



PRODUCT OVERVIEW

GR8HT™ Rod, pronounced “great rod,” is the newest range of Threaded Rods from All America Threaded Products (AATP). It is a High Strength Threaded Rod made exclusively here in the USA by AATP.

GR8HT™ Rod offers a viable High Tensile alternative to SAE J429 Grade 8 and is fully certified to ASTM A354 Grade BD. GR8HT™ ROD is ideal for applications that require a High Strength Threaded Rod

- **Diameters:** 3/8"- 16, 1/2"- 13, 5/8"- 11, 3/4"- 10, 7/8"- 9, 1"- 8
- **Lengths:** 1', 2', 3', 6', 12'
- **Finishes:** Plain, Zinc & Yellow, Black Oxide

MATERIAL BREAKDOWN

CHEMICAL & MECHANICAL COMPARISON

CHEMICAL CONTENT

C (Carbon)
Mn (Manganese)
P (Phosphorus)
S (Sulphur)
B (Boron)

GR8HT™ ROD

SAE J429
Grade 8

ASTM A354
Grade BD

	Min	Max	Min	Max	Min	Max
C (Carbon)	0.280	0.550	0.250	0.550	0.280	0.550
Mn (Manganese)	0.570	*	*	*	0.570	*
P (Phosphorus)	*	0.040	*	0.025	*	0.040
S (Sulphur)	*	0.045	*	0.025	*	0.045
B (Boron)	*	0.003	*	*	*	0.003

MECHANICAL CONTENT

Tensile Strength (KSI)
Yield Strength (KSI)
Elongation (%)
Reduction of Area (%)
Tempering Temp (F)
Hardness Rockwell C
Gross Decarb (Inches)
Proof Load (KSI)

GR8HT™ ROD

SAE J429
Grade 8

ASTM A354
Grade BD

	Min	Max	Min	Max	Min	Max
Tensile Strength (KSI)	150	173	150	*	150	173
Yield Strength (KSI)	130	*	130	*	130	*
Elongation (%)	14	*	12	*	14	*
Reduction of Area (%)	40	*	35	*	40	*
Tempering Temp (F)	800	*	800	*	800	*
Hardness Rockwell C	HRC33	HRC38	HRC33	HRC39	HRC33	HRC38
Gross Decarb (Inches)	*	0.0006	*	0.0006	*	0.0006
Proof Load (KSI)	120	*	120	*	120	*

DFARS COMPLIANT

GR8HT™ ROD

SAE J429
Grade 8

ASTM A354
Grade BD

 YES	 Check COO	 Check COO
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*Important Note: Where cells have no value this reflects the quoted standard

AT A GLANCE COMPLIANCE GUIDE

This table showcases GR8HT™ ROD against common standards such as ASTM A354 and SAE J429.

When quality, high tensile, and high strength threaded rod is a top priority for your business.

GR8HT™ ROD

COMPLIES WITH

CHEMICAL CONTENT

- C (Carbon)
- Mn (Manganese)
- P (Phosphorus)
- S (Sulfur)
- B (Boron)

ASTM A354
Grade BD

SAE J429
Grade 8

Yes	Yes
Yes	Yes
Yes	Close
Yes	Close
Yes	Yes

MECHANICAL CONTENT

- Tensile Strength (KSI)
- Yield Strength (KSI)
- Elongation (%)
- Reduction of Area (%)
- Tempering Temp (F)
- Hardness Rockwell C
- Gross Decarb (Inches)
- Proof Load (KSI)

ASTM A354
Grade BD

SAE J429
Grade 8

Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes

