DIN 931 similar to ISO 4014

Hexagon head bolts

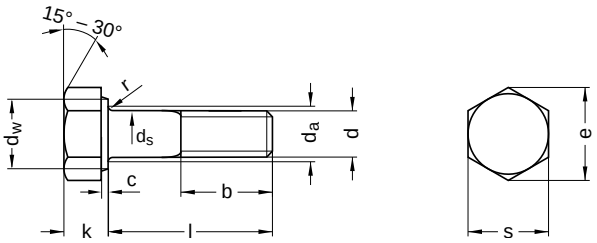
Hexagon head | external hex | with body



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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread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	b			c		d_a	d_s
		l up to 125	l up to 200	l longer than 200	min.	max.	max.	max.
M8	SW 13	22	28	41	0.15	0.6	9.2	8
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
M16	SW 24	38	44	57	0.20	0.8	17.7	16
M20	SW 30	46	52	65	0.20	0.8	22.4	20

Diameter (d)	d_w	e	k		r	s		Pitch
	min.	min.	min.	max.	min.	max.	min.	(P)
M8	11.47	14.20	5.06	5.54	0.4	13	12.57	1.25
M10	14.47	17.59	6.11	6.69	0.4	17	16.73	1.50
M12	16.47	19.85	7.21	7.79	0.6	19	18.67	1.75
M16	22.00	26.17	9.71	10.29	0.6	24	23.16	2.00
M20	27.70	32.95	12.15	12.85	0.8	30	29.16	2.50

All technical data refer to the measure mm

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

DIN 931 similar to ISO 4014

Hexagon head bolts

Hexagon head | external hex | with body

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

Length (l)		
nominal size	min.	max.
40	39.5	40.5
45	44.5	45.5
50	49.5	50.5
60	59.4	60.6
70	69.4	70.6
75	74.4	75.6
80	79.4	80.6
90	89.3	90.7

Length (l)		
nominal size	min.	max.
100	99.3	100.7
110	109.3	110.7
120	119.3	120.7
130	128.0	132.0
140	139.2	140.8
150	149.2	150.8
160	158.0	162.0

Diameter	Length (l)														
(d)	40	45	50	60	70	75	80	90	100	110	120	130	140	150	160
M8	●		●												
M10			●												
M12		●	●	●	●	●	●	●	●	●	●	●			
M16				●	●		●	●	●	●					
M20							●	●	●	●	●		●	●	●

All technical data refer to the measure mm

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