

# 15V41R



## PRODUCT OVERVIEW

15V41R allows us to meet Grade 5 chemical and mechanical properties without having to heat-treat the material. This is due to the steel being a modified version of AISI 1541. The modifications are made in the percentage of alloying elements, which help shape the properties of the material. 15V41R can be used in bolts, threaded rod, and other fasteners. Common examples of 15V41R in use include U-Bolts and fasteners for industrial and agricultural machinery. 15V41R is the only medium-carbon steel offered by AATP.

- **Grade Offered:** 15V41R
- **Diameters:** 1/4", 3/8", 7/16", 1/2", 5/8"
- **Lengths:** Any length up to 12'
- **Products:** Threaded Rod, Studs, Anchor Bolts, U-Bolts
- **Applications:** U-Bolts & fasteners for industrial & agricultural machinery

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## 15V41R PRODUCT OFFERING

### AATP CAPABILITIES

Grade	Diameters	UNC/UNF	Products	Lengths	Stock Finish	Special Finish
15V41R	1/4", 3/8", 7/16", 1/2", 5/8"	UNC	Threaded Rod Threaded Studs Anchor Bolts U-Bolts	Any length up to 12'	Plain	Electro-Zinc Black Oxide Hot-Dip Galvanized

### 15V41R MECHANICAL PROPERTIES

Grade	Diameters	UNC/UNF	Tensile (ksi)	Yield (ksi min)	Elong % (min)	RA% (min)	HRC
15V41R	1/4", 3/8", 7/16", 1/2", 5/8"	UNC	120	92	14%	35%	Rockwell C25-34

### 15V41R CHEMICAL PROPERTIES

Grade	Carbon	Manganese	Silicon	Phosphorus	Sulfur	Copper
15V41R	0.39-0.44	1.35-1.55	0.15-0.35	0.035 max	0.035 max	0.25 max
	Nickel	Chromium	Molybdenum	Nitrogen	Vanadium	
	0.12 max	0.15 max	0.04 max	0.12 max	0.03-0.06	