ISO 4017 similar to DIN 933

Hexagon head bolts

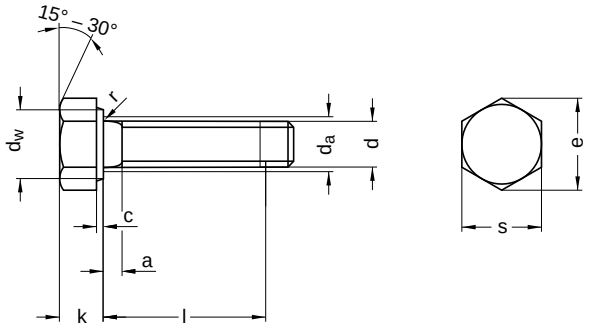
Hexagon head | fully threaded



Stainless steel A2 | 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22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 (d)	Tool size	a min.	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)
M10	–	1.50	4.5	0.15	0.6	11.2	14.47	17.59	6.4	6.11	6.69	0.4	16	15.57	1.50
	SW 16									6.11	6.69				
M12	–	1.75	5.3	0.15	0.6	13.7	16.47	19.85	7.5	7.21	7.79	0.6	18	17.57	1.75
	SW 18									7.21	7.79				
M14	SW 21	2.00	6.0	0.15	0.6	15.7	19.15	22.78	8.8	8.51	9.09	0.6	21	20.16	2.00
	–									8.62	8.98				
M22	SW 34	2.50	7.5	0.20	0.8	24.4	31.35	37.29	14.0	13.65	14.35	0.8	34	33.00	2.50

Length (l)		
nominal size	min.	max.
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
30	28.95	31.05

Length (l)		
nominal size	min.	max.
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
65	63.50	66.50
70	68.50	71.50

Length (l)		
nominal size	min.	max.
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

All technical data refer to the measure mm

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

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Diameter	Length (l)																			
(d)	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80	90	100	110
M10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
M12					●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
M14										●	●	●	●	●	●	●	●	●			
M22														●	●	●	●	●	●	●	

All technical data refer to the measure mm

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