

GRUB SCREW UNC



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 ASTM F912
Thread Form:	Class 3A UNC Series
Finish:	Plain/Black/Natural
Standard:	Complies to ASME B18.3:2012
Mechanical Properties:	Complies to ASTM F912:2025
Chemical Composition:	Complies to ASTM F912:2025

MECHANICAL PROPERTIES

HARDNESS	
ROCKWELL (HRC)	
MIN	MAX
45	53

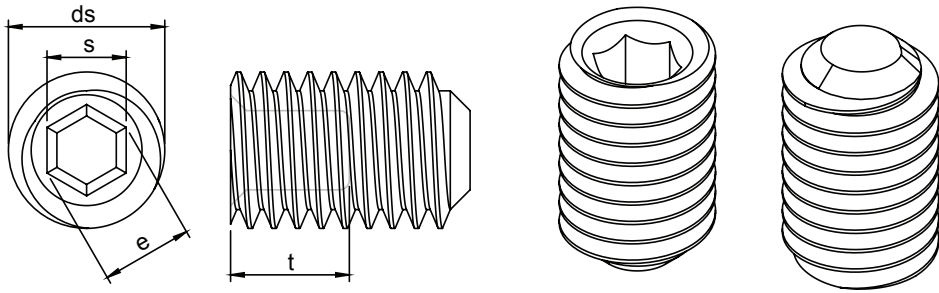
CHEMICAL COMPOSITION (%)

ANAYLSIS	C		P	S
	MIN	MAX	MAX	MAX
HEAT	0.30	0.48	0.035	0.040
PRODUCT	0.28	0.50	0.040	0.045

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 (inches)



DIAMETER	CUP POINT DIAMETER		ACROSS FLATS (s)	KEY ENGAGEMENT (t)
NOMINAL	MIN	MAX	NOMINAL	NOMINAL
#8	0.076	0.087	0.078	0.090
#10	0.088	0.102	0.094	0.100
1/4	0.118	0.132	0.125	0.125
5/16	0.156	0.172	0.156	0.156
3/8	0.194	0.212	0.188	0.188
7/16	0.232	0.252	0.219	0.219
1/2	0.270	0.291	0.250	0.250
5/8	0.347	0.371	0.312	0.312

SOCKET OR SPANNER SIZE (inches)

DIAMETER	#8	#10	1/4	5/16	3/8	7/16	1/2	5/8
SOCKET SIZE	5/64	3/32	1/8	5/32	3/16	7/32	1/4	5/16

Whilst every care was taken in the preparation of this publication, Bremick® accepts no responsibility for the accuracy of the information supplied. Bremick® reserves the right to make alterations to specifications as part of ongoing development and improvement. This publication serves as a guide and it's the responsibility of the end user to ensure suitability for their application.
The contents of this publication are the exclusive copyright of Bremick® and may not be reproduced without permission.

Bremick Pty Ltd
Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170
www.bremick.com.au