DIN 933 similar to ISO 4017

Hexagon head bolts

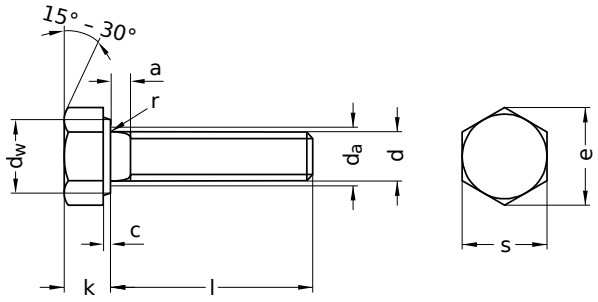
Hexagon head | external hex | fully threaded



Stainless steel A4 | 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread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	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)
M5	SW 8	2.40	0.15	0.5	5.7	6.7	8.63	3.5	3.35	6.35	0.20	8	7.64	0.80
M6	SW 10	3.00	0.15	0.5	6.8	8.7	10.89	4.0	3.76	4.24	0.25	10	9.64	1.00
M8	SW 13	3.75	0.15	0.6	9.2	11.4	14.20	5.3	5.06	5.54	0.40	13	12.57	1.25
M10	SW 17	4.50	0.15	0.6	11.2	15.4	18.72	6.4	6.11	6.69	0.40	17	16.57	1.50
M12	SW 19	5.25	0.15	0.6	13.7	17.2	20.88	7.5	7.21	7.79	0.60	19	18.48	1.75
M14	SW 22	6.00	0.15	0.6	15.7	20.1	23.91	8.8	8.51	9.09	0.60	22	21.16	2.00
M16	SW 24	6.00	0.20	0.8	17.7	22.0	26.17	10.0	9.71	10.29	0.60	24	23.16	2.00
M18	SW 27	7.50	0.20	0.8	20.2	24.8	29.56	11.5	11.15	11.85	0.60	27	26.15	2.50
M20	SW 30	7.50	0.20	0.8	22.4	27.7	32.95	12.5	12.15	12.85	0.80	30	29.16	2.50

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	19.58	20.42
22	20.95	23.05

Length (l)		
nominal size	min.	max.
25	23.95	26.05
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	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
120	118.25	121.75

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 bolts

Hexagon head | external hex | fully threaded

Stainless steel A4 | Cr(VI)-free | Metric thread

Diameter	Length (l)																					
(d)	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80	90	100	120
M5		●	●		●		●		●	●													
M6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
M8			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
M10					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
M12									●	●	●	●	●	●	●	●	●	●	●	●	●		
M14												●	●	●	●	●	●	●	●	●			
M16									●	●		●	●	●	●	●	●	●	●	●	●	●	●
M18																		●	●	●	●	●	
M20												●		●		●				●	●	●	

All technical data refer to the measure mm

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