

FASCIA BOLT CLASS 4.6 METRIC



ZINC
PLATED

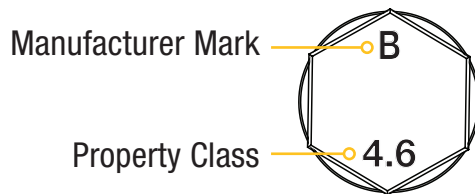
APPLICATION

Bremick® Fascia assemblies are designed for applications that require an oversized, low-profile head. The oversized head distributes the clamping force over a larger area making them suitable for light gauge structural steel applications.

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 4.6
Thread Form:	6g
Finish:	Zinc Plated
Standard:	Complies to Bremick Specification
Mechanical Properties:	Bolt complies to AS 4291.1:2015 Nut complies to AS 4291.2:2016
Chemical Composition:	Bolt complies to AS 4291.1:2015 Nut complies to AS 4291.2:2016

HEAD MARKING



In some cases, the Bremick head mark will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES

COMPONENTS	PROOF LOAD (N)	TENSILE STRENGTH (MPa)	STRESS UNDER PROOF LOAD (MPa)	HARDNESS					
				VICKERS (HV)		BRINELL (HBW)		ROCKWELL (HRB/HRC)	
				MIN	MAX	MIN	MAX	MIN	MAX
BOLT - CLASS 4.6	-	400	225	120	220	114	209	67	95 HRB
NUT - CLASS 4	32000	-	-	188	302	179	287	-	30 HRC

CHEMICAL COMPOSITION (%)

MATERIAL	C	P	S	Mn
	MIN	MAX	MAX	MIN
BOLT MATERIAL - CARBON STEEL	0.55	0.050	0.060	N/A
NUT MATERIAL - CARBON STEEL	0.58	0.060	0.15	0.25

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 Plating complies with AS1789.

Low.

DIMENSIONAL DATA (mm)

Diameter	PITCH (mm)	BOLT				NUT					WASHER							
		ACROSS FLATS (s)		HEAD HEIGHT (k)		ACROSS FLATS (s)		ACCROSS CORNER (e)		NUT HEIGHT (k)		INSIDE DIAMETER (id)		OUTSIDE DIAMETER (od)		THICKNESS (n)		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MIN	MAX		
M12	1.75	23.16	24.00	5.55	6.45	17.73	18.00	20.03		10.37	10.80	13.20	14.00	27.50	28.50	2.25	2.00	2.50

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M12	NUT DIAMETER	M12
SPANNER SIZE	24	SPANNER SIZE	18

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