

American National Standard Flange SPECIFICATIONS				Torque Chart For ASTM A193 Grade B7 Studs In Ft./Lbs At <b>70% Of Yield</b>					
900 lb				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
PIPE SIZE	BOLT DIA.	# OF BOLTS	HEAVY HEX A/F						
1/2"	3/4"	4	1-1/4"	154	230	215	307	676	Stealth-2
<b>3/4"</b>	<b>3/4"</b>	<b>4</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>
1"	7/8"	4	1-7/16"	247	371	346	495	1088	Stealth-2
<b>1-1/4"</b>	<b>7/8"</b>	<b>4</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>
1-1/2"	1"	4	1-5/8"	371	556	519	742	1632	Stealth-2
<b>2"</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>
2-1/2"	1"	8	1-5/8"	371	556	519	742	1632	Stealth-2
<b>3"</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>
3-1/2"	N/A	N/A	N/A						Stealth-2
<b>4"</b>	<b>1-1/8"</b>	<b>8</b>	<b>1-13/16"</b>	<b>544</b>	<b>817</b>	<b>762</b>	<b>1089</b>	<b>2395</b>	<b>Stealth-2</b>
5"	1-1/4"	8	2"	765	1148	1530	1530	3366	Stealth-2
<b>6"</b>	<b>1-1/8"</b>	<b>12</b>	<b>1-13/16"</b>	<b>491</b>	<b>819</b>	<b>753</b>	<b>1080</b>	<b>2721</b>	<b>Stealth-2</b>
8"	1-3/8"	12	2-3/16"	901	1526	1400	2025	5149	Stealth-4
<b>10"</b>	<b>1-3/8"</b>	<b>16</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>
12"	1-3/8"	20	2-3/16"	901	1526	1400	2025	5149	Stealth-4
<b>14"</b>	<b>1-1/2"</b>	<b>20</b>	<b>2-3/8"</b>	<b>1370</b>	<b>2055</b>	<b>1918</b>	<b>2740</b>	<b>6028</b>	<b>Stealth-4</b>
16"	1-5/8"	20	2-9/16"	1766	2648	2472	3531	7768	Stealth-4
<b>18"</b>	<b>1-7/8"</b>	<b>20</b>	<b>2-15/16"</b>	<b>2771</b>	<b>4157</b>	<b>3879</b>	<b>5542</b>	<b>12193</b>	<b>Stealth-8</b>
20"	2"	20	3-1/8"	3392	5088	4749	6785	14926	Stealth-8
<b>24"</b>	<b>2-1/2"</b>	<b>20</b>	<b>3-7/8"</b>	<b>6151</b>	<b>9227</b>	<b>8612</b>	<b>12302</b>	<b>27065</b>	<b>Stealth-14</b>
26"	2-3/4"	20	4-1/4"	8263	12395	11569	16527	36359	Stealth-22
<b>28"</b>	<b>3"</b>	<b>20</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>
30"	3"	20	4-5/8"	10811	16217	15136	21623	45570	Stealth-36
<b>32"</b>	<b>3-1/4"</b>	<b>20</b>	<b>5"</b>	<b>13835</b>	<b>20753</b>	<b>19369</b>	<b>27670</b>	<b>60875</b>	<b>Stealth-36</b>
34"	3-1/2"	20	5-3/8"	17376	26064	24327	34752	76455	Stealth-36
<b>36"</b>	<b>3-1/2"</b>	<b>20</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>
38"	3-1/2"	32	5-3/8"	17376	26064	24327	34752	76455	Stealth-36
<b>40"</b>	<b>3-1/2"</b>	<b>36</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>

42"	3-1/2"	36	5-3/8"	17376	26064	24327	34752	76455	Stealth-36
<b>44"</b>	<b>3-3/4"</b>	<b>40</b>	<b>5-3/4"</b>	<b>21475</b>	<b>32212</b>	<b>30065</b>	<b>42949</b>	<b>94484</b>	
46"	4"	40	6-1/8"	26172	41090	39258	52344	115156	
<b>48"</b>	<b>4"</b>	<b>44</b>	<b>6-1/8"</b>	<b>26172</b>	<b>41090</b>	<b>39258</b>	<b>52344</b>	<b>115156</b>	
50"	N/A	N/A	N/A						
<b>52"</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>						
54"	N/A	N/A	N/A						
<b>56"</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>						
58"	N/A	N/A	N/A						
<b>60"</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>						