

COACH SCREW

A4-70 METRIC

STAINLESS STEEL

APPLICATION

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



PRODUCT ATTRIBUTES

Material Class: Stainless Steel A4-70

Standard: Complies to DIN 571:1986

Mechanical Properties: Complies to ISO 3506.1:2020

Chemical Composition: Complies to ISO 3506.1:2020

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 AT 0.2% NON-PROPORTIONAL ELONGATION (MPa)	ELONGATION AFTER FRACTURE
	MIN	MIN	MIN
CLASS 70	700	450	0.4d

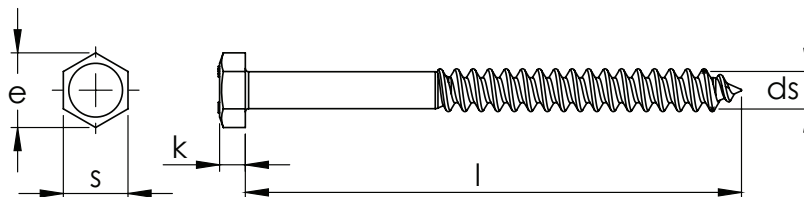
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX
A4	0.08	1.00	2.00	0.045	0.030	16.0-18.5	2.00-3.00	10.0-15.0	4.0

MATERIAL INFORMATION

STAINLESS STEEL 316		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate

DIMENSIONAL DATA (mm)



DIAMETER (mm)	PITCH		ACROSS FLATS (s)		ACROSS CORNERS (e)	HEAD HEIGHT (k)		SHANK DIAMETER (ds)	
	MIN	MAX	MIN	MAX	MIN	MIN	MAX	MIN	MAX
M6	2.34	2.86	9.64	10.00	10.89	3.63	4.38	5.52	6.00
M8	3.24	3.96	12.57	13.00	14.20	5.13	5.88	7.42	8.00
M10	4.05	4.95	16.57	17.00	18.72	6.55	7.45	9.42	10.00
M12	4.50	5.50	18.48	19.00	20.88	7.55	8.45	11.30	12.00
M16	5.40	6.60	23.16	24.00	26.17	9.55	10.45	15.30	16.00
M20	6.30	7.70	29.16	30.00	32.95	12.10	13.90	19.16	20.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M6	M8	M10	M12	M16	M20	M16	M20
SPANNER SIZE	10	13	17	19	24	30	24	30

THREAD LENGTH (mm)

NOMINAL	LENGTH		THREAD LENGTH
	MIN	MAX	
16	15.10	16.90	9.6
20	18.95	21.05	12
25	23.95	26.05	15
30	28.95	31.05	18
35	33.75	36.25	21
40	38.75	41.25	24
45	43.75	46.25	27
50	48.75	51.25	30
55	53.50	56.50	33
60	58.50	61.50	36
65	63.50	66.50	39
70	68.50	71.50	42
75	73.50	76.50	45
80	78.50	81.50	48
90	88.25	91.75	54
100	98.25	101.75	60
110	108.25	111.75	66
120	118.25	121.75	72
130	128.00	132.00	78
140	138.00	142.00	84
150	148.00	152.00	90
160	158.00	162.00	96
170	168.00	172.00	102
180	178.00	182.00	108
190	187.70	192.30	114
200	197.70	202.30	120

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