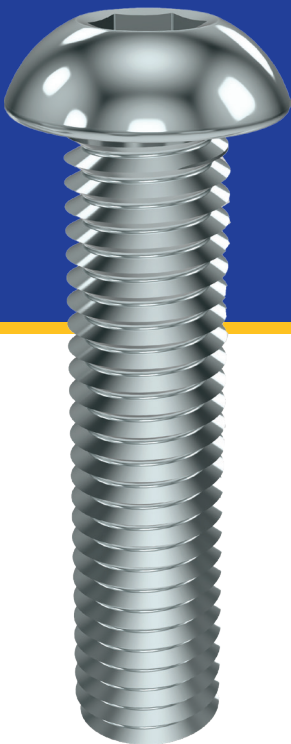


SOCKET BUTTON HEAD
SCREW
UNC



ZINC
PLATED

APPLICATION

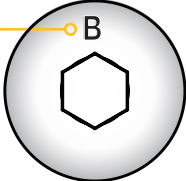
Bremick® Socket Button Head Screws are high-strength fasteners manufactured to precision tolerances for applications requiring a low-profile head, smooth external finish, and reliable tensile performance. They feature a domed head with an internal hex drive, providing controlled torque application and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

PRODUCT ATTRIBUTES

Material Class:	Alloy Steel ASTM F835
Thread Form:	Class 3A UNRC
Finish:	Zinc Plated
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

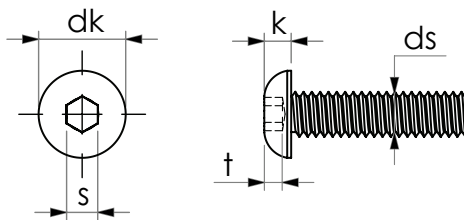
CHEMICAL COMPOSITION (%)

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

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 (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