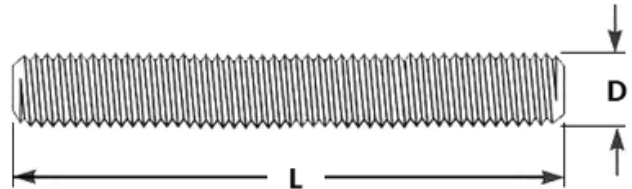


PRODUCT DATA SHEET

ALL THREADED RODS

1.0 DIMENSIONS: ASME B18.31.3.



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

1.2 Thread: ASME B1.1

Threaded Fit:

ASTM A307 Grade A. Plain: 1A. Zinc Plated: 1A before zinc plating and after zinc plating should meet 3A GO and 1A NO GO thread ring gage condition. Hot Dip Galvanized: 1A before coating.

ASTM F1554 Grade 36: Plain: 1A. Zinc Plated: 1A before zinc plating and after zinc plating should meet 3A GO and 1A NO GO thread ring gage condition.

ASTM F593 304 & 316: Passivated. 1A

ASTM A193/A193M or ASME SA-193/SA-193M Grade B7: Plain: 2A. Zinc Plated: 2A before zinc plating and after zinc plating should meet 3A GO and 2A NO GO thread ring gage condition.

ASTM A193/A193M or ASME SA-193 / SA-193M Grade B8 & B8M: Plain: 2A

1.3 Length (L): Length of the threaded rod is measured from end to end. Length tolerance is + or - 1/4" for nominal lengths

1.4 Threaded rods ends will not be pointed (not chamfered) on the ends.

2.0 MECHANICAL PROPERTIES:

2.1 STEEL

STANDARD / GRADE	HARDNESS	TENSILE STRENGTH
ASTM A307 GRADE A	100 HRB MAX	MINIMUM 60,000 PSI

STANDARD / GRADE	HARDNESS	TENSILE STRENGTH	YIELD STRENGTH	ELONGATION MINIMUM	REDUCTION OF AREA MINIMUM
ASTM A193 / A193M OR ASME SA-193/- SA-193M. GRADE B7	35 HRC MAXIMUM	MINIMUM 125,000 PSI	MINIMUM 105,000 PSI	16%	50%

STANDARD / GRADE	TENSILE STRENGTH	YIELD STRENGTH	ELONGATION MINIMUM	REDUCTION OF AREA MINIMUM
ASTM F1554 GRADE 36	MINIMUM 58,000 PSI MAXIMUM 80,000 PSI	MINIMUM 36,000 PSI	23%	40%

PRODUCT DATA SHEET

ALL THREADED RODS

2.2 STAINLESS STEEL

STANDARD / GRADE	DIAMETER	CONDITION	HARDNESS	TENSILE STRENGTH	YIELD STRENGTH
ASTM F593 304 (18-8) & 316	1/4" TO 5/8" INCLUSIVE	CW1	HRB 95 TO HRC 32	100,000 PSI TO 150,000 PSI	65,000 PSI
	3/4" TO 1-1/2" INCLUSIVE	CW2	HRB 80 TO HRC 32	85,000 PSI TO 140,000 PSI	45,000 PSI

STANDARD / GRADE	HARDNESS	TENSILE STRENGTH	YIELD STRENGTH	ELONGATION MINIMUM	REDUCTION OF AREA MINIMUM
ASTM A193/A193M OR ASME SA-193 / SA-193M. GRADE B8 & B8M	96 HRB MAX	MINIMUM 75,000 PSI	MINIMUM 30,000 PSI	30%	50%

3.0 SURFACE FINISH: PLAIN/ZINC/HDG. ZINC & HDG DETAILS GIVEN IN TABLE BELOW

PROPERTIES	ZINC CLEAR	HOT DIPPED GALVANIZED
TYPE	TRIVALENT (Cr+3)	RoHS COMPLAINT
COLOR	CLEAR	
COATING THICKNESS	0.0001" / 3 MICRONS MINIMUM	FOR SIZES 3/8" & UNDER: MINIMUM 0.0017" (43 MICRONS) AND FOR SIZES OVER 3/8" MINIMUM 0.0020" (50 MICRONS)
SPECIFICATION	ASTM F1941 / F1941M Fe/Zn 3AN	ASTM F2329 / F2329M OR ASTM A153/A153M

Notes: Stainless Steel threaded rods will be passivated.

PRODUCT DATA SHEET

ALL THREADED RODS

2.2 STAINLESS STEEL

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