

COACH SCREW
CLASS 4.6 METRIC



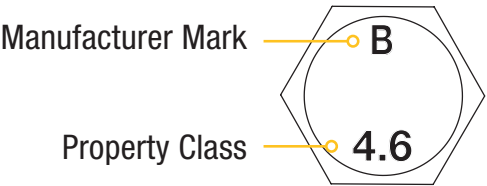
APPLICATION

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:	Hot Dipped Galvanised
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

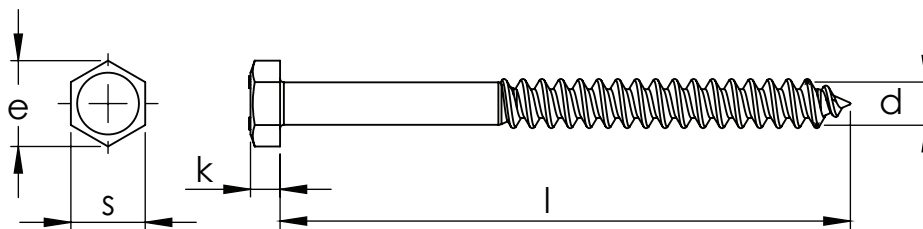
CHEMICAL COMPOSITION (%)

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

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 (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

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