

COACH SCREW
CLASS 4.6 METRIC



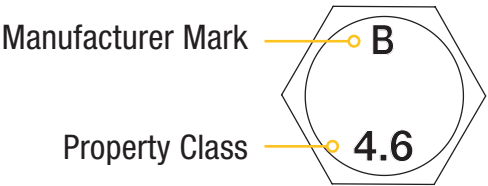
APPLICATION

Bremick® Coach Screws are heavy-duty fasteners primarily used for holding together heavy timber or fixing metal to timber.

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 4.6
Finish:	Zinc Plated
Standard:	Complies to AS/NZS 1393:1996
Mechanical Properties:	Complies to AS4291.1:2015
Chemical Composition:	Complies to AS4291.1:2015

HEAD MARKING



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

MECHANICAL PROPERTIES

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

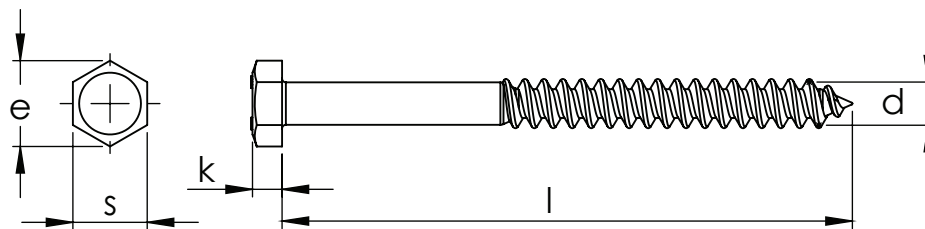
CHEMICAL COMPOSITION (%)

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

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 (mm)	PITCH		ACROSS FLATS (s)		ACROSS CORNERS (e)		HEAD HEIGHT (k)		SHANK DIAMETER (d)	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
M6	2.34	2.86	9.64	10.00	10.89	11.50	3.62	4.38	5.52	6.48
M8	2.80	3.96	12.57	13.00	14.20	15.00	4.92	5.68	7.42	8.58
M10	3.60	4.95	15.57	16.00	17.59	18.40	5.95	6.85	9.42	10.58
M12	4.20	5.50	17.57	18.00	19.85	20.70	7.05	7.95	11.30	12.70
M16	5.10	6.60	23.16	24.00	26.17	27.70	9.25	10.75	15.30	16.70
M20	5.60	7.70	29.16	30.00	32.95	34.60	11.60	13.40	19.16	20.84

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M6	M8	M10	M12	M16	M20
SPANNER SIZE	10	13	16	18	24	30

THREAD LENGTH (mm)

SCREW LENGTH			THREAD LENGTH
NOMINAL	MIN	MAX	MIN
20	18.7	21.3	12
25	23.7	26.3	15
30	28.7	31.3	18
35	33.4	36.6	21
40	38.4	41.6	24
45	43.4	46.6	27
50	48.4	51.6	30
55	53.1	56.9	33
60	58.1	61.9	36
65	63.1	66.9	39
70	68.1	71.9	42
75	73.1	76.9	45
80	78.1	81.9	48
90	87.8	92.2	54
100	97.8	102.2	60
110	107.8	112.2	66
120	117.8	122.2	72
130	127.5	132.5	78
140	137.5	142.5	84
150	147.5	152.5	90
160	156.0	164.0	96
180	176	184	108
200	195.4	204.6	120

Whilst every care was taken in the preparation of this publication, Bremick® accepts no responsibility for the accuracy of the information supplied. Bremick® reserves the right to make alterations to specifications as part of ongoing development and improvement. This publication serves as a guide and it's the responsibility of the end user to ensure suitability for their application.
The contents of this publication are the exclusive copyright of Bremick® and may not be reproduced without permission.

Bremick Pty Ltd
Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170
www.bremick.com.au