

CUP HEAD BOLT UNC
STAINLESS STEEL



APPLICATION

Bremick® Cup head bolts have a square neck design which prevents the bolt from spinning when tightened. Primarily used in timber applications where a smooth domed head is preferred.

PRODUCT ATTRIBUTES

Material Class: Stainless Steel 304

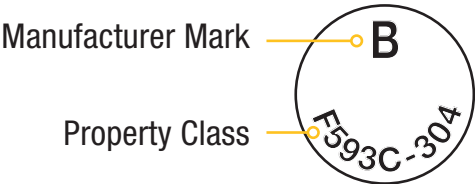
Thread Form: Class 2A

Standard: Complies to ANSI B18.5:2012

Mechanical Properties: Complies to ASTM F593:2024

Chemical Composition: Complies to ASTM F593:2024

HEAD MARKING



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

MECHANICAL PROPERTIES (Full-Size Tests)

ALLOY MECHANICAL PROPERTY MARKING	TENSILE STRENGTH (ksi)	YIELD STRENGTH (ksi)	HARDNESS ROCKWELL
	RANGE	MIN	RANGE
	F593C	100-150	65

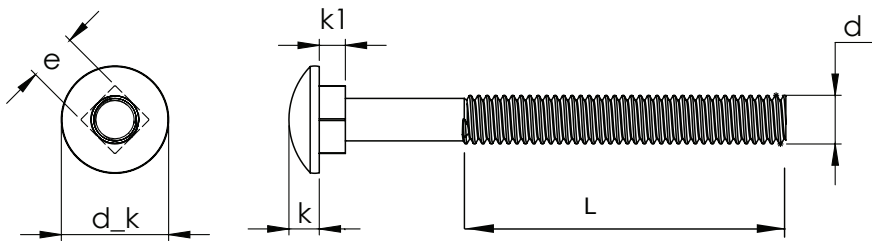
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Mn	P	S	Si	Cr	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	MAX
304	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-10.5	1.00

FINISH INFORMATION

STAINLESS STEEL 304		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
304 is the most commonly used stainless steel. It is an austenitic, offers excellent strength and corrosion resistance.	Bremick® 304 Stainless Steel provides an extreme level of protection and is recommended for wet external application. Bremick® 304 Stainless Steel is an austenitic stainless steel that offers all round performance.	Extreme

DIMENSIONAL DATA (inches)



DIAMETER (inches)	SQUARE NECK ACROSS FLATS (e)		SQUARE NECK LENGTH (k1)		HEAD HEIGHT (k)		BODY DIAMETER (d)		HEAD DIAMETER (d_k)		THREAD LENGTH (L)
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1/4	0.245	0.26	0.125	0.156	0.125	0.145	0.213	0.260	0.563	0.594	0.750

BOLT LENGTH	THREAD LENGTH			
NOMINAL	1/4	5/16	3/8	1/2
3/4"	ALL SIZES ABOVE THE STEPPED LINE ARE FULLY THREADED			
1"				
1.1/4"				
1 1/2"				
1 3/4"				
2"				
2 1/2"	2"	2"	2"	2"
3"	2"	2"	2"	2"
3 1/2"	2"	2"	2"	2"
4"	2"	2"	2"	2"
4 1/2"	3"	3"	3"	3"
5"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
5 1/2"	4"	4"	4"	4"
6"	4"	4"	4"	4"
6 1/2"	4"	4"	4"	4"
7"	4"	4"	4"	4"
8"	4"	4"	4"	4"
9"	6"	6"	6"	6"
10"	6"	6"	6"	6"
11"	6"	6"	6"	6"
12"	6"	6"	6"	6"

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