DIN 960 similar to ISO 8765

Hexagon head bolts

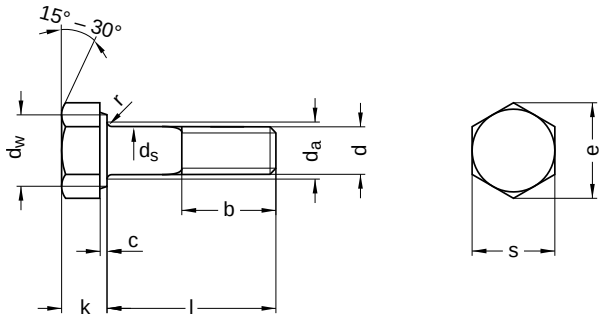
Hexagon head | with body



Steel 10.9 | bright | Cr(VI)-free | Metric fine 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22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	b			c		d_a	d_w
		l up to 125	l up to 200	l longer than 200	min.	max.	max.	min.
M10 x 1	SW 17	28	32	45	0.15	0.6	11.2	15.4
M10 x 1.25	SW 17	28	32	45	0.15	0.6	11.2	15.4
M12 x 1.5	SW 19	30	38	49	0.15	0.6	13.7	17.2
M14 x 1.5	SW 22	34	40	53	0.15	0.6	15.7	20.1
M16 x 1.5	SW 24	38	44	57	0.20	0.8	17.7	22.0
M18 x 1.5	SW 27	42	48	61	0.20	0.8	20.2	24.8
M20 x 1.5	SW 30	48	52	65	0.20	0.8	22.4	27.7

Diameter (d)	e	k			r	s		Pitch
	min.	nominal size	min.	max.	min.	nominal size	min.	(P)
M10 x 1	18.72	6.4	6.11	6.60	0.4	17	16.57	1.00
M10 x 1.25	18.72	6.4	6.11	6.60	0.4	17	16.57	1.25
M12 x 1.5	20.88	7.5	7.21	7.70	0.6	19	18.48	1.50
M14 x 1.5	23.91	8.8	8.51	9.09	0.6	22	21.16	1.50
M16 x 1.5	26.17	10.0	9.71	10.29	0.6	24	23.16	1.50
M18 x 1.5	29.56	11.5	11.15	77.85	0.8	27	26.16	1.50
M20 x 1.5	32.95	12.5	12.15	12.85	0.8	30	29.16	1.50

All technical data refer to the measure mm

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

DIN 960 similar to ISO 8765

Hexagon head bolts

Hexagon head | with body

Steel 10.9 | bright | Cr(VI)-free | Metric fine thread

Length (l)		
nominal size	min.	max.
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

Length (l)		
nominal size	min.	max.
75	74.40	75.60
80	79.40	80.60
90	88.25	91.75
100	98.25	101.75
110	108.25	111.75
120	118.25	121.75

Length (l)		
nominal size	min.	max.
140	138.00	142.00
150	148.00	152.00
160	158.00	162.00

Diameter	Length (l)														
(d)	45	50	55	60	65	70	75	80	90	100	110	120	140	150	160
M10 x 1			●	●		●									
M10 x 1.25	●	●		●		●									
M12 x 1.5	●	●	●	●	●	●	●	●	●	●		●	●		
M14 x 1.5			●	●		●	●	●	●	●	●	●			
M16 x 1.5				●	●	●	●	●	●	●	●	●	●		●
M18 x 1.5					●	●									
M20 x 1.5					●	●	●	●	●	●	●	●	●	●	

All technical data refer to the measure mm

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