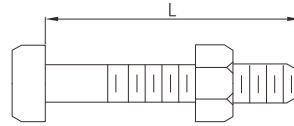


## Hex bolt, nut and washer for EN flange connection



- 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



	Hexagon head bolt	Heavy hexagon nut	Plain washer
<b>Standard</b>	EN ISO 4014, or GB/T 5782	EN ISO 4032, or GB/T 6170	GB/T 97.2
<b>Material</b>	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	Hexagon head bolt		Hexagon 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:** For hexagon head bolt, other length is also available as customer request.

## Hex bolt, nut and washer for EN flange connection

### Available size for pipe flange PN 10

Size			Flange bolting	Hexagon head bolt		Hexagon 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:** For hexagon head bolt, other length is also available as customer request.