

DIN 933 similar to ISO 4017

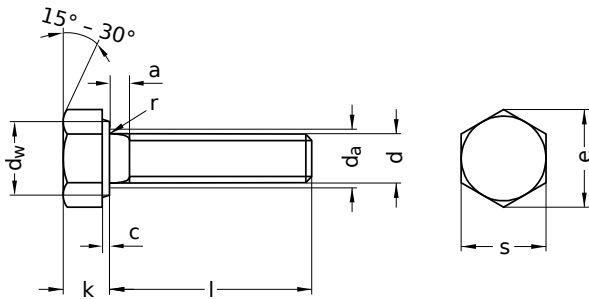
Hexagon head bolts

Hexagon head | external hex | fully threaded

Steel 10.9 | zinc flake coating | Cr(VI)-free | Metric thread

Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread

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) | a | | c | | d _a | d _w | e | k | | | r | s | | Pitch (P) | Tool size |
|-----------------|------|------|------|------|----------------|----------------|--------------|-------|-------|------|------|-------|------|--------------|--------------|
| | max. | min. | max. | max. | min. | min. | nominal size | min. | max. | min. | max. | min. | | | |
| M8 | 3.75 | 0.15 | 0.6 | 9.2 | 11.4 | 14.20 | 5.3 | 5.06 | 5.54 | 0.4 | 13 | 12.57 | 1.25 | SW 13 | |
| M10 | 4.50 | 0.15 | 0.6 | 11.2 | 15.4 | 18.72 | 6.4 | 6.11 | 6.69 | 0.4 | 17 | 16.57 | 1.50 | SW 17 | |
| M12 | 5.25 | 0.15 | 0.6 | 13.7 | 17.2 | 20.88 | 7.5 | 7.21 | 7.79 | 0.6 | 19 | 18.48 | 1.75 | SW 19 | |
| M14 | 6.00 | 0.15 | 0.6 | 15.7 | 20.1 | 23.91 | 8.8 | 8.51 | 9.09 | 0.6 | 22 | 21.16 | 2.00 | SW 22 | |
| M16 | 6.00 | 0.20 | 0.8 | 17.7 | 22.0 | 26.17 | 10.0 | 9.71 | 10.29 | 0.6 | 24 | 23.16 | 2.00 | SW 24 | |
| M20 | 7.50 | 0.20 | 0.8 | 22.4 | 27.7 | 32.95 | 12.5 | 12.15 | 12.85 | 0.8 | 30 | 29.16 | 2.50 | SW 30 | |

| nominal size | Length (l) | |
|--------------|------------|-------|
| | min. | max. |
| 16 | 15.65 | 16.35 |
| 20 | 19.58 | 20.42 |
| 25 | 23.95 | 26.05 |
| 30 | 28.95 | 31.05 |
| 35 | 33.75 | 36.25 |
| 40 | 38.75 | 41.25 |

| nominal size | Length (l) | |
|--------------|------------|-------|
| | min. | max. |
| 45 | 43.75 | 46.25 |
| 50 | 48.75 | 51.25 |
| 55 | 53.50 | 56.50 |
| 60 | 58.50 | 61.50 |
| 65 | 38.75 | 41.25 |
| 70 | 68.50 | 71.50 |

All technical data refer to the measure mm



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| Diameter (d) | Length (l) | | | | | | | | | | | |
|-----------------|------------|----|----|----|----|----|----|----|----|----|----|----|
| | 16 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| M8 | ● | ● | ● | ● | ● | | | | | ● | | |
| M10 | | ● | ● | ● | ● | ● | | ● | | ● | | |
| M12 | | | ● | ● | ● | ● | ● | ● | | ● | | |
| M14 | | | ● | | | | | | | | | |
| M16 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| M20 | | | | | | | | ● | ● | ● | | ● |

• Combinations available in the eShop | Other sizes on request

All technical data refer to the measure mm

