

# 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:** 6g

Finish: Plain/Natural/Lightly Oiled

Standard: Complies with AS1110.1 2015

Mechanical

**Properties:** Complies with AS4291.1 2015

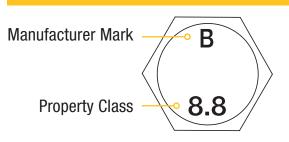
Chemical

**Properties:** Complies with AS4291.1 2015





### **HEAD MARKING**



# **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	
<b>CLASS</b> 8.8 ≤ <b>M</b> 16	800	580	250	320	245	316	22	32	
CLASS 8.8 >M16	830	600	255	335	250	331	23	34	

# **CHEMICAL COMPOSITION**

MATERIAL	С		P	S	В	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

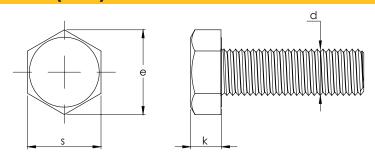
Plain, black & natural are all terms referring to the fastener not having a coating applied.

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 (s		ACROSS CORNERS (e)	HEAD HEIGHT (k)		MAJOR DIAMETER (d)	
	MIN	MAX	MIN	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)									
<b>BOLT DIAMETER</b>	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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