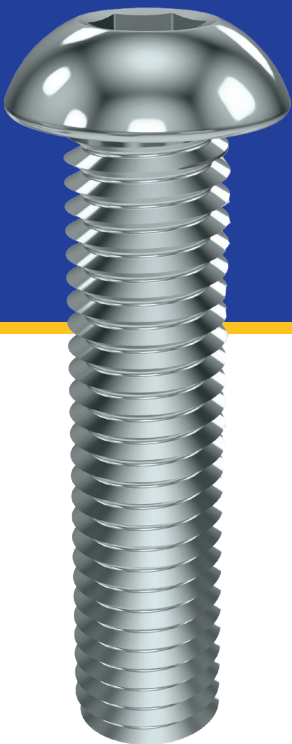


SOCKET BUTTON HEAD
SCREW
UNC



PLAIN

APPLICATION

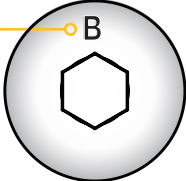
Bremick® Socket Button Head Screws are high-strength fasteners manufactured to precision tolerances for applications requiring a low-profile head, smooth external finish, and reliable tensile performance. They feature a domed head with an internal hex drive, providing controlled torque application and secure fastening.

PRODUCT ATTRIBUTES

Material Class:	Alloy Steel ASTM F835
Thread Form:	Class 3A UNRC
Finish:	Plain/Black/Natural
Standard:	Complies to ASME B18.3:2012
Mechanical Properties:	Complies to ASTM F835:2023
Chemical Composition:	Complies to ASTM F835:2023

HEAD MARKING

Manufacturer Mark



In some cases, the Bremick head mark will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES (Full-Size Tests)

DIAMETER (inches)	TENSILE STRENGTH (ksi)	HARDNESS			
		ROCKWELL (HRC)		VICKERS (DPH)	
NOMINAL	MIN	MIN	MAX	MIN	MAX
≤ 0.5"	144	39	44	382	434
> 0.5"	136	37	44	363	434

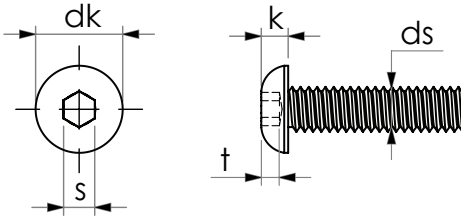
CHEMICAL COMPOSITION (%)

ANALYSIS	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	PITCH (Inches)	HEAD DIAMETER (dk)		HEAD HEIGHT (k)		HEXAGON SOCKET SIZE (s)	KEY ENGAGEMENT (t)
		MIN	MAX	MIN	MAX	MIN	MIN
10#	24	0.347	0.361	0.091	0.101	0.125	0.070
1/4	20	0.419	0.437	0.122	0.132	0.156	0.087
5/16	18	0.527	0.547	0.152	0.166	0.188	0.105
3/8	16	0.636	0.656	0.185	0.199	0.219	0.122
7/16	14	0.746	0.765	0.218	0.231	0.250	0.140
1/2	13	0.851	0.875	0.245	0.265	0.312	0.175
5/8	11	0.970	1.000	0.311	0.331	0.375	0.210
3/4	10	1.105	1.125	0.355	0.375	0.437	0.245

SOCKET OR SPANNER SIZE (Inches)

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

THREAD LENGTH

Thread length is equivalent to bolt length as socket button head set screws are fully threaded

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.
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