



# Bolting Resources

## API 6A SPEC FLANGE BOLT NUT CHART

API Pressure Rating	Flange Size & Bore	Stud Size	Nut Size A.F.	API Torque		API Pressure Rating	Flange Size & Bore	Stud Size	Nut Size A.F.	API Torque	
				f = 0.07	f = 0.13					f = 0.07	f = 0.13
2000 lb	2 1/16"	5/8"	1 1/16"	68	115	3000 lb	2 1/16"	7/8"	1 7/16"	188	319
	2 9/16"	3/4"	1 1/4"	118	200		2 9/16"	1"	1 5/8"	279	474
	3 1/8"	3/4"	1 1/4"	118	200		3 1/8"	7/8"	1 7/16"	188	319
	4 1/16"	7/8"	1 7/16"	188	319		4 1/16"	1 1/8"	1 13/16"	401	686
	5 1/8"	1"	1 5/8"	279	474		5 1/8"	1 1/4"	2"	553	953
	7 1/16"	1"	1 5/8"	279	474		7 1/16"	1 1/8"	1 13/16"	401	686
	9"	1 1/8"	1 13/16"	401	686		9"	1 3/8"	2 3/16"	739	1281
	11"	1 1/4"	2"	553	953		11"	1 3/8"	2 3/16"	739	1281
	13 5/8"	1 1/4"	2"	553	953		13 5/8"	1 3/8"	2 3/16"	739	1281
	16 3/4"	1 1/2"	2 3/8"	962	1677		16 3/4"	1 5/8"	2 9/16"	1226	2146
	21 1/4"	1 5/8"	2 9/16"	1226	2146		20 3/4"	2"	3 1/8"	2297	4061
	26 3/4"	1 3/4"	2 3/4"	1534	2696		26 3/4"	2"	3 1/8"	2297	4061

API Pressure Rating	Flange Size & Bore	Stud Size	Nut Size A.F.	API Torque		API Pressure Rating	Flange Size & Bore	Stud Size	Nut Size A.F.	API Torque	
				f = 0.07	f = 0.13					f = 0.07	f = 0.13
5000 lb	2 1/16"	7/8"	1 7/16"	188	319	10000 lb	1 13/16"	3/4"	1 1/4"	118	200
	2 9/16"	1"	1 5/8"	279	474		2 1/16"	3/4"	1 1/4"	118	200
	3 1/8"	1 1/8"	1 13/16"	401	686		2 9/16"	7/8"	1 7/16"	188	319
	4 1/16"	1 1/4"	2"	553	953		3 1/16"	1"	1 5/8"	279	474
	5 1/8"	1 1/2"	2 3/8"	962	1677		4 1/16"	1 1/8"	1 13/16"	401	686
	7 1/16"	1 3/8"	2 3/16"	739	1281		5 1/8"	1 1/8"	1 13/16"	401	686
	9"	1 5/8"	2 9/16"	1226	2146		7 1/16"	1 1/2"	2 3/8"	962	1677
	11"	1 7/8"	2 15/16"	1890	3332		9"	1 1/2"	2 3/8"	962	1677
	13 5/8"	1 5/8"	2 9/16"	1226	2146		11"	1 3/4"	2 3/4"	1534	2696
	16 3/4"	1 7/8"	2 15/16"	1890	3332		13 5/8"	1 7/8"	2 15/16"	1890	3332
	18 3/4"	2"	3 1/8"	2297	4061		16 3/4"	1 7/8"	2 15/16"	1890	3332
	21 1/4"	2"	3 1/8"	2297	4061		18 3/4"	2 1/4"	3 1/2"	3276	5822
					21 1/4"	2 1/2"	3 7/8"	4500	8030		

API Pressure Rating	Flange Size & Bore	Stud Size	Nut Size A.F.	API Torque		API Pressure Rating	Flange Size & Bore	Stud Size	Nut Size A.F.	API Torque		
				f = 0.07	f = 0.13					f = 0.07	f = 0.13	
15000 lb	1 13/16"	7/8"	1 7/16"	188	319	20000 lb	1 13/16"	1"	1 5/8"	279	474	
	2 1/16"	7/8"	1 7/16"	188	319		2 1/16"	1 1/8"	1 13/16"	401	686	
	2 9/16"	1"	1 5/8"	279	474		2 9/16"	1 1/4"	2"	553	953	
	3 1/16"	1 1/8"	1 13/16"	401	686		3 1/16"	1 3/8"	2 3/16"	739	1281	
	4 1/16"	1 3/8"	2 3/16"	739	1281		4 1/16"	1 3/4"	2 3/4"	1534	2696	
	5 1/8"	1 1/2"	2 3/8"	962	1677		7 1/16"	2"	3 1/8"	2297	4061	
	7 1/16"	1 1/2"	2 3/8"	962	1677		9"	2 1/2"	3 7/8"	4500	8030	
	9"	1 7/8"	2 15/16"	1890	3332		11"	2 3/4"	4 1/4"	5424	9712	
	11"	2"	3 1/8"	2297	4061		13 5/8"	3"	4 5/8"	7047	12654	
	13 5/8"	2 1/4"	3 1/2"	3276	5822							
	18 3/4"	3"	4 5/8"	7047	12654							