

DIMENSIONS OF STUD BOLTS FOR RAISED FACE (RF) ANSI B16.5 FLANGES

ANSI B16.5 Data Sheet

Standard Reference Notes:

- Dimensions in accordance with ASME/ANSI B16.5 standard.
- RF height 2mm (1/16") for Cl. 150/300 included in bolt lengths.
- Stud Bolt lengths (L) do not include height of points/chamfers.

CLASS 150, 300 & 600 FLANGES

NOMINAL PIPE SIZE		CLASS 150			CLASS 300			CLASS 600		
DN (MM)	NPS (IN)	NO. BOLTS	DIA. (IN)	LENGTH (MM)	NO. BOLTS	DIA. (IN)	LENGTH (MM)	NO. BOLTS	DIA. (IN)	LENGTH (MM)
15	1/2	4	1/2	60	4	1/2	65	4	1/2	80
20	3/4	4	1/2	65	4	5/8	75	4	5/8	90
25	1	4	1/2	65	4	5/8	80	4	5/8	90
32	1-1/4	4	1/2	70	4	5/8	80	4	5/8	100
40	1-1/2	4	1/2	70	4	3/4	90	4	3/4	105
50	2	4	5/8	80	8	5/8	90	8	5/8	105
65	2-1/2	4	5/8	90	8	3/4	100	8	3/4	120
80	3	4	5/8	90	8	3/4	110	8	3/4	125
100	4	8	5/8	90	8	3/4	110	8	7/8	140
125	5	8	3/4	90	8	3/4	120	8	7/8	145
150	6	8	3/4	100	12	3/4	125	12	1	170
200	8	8	3/4	110	12	7/8	140	12	1-1/8	195
250	10	12	7/8	115	16	1	155	16	1-1/4	215
300	12	12	7/8	120	16	1-1/8	170	20	1-1/4	220
350	14	12	1	130	20	1-1/8	175	20	1-3/8	235
400	16	16	1	135	20	1-1/4	190	20	1-1/2	255
450	18	16	1-1/8	150	24	1-1/4	195	20	1-5/8	275
500	20	20	1-1/8	160	24	1-1/4	205	24	1-5/8	290
600	24	20	1-1/4	175	24	1-1/2	230	24	1-7/8	330

CLASS 900, 1500 & 2500 FLANGES

NOMINAL PIPE SIZE		CLASS 900			CLASS 1500			CLASS 2500		
DN (MM)	NPS (IN)	NO. BOLTS	DIA. (IN)	LENGTH (MM)	NO. BOLTS	DIA. (IN)	LENGTH (MM)	NO. BOLTS	DIA. (IN)	LENGTH (MM)
15	1/2	4	3/4	105	4	3/4	105	4	3/4	125
20	3/4	4	3/4	115	4	3/4	115	4	3/4	125
25	1	4	7/8	125	4	7/8	125	4	7/8	140
32	1-1/4	4	7/8	125	4	7/8	125	4	1	150
40	1-1/2	4	1	140	4	1	140	4	1-1/8	170
50	2	8	7/8	145	8	7/8	145	8	1	175
65	2-1/2	8	1	160	8	1	160	8	1-1/8	195
80	3	8	7/8	145	8	1-1/8	180	8	1-1/4	220
100	4	8	1-1/8	170	8	1-1/4	195	8	1-1/2	255
125	5	8	1-1/4	190	8	1-1/2	250	8	1-3/4	300
150	6	12	1-1/8	195	12	1-3/8	260	8	2	345
200	8	12	1-3/8	220	12	1-5/8	290	12	2	380
250	10	16	1-3/8	235	12	1-7/8	335	12	2-1/2	485
300	12	20	1-3/8	255	16	2	375	12	2-3/4	540
350	14	20	1-1/2	275	16	2-1/4	405	-	-	-
400	16	20	1-5/8	285	16	2-1/2	445	-	-	-
450	18	20	1-7/8	325	16	2-3/4	495	-	-	-
500	20	20	2	345	16	3	540	-	-	-
600	24	20	2-1/2	435	16	3-1/2	615	-	-	-