



All America Threaded Products produces threaded rod from mild steel rods (AISI Grades 1008, 1018, 1022, or similar grades) that meet the yield strength requirements of ASTM A-307.

All America Threaded Products uses various Grades 1008, 1018, or 1022 mild steel rods for ASTM F-1554 Grade 36 products; these products will exceed the yield strength requirement for ASTM-F1554 Grade 36.

All America Threaded Products guarantees a commercial (1A) nut fit unless otherwise specified.

Clear Zinc Plated and Yellow Zinc Plated mild steel are plated per ASTM B633.

Clear Zinc Plated and Yellow Zinc Plated mild steel products are ROHS compliant if requested.

Hot Dip Galvanized threaded rod is dipped per ASTM A153.

<b>TYPICAL CHEMICAL COMPOSITION LIMITS</b>				
<b>GRADE</b>	<b>CARBON</b>	<b>MANGANESE</b>	<b>MAX PHOSPHORUS</b>	<b>MAX SULFUR</b>
1008	0.10 max	0.30 – 0.50	0.04	0.05
1018	0.15 – 0.20	0.60 – 0.90	0.04	0.05
1022	0.18 – 0.23	0.70 – 1.00	0.04	0.05
A-36	0.26 max	-	0.04	0.05

**All America Threaded Products' threaded rod is MADE IN USA.**

<b>TYPICAL MECHANICAL PROPERTIES</b>				
<b>MINIMUM VALUES</b>				
<b>GRADE</b>	<b>TENSILE STRENGTH</b> ksi	<b>YIELD STRENGTH</b> ksi	<b>ELONGATION</b> IN 2" %	<b>REDUCTION</b> OF AREA %
1008 COLD DRAWN	60	50	18	40
1018 COLD DRAWN	70	60	18	45
1022 COLD DRAWN	69	58	15	40
A-36	58	36	23	-

These figures show the approximate ranges of mechanical properties of the steels listed above and cannot be used as a basis of acceptance or rejection of material. They are not guaranteed and are given only as an indication of what may be expected and should under no circumstances be used in specifying the raw materials. It must not be assumed that these properties will be obtained in all cases, as they vary widely with permissible variations in analysis, size of section, rolling conditions, grain size, and methods of heat treatment. Dependable mechanical properties can only be obtained through carefully controlled heat treatment or special processing.

Prepared By: Larry Septrick  
Approved By: Michael Weis

Manufacturing Certificate – mild steel rods AATP MAD  
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## **All America Threaded Products**

### **Mid-Atlantic Division**

731 Martha Avenue, Lancaster, Pennsylvania 17601  
tel 717.283.4344 | 800.354.3330 | efax 717.283.4677 | fax 717.397.5185