

**Cryogenic Flange Bolting - 17-7 PH Stainless Steel (Inch)**

Bolt Size	Part Number	Inch Dimensions					Flat Load (lbs)	*Torque (ft-lbs)
		O.D. D <sub>e</sub>	I.D. D <sub>i</sub>	Thick t	Dish h <sub>o</sub>	Height l <sub>o</sub>		
1/2"	CFB1 -15-7	0.925	0.515	0.090	0.017	0.107	2,865	15
	CFB1 -25-7	0.925	0.515	0.110	0.016	0.126	4,924	25
5/8"	CFB2 -15-7	1.145	0.635	0.095	0.025	0.120	3,224	30
	CFB2 -25-7	1.145	0.635	0.127	0.020	0.147	6,162	50
3/4"	CFB3 -15-7	1.365	0.765	0.127	0.025	0.152	5,467	50
	CFB3 -25-7	1.365	0.765	0.157	0.023	0.180	9,502	83
7/8"	CFB4 -15-7	1.585	0.895	0.165	0.027	0.192	9,665	80
	CFB4 -25-7	1.585	0.895	0.187	0.025	0.212	13,027	134
1"	CFB5 -15-7	1.808	1.023	0.187	0.024	0.211	9,628	123
	CFB5 -25-7	1.808	1.023	0.211	0.027	0.238	15,561	205
1-1/8"	CFB6 -15-7	2.020	1.150	0.195	0.035	0.230	12,824	178
	CFB6 -25-7	2.020	1.150	0.277	0.019	0.296	19,955	296
1-1/4"	CFB7 -15-7	2.312	1.267	0.232	0.030	0.262	13,689	250
	CFB7 -25-7	2.312	1.267	0.310	0.023	0.333	25,038	417
1-3/8"	CFB8 -15-7	2.468	1.400	0.252	0.035	0.287	18,483	340
	CFB8 -25-7	2.468	1.400	0.344	0.023	0.367	30,895	567
1-1/2"	CFB9 -15-7	2.679	1.524	0.296	0.031	0.327	22,571	400
	CFB9 -25-7	2.679	1.524	0.382	0.024	0.406	37,560	567
1-5/8"	CFB10 -15-7	2.950	1.650	0.323	0.035	0.358	26,914	550
	CFB10 -25-7	2.950	1.650	0.417	0.027	0.444	44,675	917
1-3/4"	CFB11 -15-7	3.170	1.775	0.347	0.038	0.385	31,405	750
	CFB11 -25-7	3.170	1.775	0.450	0.029	0.479	52,270	1,250
1-7/8"	CFB12 -15-7	3.390	1.900	0.374	0.040	0.414	36,221	1,000
	CFB12 -25-7	3.390	1.900	0.483	0.031	0.514	60,463	1,667
2"	CFB13 -15-7	3.600	2.040	0.400	0.042	0.442	41,649	1,100
	CFB13 -25-7	3.600	2.040	0.514	0.033	0.547	69,436	1,834

-15 denotes 15,000 psi bolt stress

-25 denotes 25,000 psi bolt stress

\* Torque values for sizes 1-1/8" and larger are based on the 8-pitch thread series for flanged piping