

THREADED ROD
GRADE 5 UNC



PLAIN

APPLICATION

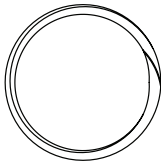
Bremick® Threaded Rod UNF Grade 5 is designed for industrial and construction applications where high tensile superior performance is required

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 5
Thread Form:	Class 2A
Finish:	Plain/Black/Natural
Standard:	Complies to IFI-136:2002
Mechanical Properties:	Complies to SAE J429:2014
Chemical Composition:	Complies to SAE J429:2014

MARKING

End View



Some rods exist without permanent marking

MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (ksi)	STRESS UNDER PROOF LOAD (ksi)	HARDNESS	
			ROCKWELL (HRC)	
	MIN	NOM.	MIN	MAX
GRADE 5 ≤ 1"	120	85	25	34
GRADE 5 > 1"	105	74	19	30

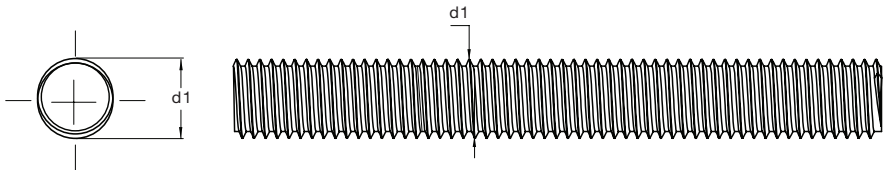
CHEMICAL COMPOSITION (%)

MATERIAL	C		P	S	B	TEMPERING TEMPERATURE °C
	MIN	MAX	MAX	MAX	MAX	MIN
CARBON STEEL	0.25	0.55	0.025	0.025	-	425

FINISH INFORMATION

PLAIN / BLACK / NATURAL		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

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
3/4	10	0.7353	0.7482
7/8	9	0.8592	0.8731
1	8	0.9830	0.9980
1 1/8	7	1.1064	1.1228
1 1/4	7	1.2314	1.2478
1 1/2	6	1.4794	1.4976

LENGTH (inches)

DIAMETER (Inches)	NOM.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2
36 (3 ft)	MIN	35.94				35.88					35.81			35.75
	MAX	36.06				36.12					36.19			36.25
144 (12 ft)	MIN	143.94				143.88					143.81			143.75
	MAX	144.06				144.12					144.19			144.25

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