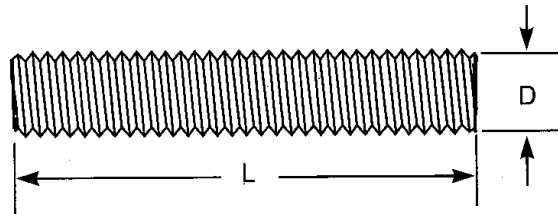


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All Threaded Rods - Metric Series

1.0 Dimensions: DIN 975.



1.1 Threaded rods have only two dimensions, thread and length.

1.2 Threads:

1.2.1 Thread Fit:

Steel Property Class: ISO 898-1: 4.6 & 4.8

Plain Finish: 6g

Zinc Plated: 6g before zinc plating and after zinc plating should meet 6h GO and 6g NO GO thread ring gage condition.

Steel Grade: ASTM A193/A193M: B7

Plain: 6g.

Stainless Steel Property Class: ISO 3506-1: A2-70 & A4-70

Passivated Finish: 6g.

For a detailed explanation of thread tolerances and dimensions for all thread sizes, refer to the Product Data Sheet on "Thread Details Metric Series".

1.3 Length (L):

Length of the threaded rod is measured from end to end. Length tolerance is + or – 10 mm.

DIN 975 Metric threaded rods is supplied in only one length of 1 meter or 1000 mm.

1.5 Threaded rod ends will not be pointed (not chamfered) on the ends.



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All Threaded Rods - Metric Series

2.0 Mechanical Properties:

A detailed explanation of the metric property class designations for various types of fasteners can be found in the Product Data Sheet (PDS) titled "Property Classes Metric Series".

2.1 Steel

Standard	Property Class	Hardness	Tensile Strength
ISO 898-1	4.6	67 to 95 HRB	400 MPa
	4.8	71 to 95 HRB	420 MPa

Standard	Grade	Hardness	Tensile Strength Minimum	Yield Strength Minimum	Elongation Minimum	Reduction of Area Minimum
ASTM A193/A193M (Sizes M64 & under)	B7	35 HRC Max	860 MPa (125 ksi)	720 MPa (105 ksi)	16%	50%

2.2 Stainless Steel

Standard	Property Class	Tensile Strength Minimum	Yield Strength Minimum
ISO 3506-1	Austenitic Stainless Steel A2-70 & A4-70	700 Mpa	450 Mpa

Hardness is not a requisite mechanical property for austenitic stainless steel parts as per ISO 3506-1.



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All Threaded Rods - Metric Series

3.0 Surface Finish

Steel: Zinc Plated. Zinc plating details shown in the table below.

Stainless Steel: Passivated

Plating	Zinc
Type	Trivalent (Cr+3)
Color	Clear
Minimum Coating Thickness	0.0001" / 3 Microns
Specification	ASTM F1941/F1941M Fe/Zn 3AN

Disclaimer: The above is a compilation of data, from various industry standards. BBI has taken every effort to present the data accurately. However BBI cannot be held liable for any claim traceable to any errors typographical or otherwise contained herein.