DIN 931 similar to ISO 4014

Hexagon head bolts

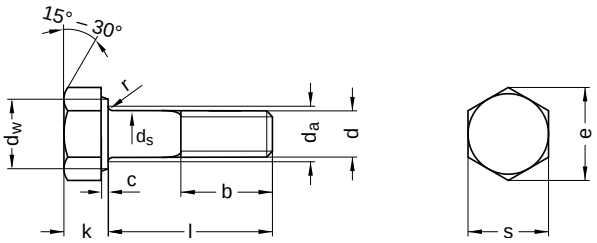
Hexagon head | external hex | with body



Steel 8.8 | zinc-plated, thick-film passivated (VZD) | 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread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	b			c		d_a	d_s
		l up to 125	l up to 200	l longer than 200	min.	max.	max.	max.
M10	SW 17	26	32	45	0.15	0.6	11.2	10
M12	SW 19	30	36	49	0.15	0.6	13.7	12

Diameter (d)	d_w	e	k		r	s		Pitch
	min.	min.	min.	max.	min.	min.	max.	(P)
M10	14.47	17.59	6.11	6.69	0.4	16.73	17	1.50
M12	16.47	19.85	7.21	7.79	0.6	18.67	19	1.75

Length (l)		
nominal size	min.	max.
40	39.50	40.50
45	44.50	45.50
50	49.50	50.50
55	54.40	55.60
60	59.40	60.60
65	64.40	65.60
70	69.40	70.60
75	74.40	75.60

Length (l)		
nominal size	min.	max.
80	79.40	80.60
85	84.30	85.70
90	89.30	90.70
100	99.30	100.70
110	108.25	111.75
120	118.25	121.75
130	128.00	132.00
140	138.00	142.00

Length (l)		
nominal size	min.	max.
150	148.00	152.00
160	158.00	162.00
170	168.00	172.00
200	197.70	202.30

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 | external hex | with body

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Diameter	Length (l)																		
(d)	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	140	150	160	170	200
M10	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●		
M12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

All technical data refer to the measure mm

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