

GRUB SCREW METRIC

APPLICATION

Bremick® Grub screws are used to securely locate or lock components within assemblies, providing reliable holding force without protruding heads in applications where a flush finish is required.

PRODUCT ATTRIBUTES

Material Class: Alloy Steel Class 45H

Thread Form: Metric 6g

Finish: Plain/Black/Natural

Standard: Complies to DIN 916:1980

Mechanical Properties: Complies to ISO 898.5:2012

Chemical Composition: Complies to ISO 898.5:2012

BLACK

MECHANICAL PROPERTIES

PROPERTY CLASS	HARDNESS	
	VICKERS (HV)	
	MIN	MAX
45H	450	560

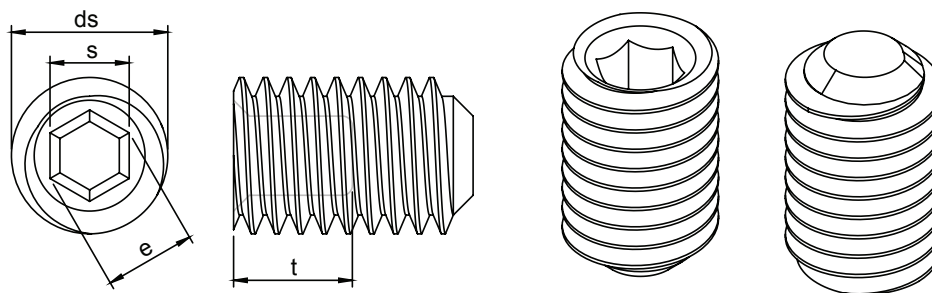
CHEMICAL COMPOSITION (%)

MATERIAL	C		P	S
	MIN	MAX	MAX	MAX
ALLOY STEEL	0.19	0.50	0.05	0.05

FINISH INFORMATION

PLAIN / BLACK / NATURAL		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

DIMENSIONAL DATA (mm)



DIAMETER	PITCH (mm)	CUP POINT DIAMETER		ACROSS FLATS (s)		ACROSS CORNERS (e)	KEY ENGAGEMENT (t)	
NOMINAL	NOMINAL	MIN	MAX	MIN	MAX	MIN	MIN	MAX
M1.4	0.30	0.45	0.7	0.711	0.720	0.803	0.60	1.40
M1.6	0.35	0.55	0.8	0.711	0.724	0.803	0.70	1.50
M2	0.40	0.75	1	0.889	0.900	1.003	0.80	1.70
M2.5	0.45	0.95	1.2	1.27	1.295	1.427	1.20	2.00
M3	0.50	1.15	1.4	1.52	1.545	1.73	1.20	2.00
M4	0.70	1.75	2	2.02	2.045	2.30	1.50	2.50
M5	0.80	2.25	2.5	2.52	2.56	2.87	2.00	3.00
M6	1.00	2.75	3	3.02	3.08	3.44	2.00	3.50
M8	1.25	4.7	5	4.02	4.095	4.58	3.00	5.00
M10	1.50	5.70	6	5.02	5.095	5.72	4.00	6.00
M12	1.75	7.64	8	6.02	6.095	6.86	4.80	8.00
M16	2.00	9.64	10	8.025	8.115	9.15	6.40	10.00
M20	2.50	13.57	14	10.025	10.115	11.43	8.00	12.00
M24	3.00	15.57	16	12.032	12.142	13.72	10.00	15.00

SOCKET OR SPANNER SIZE (mm)

DIAMETER	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
SOCKET SIZE	0.7	0.7	0.9	1.3	1.5	2	2.5	3	4	5	6	8	10	12