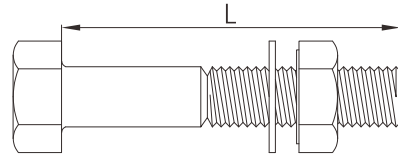


Heavy hex bolt, nut and washer for ANSI flange connection



- Certificate: ISO
- Flange type: ASME B16.5, ASME B16.1, ASME B16.42
- Material: Carbon steel or stainless steel
- Thread: UNC, Class 2A and 2B per ANSI B1.1
- Thread length: Partial thread / full thread
- Surface: CS, zinc electroplated / hot-dip galvanized / phosphated and oiled / Dacromet
SS, mill finish / passivated



Fastener set for flanged connection

Product	Heavy hex bolt x 1	Heavy hex nut x 1	Plain washer (flat) x 1
Standard	ASME B18.2.1, GB/T 5782	ASME B18.2.2, GB/T 6170	ASME B18.21.1, GB/T 97.2
Material (Carbon steel)	ASTM A307 Gr. A or B ASTM A449 ASTM A193 Gr. B7 or B16	ASTM A563 Gr. A or B or DH ASTM A563 Gr. DH or ASTM A194 Gr. 2 ASTM A194 Gr. 2H	ASTM F844 / ASTM F436 Type 1 ASTM F436 Type 1 ASTM F436 Type 1
Material (Stainless steel)	ASTM A193 Gr. B8 (304) ASTM A193 Gr. B8M (316)	ASTM A194 Gr. 8 (304) ASTM A194 Gr. 8M (316)	Stainless Steel 304 Stainless Steel 316
Mating flange	CS and SS: Class 150 & 300 Cast iron: Class 125 & 250	CS and SS: Class 150 & 300 Cast iron: Class 125 & 250	CS and SS: Class 150 & 300 Cast iron: Class 125 & 250

Available size

Size			Flange bolting	Heavy hex bolt		Heavy hex nut	Plain washer	Ref. No.
NPS	DN	OD (mm)		Size	L (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

Heavy 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	L (mm)			
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
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: Other lengths for heavy hex bolts and additional imperial sizes (such as 1/4", 5/16", 3/8", and 7/16") are available upon request.