

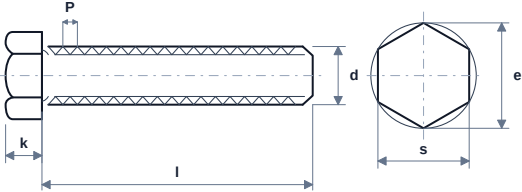
Hexagon Head Bolt DIN933

Execution Standard: DIN 933

DOCUMENT NO. TDS-20260710-6NEP	REVISION A	STATUS APPROVED	ISSUE DATE 2026-07-10
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1. STANDARD DIMENSIONAL REFERENCE

NOT TO SCALE



Not to scale · See dimension table for values.

PRODUCT IMAGE



2. PRODUCT IDENTIFICATION	
Material / Property Class	galvanized carbon steel

3. STANDARD PROFILE		REFERENCE VALUES
Execution Standard	DIN 933	
Edition	1987-09	
Standard Status	Withdrawn legacy standard	
Product Scope	M1.6 to M52, hexagon head screws threaded up to the head, product grades A and B.	
Thread Series	ISO metric coarse pitch	
Diameter Range (d)	M1.6 - M52	
Configured Nominal Length Series (L)	6–300 mm · 32 configured nominal lengths	

4. STANDARD / DECLARED REQUIREMENTS

Important note: DIN 933 is a withdrawn legacy standard. This dimensional profile is provided only when the customer or order specifically requires DIN 933. Do not assume interchangeability with successor standards without confirmation.

5. DIMENSIONAL DATA (MM)					d diameter · P pitch · s across flats · e across corners · k head height
d Diameter · mm	P Pitch · mm	s (max) Across flats · mm	e (min) Across corners · mm	k Head height · mm	
M1.6	0.35	3.2	3.41	1.1	
M2	0.4	4	4.32	1.4	
M2.5	0.45	5	5.45	1.7	
M3	0.5	5.5	6.01	2	
M3.5	0.6	6	6.58	2.4	
M4	0.7	7	7.66	2.8	
M5	0.8	8	8.79	3.5	
M6	1	10	11.05	4	
M7	1	11	12.12	4.8	
M8	1.25	13	14.38	5.3	
M10	1.5	17	18.9	6.4	
M12	1.75	19	21.1	7.5	
M14	2	22	24.49	8.8	
M16	2	24	26.75	10	
M18	2.5	27	30.14	11.5	
M20	2.5	30	33.53	12.5	
M22	2.5	32	35.72	14	
M24	3	36	39.98	15	
M27	3	41	45.2	17	
M30	3.5	46	50.85	18.7	
M33	3.5	50	55.37	21	
M36	4	55	60.79	22.5	
M39	4	60	66.44	25	
M42	4.5	65	71.3	26	
M45	4.5	70	76.95	28	
M48	5	75	82.6	30	
M52	5	80	88.25	33	