

SET SCREW
GRADE 2 BSW



APPLICATION

Bremick® Set Screw BSW Grade 2 bolts are designed for industrial and construction applications where moderate tensile performance is required

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 2
Thread Form:	Free Class
Finish:	Zinc Plated
Standard:	Complies to AS/NZS 2451:1998
Mechanical Properties:	Complies to AS/NZS 2451:1998
Chemical Composition:	Complies to AS/NZS 2451:1998

HEAD MARKING



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

MECHANICAL PROPERTIES (Full-Size Tests)

PROPERTIES	TENSILE STRENGTH (tonf/in²)	LOWER YIELD STRESS (tonf/in²)	HARDNESS					
			VICKERS (HV)		BRINELL (HB)		ROCKWELL (HRB)	
			MIN	MAX	MIN	MAX	MIN	MAX
GRADE 2	28	16	150	230	141	241	70	100

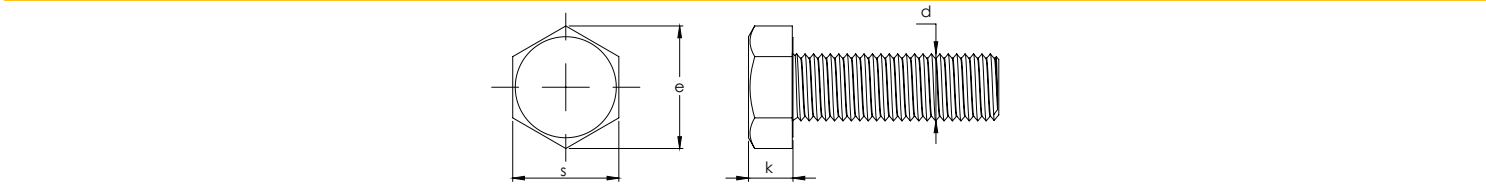
CHEMICAL COMPOSITION (%)

MATERIAL	C	P	S
	MAX	MAX	MAX
CARBON STEEL	0.55	0.05	0.06

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 (inches)	TPI	ACROSS FLATS (s)		ACROSS CORNERS (e)	HEAD HEIGHT (k)		MAJOR DIAMETER (d)
	BSW	MIN	MAX	MIN	MIN	MAX	MAX
1/4	20	0.435	0.445	0.510	0.166	0.186	0.280
5/16	18	0.515	0.525	0.610	0.208	0.228	0.342
3/8	16	0.585	0.600	0.690	0.250	0.270	0.405
7/16	14	0.695	0.710	0.820	0.292	0.312	0.468
1/2	12	0.800	0.820	0.950	0.333	0.363	0.530
5/8	11	0.985	1.010	1.120	0.417	0.447	0.665
3/4	10	1.175	1.200	1.340	0.500	0.530	0.790
7/8	9	1.270	1.300	1.450	0.583	0.623	0.915
1	8	1.450	1.480	1.650	0.666	0.706	1.040

SOCKET OR SPANNER SIZE (inches)

BOLT DIAMETER	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
SPANNER SIZE	7/16	1/2	9/16	5/8	3/4	15/16	1-1/8	1-5/16	1-1/2

THREAD LENGTH

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