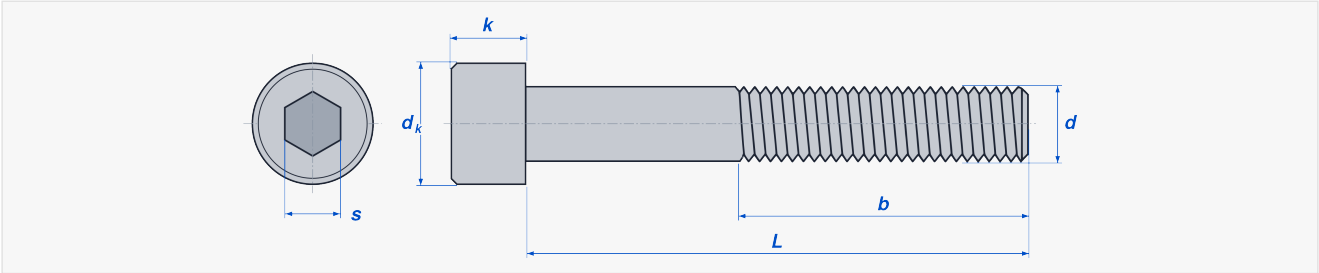
DIN 912 / ISO 4762 - Socket Cap Screws

Technical specification and dimensional reference - A2 (304) stainless steel

DIN 912 **ISO 4762** Hexagon socket head cap screws (allen bolts), A2 stainless steel, M1.6 to M12. 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 M12 (1.6MM TO 12MM)

Size (thread dia d)	Pitch P (mm)	Thread length b (mm, ref.)	Head dia dk max (mm) (plain)	Head height k max (mm)	Socket s (mm)	Socket depth t min (mm)	Property class
M1.6 (1.6mm)	0.35	15	3.00	1.6	1.5	0.7	A2-50
M2 (2mm)	0.4	16	3.80	2	1.5	1.0	A2-50
M2.5 (2.5mm)	0.45	17	4.50	2.5	2	1.1	A2-50
M3 (3mm)	0.5	18	5.50	3	2.5	1.3	A2-50
M4 (4mm)	0.7	20	7.00	4	3	2.0	A2-50
M5 (5mm)	0.8	22	8.50	5	4	2.5	A2-70
M6 (6mm)	1	24	10.00	6	5	3.0	A2-70
M8 (8mm)	1.25	28	13.00	8	6	4.0	A2-70
M10 (10mm)	1.5	32	16.00	10	8	5.0	A2-70
M12 (12mm)	1.75	36	18.00	12	10	6.0	A2-70

LENGTHS AVAILABLE - LENGTH L, UNDER THE HEAD

● A2 stainless

mm	3	4	5	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180
M1.6	●	●	●	●	●	●	●		●		●																									
M2	●	●	●	●	●	●	●	●	●	●	●																									
M2.5		●	●	●	●	●	●	●	●		●		●	●																						
M3		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●																
M4			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●		●										
M5				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●						
M6					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●	●	●			
M8						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
M10							●		●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
M12									●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●

Scan to order DIN 912 / ISO 4762 A2 socket cap screws

A2 stainless steel, M1.6 to M12, every length on this sheet.
No minimum order. Same-day dispatch on orders before 1pm.
Or go to boltbase.com/din-912-a2

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. Plain (non-knurled) head.*
Property class: *A2-50 on M1.6 to M4 (500 N/mm2 min. tensile strength), A2-70 on M5 to M12 (700 N/mm2), as supplied to Bolt Base.*
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*