

**DIN 931** similar to ISO 4014

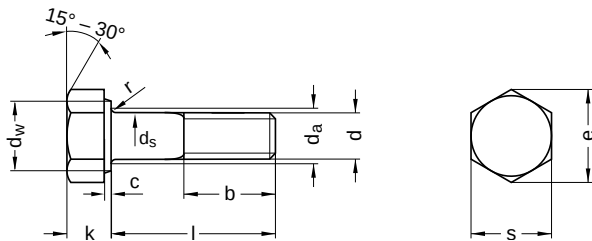
## Hexagon head bolts

Hexagon head | external hex | with body

Steel 8.8 | hot-dip galvanised | 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread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)	b			c		d <sub>a</sub>	d <sub>s</sub>	d <sub>w</sub>
	l up to 125	l up to 200	l longer than 200	min.	max.	max.	max.	min.
M8	22	28	41	0.15	0.6	9.2	8	11.47
M10	26	32	45	0.15	0.6	11.2	10	14.47
M12	30	36	49	0.15	0.6	13.7	12	16.47
M16	38	44	57	0.20	0.8	17.7	16	22.00
M20	46	52	65	0.20	0.8	22.4	20	27.70
M24	54	60	73	0.20	0.8	26.4	24	33.25
M30	66	72	85	0.20	0.8	33.4	30	42.75
M36	78	84	97	0.20	0.8	39.4	36	51.11

Diameter (d)	e	k		r	s		Pitch (P)	Tool size
	min.	min.	max.	min.	max.	min.		
M8	14.20	5.06	5.54	0.4	13	12.57	1.25	SW 13
M10	17.59	6.11	6.69	0.4	17	16.73	1.50	SW 17
M12	19.85	7.21	7.79	0.6	19	18.67	1.75	SW 19
M16	26.17	9.71	10.29	0.6	24	23.16	2.00	SW 24
M20	32.95	12.15	12.85	0.8	30	29.16	2.50	SW 30
M24	39.55	14.65	15.35	0.8	36	35.00	3.00	SW 36
M30	50.85	18.28	19.12	1.0	46	45.00	3.50	SW 46
M36	60.79	22.08	22.92	1.0	55	53.80	4.00	SW 55

All technical data refer to the measure mm



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nominal size	Length (l)	
	min.	max.
35	34.50	35.50
40	39.50	40.50
45	44.50	45.50
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

nominal size	Length (l)	
	min.	max.
75	74.40	75.60
80	79.40	80.60
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
130	128.00	132.00

nominal size	Length (l)	
	min.	max.
140	138.00	142.00
150	148.00	152.00
160	158.00	162.00
180	178.00	182.00
200	197.70	202.30
220	217.70	222.30
240	237.70	242.30

Diameter (d)	Length (l)																							
	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	140	150	160	180	200	220	240	
M8	●	●	●	●		●	●	●		●														
M10		●	●	●	●	●		●	●	●		●	●											
M12			●	●	●	●	●	●	●			●		●	●									
M16					●	●	●	●	●	●		●	●	●	●	●	●	●	●					
M20							●	●	●	●		●	●	●	●	●	●	●	●	●	●	●		
M24									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M30											●	●	●	●	●	●	●	●	●	●				
M36														●	●		●		●	●	●			

• Combinations available in the eShop | Other sizes on request

All technical data refer to the measure mm

