

American National Standard Flange SPECIFICATIONS				Torque Chart For ASTM A193 Grade B7 Studs In Ft./Lbs At <b>70% Of Yield</b>					
600 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"						
<b>3/4"</b>	<b>5/8"</b>	<b>4</b>	<b>1-1/16"</b>						
1"	5/8"	4	1-1/16"						
<b>1-1/4"</b>	<b>5/8"</b>	<b>4</b>	<b>1-1/16"</b>						
1-1/2"	3/4"	4	1-1/4"	154	230	215	307	676	Stealth-2
<b>2"</b>	<b>5/8"</b>	<b>8</b>	<b>1-1/16"</b>						
2-1/2"	3/4"	8	1-1/4"	154	230	215	307	676	Stealth-2
<b>3"</b>	<b>3/4"</b>	<b>8</b>	<b>1-1/4"</b>	<b>154</b>	<b>230</b>	<b>215</b>	<b>307</b>	<b>676</b>	<b>Stealth-2</b>
3-1/2"	N/A	N/A	N/A						Stealth-2
<b>4"</b>	<b>7/8"</b>	<b>8</b>	<b>1-7/16"</b>	<b>247</b>	<b>371</b>	<b>346</b>	<b>495</b>	<b>1088</b>	<b>Stealth-2</b>
5"	1"	8	1-5/8"	371	556	519	742	1632	Stealth-2
<b>6"</b>	<b>1"</b>	<b>12</b>	<b>1-5/8"</b>	<b>371</b>	<b>556</b>	<b>519</b>	<b>742</b>	<b>1632</b>	<b>Stealth-2</b>
8"	1-1/8"	12	1-13/16"	544	817	762	1089	2395	Stealth-2
<b>10"</b>	<b>1-1/4"</b>	<b>16</b>	<b>2"</b>	<b>765</b>	<b>1148</b>	<b>1530</b>	<b>1530</b>	<b>3366</b>	<b>Stealth-2</b>
12"	1-1/4"	20	2'	765	1148	1530	1530	3366	Stealth-2
<b>14"</b>	<b>1-3/8"</b>	<b>20</b>	<b>2-3/16"</b>	<b>901</b>	<b>1526</b>	<b>1400</b>	<b>2025</b>	<b>5149</b>	<b>Stealth-4</b>
16"	1-1/2"	20	2-3/8"	1370	2055	1918	2740	6028	Stealth-4
<b>18"</b>	<b>1-5/8"</b>	<b>20</b>	<b>2-9/16"</b>	<b>1766</b>	<b>2648</b>	<b>2472</b>	<b>3531</b>	<b>7768</b>	<b>Stealth-4</b>
20"	1-5/8"	24	2-9/16"	1766	2648	2472	3531	7768	Stealth-4
<b>24"</b>	<b>1-5/8"</b>	<b>24</b>	<b>2-9/16"</b>	<b>1766</b>	<b>2648</b>	<b>2472</b>	<b>3531</b>	<b>7768</b>	<b>Stealth-4</b>
26"	1-7/8"	28	2-15/16"	2771	4157	3879	5542	12193	Stealth-8
<b>28"</b>	<b>1-7/8"</b>	<b>28</b>	<b>3-1/8"</b>	<b>2771</b>	<b>4157</b>	<b>3879</b>	<b>5542</b>	<b>12193</b>	<b>Stealth-8</b>
30"	2"	28	3-1/8"	3392	5088	4749	6785	14926	Stealth-14
<b>32"</b>	<b>2"</b>	<b>28</b>	<b>3-1/2"</b>	<b>3392</b>	<b>5088</b>	<b>4749</b>	<b>6785</b>	<b>14926</b>	<b>Stealth-14</b>
34"	2-1/4"	28	3-1/2"	4900	6150	5740	8200	18040	Stealth-14
<b>36"</b>	<b>2-1/4"</b>	<b>28</b>	<b>3-7/8"</b>	<b>4900</b>	<b>6150</b>	<b>5740</b>	<b>8200</b>	<b>18040</b>	<b>Stealth-14</b>
38"	2-1/4"	28	3-1/2"	4900	6150	5740	8200	18040	Stealth-14
<b>40"</b>	<b>2-1/4"</b>	<b>32</b>	<b>3-1/2"</b>	<b>4900</b>	<b>6150</b>	<b>5740</b>	<b>8200</b>	<b>18040</b>	<b>Stealth-14</b>
42"	2-1/2"	28	3-7/8"	6151	9227	8612	12302	27065	Stealth-22

<b>44"</b>	<b>2-1/2"</b>	<b>32</b>	<b>3-7/8"</b>	<b>6151</b>	<b>9227</b>	<b>8612</b>	<b>12302</b>	<b>27065</b>	<b>Stealth-22</b>
46"	2-1/2"	32	3-7/8"	6151	9227	8612	12302	27065	Stealth-22
<b>48"</b>	<b>2-3/4"</b>	<b>32</b>	<b>4-1/4"</b>	<b>8263</b>	<b>12395</b>	<b>11569</b>	<b>16527</b>	<b>36359</b>	<b>Stealth-22</b>
50"	3"	28	4-5/8"	10811	16217	15136	21623	45570	Stealth-36
<b>52"</b>	<b>3"</b>	<b>32</b>	<b>4-5/8"</b>	<b>10811</b>	<b>16217</b>	<b>15136</b>	<b>21623</b>	<b>45570</b>	<b>Stealth-36</b>
54"	3"	32	4-5/8"	10811	16217	15136	21623	45570	Stealth-36
<b>56"</b>	<b>3-1/4"</b>	<b>32</b>	<b>5"</b>	<b>13835</b>	<b>20753</b>	<b>19369</b>	<b>27670</b>	<b>60875</b>	<b>Stealth-36</b>
58"	3-1/4"	32	5"	13835	20753	19369	27670	60875	Stealth-36
<b>60"</b>	<b>3-1/2"</b>	<b>28</b>	<b>5-3/8"</b>	<b>17376</b>	<b>26064</b>	<b>24327</b>	<b>34752</b>	<b>76455</b>	<b>Stealth-36</b>