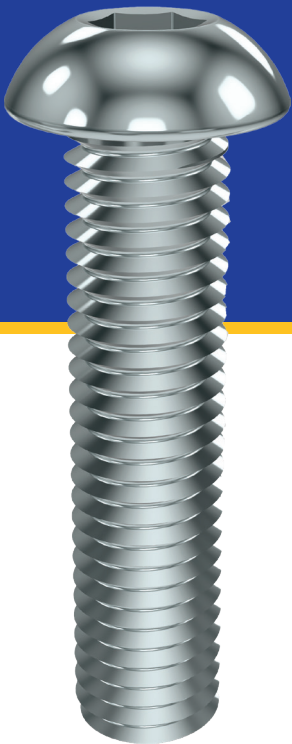


SOCKET BUTTON HEAD
SCREW UNC
STAINLESS STEEL



APPLICATION

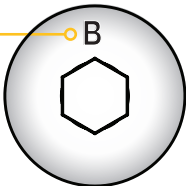
Bremick® Socket Button Head Screws are high-strength fasteners manufactured to precision tolerances for applications requiring a low-profile head, smooth external finish, and reliable tensile performance. They feature a domed head with an internal hex drive, providing controlled torque application and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

PRODUCT ATTRIBUTES

Material Class:	304 STAINLESS STEEL 1-CW
Thread Form:	Class 3A UNRC
Standard:	Complies to ASME B18.3:2012
Mechanical Properties:	Complies to ASTM F879:2023
Chemical Composition:	Complies to ASTM F879:2023

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 PRODUCT)

TENSILE STRENGTH (ksi)	EXTENSION	HARDNESS	
		VICKERS (HV)	ROCKWELL (HRA)
MIN	MIN	MIN	MIN
80	0.4D	150	50

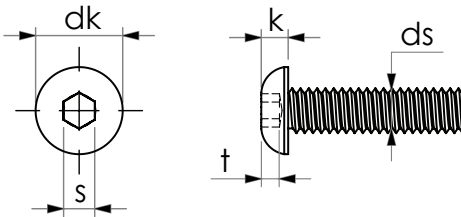
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Mn	P	S	Si	Cu	Ni	Cr
	MAX	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE
304	0.08	2.00	0.045	0.030	1.00	1.00	8.0-10.5	18.0-20.0

MATERIAL INFORMATION

STAINLESS STEEL 304		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
304 is the most commonly used stainless steel. It is an austenitic, offers excellent strength and corrosion resistance.	Bremick® 304 Stainless Steel provides an extreme level of protection and is recommended for wet external application. Bremick® 304 Stainless Steel is an austenitic stainless steel that offers all round performance.	Extreme

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 this socket button head screw is fully threaded