

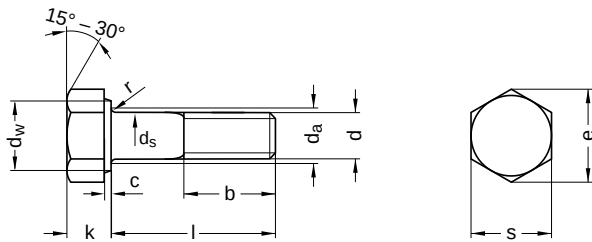
DIN 931 similar to ISO 4014

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Further information: DIN-standard has been withdrawn | changed spanner widths for M10, M12, M14 and M22 | screws can be paired with a 6h tolerance-compliant female thread



Diameter (d)	b			c		d _a max.	d _s max.
	longer than 200	l up to 125	l up to 200	min.	max.		
M 6	37	18	24	0.15	0.5	6.8	6
M 8	41	22	28	0.15	0.6	9.2	8
M 10	45	26	32	0.15	0.6	11.2	10
M 12	49	30	36	0.15	0.6	13.7	12
M 14	53	34	40	0.15	0.6	15.7	14
M 16	57	38	44	0.20	0.8	17.7	16
M 20	65	46	52	0.20	0.8	22.4	20
M 24	73	54	60	0.20	0.8	26.4	24
M 27	79	60	66	0.20	0.8	30.4	27
M 30	85	66	72	0.20	0.8	33.4	30
M 36	97	78	84	0.20	0.8	39.4	36

Diameter (d)	d _w	e min.	k		r min.	s		Pitch (P)
	min.		min.	max.		max.	min.	
M 6	8.9	11.05	3.85	4.15	0.25	10	9.78	1.00
M 8	11.6	14.38	5.15	5.45	0.40	13	12.73	1.25
M 10	15.6	18.90	6.22	6.58	0.40	17	16.73	1.50
M 12	17.4	21.10	7.32	7.68	0.60	19	18.67	1.75
M 14	20.5	24.49	8.62	8.98	0.60	22	21.67	2.00
M 16	22.0	26.17	9.71	10.29	0.60	27	26.16	2.00
M 20	27.7	32.95	12.15	12.85	0.80	30	29.16	2.50
M 24	33.2	39.55	14.65	15.35	0.80	36	15.39	3.00
M 27	38.0	45.20	16.65	17.35	1.00	41	40.00	3.00
M 30	42.7	50.85	18.28	19.12	1.00	46	45.00	3.50
M 36	51.1	60.79	22.08	22.92	1.00	55	53.80	4.00

All technical data refer to the measure mm



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nominal size	Length (l)	
	min.	max.
30	29.58	30.42
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
75	74.40	75.60
80	79.40	80.60
90	88.25	91.75
100	98.25	100.75
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
170	168.00	172.00
180	178.00	182.00
190	187.70	192.30
200	197.70	202.30
210	207.70	212.30
220	217.70	222.30
230	227.70	232.30
240	237.70	242.30
250	247.70	252.30
260	257.40	262.60
270	267.40	272.60
280	277.40	282.60
290	287.40	292.60

nominal size	Length (l)	
	min.	max.
300	297.40	302.60
310	307.40	312.60
320	317.15	322.85
330	327.15	332.85
340	337.15	342.85
350	347.15	352.85
360	357.15	362.85
370	367.15	372.85
380	377.15	382.85
390	387.15	392.85
400	397.15	402.85
420	416.85	423.15

All technical data refer to the measure mm

