

SET SCREW
CLASS 8.8 METRIC



BLACK

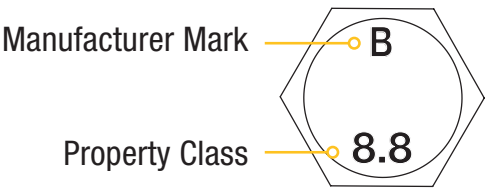
APPLICATION

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:	Plain/Black/Natural
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 STRENGTH (MPa)	STRESS UNDER PROOF LOAD (MPa)	HARDNESS					
	MIN	NOM.	VICKERS (HV)		BRINELL (HBW)		ROCKWELL (HRC)	
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 (%)

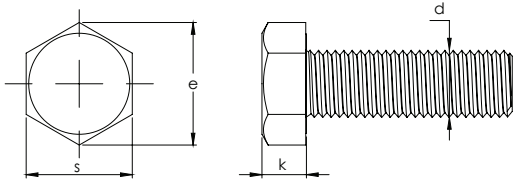
MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	0.25	0.55	0.025	0.025	0.003	425

FINISH INFORMATION

PLAIN / BLACK / NATURAL

DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

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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