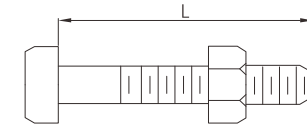


Hex bolt, nut and washer for ANSI flange connection



- Certificate: ISO
- Flange type: ASME B16.5, GB/T 9124.2, Class 150
- Material: Carbon steel or stainless steel
- Bolt type: Threaded full length, or threaded half length
- Surface: Electro-galvanized, hot dip galvanized, passivated, dacromet, or plain
- Temperature: Carbon steel -20 ~ 300°C, and SS -196 ~ 400°C

	Heavy hex bolt	Heavy hex nut	Plain washer
Standard	ASME B18.2.1, or GB/T 5782	ASME B18.2.2, or GB/T 6170	ASME B18.22.1, ASTM F844, or GB/T 97.2
Material	ASTM A307 (Gr. A and B), ASTM A3125 (Gr. A325 and A490), GB/T 3098.1 (Class 5.6 and 8.8), GB/T3098.6 (Gr. A2 and A4)	ASTM A563 Gr. A, ASTM A194 (Gr. 2H, 8 and 8M), GB/T 3098.2 (Class 6 and 8), GB/T3098.15 (Gr. A2 and A4)	ASTM F436, ASTM A36, ASTM A572, 200 HV, 300 HV, carbon steel, stainless steel
Mating flange	≤ Class 150 (PN20)	≤ Class 150 (PN20)	≤ Class 2500 (PN420)

Available size

Size			Flange bolting	Heavy hex bolt		Heavy hex nut	Plain washer	Ref. No.
NPS	DN	OD (mm)		Size	length (mm)			
1/2"	15	21.3	4 x 5/8"	1/2" (M14)	45 / 50	1/2" (M14)	1/2" (M14)	N9601
3/4"	20	26.7	4 x 5/8"	1/2" (M14)	45 / 50	1/2" (M14)	1/2" (M14)	N9602
1"	25	33.4	4 x 5/8"	1/2" (M14)	50 / 55	1/2" (M14)	1/2" (M14)	N9603
1-1/4"	32	42.2	4 x 5/8"	1/2" (M14)	50 / 55	1/2" (M14)	1/2" (M14)	N9604
1-1/2"	40	48.3	4 x 5/8"	1/2" (M14)	55 / 60	1/2" (M14)	1/2" (M14)	N9605
2"	50	60.3	4 x 3/4"	5/8" (M16)	60 / 65	5/8" (M16)	5/8" (M16)	N9606
2-1/2"	65	73.0	4 x 3/4"	5/8" (M16)	65 / 70	5/8" (M16)	5/8" (M16)	N9607
3"	80	88.9	4 x 3/4"	5/8" (M16)	70 / 75	5/8" (M16)	5/8" (M16)	N9608
4"	100	114.3	8 x 3/4"	5/8" (M16)	75 / 80	5/8" (M16)	5/8" (M16)	N9609
5"	125	141.3	8 x 7/8"	3/4" (M20)	75 / 80	3/4" (M20)	3/4" (M20)	N9610
6"	150	168.3	8 x 7/8"	3/4" (M20)	80 / 85	3/4" (M20)	3/4" (M20)	N9611
8"	200	219.1	8 x 7/8"	3/4" (M20)	85 / 90	3/4" (M20)	3/4" (M20)	N9612
10"	250	273.0	12 x 1"	7/8" (M24)	95 / 100	7/8" (M24)	7/8" (M24)	N9613
12"	300	323.8	12 x 1"	7/8" (M24)	95 / 100	7/8" (M24)	7/8" (M24)	N9614
14"	350	355.6	12 x 1-1/8"	1" (M27)	105 / 110	1" (M27)	1" (M27)	N9615

Hex bolt, nut and washer for ANSI flange connection

Available size

Size			Flange bolting	Heavy hex bolt		Heavy hex nut	Plain washer	Ref. No.
NPS	DN	OD (mm)		Size	length (mm)			
16"	400	406.4	16 x 1-1/8"	1" (M27)	110 / 115	1" (M27)	1" (M27)	N9616
18"	450	457	16 x 1-1/4"	1-1/8" (M30)	115 / 120	1-1/8" (M30)	1-1/8" (M30)	N9617
20"	500	508	20 x 1-1/4"	1-1/8" (M30)	130 / 135	1-1/8" (M30)	1-1/8" (M30)	N9618
24"	600	610	20 x 1-3/8"	1-1/4" (M33)	140 / 145	1-1/4" (M33)	1-1/4" (M33)	N9619

Note:

1. For heavy hex bolt, other length is also available as customer request.
2. Additional sizes, such as 1/4", 5/16", 3/8", 7/16", are available for heavy hex bolt, heavy hex nut, and plain washer as customer request.