

THREADED ROD UNC F593G
STAINLESS STEEL



STAINLESS
STEEL
316

APPLICATION

Bremick® Threaded Rod UNC 316 Stainless Steel is designed for industrial and construction applications where ultimate corrosion performance is required

PRODUCT ATTRIBUTES

Material Class: 316 STAINLESS STEEL 2-CW1-F593G

Thread Form: Class 2A

Standard: Complies to IFI-136:2002

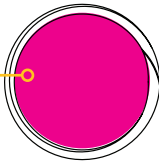
Mechanical Properties: Complies to ASTM F593:2024

Chemical Composition: Complies to ASTM F593:2024

MARKING

End View

Colour Code: Pink



MECHANICAL PROPERTIES (Full-Size Tests)

ALLOY MECHANICAL PROPERTY MARKING	TENSILE STRENGTH (ksi)	YIELD STRENGTH (ksi)	HARDNESS
			ROCKWELL
	RANGE	MIN	RANGE
F593G	100~150	65	B95-C32

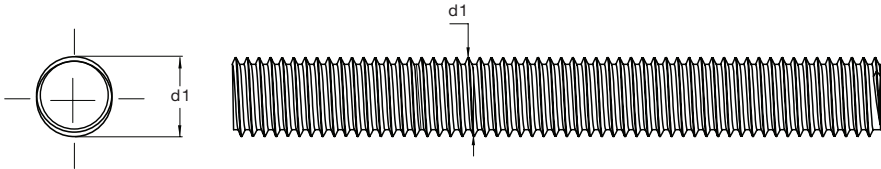
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Mn	P	S	Si	Cr	Ni	Mo
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE
316	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.00-3.00

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 (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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