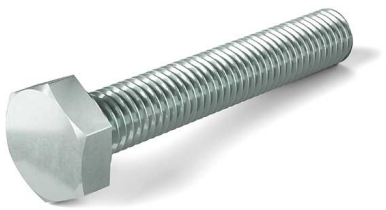
ISO 4017 similar to DIN 933

Hexagon head bolts

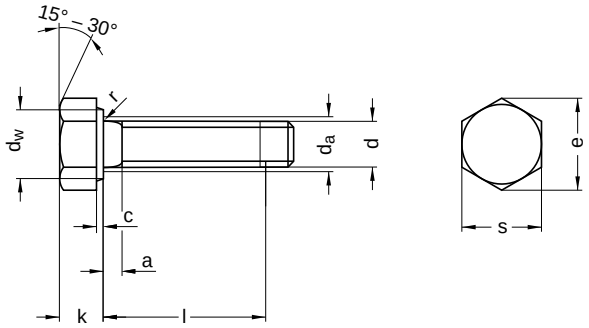
Hexagon head | fully threaded



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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22

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	Tool	a		c		d_a	d_w	e	k			r	s		Pitch
(d)	size	min.	max.	min.	max.	max.	min.	min.	nominal size	min.	max.	min.	max.	min.	(P)
M4	–	0.70	2.1	0.15	0.4	4.7	5.74	7.50	2.8	2.68	2.92	0.20	7	6.64	0.70
	SW 7						5.74			2.60	3.00				
M5	–	0.80	2.4	0.15	0.5	5.7	6.74	8.63	3.5	3.35	3.65	0.20	8	7.64	0.80
	SW 8						6.74			3.26	3.74				
M6	–	1.00	3.0	0.15	0.5	6.8	8.74	10.89	4.0	3.85	4.15	0.25	10	9.64	1.00
	SW 10						8.74			3.76	4.24				
M8	–	1.25	4.0	0.15	0.6	9.2	11.47	14.20	5.3	5.15	5.45	0.40	13	12.57	1.25
M10	–	1.50	4.5	0.15	0.6	11.2	14.47	17.59	6.4	6.11	6.69	0.40	16	15.57	1.50
M12	–	1.75	5.3	0.15	0.6	13.7	16.47	19.85	7.5	7.21	7.79	0.60	18	17.57	1.75
M16	–	2.00	6.0	0.20	0.8	17.7	22.00	26.17	10.0	9.82	10.18	0.60	24	23.16	2.00
	SW 24						22.00			9.71	10.29				
M20	–	2.50	7.5	0.20	0.8	22.4	22.70	32.95	12.5	12.28	12.72	0.80	30	29.16	2.50
	SW 30						27.70			12.15	12.85				
M24	SW 24	3.00	9.0	0.20	0.8	26.4	33.25	39.55	15.0	14.65	15.35	0.80	36	35.00	3.00

All technical data refer to the measure mm

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

ISO 4017 similar to DIN 933

Hexagon head bolts

Hexagon head | fully threaded

Steel 8.8 | zinc-plated, thick-film passivated (VZD) | Cr(VI)-free | Metric thread

Length (l)		
nominal size	min.	max.
8	7.71	8.29
10	9.71	10.29
12	11.65	12.35
14	13.65	14.35
16	15.65	16.35
18	17.65	18.35
20	18.95	21.05
22	20.95	23.05
25	23.95	26.05

Length (l)		
nominal size	min.	max.
28	26.95	29.05
30	28.95	31.05
35	33.75	36.25
40	38.75	41.25
45	43.75	46.25
50	48.75	51.25
55	53.50	56.50
60	58.50	61.50

Length (l)		
nominal size	min.	max.
65	58.50	61.50
	63.50	66.50
70	68.50	71.50
75	73.50	76.50
80	78.50	81.50
90	88.25	91.75
100	98.25	101.75
110	108.25	111.75
120	118.25	121.75

Diameter	Length (l)																							
(d)	8	10	12	14	16	18	20	22	25	28	30	35	40	45	50	55	60	65	70	75	80	90	100	110	120
M4	●	●	●		●	●	●		●		●	●	●												
M5	●	●	●	●	●	●	●	●	●		●	●	●	●	●										
M6	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●							
M8		●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●				
M10					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
M12							●		●		●	●	●	●	●	●	●	●	●	●	●	●	●		
M16									●		●	●	●	●	●	●	●	●	●	●	●	●	●		●
M20											●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M24													●			●		●	●		●	●			

All technical data refer to the measure mm

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