

FASCIA BOLT CLASS 4.6 METRIC



**HOT DIPPED
GALVANISED**

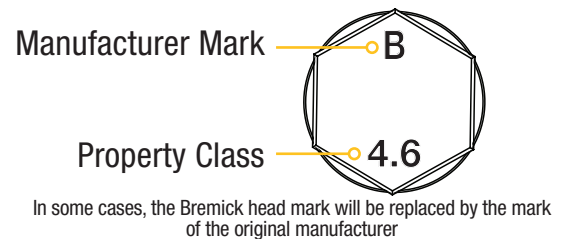
APPLICATION

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:	Hot Dipped Galvanised
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



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

HOT DIPPED GALVANISED

DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Hot Dipped Galvanised is a process of dipping a steel object into a molten bath of zinc (455° - 480°C). The molten zinc adheres to the anchor 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 Galvanising complies with AS/NZS 1214.	Moderate/High.

DIMENSIONAL DATA (mm)

		BOLT				NUT					WASHER						
Diameter	PITCH (mm)	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	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