ISO 4014 similar to DIN 931

Hexagon head bolts

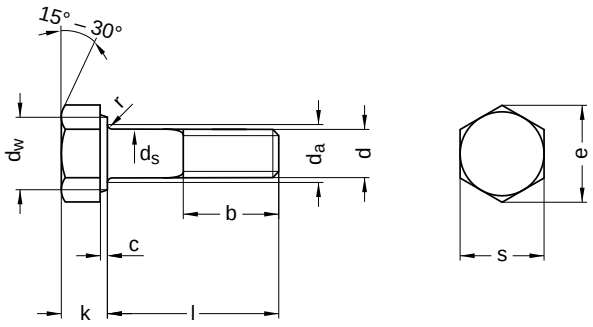
Hexagon head | with body



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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22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	b			c		d_a	d_s		
(d)	size	l up to 125	l up to 200	l longer than 200	min.	max.	max.	nominal size	min.	max.
M6	SW 10	18	24	37	0.15	0.5	6.8	–	–	6
M8	SW 13	22	28	41	0.15	0.6	9.2	–	–	8
M10	SW 16	26	32	45	0.15	0.6	11.2	10	9.78	10
M12	SW 18	30	36	49	0.15	0.6	13.7	–	–	12
M14	SW 21	34	40	53	0.15	0.6	15.7	–	–	14
M16	SW 24	38	44	57	0.20	0.8	17.7	–	–	16
M18	SW 27	42	48	61	0.20	0.8	20.2	–	–	18
M20	SW 30	46	52	65	0.20	0.8	22.4	–	–	20
M24	SW 36	54	60	73	0.20	0.8	26.4	–	–	24
M30	SW 46	66	72	85	0.20	0.8	33.4	–	–	30

Diameter	d_w	e	k			r	s		Pitch
(d)	min.	min.	nominal size	min.	max.	min.	max.	min.	(P)
M6	8.74	10.89	4.0	3.85	4.15	0.25	10	9.64	1.00
M8	11.47	14.20	5.3	5.15	5.45	0.40	13	12.57	1.25
M10	14.47	17.59	6.4	6.11	6.69	0.40	16	15.57	1.50
M12	16.47	19.85	7.5	7.21	7.79	0.60	18	17.57	1.75
M14	19.15	22.78	8.8	8.51	9.09	0.60	21	20.16	2.00
M16	22.00	26.17	10.0	9.82	10.18	0.60	24	23.16	2.00
M18	24.85	29.56	11.5	11.28	11.72	0.60	27	26.16	2.50
M20	22.70	32.95	12.5	12.28	12.72	0.80	30	29.16	2.50
M24	33.25	39.55	15.0	14.65	15.35	0.80	36	35.00	3.00
M30	42.75	50.85	18.7	18.28	19.12	1.00	46	45.00	3.50

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 | with body

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

Length (l)		
nominal size	min.	max.
30	28.95	31.05
35	33.75	36.05
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

Length (l)		
nominal size	min.	max.
70	68.50	71.50
75	74.40	75.60
80	78.50	81.50
85	84.30	85.70
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.
130	128.00	132.00
140	138.00	142.00
150	148.00	152.00
160	158.00	162.00
170	168.00	172.00
180	178.00	182.00
200	197.70	202.30
230	227.70	232.30

Diameter	Length (l)																						
(d)	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	140	150	160	170	180	200	230
M6	●	●	●	●	●	●	●	●	●	●	●		●											
M8		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
M10		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●			
M12			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
M14														●										
M16					●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	
M18													●					●						
M20									●		●		●	●	●	●	●	●	●	●	●	●		●
M24											●			●	●	●	●	●	●	●	●	●		
M30																		●						

All technical data refer to the measure mm

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