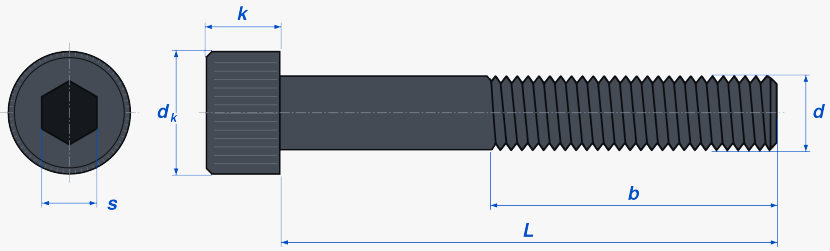
DIN 912 / ISO 4762 - Socket Cap Screws

Technical specification and dimensional reference - 12.9 high tensile steel, self colour

DIN 912 **ISO 4762** Hexagon socket head cap screws (allen bolts), 12.9 high tensile steel, M1.6 to M10. ISO 4762 replaced DIN 912.

DIMENSIONAL DIAGRAM



Length (L):
Always measured from under the head to the tip.
The head height is NOT included in the stated length.

Allen key size:
The M size is NOT the Allen key size.
Use the 'Socket s' column - common ordering mistake.

THREAD LENGTH b = 2d + 12 (REFERENCE)
Partially threaded screws have at least about 2 x the diameter plus 12mm of thread, at every length.
Example: M8 = 28mm.

PARTIALLY THREADED - KNOW BEFORE YOU ORDER
Short screws are threaded along the whole length.
Longer ones have a plain shank under the head.
The chart below shows every length for each size.

DIMENSIONAL DATA - M1.6 TO M10 (1.6MM TO 10MM)

Size (thread dia d)	Pitch P (mm)	Thread length b (mm, ref.)	Head dia dk max (mm) (knurled)	Head height k max (mm)	Socket s (mm)	Socket depth t min (mm)
M1.6 (1.6mm)	0.35	15	3.14	1.6	1.5	0.7
M2 (2mm)	0.4	16	3.98	2	1.5	1.0
M2.5 (2.5mm)	0.45	17	4.68	2.5	2	1.1
M3 (3mm)	0.5	18	5.68	3	2.5	1.3
M4 (4mm)	0.7	20	7.22	4	3	2.0
M5 (5mm)	0.8	22	8.72	5	4	2.5
M6 (6mm)	1	24	10.22	6	5	3.0
M8 (8mm)	1.25	28	13.27	8	6	4.0
M10 (10mm)	1.5	32	16.27	10	8	5.0

LENGTHS AVAILABLE - LENGTH L, UNDER THE HEAD

● 12.9 self colour

mm	3	4	5	6	8	10	12	14	15	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	140	150	160	170	180	190
M1.6	●			●	●	●	●																															
M2	●	●	●	●	●	●	●			●		●																									
M2.5		●	●	●	●	●	●	●		●		●																									
M3		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●															
M4			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
M5				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	
M6					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
M8						●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●
M10						●	●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					

Scan to order DIN 912 / ISO 4762 12.9 socket cap screws

12.9 high tensile steel, M1.6 to M10, every length on this sheet.
No minimum order. Same-day dispatch on orders before 1pm.
Or go to boltbase.com/din-912-12-9

Dimensions: *All values in mm. d is nominal (the M size), dk and k are maximums, t is a minimum, b is a reference value. Knurled head.*
Strength: *Class 12.9 steel, minimum tensile strength 1220 N/mm2 on M3 and up. M12 is not stocked in 12.9.*
Lengths: *As listed on boltbase.com, November 2026. Screws up to a certain length are fully threaded; see the product page for each size.*
Spot an error? *Let us know - sales@boltbase.co.uk*