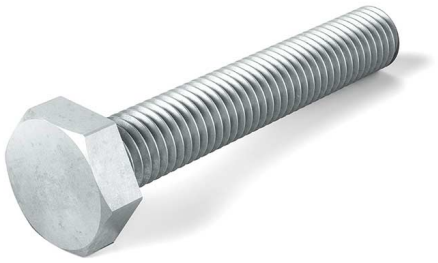
**ISO 4017** similar to DIN 933

# Hexagon head bolts

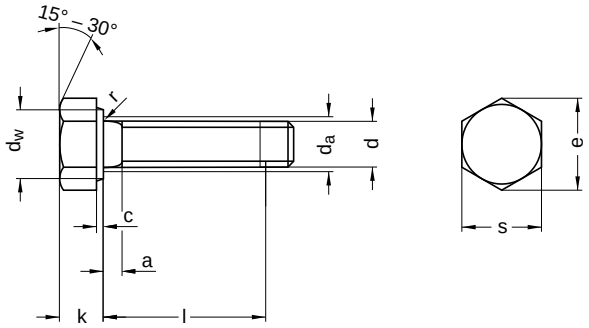
**Hexagon head | fully threaded**



Steel 8.8 | Geomet | Cr(VI)-free | Metric thread

Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22

There is a separation into product classes A and B, with the data sheet showing the largest range of values. For more information, see the technical details of the selected article.




| Diameter (d) | Tool size | a min. | a max. | c min. | c max. | $d_a$ max. | $d_w$ min. | e min. | k nominal size | k min. | k max. | r min. | s max. | s min. | Pitch (P) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10 | SW 16 | 1.50 | 4.5 | 0.15 | 0.6 | 11.2 | 14.47 | 17.59 | 6.4 | 6.11 | 6.69 | 0.4 | 16 | 15.57 | 1.50 |
| M12 | SW 18 | 1.75 | 5.3 | 0.15 | 0.6 | 13.7 | 16.47 | 19.85 | 7.5 | 7.21 | 7.79 | 0.6 | 18 | 17.57 | 1.75 |

| Length (l) | | |
|---|---|---|
| nominal size | min. | max. |
| 16 | 15.65 | 16.35 |
| 20 | 18.95 | 21.05 |

| Length (l) | | |
|---|---|---|
| nominal size | min. | max. |
| 30 | 28.95 | 31.05 |
| 40 | 38.75 | 41.25 |
| 45 | 43.75 | 46.25 |

| Diameter (d) | Length (l) 16 | 20 | 30 | 40 | 45 |
|---|---|---|---|---|---|
| M10 | ● | ● | ● | ● | |
| M12 | | | | ● | ● |

All technical data refer to the measure mm



All technical data without obligation. Subject to technical changes and errors.