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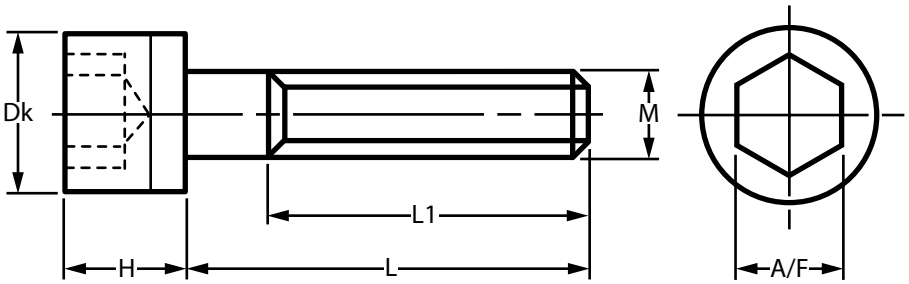
FASTENERS

AM

Socket Head Cap Screws

Steel : 12.9 Quality, DIN 912 : M1.6 - M6



Part Number	Thread M	L	L1	Dk	H	A/F
AM1.6-4	M1.6	4	-	3.00	1.6	1.5
AM1.6-6	M1.6	6	-	3.00	1.6	1.5
AM2-3	M2	3	-	3.80	2.0	1.5
AM2-4	M2	4	-	3.80	2.0	1.5
AM2-5	M2	5	-	3.80	2.0	1.5
AM2-6	M2	6	-	3.80	2.0	1.5
AM2-8	M2	8	-	3.80	2.0	1.5
AM2-10	M2	10	-	3.80	2.0	1.5
AM2-12	M2	12	-	3.80	2.0	1.5
AM2.5-5	M2.5	5	-	4.50	2.5	2.0
AM2.5-6	M2.5	6	-	4.50	2.5	2.0
AM2.5-8	M2.5	8	-	4.50	2.5	2.0
AM2.5-10	M2.5	10	-	4.50	2.5	2.0
AM2.5-12	M2.5	12	-	4.50	2.5	2.0
AM3-4	M3	4	-	5.68	3.0	2.5
AM3-5	M3	5	-	5.68	3.0	2.5
AM3-6	M3	6	-	5.68	3.0	2.5
AM3-8	M3	8	-	5.68	3.0	2.5
AM3-10	M3	10	-	5.68	3.0	2.5
AM3-12	M3	12	-	5.68	3.0	2.5
AM3-14	M3	14	-	5.68	3.0	2.5
AM3-15	M3	15	-	5.68	3.0	2.5
AM3-16	M3	16	-	5.68	3.0	2.5
AM3-20	M3	20	-	5.68	3.0	2.5
AM3-25	M3	25	20	5.68	3.0	2.5
AM3-30	M3	30	20	5.68	3.0	2.5
AM3-35	M3	35	20	5.68	3.0	2.5
AM4-5	M4	5	-	7.22	4.0	3.0
AM4-6	M4	6	-	7.22	4.0	3.0
AM4-8	M4	8	-	7.22	4.0	3.0
AM4-10	M4	10	-	7.22	4.0	3.0
AM4-12	M4	12	-	7.22	4.0	3.0
AM4-14	M4	14	-	7.22	4.0	3.0
AM4-16	M4	16	-	7.22	4.0	3.0
AM4-20	M4	20	-	7.22	4.0	3.0
AM4-25	M4	25	-	7.22	4.0	3.0
AM4-30	M4	30	25	7.22	4.0	3.0
AM4-35	M4	35	25	7.22	4.0	3.0
AM4-40	M4	40	25	7.22	4.0	3.0
AM4-45	M4	45	25	7.22	4.0	3.0
AM4-50	M4	50	25	7.22	4.0	3.0

Part Number	Thread M	L	L1	Dk	H	A/F
AM5-6	M5	6	-	8.72	5	4
AM5-8	M5	8	-	8.72	5	4
AM5-10	M5	10	-	8.72	5	4
AM5-12	M5	12	-	8.72	5	4
AM5-16	M5	16	-	8.72	5	4
AM5-18	M5	18	-	8.72	5	4
AM5-20	M5	20	-	8.72	5	4
AM5-25	M5	25	-	8.72	5	4
AM5-30	M5	30	25	8.72	5	4
AM5-35	M5	35	25	8.72	5	4
AM5-40	M5	40	25	8.72	5	4
AM5-45	M5	45	25	8.72	5	4
AM5-50	M5	50	25	8.72	5	4
AM5-55	M5	55	25	8.72	5	4
AM5-60	M5	60	25	8.72	5	4
AM5-70	M5	70	25	8.72	5	4
AM6-8	M6	8	-	10.22	6	5
AM6-10	M6	10	-	10.22	6	5
AM6-12	M6	12	-	10.22	6	5
AM6-14	M6	14	-	10.22	6	5
AM6-16	M6	16	-	10.22	6	5
AM6-18	M6	18	-	10.22	6	5
AM6-20	M6	20	-	10.22	6	5
AM6-25	M6	25	-	10.22	6	5
AM6-30	M6	30	-	10.22	6	5
AM6-35	M6	35	30	10.22	6	5
AM6-40	M6	40	30	10.22	6	5
AM6-45	M6	45	30	10.22	6	5
AM6-50	M6	50	30	10.22	6	5
AM6-55	M6	55	30	10.22	6	5
AM6-60	M6	60	30	10.22	6	5
AM6-65	M6	65	30	10.22	6	5
AM6-70	M6	70	30	10.22	6	5
AM6-75	M6	75	30	10.22	6	5
AM6-80	M6	80	30	10.22	6	5
AM6-90	M6	90	30	10.22	6	5
AM6-100	M6	100	30	10.22	6	5
AM6-110	M6	110	30	10.22	6	5

Material

Alloy Steel - High Grade. 12.9 Quality BS4168 Pt. 1, DIN 912 (ISO 4762).
Hardness: 38 HRC.

Tensile Strength: 1220N/mm^2.
Maximum Tightening Torques: M4 = 3.8Nm, M5 = 8Nm, M6 = 13Nm.

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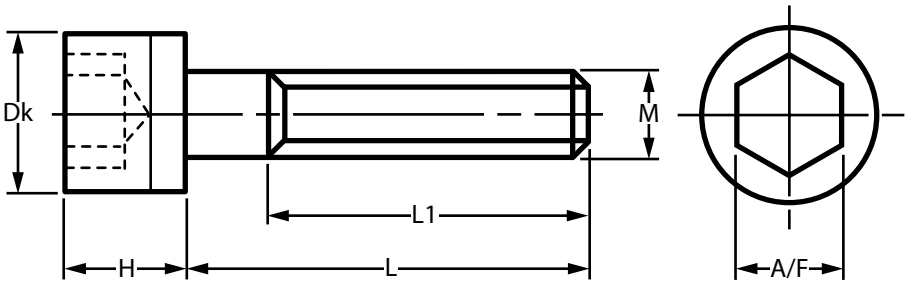
AM

FASTENERS

Socket Head Cap Screws

Steel : 12.9 Quality, DIN 912 : M8 - M12



Part Number	Thread M	L	L1	Dk	H	A/F
AM8-10	M8	10	-	13.27	8	6
AM8-12	M8	12	-	13.27	8	6
AM8-14	M8	14	-	13.27	8	6
AM8-16	M8	16	-	13.27	8	6
AM8-18	M8	18	-	13.27	8	6
AM8-20	M8	20	-	13.27	8	6
AM8-22	M8	22	-	13.27	8	6
AM8-25	M8	25	-	13.27	8	6
AM8-30	M8	30	-	13.27	8	6
AM8-35	M8	35	-	13.27	8	6
AM8-40	M8	40	35	13.27	8	6
AM8-45	M8	45	35	13.27	8	6
AM8-50	M8	50	35	13.27	8	6
AM8-55	M8	55	35	13.27	8	6
AM8-60	M8	60	35	13.27	8	6
AM8-65	M8	65	35	13.27	8	6
AM8-70	M8	70	35	13.27	8	6
AM8-75	M8	75	35	13.27	8	6
AM8-80	M8	80	35	13.27	8	6
AM8-90	M8	90	35	13.27	8	6
AM8-100	M8	100	35	13.27	8	6
AM8-110	M8	110	35	13.27	8	6
AM8-120	M8	120	35	13.27	8	6
AM8-130	M8	130	35	13.27	8	6
AM8-140	M8	140	35	13.27	8	6
AM8-150	M8	150	35	13.27	8	6
AM8-160	M8	160	35	13.27	8	6
AM10-10	M10	10	-	16.27	10	8
AM10-12	M10	12	-	16.27	10	8
AM10-14	M10	14	-	16.27	10	8
AM10-16	M10	16	-	16.27	10	8
AM10-18	M10	18	-	16.27	10	8
AM10-20	M10	20	-	16.27	10	8
AM10-22	M10	22	-	16.27	10	8
AM10-25	M10	25	-	16.27	10	8
AM10-30	M10	30	-	16.27	10	8
AM10-35	M10	35	-	16.27	10	8
AM10-40	M10	40	-	16.27	10	8
AM10-45	M10	45	40	16.27	10	8
AM10-50	M10	50	40	16.27	10	8
AM10-55	M10	55	40	16.27	10	8

Part Number	Thread M	L	L1	Dk	H	A/F
AM10-60	M10	60	40	16.27	10	8
AM10-65	M10	65	40	16.27	10	8
AM10-70	M10	70	40	16.27	10	8
AM10-80	M10	80	40	16.27	10	8
AM10-90	M10	90	40	16.27	10	8
AM10-100	M10	100	40	16.27	10	8
AM10-110	M10	110	40	16.27	10	8
AM10-120	M10	120	40	16.27	10	8
AM10-130	M10	130	40	16.27	10	8
AM10-140	M10	140	40	16.27	10	8
AM10-150	M10	150	40	16.27	10	8
AM10-160	M10	160	40	16.27	10	8
AM10-180	M10	180	40	16.27	10	8
AM10-200	M10	200	40	16.27	10	8
AM12-12	M12	12	-	18.27	12	10
AM12-16	M12	16	-	18.27	12	10
AM12-18	M12	18	-	18.27	12	10
AM12-20	M12	20	-	18.27	12	10
AM12-25	M12	25	-	18.27	12	10
AM12-30	M12	30	-	18.27	12	10
AM12-35	M12	35	-	18.27	12	10
AM12-40	M12	40	-	18.27	12	10
AM12-45	M12	45	-	18.27	12	10
AM12-50	M12	50	-	18.27	12	10
AM12-55	M12	55	50	18.27	12	10
AM12-60	M12	60	50	18.27	12	10
AM12-65	M12	65	50	18.27	12	10
AM12-70	M12	70	50	18.27	12	10
AM12-75	M12	75	50	18.27	12	10
AM12-80	M12	80	50	18.27	12	10
AM12-90	M12	90	50	18.27	12	10
AM12-100	M12	100	50	18.27	12	10
AM12-110	M12	110	50	18.27	12	10
AM12-120	M12	120	50	18.27	12	10
AM12-130	M12	130	50	18.27	12	10
AM12-140	M12	140	50	18.27	12	10
AM12-150	M12	150	50	18.27	12	10
AM12-160	M12	160	50	18.27	12	10
AM12-180	M12	180	50	18.27	12	10
AM12-200	M12	200	50	18.27	12	10

Material

Alloy Steel - High Grade. 12.9 Quality BS4168 Pt. 1, DIN 912 (ISO 4762).
Hardness: 38 HRC.

Tensile Strength: 1220N/mm^2.
Maximum Tightening Torques: M8 = 32Nm, M10 = 64Nm, M12 = 110Nm

Also available in M14, M16, M18, M20, M22, M24 & M30. Please ask for a quote.

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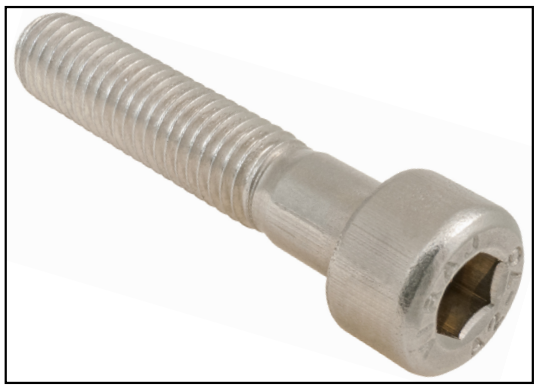
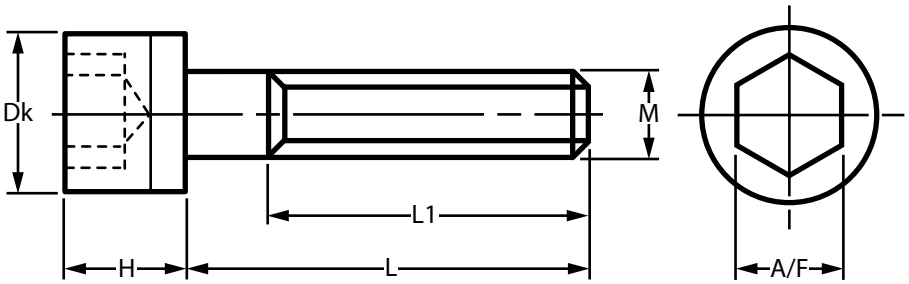
FASTENERS

CM

Socket Head Cap Screws

Stainless Steel : DIN 912-A2 : M1.6 - M8





Part Number	Thread M	L	L1	Dk	H	A/F
CM1.6-4	M1.6	4	-	3.0	1.6	1.5
CM1.6-5	M1.6	5	-	3.0	1.6	1.5
CM1.6-6	M1.6	6	-	3.0	1.6	1.5
CM1.6-8	M1.6	8	-	3.0	1.6	1.5
CM1.6-10	M1.6	10	-	3.0	1.6	1.5
CM1.6-12	M1.6	12	-	3.0	1.6	1.5
CM1.6-16	M1.6	16	-	3.0	1.6	1.5
CM2-4	M2	4	-	3.8	2.0	1.5
CM2-5	M2	5	-	3.8	2.0	1.5
CM2-6	M2	6	-	3.8	2.0	1.5
CM2-8	M2	8	-	3.8	2.0	1.5
CM2-10	M2	10	-	3.8	2.0	1.5
CM2-12	M2	12	-	3.8	2.0	1.5
CM2-16	M2	16	-	3.8	2.0	1.5
CM2-20	M2	20	16	3.8	2.0	1.5
CM2.5-4	M2.5	4	-	4.5	2.5	2.0
CM2.5-5	M2.5	5	-	4.5	2.5	2.0
CM2.5-6	M2.5	6	-	4.5	2.5	2.0
CM2.5-8	M2.5	8	-	4.5	2.5	2.0
CM2.5-10	M2.5	10	-	4.5	2.5	2.0
CM2.5-12	M2.5	12	-	4.5	2.5	2.0
CM2.5-16	M2.5	16	-	4.5	2.5	2.0
CM2.5-20	M2.5	20	-	4.5	2.5	2.0
CM3-6	M3	6	-	5.5	3.0	2.5
CM3-8	M3	8	-	5.5	3.0	2.5
CM3-10	M3	10	-	5.5	3.0	2.5
CM3-12	M3	12	-	5.5	3.0	2.5
CM3-16	M3	16	-	5.5	3.0	2.5
CM3-20	M3	20	-	5.5	3.0	2.5
CM3-25	M3	25	20	5.5	3.0	2.5
CM3-30	M3	30	20	5.5	3.0	2.5
CM3-35	M3	35	20	5.5	3.0	2.5
CM4-6	M4	6	-	7.0	4.0	3.0
CM4-8	M4	8	-	7.0	4.0	3.0
CM4-10	M4	10	-	7.0	4.0	3.0
CM4-12	M4	12	-	7.0	4.0	3.0
CM4-16	M4	16	-	7.0	4.0	3.0
CM4-20	M4	20	-	7.0	4.0	3.0
CM4-25	M4	25	-	7.0	4.0	3.0
CM4-30	M4	30	25	7.0	4.0	3.0
CM4-35	M4	35	25	7.0	4.0	3.0
CM4-40	M4	40	25	7.0	4.0	3.0
CM4-50	M4	50	25	7.0	4.0	3.0
CM5-8	M5	8	-	8.5	5.0	4.0
CM5-10	M5	10	-	8.5	5.0	4.0

Part Number	Thread M	L	L1	Dk	H	A/F
CM5-12	M5	12	-	8.5	5	4
CM5-16	M5	16	-	8.5	5	4
CM5-20	M5	20	-	8.5	5	4
CM5-25	M5	25	-	8.5	5	4
CM5-30	M5	30	25	8.5	5	4
CM5-35	M5	35	25	8.5	5	4
CM5-40	M5	40	25	8.5	5	4
CM5-45	M5	45	25	8.5	5	4
CM5-50	M5	50	25	8.5	5	4
CM5-60	M5	60	25	8.5	6	4
CM5-70	M5	70	25	8.5	6	4
CM6-8	M6	8	-	10.0	6	5
CM6-10	M6	10	-	10.0	6	5
CM6-12	M6	12	-	10.0	6	5
CM6-16	M6	16	-	10.0	6	5
CM6-20	M6	20	-	10.0	6	5
CM6-25	M6	25	-	10.0	6	5
CM6-30	M6	30	-	10.0	6	5
CM6-35	M6	35	30	10.0	6	5
CM6-40	M6	40	30	10.0	6	5
CM6-45	M6	45	30	10.0	6	5
CM6-50	M6	50	30	10.0	6	5
CM6-55	M6	55	30	10.0	6	5
CM6-60	M6	60	30	10.0	6	5
CM6-70	M6	70	30	10.0	6	5
CM6-80	M6	80	30	10.0	6	5
CM6-90	M6	90	30	10.0	6	5
CM6-100	M6	100	30	10.0	8	5
CM6-110	M6	110	30	10.0	8	5
CM8-10	M8	10	-	13.0	8	6
CM8-12	M8	12	-	13.0	8	6
CM8-16	M8	16	-	13.0	8	6
CM8-20	M8	20	-	13.0	8	6
CM8-25	M8	25	-	13.0	8	6
CM8-30	M8	30	-	13.0	8	6
CM8-35	M8	35	-	13.0	8	6
CM8-40	M8	40	35	13.0	8	6
CM8-45	M8	45	35	13.0	8	6
CM8-50	M8	50	35	13.0	8	6
CM8-55	M8	55	35	13.0	8	6
CM8-60	M8	60	35	13.0	8	6
CM8-70	M8	70	35	13.0	8	6
CM8-80	M8	80	35	13.0	8	6
CM8-90	M8	90	35	13.0	10	6
CM8-100	M8	100	35	13.0	10	6

Material

A2 Stainless Steel. Also available in A4 Stainless Steel, P.O.A.

Nominal screws are threaded within 2.5 thread pitches of the head. L1 dimension may be as above depending on manufacturing preference.

Maximum Operating Temperature: +430°C.

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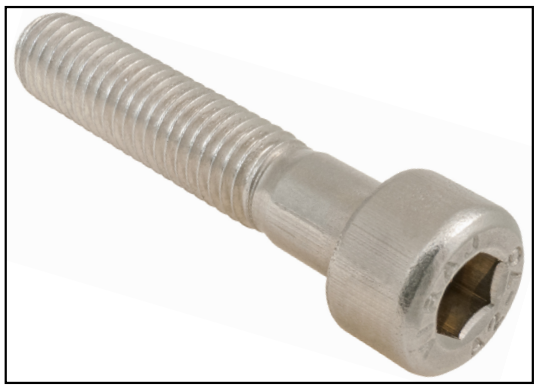
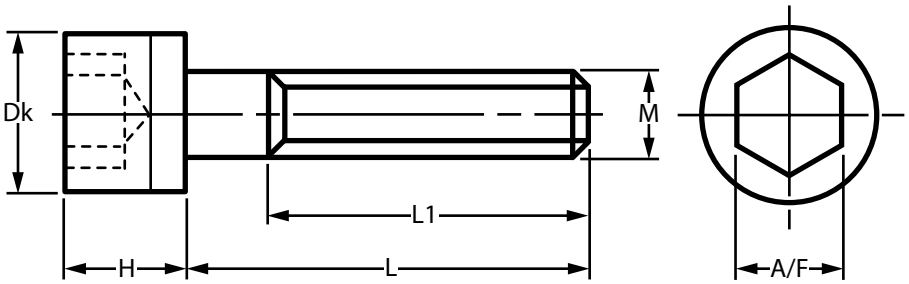
FASTENERS

AM

Socket Head Cap Screws

Stainless Steel : DIN 912-A2 : M10 - M30





Part Number	Thread M	L	L1	Dk	H	A/F
CM10-16	M10	16	-	16	10	8
CM10-20	M10	20	-	16	10	8
CM10-25	M10	25	-	16	10	8
CM10-30	M10	30	-	16	10	8
CM10-35	M10	35	-	16	10	8
CM10-40	M10	40	-	16	10	8
CM10-45	M10	45	40	16	10	8
CM10-50	M10	50	40	16	10	8
CM10-55	M10	55	40	16	10	8
CM10-60	M10	60	40	16	10	8
CM10-70	M10	70	40	16	10	8
CM10-80	M10	80	40	16	10	8
CM10-90	M10	90	40	16	10	8
CM10-100	M10	100	40	16	10	8
CM12-16	M12	16	-	18	12	10
CM12-20	M12	20	-	18	12	10
CM12-25	M12	25	-	18	12	10
CM12-30	M12	30	-	18	12	10
CM12-35	M12	35	-	18	12	10
CM12-40	M12	40	-	18	12	10
CM12-45	M12	45	-	18	12	10
CM12-50	M12	50	-	18	12	10
CM12-55	M12	55	50	18	12	10
CM12-60	M12	60	50	18	12	10
CM12-70	M12	70	50	18	12	10
CM12-80	M12	80	50	18	12	10
CM12-90	M12	90	50	18	12	10
CM12-100	M12	100	50	18	12	10
CM16-25	M16	25	-	21	14	12
CM16-30	M16	30	-	21	14	12
CM16-35	M16	35	-	21	14	12
CM16-40	M16	40	-	21	14	12
CM16-45	M16	45	-	21	14	12
CM16-50	M16	50	-	21	14	12
CM16-55	M16	55	-	21	14	12
CM16-60	M16	60	-	21	14	12
CM16-65	M16	65	60	21	14	12
CM16-70	M16	70	60	21	14	12
CM16-75	M16	75	60	21	14	12
CM16-80	M16	80	60	21	14	12
CM16-90	M16	90	60	21	14	12
CM16-100	M16	100	60	21	14	12
CM16-110	M16	110	60	21	14	12
CM16-120	M16	120	60	21	14	12
CM16-130	M16	130	60	21	14	12

Part Number	Thread M	L	L1	Dk	H	A/F
CM16-140	M16	140	60	21	14	12
CM16-150	M16	150	60	21	14	12
CM20-35	M20	35	-	30	20	17
CM20-40	M20	40	-	30	20	17
CM20-45	M20	45	-	30	20	17
CM20-50	M20	50	-	30	20	17
CM20-55	M20	55	-	30	20	17
CM20-60	M20	60	-	30	20	17
CM20-65	M20	65	-	30	20	17
CM20-70	M20	70	-	30	20	17
CM20-75	M20	75	-	30	20	17
CM20-80	M20	80	75	30	20	17
CM20-90	M20	90	75	30	20	17
CM20-100	M20	100	75	30	20	17
CM20-110	M20	110	75	30	20	17
CM20-120	M20	120	75	30	20	17
CM20-130	M20	130	75	30	20	17
CM20-140	M20	140	75	30	20	17
CM20-150	M20	150	75	30	20	17
CM24-50	M24	50	-	36	24	19
CM24-60	M24	60	-	36	24	19
CM24-70	M24	70	-	36	24	19
CM24-80	M24	80	-	36	24	19
CM24-90	M24	90	80	36	24	19
CM24-100	M24	100	80	36	24	19
CM24-110	M24	110	80	36	24	19
CM24-120	M24	120	80	36	24	19
CM24-130	M24	130	80	36	24	19
CM24-140	M24	140	80	36	24	19
CM24-150	M24	150	80	36	24	19
CM30-60	M30	60	-	45	30	22
CM30-70	M30	70	-	45	30	22
CM30-80	M30	80	-	45	30	22
CM30-90	M30	90	-	45	30	22
CM30-100	M30	100	-	45	30	22
CM30-110	M30	110	100	45	30	22
CM30-120	M30	120	100	45	30	22
CM30-130	M30	130	100	45	30	22
CM30-140	M30	140	100	45	30	22
CM30-150	M30	150	100	45	30	22

Material

A2 Stainless Steel. Also available in A4 Stainless Steel, P.O.A.

Nominal screws are threaded within 2.5 thread pitches of the head. L1 dimension may be as above depending on manufacturing preference.

Maximum Operating Temperature: +430°C.

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Product information updated May 2017 and subject to change. Please click the product links for prices and availability.

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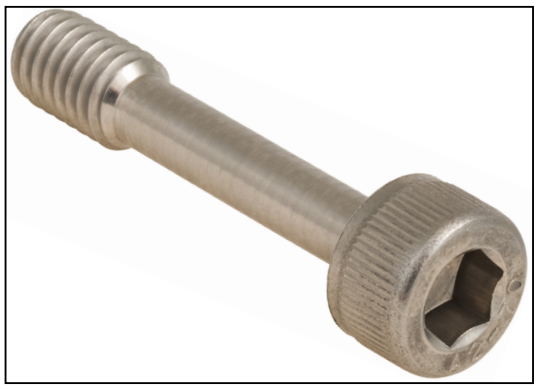
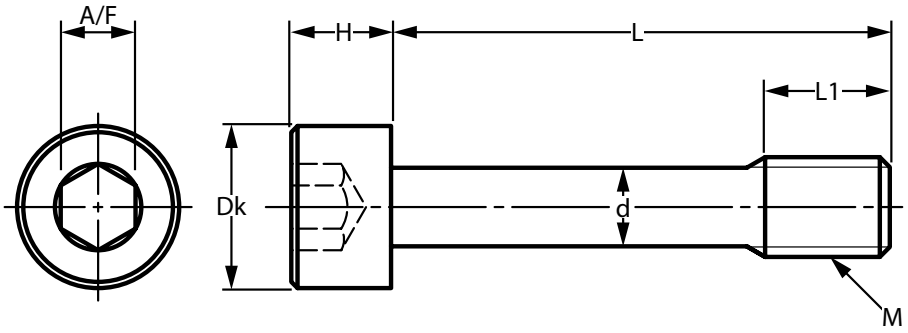
FASTENERS

SSC

Socket Head Cap Captive Screws

Stainless Steel : M3 - M8





Part Number	Thread M	L	L1	Dk	H	A/F	$d^{+0.0}_{-0.3}$	Mass g
SSC-M3X8	M3	8	4	5.5	3	2.5	2.2	0.80
SSC-M3X10	M3	10	4	5.5	3	2.5	2.2	0.88
SSC-M3X12	M3	12	4	5.5	3	2.5	2.2	0.96
SSC-M3X16	M3	16	4	5.5	3	2.5	2.2	1.20
SSC-M4X10	M4	10	5	7.0	4	3.0	3.0	1.80
SSC-M4X12	M4	12	5	7.0	4	3.0	3.0	2.00
SSC-M4X16	M4	16	5	7.0	4	3.0	3.0	2.30
SSC-M4X20	M4	20	5	7.0	4	3.0	3.0	2.70
SSC-M5X12	M5	12	6	8.5	5	4.0	3.9	3.00
SSC-M5X16	M5	16	6	8.5	5	4.0	3.9	3.50
SSC-M5X20	M5	20	6	8.5	5	4.0	3.9	4.00
SSC-M5X25	M5	25	6	8.5	5	4.0	3.9	4.80
SSC-M6X12	M6	12	8	10.0	6	5.0	4.5	5.10
SSC-M6X16	M6	16	8	10.0	6	5.0	4.5	5.80
SSC-M6X20	M6	20	8	10.0	6	5.0	4.5	6.50
SSC-M6X25	M6	25	8	10.0	6	5.0	4.5	7.60
SSC-M6X30	M6	30	8	10.0	6	5.0	4.5	8.30
SSC-M8X16	M8	16	10	13.0	8	6.0	6.3	12.00
SSC-M8X20	M8	20	10	13.0	8	6.0	6.3	13.00
SSC-M8X25	M8	25	10	13.0	8	6.0	6.3	15.00
SSC-M8X30	M8	30	10	13.0	8	6.0	6.3	17.00
SSC-M8X35	M8	35	10	13.0	8	6.0	6.3	19.00
SSC-M8X40	M8	40	10	13.0	8	6.0	6.3	21.00

Material

SUSXM7 Stainless Steel (A2 Equivalent).

NOTE: The inner diameter of the screw hole of the cover must be equal or larger than dimension d and the thickness of the cover must be 0.8 mm or more.

Features

For securement of protective and inspection covers that are frequently installed and removed without risk of screw loss and compliance with CE marked products. Used with machine tools, food industry machines, and electrical and electronic equipment.

Captive screws with special specifications for dimensions, shapes, materials, and surface treatments are also available.

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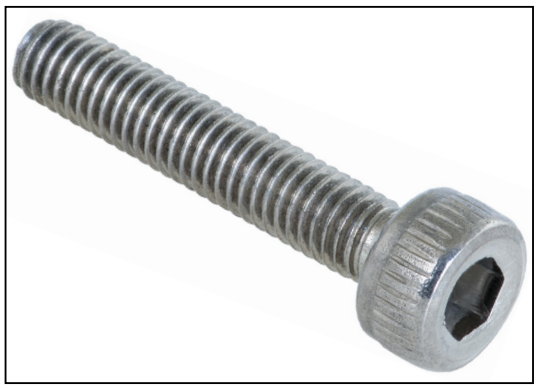
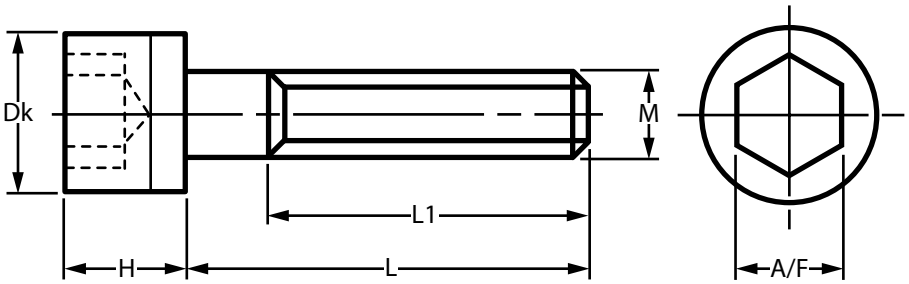
FASTENERS

SNST

Socket Head Cap Screws

Titanium : M3 - M6





Part Number	Thread M	L	Dk	H	A/F	L1	Tensile Breaking Force* (N)	Tightening Torque Nm	Mass g
SNST-M3X5	M3	5	5.5	3	2.5	Full Thread	3,210	1.5	0.38
SNST-M3X6	M3	6	5.5	3	2.5	Full Thread	3,210	1.5	0.40
SNST-M3X8	M3	8	5.5	3	2.5	Full Thread	3,210	1.5	0.45
SNST-M3X10	M3	10	5.5	3	2.5	Full Thread	3,210	1.5	0.50
SNST-M3X12	M3	12	5.5	3	2.5	Full Thread	3,210	1.5	0.54
SNST-M3X16	M3	16	5.5	3	2.5	Full Thread	3,210	1.5	0.66
SNST-M3X20	M3	20	5.5	3	2.5	Full Thread	3,210	1.5	0.77
SNST-M4X8	M4	8	7.0	4	3.0	Full Thread	5,610	3.4	0.94
SNST-M4X10	M4	10	7.0	4	3.0	Full Thread	5,610	3.4	1.00
SNST-M4X12	M4	12	7.0	4	3.0	Full Thread	5,610	3.4	1.10
SNST-M4X16	M4	16	7.0	4	3.0	Full Thread	5,610	3.4	1.30
SNST-M4X20	M4	20	7.0	4	3.0	Full Thread	5,610	3.4	1.50
SNST-M4X25	M4	25	7.0	4	3.0	Full Thread	5,610	3.4	1.80
SNST-M4X30	M4	30	7.0	4	3.0	20	5,610	3.4	2.10
SNST-M5X10	M5	10	8.5	5	4.0	Full Thread	9,080	7.1	1.50
SNST-M5X12	M5	12	8.5	5	4.0	Full Thread	9,080	7.1	1.70
SNST-M5X16	M5	16	8.5	5	4.0	Full Thread	9,080	7.1	2.00
SNST-M5X20	M5	20	8.5	5	4.0	Full Thread	9,080	7.1	2.30
SNST-M5X25	M5	25	8.5	5	4.0	Full Thread	9,080	7.1	2.70
SNST-M5X30	M5	30	8.5	5	4.0	22	9,080	7.1	3.10
SNST-M5X35	M5	35	8.5	5	4.0	22	9,080	7.1	3.60
SNST-M6X10	M6	10	10.0	6	5.0	Full Thread	12,800	12.0	2.70
SNST-M6X12	M6	12	10.0	6	5.0	Full Thread	12,800	12.0	2.90
SNST-M6X16	M6	16	10.0	6	5.0	Full Thread	12,800	12.0	3.30
SNST-M6X20	M6	20	10.0	6	5.0	Full Thread	12,800	12.0	3.70
SNST-M6X25	M6	25	10.0	6	5.0	Full Thread	12,800	12.0	4.30
SNST-M6X30	M6	30	10.0	6	5.0	Full Thread	12,800	12.0	4.70
SNST-M6X35	M6	35	10.0	6	5.0	24	12,800	12.0	5.60
SNST-M6X40	M6	40	10.0	6	5.0	24	12,800	12.0	6.20
SNST-M6X45	M6	45	10.0	6	5.0	24	12,800	12.0	6.90
SNST-M6X50	M6	50	10.0	6	5.0	24	12,800	12.0	7.50

Material

TB340C (Grade 2 Titanium).

SSHT low profile cap screw available, P.O.A.
SNSTG High Intensity Titanium Alloy - Ti-6Al-4V (64 Titanium) - available, P.O.A.

Specific Gravity: 4.51.
Melting Point: 1668°C.
Longitudinal Elastic Modulus: 106 GPa.
Thermal Conductivity: 17.16 W/(m•K).
Linear Expansion Coefficient: 8.4 x 10^{-6} °K^{-1}.
Electrical Resistance: 0.55 μΩ•m.
Amplitude Permeability:1.0001μ (Nonmagnetic).
Tensile Strength: 340-510 N/mm^2.
0.2% Proof Stress: 215 (or higher) N/mm^2.
Elongation: 23% (or higher).

*The Tensile Breaking Force values listed are for reference only and are not guaranteed under performance conditions.

Features

- The specific gravity of titanium is approximately 60% that of stainless steel. For use in lightweight applications, e.g. automotive, aerospace, medical and robotics.
- Completely Nonmagnetic (0 Magnetic Flux Density). Nonmagnetic characteristics may be used with FPD (Flat Panel Display) and semiconductor production equipment and devices, and electronic equipment.
- Excellent chemical and seawater resistance for electrochemical plating and aquatic applications.
- Chemical polishing and brightening processing improve the screw surface. Furthermore, the screws are cleanroom washed, cleanroom packed, and comply with clean specifications that require no oil or foreign matter deposits.
- For information on chemical resistance test details please contact Sales.

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Product information updated May 2017 and subject to change. Please click the product links for prices and availability.
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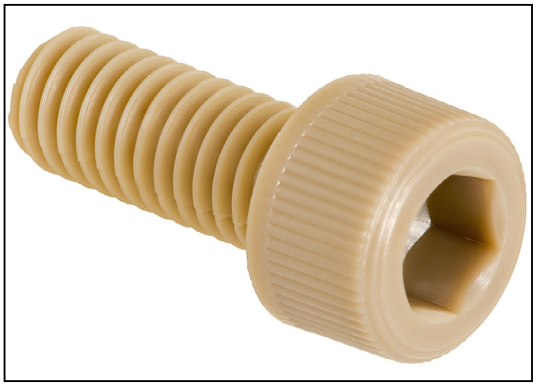
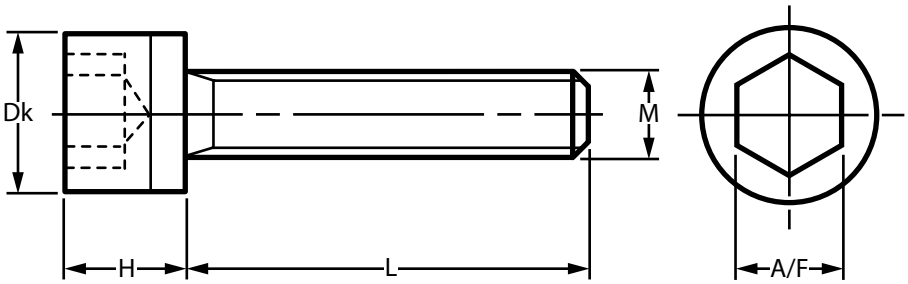
FASTENERS

SPE-C

Socket Head Cap Screws

PEEK† : M3 - M8





Part Number	Thread M	L	Dk	H	A/F	Tensile Breaking Force* (N)	Torsional Breaking Torque* (Nm)	Mass g	Quantity per Pack
SPE-M3X6-C	M3	6	5.5	3	2.5	430	0.30	0.12	20
SPE-M3X8-C	M3	8	5.5	3	2.5	430	0.30	0.13	20
SPE-M3X10-C	M3	10	5.5	3	2.5	430	0.30	0.15	20
SPE-M3X12-C	M3	12	5.5	3	2.5	430	0.30	0.16	20
SPE-M3X15-C	M3	15	5.5	3	2.5	430	0.30	0.19	20
SPE-M3X20-C	M3	20	5.5	3	2.5	430	0.30	0.23	20
SPE-M3X25-C	M3	25	5.5	3	2.5	430	0.30	0.27	20
SPE-M4X6-C	M4	6	7.0	4	3.0	765	0.64	0.25	20
SPE-M4X8-C	M4	8	7.0	4	3.0	765	0.64	0.28	20
SPE-M4X10-C	M4	10	7.0	4	3.0	765	0.64	0.30	20
SPE-M4X12-C	M4	12	7.0	4	3.0	765	0.64	0.33	20
SPE-M4X15-C	M4	15	7.0	4	3.0	765	0.64	0.38	20
SPE-M4X20-C	M4	20	7.0	4	3.0	765	0.64	0.44	20
SPE-M4X25-C	M4	25	7.0	4	3.0	765	0.64	0.53	20
SPE-M4X30-C	M4	30	7.0	4	3.0	765	0.64	0.61	20
SPE-M5X6-C	M5	6	8.5	5	4.0	1,230	1.28	0.37	10
SPE-M5X8-C	M5	8	8.5	5	4.0	1,230	1.28	0.41	10
SPE-M5X10-C	M5	10	8.5	5	4.0	1,230	1.28	0.45	10
SPE-M5X12-C	M5	12	8.5	5	4.0	1,230	1.28	0.49	10
SPE-M5X15-C	M5	15	8.5	5	4.0	1,230	1.28	0.58	10
SPE-M5X20-C	M5	20	8.5	5	4.0	1,230	1.28	0.67	10
SPE-M5X25-C	M5	25	8.5	5	4.0	1,230	1.28	0.80	10
SPE-M5X30-C	M5	30	8.5	5	4.0	1,230	1.28	0.93	10
SPE-M6X10-C	M6	10	10.0	6	5.0	1,670	2.26	0.78	10
SPE-M6X12-C	M6	12	10.0	6	5.0	1,670	2.26	0.85	10
SPE-M6X15-C	M6	15	10.0	6	5.0	1,670	2.26	0.96	10
SPE-M6X20-C	M6	20	10.0	6	5.0	1,670	2.26	1.10	10
SPE-M6X25-C	M6	25	10.0	6	5.0	1,670	2.26	1.30	10
SPE-M6X30-C	M6	30	10.0	6	5.0	1,670	2.26	1.40	10
SPE-M6X40-C	M6	40	10.0	6	5.0	1,670	2.26	1.80	10
SPE-M8X15-C	M8	15	13.0	8	6.0	3,090	5.98	2.00	5
SPE-M8X20-C	M8	20	13.0	8	6.0	3,090	5.98	2.20	5
SPE-M8X25-C	M8	25	13.0	8	6.0	3,090	5.98	2.50	5
SPE-M8X30-C	M8	30	13.0	8	6.0	3,090	5.98	2.80	5
SPE-M8X40-C	M8	40	13.0	8	6.0	3,090	5.98	3.50	5

Material

PEEK (Polyetheretherketone), light brown. †PEEK is a registered trademark of Vitre™.

Heat Resistance Temperature: 180°C. This is the value for the plastic material. The maximum operating temperature of the product changes with performance conditions such as tightening torque.

*Numerical values listed above are for reference only; they are not guaranteed under performance conditions. The recommended torque is 50% of the numerical values.

Precautions for Use

Because a cumulative pitch difference is created when PEEK screws are manufactured, use these screws with nuts. If a nut is not used, use a 20 mm or less fit with female thread.

Features

- PEEK is a thermoplastic super-engineering plastic with excellent physical and chemical properties.
- These screws have excellent chemical resistance. They are mostly unaffected by chemicals excluding concentrated sulfuric, nitric and hydrofluoric acid.
- These screws have excellent heat resistance, water resistance, and high heat resistance strength.
- These screws have excellent abrasion, shock, and fatigue resistance.
- They have high incombustibility that meets V-0 of UL 94.

Applications

FPD production equipment, semiconductor devices, PCB etching devices, metallic surface treatment equipment and facilities, chemical plants, transformers, electrical and electronic equipment, hot water pumps, and chemical pumps.

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