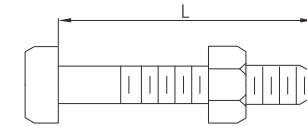


Hex bolt, nut and washer for ANSI flange connection



- 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: For heavy hexagon bolt, other length is also available as customer request.