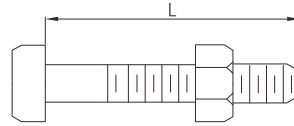


Hex bolt, nut and washer for EN flange connection



- 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 galvanized, passivated, or plain
- Temperature: Carbon steel -20 ~ 300°C, and SS -196 ~ 400°C



| | Hexagon head bolt | Heavy hexagon 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 | 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.