

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:	Zinc Plated
Standard:	Complies to DIN 916:1980
Mechanical Properties:	Complies to ISO 898.5:2012
Chemical Composition:	Complies to ISO 898.5:2012

MECHANICAL PROPERTIES

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

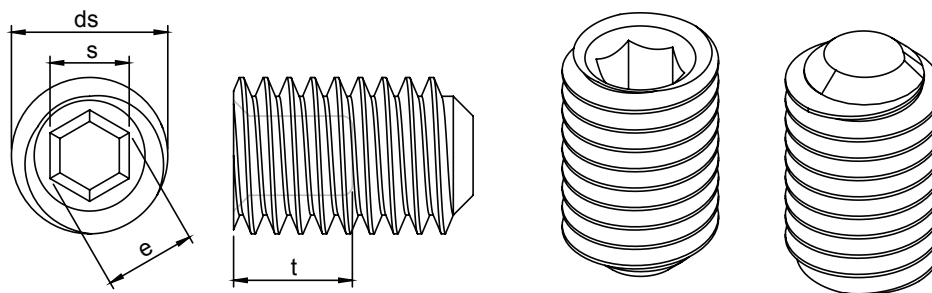
CHEMICAL COMPOSITION (%)

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

FINISH INFORMATION

ZINC PLATED		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Zinc Plating is a process of depositing a thin layer of zinc onto the surface of a steel object through electroplating. The steel object is then passivated with a transparent conversion layer.	Bremick® Zinc Plated Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Zinc Plating complies with AS1789.	Low.

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