

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:	6g
Finish:	Plain/Natural/Lightly Oiled
Standard:	Complies with AS1110.1 2015
Mechanical Properties:	Complies with AS4291.1 2015
Chemical Properties:	Complies with AS4291.1 2015

HEAD MARKING

Manufacturer Mark

B

Property Class

8.8

MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (MPa)	STRESS UNDER PROOF LOAD (MPa)	HARDNESS					
	MIN	NOM.	VICKERS (HV)		BRINELL (HBW)		ROCKWELL (HRC)	
			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

PLAIN / BLACK / NATURAL

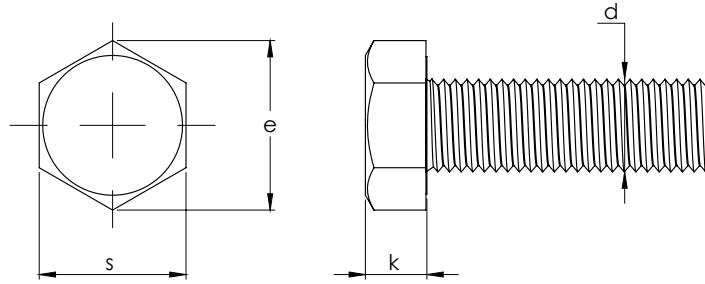
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
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Plain, black & natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.

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.

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DIMENSIONAL DATA (mm)



DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)	HEAD HEIGHT (k)		MAJOR DIAMETER (d)	
		MIN	MAX		MIN	MAX	MIN	MAX
M5	0.8	7.78	8	8.79	3.35	3.65	4.82	5
M6	1	9.78	10	11.05	3.85	4.15	5.82	6
M8	1.25	12.73	13	14.38	5.15	5.45	7.78	8
M10	1.5	15.73	16	17.77	6.22	6.58	9.78	10
M12	1.75	17.73	18	20.03	7.32	7.68	11.73	12
M14	2	20.67	21	23.36	8.62	8.98	13.73	14
M16	2	23.67	24	26.75	9.82	10.18	15.73	16
M20	2.5	29.67	30	33.53	12.28	12.72	19.67	20
M24	3	35.38	36	39.98	14.78	15.22	23.67	24

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