

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: 6q

Finish: Hot Dipped Galvanised

Standard: Complies to AS 1110.1 2015

Mechanical

Properties: Complies to AS/NZS 4291.1 2015

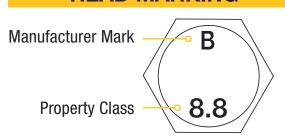
Chemical

Composition:: Complies to AS/NZS 4291.1 2015





HEAD MARKING



MECHANICAL PROPERTIES

PROPERTIES	TENSILE	STRESS UNDER PROOF LOAD (MPa)	HARDNESS						
	STRENGTH (MPa)		VICKE	RS (HV)	BRINEL	L (HBW)	ROCKWE	LL (HRC)	
	MIN	NOM.	MIN	MAX	MIN	MAX	MIN	MAX	
CLASS 8.8 ≤ M 16	800	580	250	320	245	316	22	32	
CLASS 8.8 >M16	830	600	255	335	250	331	23	34	

CHEMICAL COMPOSITION

MATERIAL	C		Р	S	В	TEMPERING TEMPERATURE °C	
WATERIAL	MIN	MAX	MAX	MAX	MAX	MIN	
CARBON STEEL	0.25	0.55	0.025	0.025	0.003	425	

FINISH INFORMATION

HOT DIPPED GALVANISED

DESCRIPTION OVERVIEW CORROSION RESISTANCE

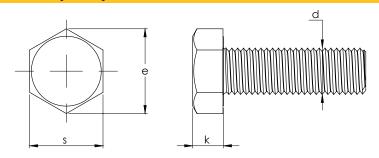
Hot Dipped Galvanised is a process of dipping a steel object into a molten bath of zinc (450 °C). The molten zinc adheres to the bolt surface covering all the corners and edges.

Bremick® Hot Dipped Galvanised Coating provides a moderate/ high level of corrosion protection and is recommended for damp external application. Bremick Hot Dipped Galvanised is both a Class 2 & Class 3 to AS/NZS 1214.

Moderate/High.



DIMENSIONAL DATA (mm)



DIAMETER	PITCH (mm)	ACROSS FLATS (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)										
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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