

SET SCREW
CLASS 8.8 METRIC



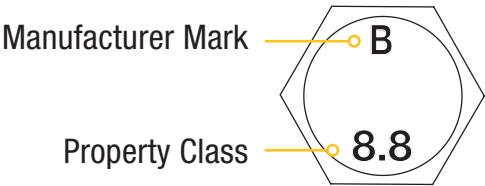
APPLICATION

Bremick® Hex Head Metric Class 8.8 set screws are designed for industrial and construction applications where high tensile superior performance is required

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 8.8
Thread Form:	Metric 6g
Finish:	Zinc Plated
Standard:	Complies to AS 1110.1:2015 - GRADE A
Mechanical Properties:	Complies to ISO 898.1:2013
Chemical Composition:	Complies to ISO 898.1:2013

HEAD MARKING



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

MECHANICAL PROPERTIES

PROPERTIES	TENSILE	STRESS UNDER	HARDNESS					
	STRENGTH (MPa)	PROOF LOAD (MPa)	VICKERS (HV)		BRINELL (HBW)		ROCKWELL (HRC)	
	MIN	NOM.	MIN	MAX	MIN	MAX	MIN	MAX
CLASS 8.8 ≤ M16	800	580	250	320	245	316	22	32
CLASS 8.8 >M16	830	600	255	335	250	331	23	34

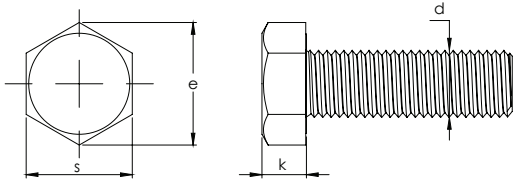
CHEMICAL COMPOSITION (%)

MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	0.25	0.55	0.025	0.025	0.003	425

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 (mm)



DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)	HEAD HEIGHT (k)	
		MIN	MAX	MIN	MIN	MAX
M5	0.8	7.78	8	8.79	3.35	3.65
M6	1	9.78	10	11.05	3.85	4.15
M8	1.25	12.73	13	14.38	5.15	5.45
M10	1.5	15.73	16	17.77	6.22	6.58
M12	1.75	17.73	18	20.03	7.32	7.68
M14	2	20.67	21	23.36	8.62	8.98
M16	2	23.67	24	26.75	9.82	10.18
M20	2.5	29.67	30	33.53	12.28	12.72
M24	3	35.38	36	39.98	14.78	15.22

Note: For lengths longer than 150mm or longer than 10 x diameter reference standard AS 1110.1:2015

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M5	M6	M8	M10	M12	M14	M16	M20	M24
SPANNER SIZE	8	10	13	16	18	21	24	30	36

THREAD LENGTH

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

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