**ISO 4017** similar to DIN 933

# Hexagon head bolts

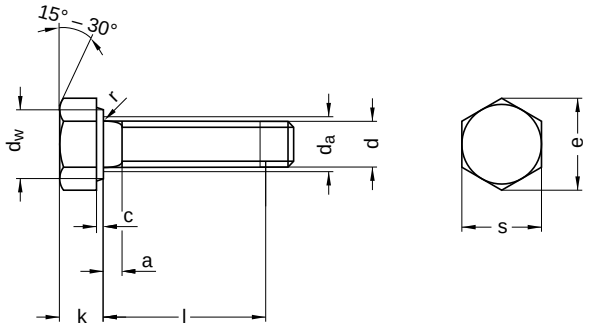
**Hexagon head | fully threaded**



Stainless steel A4 | 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22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 |
| M14 | SW 21 | 2.00 | 6.0 | 0.15 | 0.6 | 15.7 | 19.15 | 22.78 | 8.8 | 8.51 | 9.09 | 0.6 | 21 | 20.16 | 2.00 |

| Length (l) | | |
|---|---|---|
| nominal size | min. | max. |
| 12 | 11.65 | 12.35 |
| 14 | 13.65 | 14.35 |
| 16 | 15.65 | 16.35 |
| 18 | 17.65 | 18.35 |
| 20 | 18.95 | 21.05 |
| 22 | 20.95 | 23.05 |
| 25 | 23.95 | 26.05 |
| 30 | 28.95 | 31.05 |

| Length (l) | | |
|---|---|---|
| nominal size | min. | max. |
| 35 | 33.75 | 36.25 |
| 40 | 38.75 | 41.25 |
| 45 | 43.75 | 46.25 |
| 50 | 48.75 | 51.25 |
| 55 | 53.50 | 56.50 |
| 60 | 58.50 | 61.50 |
| 65 | 63.50 | 66.25 |
| | | 66.50 |

| Length (l) | | |
|---|---|---|
| nominal size | min. | max. |
| 70 | 68.50 | 71.50 |
| 75 | 73.50 | 76.50 |
| 80 | 78.50 | 81.25 |
| | | 81.50 |
| 90 | 88.25 | 91.75 |
| 100 | 98.25 | 101.75 |

All technical data refer to the measure mm



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

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# Hexagon head bolts

**Hexagon head | fully threaded**

Stainless steel A4 | Cr(VI)-free | Metric thread

| Diameter | Length (l) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (d) | 12 | 14 | 16 | 18 | 20 | 22 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 90 | 100 |
| M10 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | ● |
| M12 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| M14 | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | |

All technical data refer to the measure mm


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