

HOLD DOWN BOLT CLASS 4.6 METRIC

APPLICATION

Bremick® hold down bolts are engineered to be cast into concrete and used to anchor steel structures.

HOT DIPPED
GALVANISED



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 4.6
Thread Form:	Metric 6g
Finish:	Hot Dipped Galvanised
Standard:	Complies to Bremick® Specification
Mechanical Properties:	Complies to ISO 898.1:2013
Chemical Composition:	Complies to ISO 898.1:2013

MECHANICAL PROPERTIES

PROPERTIES	TENSILE	STRESS UNDER	HARDNESS					
	STRENGTH (MPa)	PROOF LOAD (MPa)	VICKERS (HV)		BRINELL (HBW)		ROCKWELL (HRB)	
	MIN	NOM.	MIN	MAX	MIN	MAX	MIN	MAX
CLASS 4.6	400	225	120	220	114	209	67	95

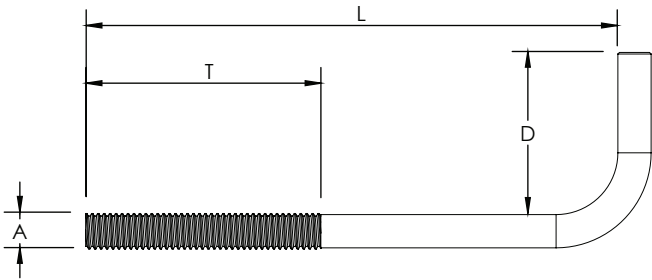
CHEMICAL COMPOSITION (%)

MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	-	0.55	0.050	0.060	Not Specified	-

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)



DIAMETER	PITCH (mm)	LENGTH (L)		BENT LENGTH (D)		THREAD LENGTH (T)	
		MIN	MAX	MIN	MAX	MIN	MAX
M12	0.80	245	255	42	46	100	105
M16	1.00	298	305	78	85	129	132
M16	1.00	448	452	78	85	129	132
M16	1.00	498	502	78	85	148	152
M16	1.00	598	605	78	85	148	152
M20	1.25	395	405	102	105	149	152
M20	1.25	495	505	102	105	149	152
M20	1.25	595	605	102	105	149	152
M20	1.25	695	705	102	105	149	152
M24	1.50	595	605	148	150	148	155
M24	1.50	695	705	148	150	148	155
M24	1.50	795	805	148	150	148	155
M30	1.75	495	505	145	155	178	182
M30	1.75	695	705	145	155	178	182

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