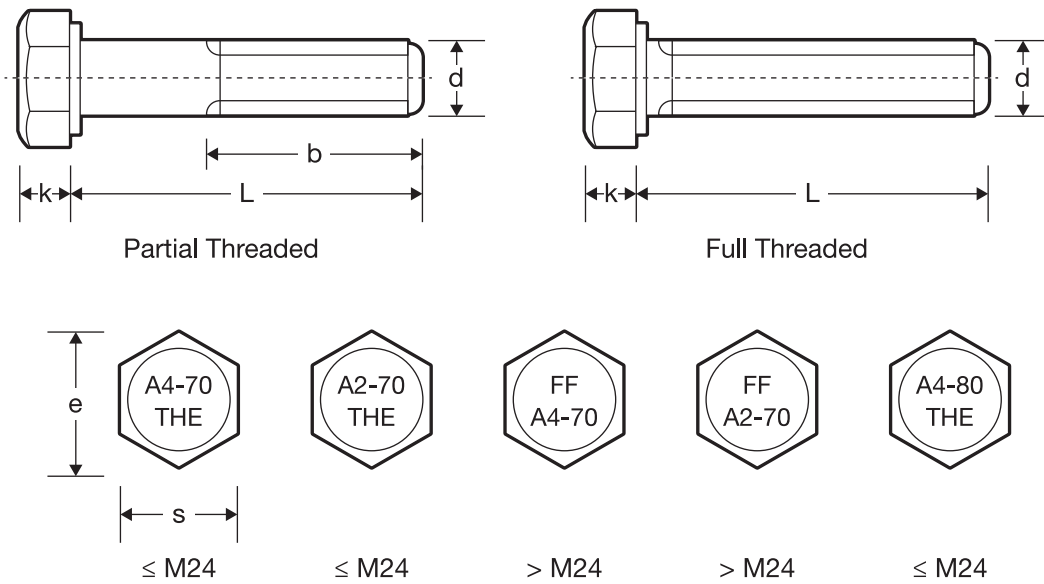


# Hexagon Head Bolt (Stainless Steel)



**Material Standard:** BS EN ISO 3506-1:2009


**Material Grade:**

|  | Material Grade | Items No: Partial Threaded | Full Threaded |
|--|----------------|----------------------------|---------------|
|  | A2-70 (304)    | 412                        | 402           |
|  | A4-70 (316)    | 411                        | 401           |
|  | A4-80 (316)    | 431                        | 421           |

## A4-70 Hex. Bolt (Partial Threaded)

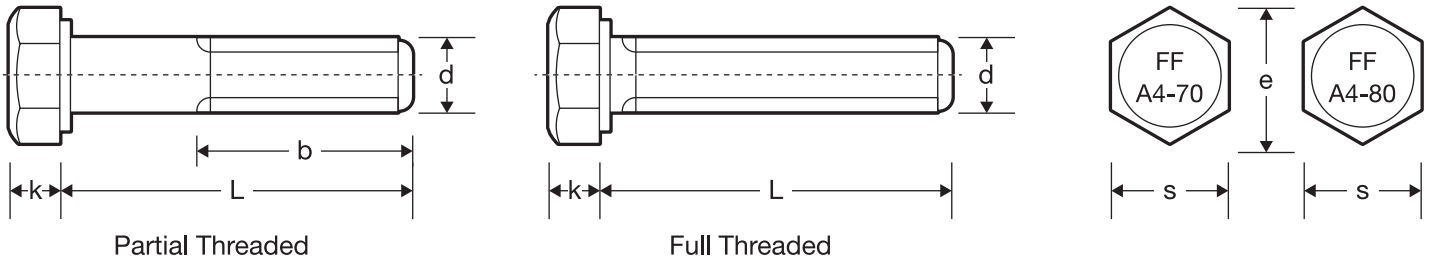
### Ordering Example



| d (diameter)   | M6            | M8             | M10            | M12            | M16            | M20            | M22            | M24            | M27            | M30            | M33            | M36            | M39            | M42            | M45            |
|--|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Thread Pitch / mm  | 1.00          | 1.25           | 1.50           | 1.75           | 2.00           | 2.50           | 2.50           | 3.00           | 3.00           | 3.50           | 3.50           | 4.00           | 4.00           | 4.50           | 4.50           |
| b (L ≤ 125) / mm   | 18.00         | 22.00          | 26.00          | 30.00          | 38.00          | 46.00          | 50.00          | 54.00          | 60.00          | 66.00          | 72.00          | 78.00          | 84.00          | 90.00          | 96.00          |
| b (125 < L ≤ 200) / mm   | 24.00         | 28.00          | 32.00          | 36.00          | 44.00          | 52.00          | 56.00          | 60.00          | 66.00          | 72.00          | 78.00          | 84.00          | 90.00          | 96.00          | 102.00         |
| b (L > 200) / mm   | -             | -              | 45.00          | 49.00          | 57.00          | 65.00          | 69.00          | 73.00          | 79.00          | 85.00          | 91.00          | 97.00          | 103.00         | 109.00         | 115.00         |
| k (Head height) / mm   | 3.85<br>4.15  | 5.15<br>5.45   | 6.22<br>6.58   | 7.32<br>7.68   | 9.82<br>10.18  | 12.28<br>12.72 | 13.78<br>14.22 | 14.78<br>15.22 | 16.65<br>17.35 | 18.28<br>19.12 | 20.58<br>21.42 | 22.08<br>22.92 | 24.58<br>25.42 | 25.58<br>26.42 | 27.58<br>28.42 |
| s (width across flats) / mm  | 9.78<br>10.00 | 12.73<br>13.00 | 16.73<br>17.00 | 18.67<br>19.00 | 23.67<br>24.00 | 29.67<br>30.00 | 31.61<br>32.00 | 35.38<br>36.00 | 40.00<br>41.00 | 45.00<br>46.00 | 49.00<br>50.00 | 53.80<br>55.00 | 58.80<br>60.00 | 63.10<br>65.00 | 68.10<br>70.00 |
| e (width across corners) / mm  | 11.05         | 14.38          | 18.90          | 21.10          | 26.75          | 33.53          | 35.72          | 39.98          | 45.20          | 50.85          | 55.37          | 60.79          | 66.44          | 71.30          | 76.95          |
| Wrench size for Hex. Head Bolt  | #10           | #13            | #17            | #19            | #24            | #30            | #32            | #36            | #41            | #46            | #50            | #55            | #60            | #65            | #70            |

Unit in mm

## Hexagon Head Bolt BS 3692 (Stainless Steel)



**Material Standard:** BS EN ISO 3506-1:2009

**Specification:** BS 3692:2001

**Material Grade:** A4-70 (316)

**Items No:** Partial Threaded Full Threaded

451 441


A4-80 (316)

471 461

### BS3692 A4-80 Hex. Bolt (Partial Threaded)

#### Ordering Example

| Item No | Diameter | Length  |
|---------|----------|---------|
| 4 7 1   | 0 1 6    | 0 0 7 5 |

| d (diameter)   | M6            | M8            | M10           | M12           | M16           | M20              | M22              | M24              | M27              | M30            | M33            | M36            | M39            | M42            |
|--|---------------|---------------|---------------|---------------|---------------|------------------|------------------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|
| Thread Pitch / mm  | 1.00          | 1.25          | 1.50          | 1.75          | 2.00          | 2.50             | 2.50             | 3.00             | 3.00             | 3.50           | 3.50           | 4.00           | 4.00           | 4.50           |
| b (L ≤ 125) / mm   | 18.00         | 22.00         | 26.00         | 30.00         | 38.00         | 46.00            | 50.00            | 54.00            | 60.00            | 66.00          | 72.00          | 78.00          | 84.00          | 90.00          |
| b (125 < L ≤ 200) / mm   | -             | -             | 32.00         | 36.00         | 44.00         | 52.00            | 56.00            | 60.00            | 66.00            | 72.00          | 78.00          | 84.00          | 90.00          | 96.00          |
| b (L > 200) / mm   | -             | -             | -             | -             | 57.00         | 65.00            | 69.00            | 73.00            | 79.00            | 85.00          | 91.00          | 97.00          | 103.00         | 109.00         |
| k (Head height) / mm   | 3.85<br>4.15  | 5.35<br>5.65  | 6.82<br>7.18  | 7.82<br>8.18  | 9.82<br>10.18 | 12.785<br>13.215 | 13.785<br>14.215 | 14.785<br>15.215 | 16.785<br>17.215 | 18.74<br>19.26 | 20.74<br>21.26 | 22.74<br>23.26 | 24.74<br>25.26 | 25.74<br>26.26 |
| s (width across flats) / mm  | 9.78<br>10.0  | 12.73<br>13.0 | 16.73<br>17.0 | 18.67<br>19.0 | 23.67<br>24.0 | 29.67<br>30.0    | 31.61<br>32.0    | 35.38<br>36.0    | 40.38<br>41.0    | 45.38<br>46.0  | 49.38<br>50.0  | 54.26<br>55.0  | 59.26<br>60.0  | 64.26<br>65.0  |
| e (width across corners) / mm  | 11.05<br>11.5 | 14.38<br>15.0 | 18.9<br>19.6  | 21.1<br>21.9  | 26.75<br>27.7 | 33.53<br>34.6    | 35.72<br>36.9    | 39.98<br>41.6    | 45.63<br>47.3    | 51.28<br>53.1  | 55.8<br>57.7   | 61.31<br>63.5  | 66.96<br>69.3  | 72.61<br>75.1  |
| Wrench size for Hex. Head Bolt  | #10           | #13           | #17           | #19           | #24           | #30              | #32              | #36              | #41              | #46            | #50            | #55            | #60            | #65            |