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DIN 933 & DIN 931 Hex Bolt Chart

DIN 933/DIN 931 bolt dimensions M5–M48: pitch, width across flats, head height, thread length and weight per 1000 pcs; ISO 4017/4014 differences. HEXVARO.

Hex bolt head dimensions (mm)

Size	Pitch P	Width across flats s — DIN 933/931	Width across flats s — ISO 4017/4014	Head height k
M5	0.8	8	8	3.5
M6	1.0	10	10	4
M8	1.25	13	13	5.3
M10	1.5	17	16	6.4
M12	1.75	19	18	7.5
M14	2.0	22	21	8.8
M16	2.0	24	24	10
M18	2.5	27	27	11.5
M20	2.5	30	30	12.5
M22	2.5	32	34	14
M24	3.0	36	36	15
M27	3.0	41	41	17
M30	3.5	46	46	18.7
M36	4.0	55	55	22.5
M42	4.5	65	65	26
M48	5.0	75	75	30

DIN 933 weight chart (kg per 1000 pcs)

Size	Short length	kg / 1000	Medium length	kg / 1000	Long length	kg / 1000
M6	M6 × 20	6.1	M6 × 30	7.8	M6 × 50	11.4
M8	M8 × 20	12.0	M8 × 30	15.2	M8 × 50	21.6
M10	M10 × 30	26.7	M10 × 50	36.7	M10 × 80	51.7
M12	M12 × 30	38.9	M12 × 50	53.4	M12 × 80	75.1
M16	M16 × 40	89.6	M16 × 60	116	M16 × 100	169
M20	M20 × 50	175	M20 × 80	238	M20 × 120	321
M24	M24 × 60	303	M24 × 100	423	M24 × 150	573
M30	M30 × 80	630	M30 × 120	820	M30 × 200	1,200

DIN 931 weight chart (kg per 1000 pcs)

Size	L 50	L 60	L 80	L 100	L 120	L 150	L 200
M8	23.7	27.7	35.6	43.5	51.4	62.7	—
M10	39.5	45.7	58.0	70.3	82.6	100	131
M12	56.6	65.5	83.3	101	119	144	189
M16	—	122	153	185	216	262	341
M20	—	—	251	300	349	421	544
M24	—	—	377	448	519	623	800
M30	—	—	—	752	863	1,025	1,302
M36	—	—	—	—	1,304	1,537	1,937

Reference values for buyers. The governing standard edition and your drawing control the order.

Full chart: https://www.hexvaro.com/resources/din-933-din-931-hex-bolt-dimensions/

Request a quote: https://www.hexvaro.com/request-a-quote/ · MOQ 500 pcs per specification · We reply within 2 working hours.