



## QUICK OVERVIEW

*Versatile, low alloy steel used widely in many industrial applications that has high toughness and strength.*

## SIZES

.5"  
.75"  
1"  
1.25"  
1.375"  
1.5"

\*other sizes available by request

## SHAPES

Round

## APPLICATIONS

- Shafts
- Nuts & Bolts
- Piston Rods
- Ejectors
- Collets
- Couplings
- Collars
- Crankshaft
- Machinery Parts
- Gear
- Milling Spindle
- Slide
- Conveyor and Rolls
- Stub

## BENEFITS

4140 steel is a versatile steel grade that is used widely in many industrial applications. It is a chromium-molybdenum alloy steel. The Chromium provides good hardness while the molybdenum ensures uniform hardness and high strength. The steel can be oil hardened to a high level of hardness.

Desirable properties include:

- Toughness
- Good ductility
- Wear resistance
- High fatigue strength
- Abrasion and impact resistance
- Torsional strength

As a low alloy steel, 4140 has the ability to be wear resistant when quenched or in a tempered condition.

### Typical Mechanical & Chemical Properties

Yield	60.2 KSI
Tensile	95 KSI
Hardness	240 HBN

Call: 800.423.6472

*Admiral Care - Delivering the very best in customer service*

Visit our Website at [www.admiralmetals.com](http://www.admiralmetals.com)

Information from: <https://www.astmsteel.com/steel-knowledge/15-application-4140-steel/>