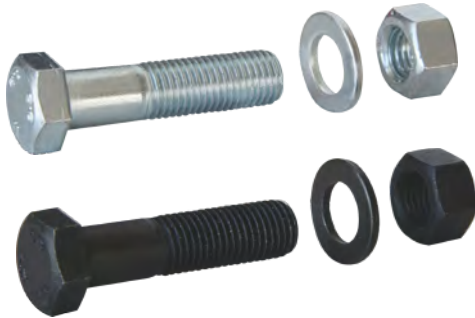
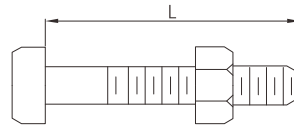


Hex bolt, nut and washer for EN flange connection



- Certificate: ISO
- Flange type: EN 1092-1, GB/T 9124.1, PN 16 / PN 10
- 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	EN ISO 4014, or GB/T 5782	EN ISO 4032, or GB/T 6170	GB/T 97.2
Material	GB/T 3098.1 class 8.8, EN ISO 898-1 class 8.8, AISI 304, AISI 316L	GB/T 3098.2 class 8, EN 20898-2 class 8, AISI 304, AISI 316L	200 HV, 300 HV, carbon steel, stainless steel

Available size for pipe flange PN 16

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 14	M12	50	M12	M12	NE4601-PN16
3/4"	20	26.9	4 x 14	M12	55	M12	M12	NE4602-PN16
1"	25	33.7	4 x 14	M12	55	M12	M12	NE4603-PN16
1-1/4"	32	42.4	4 x 18	M16	60	M16	M16	NE4604-PN16
1-1/2"	40	48.3	4 x 18	M16	60	M16	M16	NE4605-PN16
2"	50	60.3	4 x 18	M16	60	M16	M16	NE4606-PN16
2-1/2"	65	76.1	8 (4) x 18	M16	60	M16	M16	NE4607-PN16
3"	80	88.9	8 x 18	M16	65	M16	M16	NE4608-PN16
4"	100	114.3	8 x 18	M16	65	M16	M16	NE4609-PN16
5"	125	139.7	8 x 18	M16	70	M16	M16	NE4610-PN16
6"	150	165.1 / 168.3	8 x 22	M20	75	M20	M20	NE4611-PN16
8"	200	219.1	12 x 22	M20	80	M20	M20	NE4612-PN16
10"	250	273.0	12 x 26	M24	85	M24	M24	NE4613-PN16
12"	300	323.9	12 x 26	M24	90	M24	M24	NE4614-PN16
14"	350	355.6	16 x 26	M24	95	M24	M24	NE4615-PN16
16"	400	406.4	16 x 30	M27	100	M27	M27	NE4616-PN16
18"	450	457	20 x 30	M27	120	M27	M27	NE4617-PN16
20"	500	508	20 x 33	M30	130	M30	M30	NE4618-PN16
24"	600	610	20 x 36	M33	155	M33	M33	NE4619-PN16

Note:

1. For heavy hex bolt, other length is also available as customer request.
2. Additional sizes, such as M6, M8, M10, are available for heavy hex bolt, heavy hex nut, and plain washer as customer request.

Hex bolt, nut and washer for EN flange connection

Available size for pipe flange PN 10

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 14	M12	50	M12	M12	NE4601-PN10
3/4"	20	26.9	4 x 14	M12	55	M12	M12	NE4602-PN10
1"	25	33.7	4 x 14	M12	55	M12	M12	NE4603-PN10
1-1/4"	32	42.4	4 x 18	M16	60	M16	M16	NE4604-PN10
1-1/2"	40	48.3	4 x 18	M16	60	M16	M16	NE4605-PN10
2"	50	60.3	4 x 18	M16	60	M16	M16	NE4606-PN10
2-1/2"	65	76.1	8 (4) x 18	M16	60	M16	M16	NE4607-PN10
3"	80	88.9	8 x 18	M16	65	M16	M16	NE4608-PN10
4"	100	114.3	8 x 18	M16	65	M16	M16	NE4609-PN10
5"	125	139.7	8 x 18	M16	70	M16	M16	NE4610-PN10
6"	150	165.1 / 168.3	8 x 22	M20	75	M20	M20	NE4611-PN10
8"	200	219.1	8 x 22	M20	80	M20	M20	NE4612-PN10
10"	250	273.0	12 x 22	M20	80	M20	M20	NE4613-PN10
12"	300	323.9	12 x 22	M20	80	M20	M20	NE4614-PN10
14"	350	355.6	16 x 22	M20	80	M20	M20	NE4615-PN10
16"	400	406.4	16 x 26	M24	85	M24	M24	NE4616-PN10
18"	450	457	20 x 26	M24	90	M24	M24	NE4617-PN10
20"	500	508	20 x 26	M24	90	M24	M24	NE4618-PN10
24"	600	610	20 x 30	M27	95	M27	M27	NE4619-PN10

Note:

1. For heavy hex bolt, other length is also available as customer request.
2. Additional sizes, such as M6, M8, M10, are available for heavy hex bolt, heavy hex nut, and plain washer as customer request.