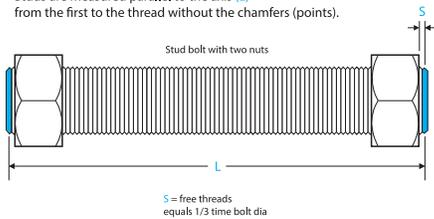
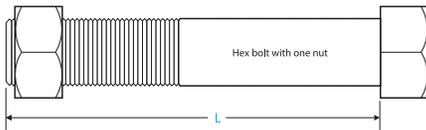


# FLANGE BOLTING CHART ASME B16.5

Studs are measured parallel to the axis (L) from the first to the thread without the chamfers (points).



Hex bolts are measured from under the head to the top of the bolt.



## Class 150

Nominal Pipe Size	No. of Studs	Diameter of Studs	Stud Bolt Length	Machine Hex Bolt Length
1/2"	4	1/2"	2-1/4"	2"
3/4"	4	1/2"	2-1/2"	2"
1"	4	1/2"	2-1/2"	2-1/4"
1-1/4"	4	1/2"	2-3/4"	2-1/4"
1-1/2"	4	1/2"	2-3/4"	2-1/2"
2"	4	5/8"	3-1/4"	2-3/4"
2-1/2"	4	5/8"	3-1/2"	3"
3"	4	5/8"	3-1/2"	3"
3-1/2"	8	5/8"	3-1/2"	3"
4"	8	5/8"	3-1/2"	3"
5"	8	3/4"	3-3/4"	3-1/4"
6"	8	3/4"	4"	3-1/4"
8"	8	7/8"	4-1/4"	3-1/2"
10"	12	7/8"	4-1/2"	4"
12"	12	7/8"	4-3/4"	4"
14"	12	1"	5-1/4"	4-1/2"
16"	16	1"	5-1/4"	4-1/2"
18"	16	1-1/8"	5-3/4"	5"
20"	20	1-1/8"	6-1/4"	5-1/2"
24"	20	1-1/4"	6-3/4"	6"