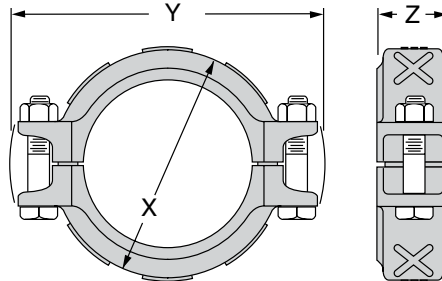


FIGURE 7400SS COUPLING

Nominal Size	O.D.	Max. Wk. Pressure	Max. End Load†	Range of Pipe End Separation	Coupling Dimensions			Coupling Bolts*		Specified Torque		Approx. Wt. Ea.
					X	Y	Z	Qty.	Size	Min.	Max.	
In./DN(mm)	In./mm	PSI/bar	Lbs./kN	In./mm	In./mm	In./mm		In.	Ft.-Lbs.		Lbs./Kg	
1 1/4 32	1.660 42.4	300 20.7	649 2.89	0-1/8 0-3.2	2 7/8 73	4 1/2 105	1 3/4 44	2	3/8 x 2 1/4	15	20	1.6 0.7
1 1/2 40	1.900 48.3	300 20.7	851 3.78	0-1/8 0-3.2	3 1/8 79	4 5/8 117	1 3/4 44	2	3/8 x 2 1/4	15	20	1.7 0.8
2 50	2.375 60.3	300 20.7	1,329 5.91	0-1/8 0-3.2	3 3/8 92	5 3/8 137	1 3/4 44	2	3/8 x 2 1/4	15	20	2.1 1.0
2 1/2 65	2.875 73.0	300 20.7	1,948 8.66	0-1/8 0-3.2	4 1/8 105	5 7/8 149	1 3/4 44	2	3/8 x 2 1/4	15	20	2.3 1.0
3 80	3.500 88.9	300 20.7	2,886 12.84	0-1/8 0-3.2	4 5/8 117	6 3/8 168	1 3/4 44	2	1/2 x 2 3/4	50	60	3.1 1.4
4 100	4.500 114.3	300 20.7	4,771 21.22	0-1/4 0-6.4	6 152	7 3/4 197	1 7/8 48	2	1/2 x 2 3/4	50	60	4.4 2.0
6 150	6.625 168.3	275 19.0	9,480 42.17	0-1/4 0-6.4	8 1/8 206	11 1/8 283	2 51	2	3/4 x 3	80	100	7.8 3.5
8 200	8.625 219.1	275 19.0	16,067 71.47	0-1/4 0-6.4	10 3/8 264	13 3/8 346	2 3/8 60	2	3/4 x 3	80	100	13.2 6.0

\* Bolts are hex head design Type 316 Grade B8M Class 1 Stainless Steel to ASTM A193, with Type 316 Grade 8M Stainless Steel heavy hex nuts conforming to ASTM A194. Use of suitable anti-galling thread compound is recommended.

† Ratings apply when used with Schedule 40 ASTM A312 Type 304 and Type 316 Stainless Steel pipe for all sizes.

**Caution:** Contact your Anvil Representative for corrosive application environments. No coating or zinc options.

# Gruvlok® Coupling & Flange Working Pressure Ratings (PSI)

The following are pressure ratings for Gruvlok Stainless Steel Piping Systems. The ratings for Schedule 10S pipe are based upon the use of roll-groover roll sets that have been specifically designed for use on Schedule 10 Stainless Steel pipe. Using roll sets that were designed for roll grooving standard wall pipe may significantly reduce the pressure ratings that can be obtained. The Model 1007/3007 roll groovers require the use of the optional Schedule 10 roll set to groove Schedule 5S and 10S. For grooving Schedule 40S on the Model 1007/3007 roll groovers, the standard steel roll grooving set should be used.

GRUVLOK COUPLING & FLANGE WORKING PRESSURE RATINGS (PSI) ON 304 AND 316 STAINLESS STEEL ROLL GROOVED PIPE														
Nominal Pipe Size	Pipe O.D.	Nominal Wall Thickness	Pipe Schedule Number	Coupling and Flanges										
				Fig. 7000 Lightweight	Fig. 7001 Standard	Fig. 7003 Hingelok	Fig. 7004 HPR	Fig. 7010* Reducing	Fig. 7012 Flange	Fig. 7013 Flange	Fig. 7400 Rigidlite	Fig. 7401 Rigidlok	Fig. 7400SS Coupling	
In./DN(mm)	In./mm	Inches	–	PSI										
1 25	1.315 33.4	0.065	5S	400	400	–	–	–	–	–	–	300	–	–
		0.109	10S	400	500	–	–	–	–	–	–	300	–	–
		0.133	40	500	750	–	–	–	–	–	–	300	–	–
1¼ 32	1.660 42.4	0.065	5S	400	400	–	–	–	–	–	–	300	–	275
		0.109	10S	500	500	–	–	–	–	–	–	300	–	300
		0.140	40	500	750	–	–	–	–	–	–	300	–	300
1½ 40	1.900 48.3	0.065	5S	400	400	275	–	–	–	–	–	300	400	275
		0.109	10S	500	500	300	–	–	–	–	–	300	500	300
		0.145	40	500	750	300	–	–	–	–	–	300	750	300
2 50	2.375 60.3	0.065	5S	250	325	250	325	250	250	250	275	250	325	275
		0.109	10S	500	500	300	500	500	500	300	300	300	500	300
		0.154	40	500	750	300	750	500	300	300	300	300	750	300
2½ 65	2.875 73.0	0.083	5S	250	325	250	325	250	250	250	275	250	325	200
		0.120	10S	500	500	300	500	500	500	300	300	300	500	300
		0.203	40	500	750	300	750	500	300	300	300	300	750	300
3 80	3.500 88.9	0.083	5S	250	325	250	325	250	250	250	275	250	325	200
		0.120	10S	500	500	300	500	500	500	300	300	300	500	300
		0.216	40	500	750	300	750	500	300	300	300	300	750	300
4 100	4.500 114.3	0.083	5S	200	250	200	250	200	200	200	250	200	250	200
		0.120	10S	300	400	300	400	300	300	300	300	300	400	300
		0.237	40	500	750	300	750	500	300	300	300	300	750	300
5 125	5.563 141.3	0.109	5S	125	200	125	200	125	125	125	200	125	200	–
		0.134	10S	200	300	200	300	200	200	200	300	200	300	–
		0.258	40	300	500	300	500	300	300	300	300	300	500	–
6 150	6.625 168.3	0.109	5S	75	125	75	125	75	75	75	125	75	125	125
		0.134	10S	200	200	200	200	200	200	200	200	200	200	250
		0.280	40	300	500	300	500	300	300	300	300	300	500	275
8 200	8.625 219.1	0.109	5S	50	75	50	75	50	50	50	75	50	75	75
		0.148	10S	150	200	150	200	150	150	150	200	150	200	150
		0.322	40	300	400	300	400	300	300	300	300	300	400	275
10 250	10.750 273.0	0.134	5S	–	50	–	50	–	50	50	50	–	50	–
		0.165	10S	–	100	–	100	–	100	100	100	–	100	–
		0.365	40	–	400	–	400	–	300	300	300	–	400	–
12 300	12.750 323.9	0.156	5S	–	75	–	75	–	50	75	–	75	–	
		0.180	10S	–	125	–	125	–	100	125	–	125	–	
		0.375	40	–	400	–	400	–	300	300	–	400	–	

- Notes:**
- 1) Pressure ratings based on ASTM A312 Type 304 stainless steel pipe or equivalent.
  - 2) Failure to use Rollers specifically designed for Stainless Steel Pipe may significantly reduce pressure retention capabilities.
  - 3) Pressure ratings on cut grooved pipe meet or exceed the schedule 40 pressure ratings listed above. For information regarding higher ratings contact Anvil.
  - 4) \* For pressure ratings on Figure 7010 Reducing Couplings use larger pipe size.
  - 5) For pressure ratings for the reducing tees, concentric reducers and eccentric reducers, use the rating of the weakest end.
  - 6) Pressure ratings on schedule 10 stainless steel pipe may be increased by using Anvil's 1007/3007 roll groovers with the schedule 10 roller set. Contact Anvil for details.