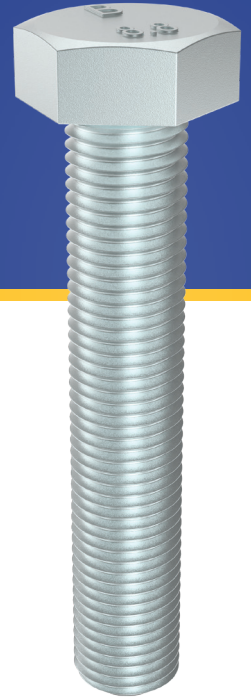


SET SCREW

CLASS 8.8 METRIC



ZINC
PLATED

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:	Zinc Plated
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					
			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

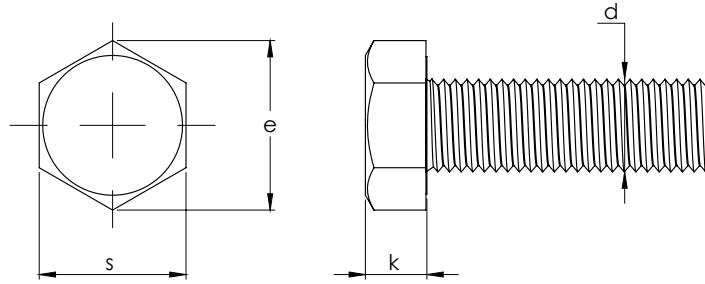
MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	0.25	0.55	0.025	0.025	0.003	425

FINISH INFORMATION

ZINC PLATED

DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Zinc Plating is a process of depositing a thin layer of zinc onto the surface of a steel object through electroplating. The steel object is then passivated with a transparent conversion layer.	Bremick Zinc Plated Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick Zinc Plated is a Class 1 to AS 1789.	Low.

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