

THREADED ROD UNC F593C STAINLESS STEEL



APPLICATION

Bremick® Threaded Rod UNC 304 Stainless Steel is designed for industrial and construction applications where extreme corrosion performance is required



PRODUCT ATTRIBUTES

Material Class:	304 STAINLESS STEEL 1-CW1-F593C
Thread Form:	Class 2A
Standard:	Complies to IFI-136:2002
Mechanical Properties:	Complies to ASTM F593:2024
Chemical Composition:	Complies to ASTM F593:2024

MARKING



MECHANICAL PROPERTIES (Full-Size Tests)

ALLOY MECHANICAL PROPERTY MARKING	TENSILE STRENGTH (ksi)	YIELD STRENGTH (ksi)	HARDNESS ROCKWELL
	RANGE	MIN	RANGE
F593C	100-150	65	B95-C32

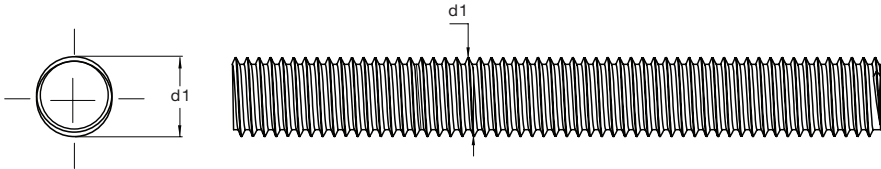
CHEMICAL COMPOSITION (%)

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

MATERIAL 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)	TPI	MAJOR DIAMETER (d1)	
	UNC	MIN	MAX
1/4	20	0.2408	0.2489
5/16	18	0.3026	0.3113
3/8	16	0.3643	0.3737
7/16	14	0.4258	0.4361
1/2	13	0.4876	0.4985
9/16	12	0.5495	0.5609
5/8	11	0.6112	0.6233

LENGTH (inches)

DIAMETER (Inches)	NOM.	1/4	5/16	3/8	7/16	1/2	9/16	5/8
36 (3 ft)	MIN	35.94		35.88				
	MAX	36.06		36.12				
144 (12 ft)	MIN	143.94		143.88				
	MAX	144.06		144.12				

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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