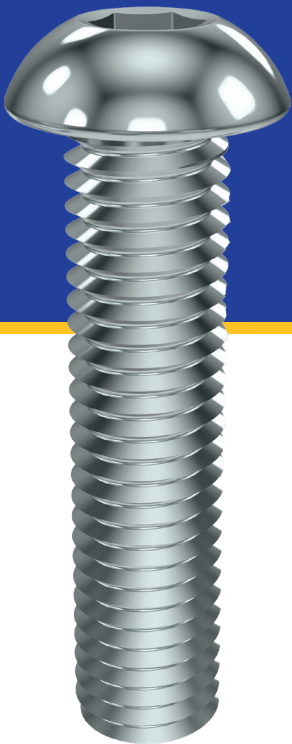


SOCKET BUTTON HEAD
SCREW A2-70 METRIC
STAINLESS STEEL



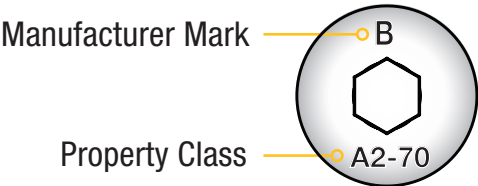
APPLICATION

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:	Stainless Steel A2-70
Thread Form:	Metric 6g
Standard:	Complies to ISO 7380:2022
Mechanical Properties:	Complies to ISO 3506-1:2020
Chemical Composition:	Complies to ISO 3506-1:2020

HEAD MARKING



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

MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (MPa)	STRESS AT 0.2% NON-PROPORTIONAL ELONGATION (MPa)	ELONGATION AFTER FRACTURE
	MIN	MIN	MIN
CLASS 70	700	450	0.4d

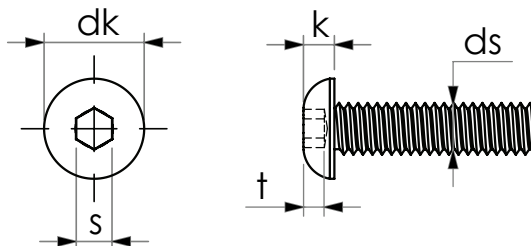
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX
A2	0.10	1.00	2.00	0.050	0.030	15.0-20.0	-	8.0-19.0	4.0

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 (mm)



DIAMETER	PITCH (mm)	SHAFT DIAMETER (ds)		HEAD DIAMETER (dk)		HEAD HEIGHT (k)		HEXAGON SOCKET SIZE (s)		HEXAGON SOCKET SIZE ACROSS CORNERS (e)	KEY ENGAGEMENT (t)	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX
M3	0.50	2.86	3.00	5.40	5.70	1.40	1.65	2.020	2.080	2.30	1.04	1.20
M4	0.70	3.82	4.00	7.24	7.60	1.95	2.20	2.520	2.580	2.87	1.30	1.65
M5	0.80	4.82	5.00	9.14	9.50	2.50	2.75	3.020	3.080	3.44	1.56	2.12
M6	1.00	5.82	6.00	10.07	10.50	3.00	3.30	4.020	4.095	4.58	2.08	2.26
M8	1.25	7.78	8.00	13.57	14.00	4.10	4.40	5.020	5.140	5.72	2.60	3.05
M10	1.50	9.78	10.00	17.07	17.50	5.20	5.50	6.020	6.140	6.86	3.12	3.75
M12	1.75	11.73	12.00	20.48	21.00	6.24	6.60	8.025	8.175	9.15	4.16	4.61
M16	2.00	15.73	16.00	27.48	28.00	8.44	8.80	10.025	10.175	11.43	5.20	6.19

SOCKET OR SPANNER SIZE (mm)

SCREW DIAMETER	M3	M4	M5	M6	M8	M10	M12	M16
SOCKET SIZE	2	2.5	3	4	5	6	8	10

THREAD LENGTH (mm)

NOMINAL LENGTH	M3	M4	M5	M6	M8	M10	M12	M16
6								
8								
10								
12								
16								
20								
25	18							
30	18	20	22					
35		20	22	24				
40		20	22	24	28			
45			22	24	28	32		
50			22	24	28	32		
55				24	28	32	36	
60				24	28	32	36	
65					28	32	36	
70					28	32	36	48
80					28	32	36	48
90						32	36	48
100								

SCREWS WITH TOO SHORT LENGTH

FULLY THREADED SCREWS

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