



All America Threaded Products, Inc.
MIDWEST DIVISION
 1929 Columbia Avenue
 Indianapolis, Indiana 46202

All America Threaded Products' Allthread is produced from mild carbon steel rods (AISI Grades 1006, 1008, 1018, ASTM A-36 or similar grades) and manufactured in accordance with ASTM A-307 to a commercial nut fit.

<u>TYPICAL CHEMICAL COMPOSITION LIMITS</u>				
<u>GRADE</u>	<u>CARBON</u>	<u>MANGANESE</u>	<u>PHOSPHORUS</u>	<u>SULFUR</u>
1006	0.08MAX	0.25 – 0.45	0.04	0.05
1008	0.10MAX	0.30 – 0.50	0.04	0.05
1018	0.15 – 0.20	0.60 – 0.90	0.04	0.05
A – 36	0.26MAX	-	0.04	0.05

<u>TYPICAL MECHANICAL PROPERTIES</u>				
<u>GRADE</u>	<u>TENSILE STRENGTH</u>	<u>YIELD STRENGTH</u>	<u>ELONGATION IN 2"</u>	<u>REDUCTION OF AREA</u>
	<u>ksi</u>	<u>ksi</u>	<u>%</u>	<u>%</u>
1006 - COLD DRAWN	48 MIN	41 MIN	20 MIN	45 MIN
1008 - COLD DRAWN	50/65	40/55	20/30	40/50
1018 - COLD DRAWN	70/85	60/75	18/25	45/55
ASTM A-36	58/80	36 MIN	23 MIN	-

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.