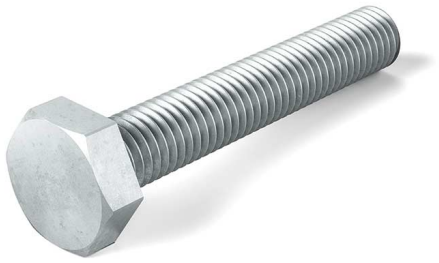
DIN 933 similar to ISO 4017

Hexagon head bolts

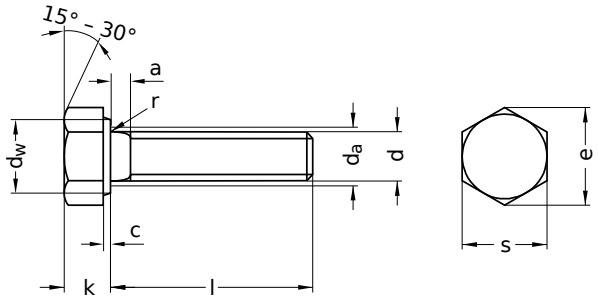
Hexagon head | external hex | fully threaded



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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread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)	Tool size	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)
M8	SW 13	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
M10	SW 17	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
M12	SW 19	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
M16	SW 24	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
M20	SW 30	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

Length (l)		
nominal size	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

Length (l)		
nominal size	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

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

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

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

All technical data refer to the measure mm

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