

THREADED ROD A4-80 METRIC
STAINLESS STEEL



STAINLESS
STEEL
316

APPLICATION

Bremick® Threaded Rod Metric A4-80 Stainless Steel is designed for industrial and construction applications where high tensile and ultimate corrosion performance is required

PRODUCT ATTRIBUTES

Material Class: Stainless Steel A4-80

Thread Form: Metric 6g

Standard: Complies to DIN 976-1:2016

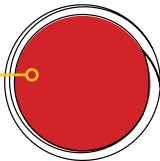
Mechanical Properties: Complies to ISO 3506.1:2020

Chemical Composition: Complies to ISO 3506.1:2020

MARKING

End View

Colour Code: Red



MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (MPa)	STRESS AT 0.2% NON-PROPORTIONAL ELONGATION (MPa)	ELONGATION AFTER FRACTURE
	MIN	MIN	MIN
CLASS 80	800	600	0.3d

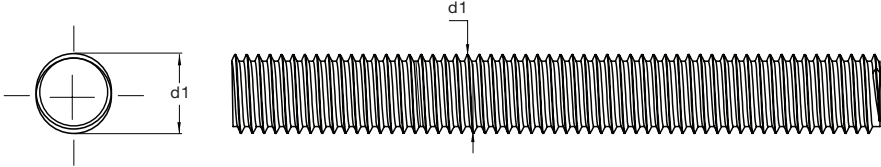
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX
A4	0.08	1.00	2.00	0.045	0.030	16.0-18.5	2.00-3.00	10.0-15.0	4.0

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 (mm)



DIAMETER (mm)	PITCH	MAJOR DIAMETER (d1)	
		MIN	MAX
M5	0.80	4.826	4.976
M6	1.00	5.794	5.974
M8	1.25	7.760	7.927
M10	1.50	9.732	9.968
M12	1.75	11.701	11.966
M14	2.00	13.682	13.962
M16	2.00	15.682	15.962
M20	2.50	19.632	19.958
M24	3.00	23.577	23.952
M27	3.00	26.577	26.952
M30	3.50	29.522	29.947
M33	3.50	32.522	32.947
M36	4.00	35.465	35.940
M42	4.50	41.437	41.937
M48	5.00	47.399	47.929

LENGTH (mm)

NOMINAL	1000 (1m)	2440 (2.44m)	2570 (2.57m)	2700 (2.7m)	3000 (3m)	3600 (3.6m)
MIN	995.5	2432.5	2562.5	2692.5	2989.5	3589.5
MAX	1004.5	2447.5	2577.5	2707.5	3010.5	3610.5

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