

THREADED ROD
GRADE 5 UNF



PLAIN

APPLICATION

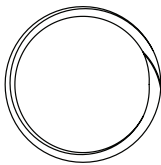
Bremick® Threaded Rod UNC Grade 5 is designed for industrial and construction applications where high tensile superior performance is required

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

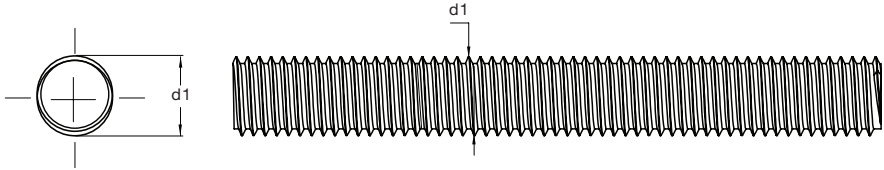
CHEMICAL COMPOSITION (%)

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)	
	UNF	MIN	MAX
1/4	28	0.2425	0.2490
5/16	24	0.3042	0.3114
3/8	24	0.3667	0.3739
7/16	20	0.4281	0.4362
1/2	20	0.4906	0.4987
9/16	18	0.5524	0.5611
5/8	18	0.6149	0.6236
3/4	16	0.7391	0.7485
7/8	14	0.8631	0.8734
1	12	0.9868	0.9982
1 1/4	12	1.2368	1.2482
1 1/2	12	1.4867	1.4981

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		