

American National Standard Flange SPECIFICATIONS				Torque Chart For ASTM A193 Grade B7 Studs In Ft./Lbs At 70% Of Yield					
150 lb									
PIPE SIZE	BOLT DIA.	# OF BOLTS	HEAVY HEX A/F	Moly Lube u=0.085	Nickel Lube u=0.110	Copper Lube u=0.100	Machine Oil u=0.160	Dry Torque u=0.400	Tool Model
1/2"	1/2"	4	7/8"						
3/4"	1/2"	4	7/8"						
1"	1/2"	4	7/8"						
1-1/4"	1/2"	4	7/8"						
1-1/2"	1/2"	4	7/8"						
2"	5/8"	4	1-1/16"						
2-1/2"	5/8"	4	1-1/16"						
3"	5/8"	4	1-1/16"						
3-1/2"	5/8"	8	1-1/16"						
4"	5/8"	8	1-1/16"						
5"	3/4"	8	1-1/4"	154	230	215	307	676	Stealth-2
6"	3/4"	8	1-1/4"	154	230	215	307	676	Stealth-2
8"	3/4"	8	1-1/4"	154	230	215	307	676	Stealth-2
10"	7/8"	12	1-7/16"	247	371	346	495	1088	Stealth-2
12"	7/8"	12	1-7/16"	247	371	346	495	1088	Stealth-2
14"	1"	12	1-5/8"	371	556	519	742	1632	Stealth-2
16"	1"	16	1-5/8"	371	556	519	742	1632	Stealth-2
18"	1-1/8"	16	1-13/16"	544	817	762	1089	2395	Stealth-2
20"	1-1/8"	20	1-13/16"	544	817	762	1089	2395	Stealth-2
24"	1-1/4"	20	2"	765	1148	1530	1530	3366	Stealth-2
26"	1-1/4"	24	2"	765	1148	1530	1530	3366	Stealth-2
28"	1-1/4"	28	2"	765	1148	1530	1530	3366	Stealth-2
30"	1-1/4"	28	2"	765	1148	1530	1530	3366	Stealth-2
32"	1-1/2"	28	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
34"	1-1/2"	32	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
36"	1-1/2"	32	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
38"	1-1/2"	32	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
40"	1-1/2"	36	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
42"	1-1/2"	36	2-3/8"	1370	2055	1918	2740	6028	Stealth-4

44"	1-1/2"	40	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
46"	1-1/2"	40	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
48"	1-1/2"	44	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
50"	1-3/4"	44	2-3/4"	2231	3346	3123	4461	9815	Stealth-4
52"	1-3/4"	44	2-3/4"	2231	3346	3123	4461	9815	Stealth-4
54"	1-3/4"	44	2-3/4"	2231	3346	3123	4461	9815	Stealth-4
56"	1-3/4"	48	2-3/4"	2231	3346	3123	4461	9815	Stealth-4
58"	1-3/4"	48	2-3/4"	2231	3346	3123	4461	9815	Stealth-4
60"	1-3/4"	52	2-3/4"	2231	3346	3123	4461	9815	Stealth-4