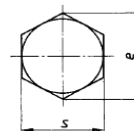
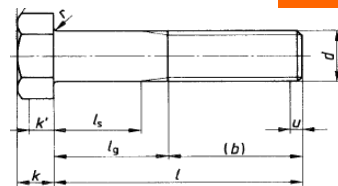




Bolts and screws



Hexagon head bolt and screw product grade A and B

Specifications and International Standards: DIN 931 & DIN 933 : 1987

Mechanical Properties - property class: Grade 8.8 steel

Mechanical Properties - international standard: ISO 898-1

Surface finish: electroplating ISO 4042 (G931) (G933)

Surface finish: hot dip galvanized ISO 1461 (H931) (H933)

Dimensions in millimetres

d (thread)	M5	M6	M8	M10	M12
s (head width) min.	7.78	9.78	12.73	16.73	18.67
e (head width) min.	8.79	11.05	14.38	18.9	21.1
k (head height) min.	3.35	3.85	5.15	6.22	7.32
k (head height) max.	3.65	4.15	5.45	6.58	7.68
Pitch	0.8	1	1.25	1.5	1.75

Dimensions in millimetres

d (thread)	M14	M16	M20	M24	M30
s (head width) min.	21.67	23.67	29.67	35.38	45
e (head width) min.	24.49	26.75	33.53	39.98	50.85
k (head height) min.	8.62	9.82	12.28	14.78	18.28
k (head height) max.	8.98	10.18	12.72	15.22	19.12
Pitch	2	2	2.5	3	3.5

Details refer to standard specification

Partial thread bolt - DIN 931

(1) For $l \leq 125\text{mm}$ - thread length: $2 \times \text{diameter} + 6\text{mm}$

(2) For $l > 125\text{mm} \leq 200\text{mm}$ - thread length: $2 \times \text{diameter} + 12\text{mm}$

(3) For $l > 200\text{mm}$ - thread length: $2 \times \text{diameter} + 25\text{mm}$

example: Zinc plated M16 x 100mm with 38mm thread

Order designation: G931 + article no. (example: G931-16100)

Full thread screw - DIN 933

example: Hot dip galvanized M10 x 50mm with 50mm thread

Order designation: H933 + article no. (example: H933-10050)

example:

d x L	article no.	d x L	article no.
M16 x 100	16100	M10 x 50	10050

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