DIN 961 similar to ISO 8676

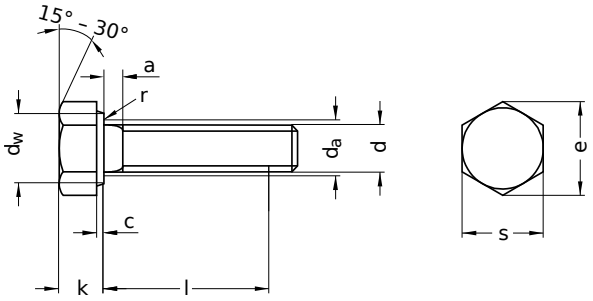
Hexagon head bolts

Hexagon head | fully threaded



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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22



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 x 1	SW 13	3.00	0.15	0.6	9.2	11.4	14.20	5.3	5.06	5.54	0.4	13	12.57	1.00
M10 x 1	SW 17	3.75	0.15	0.6	11.2	15.4	18.72	6.4	6.11	6.69	0.4	17	16.57	1.00
M10 x 1.25	SW 17	3.75	0.15	0.6	11.2	15.4	18.72	6.4	6.11	6.69	0.4	17	16.57	1.25
M10 x 1.25	SW 17	3.75	0.15	0.6	11.2	15.4	18.72	6.4	6.11	6.69	0.4	17	16.57	1.25
M12 x 1.25	SW 19	4.50	0.15	0.6	13.7	17.2	20.88	7.5	7.21	7.79	0.6	19	18.48	1.25
M12 x 1.25	SW 19	4.50	0.15	0.6	13.7	17.2	20.88	7.5	7.21	7.79	0.6	19	18.48	1.25
M12 x 1.5	SW 19	4.50	0.15	0.6	13.7	17.2	20.88	7.5	7.21	7.79	0.6	19	18.48	1.50
M14 x 1.5	SW 22	4.50	0.15	0.6	15.7	20.1	23.91	8.8	8.51	9.09	0.6	22	21.16	1.50
M16 x 1.5	SW 24	4.50	0.20	0.8	17.7	22.0	26.17	10.0	9.71	10.29	0.6	24	23.16	1.50
M18 x 1.5	SW 27	6.00	0.20	0.8	20.2	24.8	29.56	11.5	11.15	11.85	0.6	27	26.16	1.50
M18 x 1.5	SW 27	6.00	0.20	0.8	20.2	24.8	29.56	11.5	11.15	11.85	0.6	27	26.16	1.50
M20 x 1.5	SW 30	6.00	0.20	0.8	22.4	27.7	32.95	12.5	12.15	12.85	0.8	30	29.16	1.50
M24 x 2	SW 36	6.00	0.20	0.8	26.4	33.2	39.55	15.0	14.65	15.35	0.8	36	35.00	2.00

Length (l)		
nominal size	min.	max.
20	19.58	20.42
25	24.58	25.42
30	29.58	30.42
35	34.50	35.50
40	39.50	40.50
45	44.50	45.50

Length (l)		
nominal size	min.	max.
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
80	79.40	80.60

Length (l)		
nominal size	min.	max.
90	88.25	91.75
100	98.25	101.75

All technical data refer to the measure mm

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

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Diameter (d)	Length (l)													
	20	25	30	35	40	45	50	55	60	65	70	80	90	100
M8 x 1	●				●									
M10 x 1	●	●	●	●	●	●	●							
M10 x 1.25	●													
M10 x 1.25			●	●	●	●	●							
M12 x 1.25		●									●			
M12 x 1.25	●	●	●	●	●	●	●		●					
M12 x 1.5	●	●	●	●	●	●	●		●					
M14 x 1.5			●	●	●	●	●	●	●		●			
M16 x 1.5			●	●	●	●	●	●	●		●	●	●	●
M18 x 1.5							●	●						
M18 x 1.5						●			●					
M20 x 1.5				●	●	●	●		●	●	●	●	●	●
M24 x 2									●					

All technical data refer to the measure mm

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