

HOLD DOWN BOLT CLASS 8.8 METRIC

APPLICATION

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



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 8.8
Thread Form:	Metric 6g
Finish:	Zinc
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 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

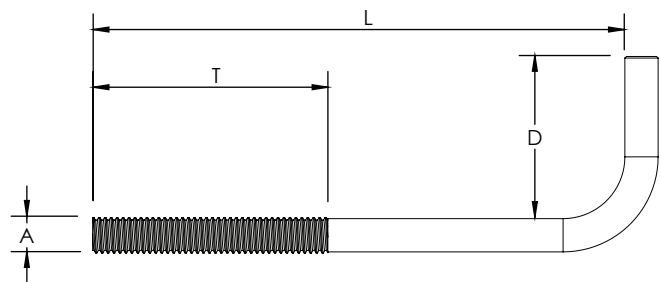
CHEMICAL COMPOSITION (%)

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 Plating complies with AS1789.	Low.

DIMENSIONAL DATA (mm)



DIAMETER	PITCH (mm)	LENGTH (L)		BENT LENGTH (D)		THREAD LENGTH (T)	
		MIN	MAX	MIN	MAX	MIN	MAX
M12	0.80	165	169	43	45	70	75
M16	1.00	290	292	65	68	73	78
M20	1.25	360	365	65	68	98	105
M24	1.50	435	438	65	68	98	105
M30	1.75	580	585	87	92	98	105

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