

**DIN 931** similar to ISO 4014

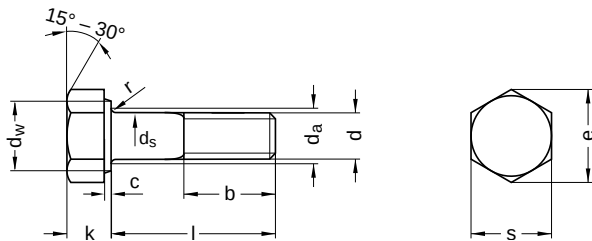
## Hexagon head bolts

Hexagon head | external hex | with body

Steel 10.9 | bright | 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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread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.
M6	18	24	37	0.15	0.5	6.8	6	8.74
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
M14	34	40	53	0.15	0.6	15.7	14	20.50
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
M27	60	66	79	0.20	0.8	30.4	27	38.00
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.		
M6	10.89	3.76	4.24	0.25	10	9.64	1.00	SW 10
M8	14.20	5.06	5.54	0.40	13	12.57	1.25	SW 13
M10	17.59	6.11	6.69	0.40	17	16.73	1.50	SW 17
M12	19.85	7.21	7.79	0.60	19	18.67	1.75	SW 19
M14	24.49	8.62	8.98	0.60	22	21.67	2.00	SW 22
M16	26.17	9.71	10.29	0.60	24	23.16	2.00	SW 24
M20	32.95	12.15	12.85	0.80	30	29.16	2.50	SW 30
M24	39.55	14.65	15.35	0.80	36	35.00	3.00	SW 36
M27	45.20	16.65	17.35	1.00	41	40.00	3.00	SW 41
M30	50.85	18.28	19.12	1.00	46	45.00	3.50	SW 46
M36	60.79	22.08	22.92	1.00	55	53.80	4.00	SW 55

All technical data refer to the measure mm



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Length (l)			Length (l)			Length (l)		
nominal size	min.	max.	nominal size	min.	max.	nominal size	min.	max.
30	29.58	30.42	100	98.25	101.75	220	217.70	222.30
35	34.50	35.50	110	108.25	111.75	230	227.70	232.30
40	39.50	40.50	115	113.25	116.75	240	237.70	242.30
45	44.50	45.50	120	118.25	121.75	250	247.70	252.30
50	49.50	50.50	125	124.20	125.80	260	257.40	262.60
55	54.40	55.60	130	128.00	132.00	270	267.40	272.60
60	59.40	60.60	140	138.00	142.00	280	277.40	282.60
65	63.50	66.50	150	148.00	152.00	290	287.40	292.60
70	68.50	71.50	160	158.00	162.00	300	297.40	302.60
75	74.40	75.60	170	168.00	172.00	340	337.15	342.85
80	78.50	81.50	180	178.00	182.00	380	377.15	382.85
85	84.40	85.60	190	187.70	192.30			
90	88.25	91.75	200	197.70	202.30			
95	94.30	95.70	210	207.70	212.30			

Diameter (d)	Length (l)																		
	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	115	120	125
M6	●	●	●	●	●	●	●	●	●	●	●	●	●						
M8		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M10			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M12				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M14					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M16					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M20								●	●	●	●	●	●	●	●	●	●	●	●
M24									●	●	●	●	●	●	●	●	●	●	●
M27										●	●	●	●	●	●	●	●	●	●
M30													●	●	●	●	●	●	●
M36																●	●	●	●

Diameter (d)	Length (l)																			
	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	340	380
M6																				
M8	●	●																		
M10	●	●	●	●	●	●		●												
M12	●	●	●	●	●	●												●		
M14	●	●																		
M16	●	●	●	●	●	●						●						●		
M20	●	●	●	●	●	●	●	●	●	●	●	●	●					●		
M24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M27	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M36	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

• Combinations available in the eShop | Other sizes on request

All technical data refer to the measure mm

