

SET SCREW

CLASS 8.8 METRIC



**HOT DIPPED
GALVANISED**

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: 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

Manufacturer Mark

B

Property Class

8.8

MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (MPa)	STRESS UNDER PROOF LOAD (MPa)	HARDNESS					
			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

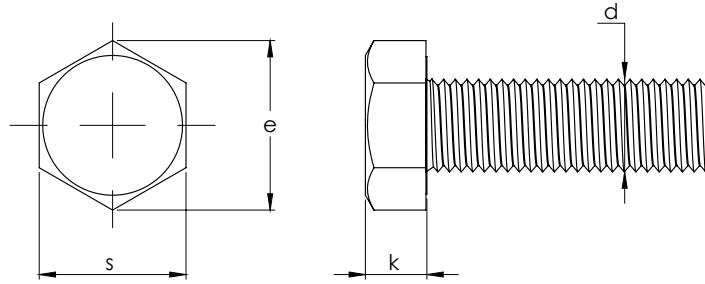
MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	0.25	0.55	0.025	0.025	0.003	425

FINISH INFORMATION

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	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