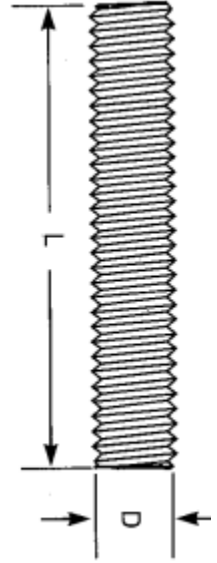


## All Threaded Rods

- Threaded rods have only two dimensions, thread and length.
- Thread: ASME B1.1 Thread 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 conditions. 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 Plain: 2A.
- Length (L): The length of the threaded rod is measured from end to end. Length tolerance is + or - 1/4" inch for nominal lengths less than 6 feet and + or - 1/2" inch for nominal lengths 6 feet & longer.
- Threaded rod ends will not be pointed (not chamfered) on the ends.



### Mechanical Properties:

Standard/Grade	Hardness	Tensile Strength	Yield Strength	Elongation Min	Reduction of Area Min.
ASTM A307 Grade A	100 HRB Max	Min 60,000 PSI			
ASTM A193 B7	35 HRC Max	Min 125,000 PSI	Min 105,000 PSI	16%	50%
ASTM F1554		Min 58,000 PSI	Min 36,000 PSI	23%	40%
GRADE 36		Max 80,000 PSI	Min 36,000 PSI	23%	40%

### Surface Finish: Plain / Zinc/ HDG. Zinc & HDG details are given in the table below.

Properties	Zinc Clear	Hot Dip Galvanized (HDG)
Type	Trivalent (CR+3)	RoHS Compliant
Color	Clear	
Coating Thickness	0.0001" / 3 Microns Min.	for sizes 3/8" & under: Min 0.007" (43 microns) and for Sizes over 3/8" min. 0.0020" (50 microns).
Specifications	ASTM F1941 / F1941M. Fe/ Zn 3AN	ASTM F2329/F2329M or ASTM A153/A153M

