

DIN 933 Hex Bolts 8.8

MATERIAL SPECIFICATION

Carbon steel, quenched and tempered, property class 8.8 per ISO 898-1.

MECHANICAL PROPERTIES

Property Class	8.8
Tensile Strength	800 MPa (min)
Yield Strength	640 MPa (min)
Hardness	22-32 HRC
Thread Tolerance	6g per ISO 965

DIMENSIONAL SPECIFICATIONS

Thread Size Range	M3 - M64
Pitch	Coarse thread per DIN 13
Head Height	0.7d (nominal)
Width Across Flats	Per standard

DIMENSIONAL DATA TABLE (MM)

THREAD SIZE (D)	PITCH (P) MM	WIDTH ACROSS FLATS (S) MM	HEIGHT (K) MM
M6	1.00	10.00	4.00
M8	1.25	13.00	5.30
M10	1.50	17.00	6.40
M12	1.75	19.00	7.50
M16	2.00	24.00	10.00
M20	2.50	30.00	12.50

SURFACE TREATMENT OPTIONS

Plain (as-manufactured)

Zinc plated per ISO 4042

Phosphate coated

APPLICABLE STANDARDS

DIN 933

ISO 4017

