



## COLD HEADING QUALITY ROD & WIRE

*Steel Leading the Way in Carbon & Alloy Rod & Wire*

When you can have the acknowledged industry leader, why would you want a second-best supplier who should be a-kneeling to our annealing superiority?

There is only one leader in Cold Heading Quality Rod & Wire. Republic Steel Wire Processing serves OEM and replacement markets. We are an ISO 9001:2008 certified manufacturer and supplier of carbon and alloy rod and wire for a diverse customer base that includes the fastener, automotive, hand tools, appliance, off-road heavy equipment, construction, and other industries.

With our Midwest manufacturing location in Solon, Ohio, we can provide atmosphere annealing, sulfuric acid pickling, and wire drawing to suit your needs — along with stocking programs for just-in-time and short-lead-time delivery.

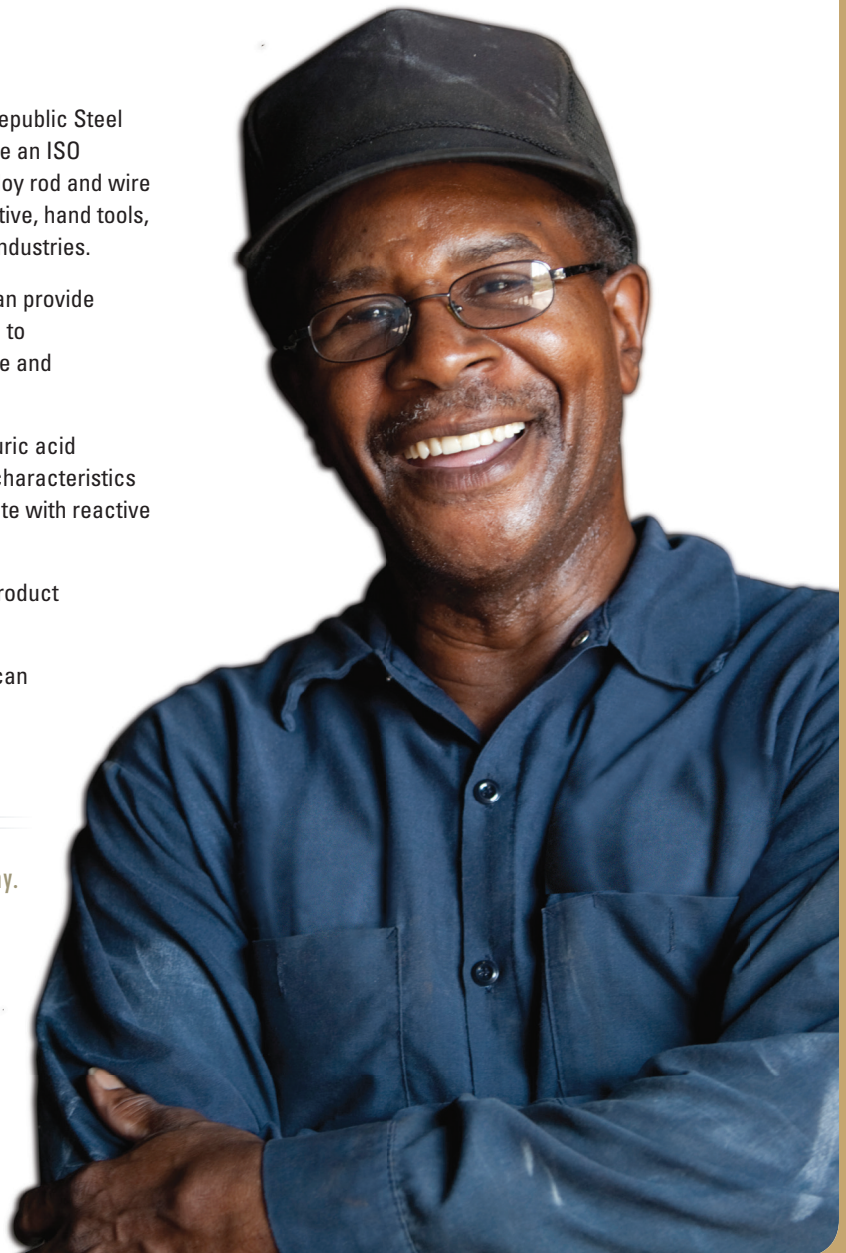
Our cleaning and coating facilities employ state-of-the art sulfuric acid pickling technology for high productivity with uniform coating characteristics (for lime, borax, zinc phosphate with polymer and zinc phosphate with reactive lube) and minimal statistical variability on the finished product.

Continuous atmospheric annealing furnaces provide uniform product to achieve higher levels of productivity.

With Republic hot rolled rod ranging from 0.297" to 1.750", we can produce drawn wire from 0.080" through 1.718".

Contact your Republic Steel Wire Processing sales rep today.

440.996.0740 [www.RepublicSteel.com](http://www.RepublicSteel.com)



# COLD HEADING QUALITY ROD & WIRE

## ROD DIAMETERS

● Rounds 0.297" to 1.750"

## ROD PROCESSING

Clean & Coated Rod – Sulfuric Acid Pickling followed by one of the following coatings:

Lime

Borax

Zinc Phosphate with Polymer

Zinc Phosphate and Reactive Lube

## THERMAL TREATMENT

Spheroidize Anneal

LP Anneal

## FINISHED WIRE DIAMETERS

0.080" to 1.718"

## WIRE PROCESSING

DD Wire (Direct Drawn Wire)

Clean & Coat » Draw

DFAR (Drawn from Annealed Rod)

Clean & Coat » Spheroidize Anneal » Clean & Coat » Draw

SAFS (Spheroidize Annealed at Final Size)

Clean & Coat » Draw » Spheroidize Anneal » Clean & Coat

SAIP (Spheroidize Annealed in Process)

Clean & Coat » Draw » Spheroidize Anneal » Clean & Coat » Draw

DA/SAFS (Double Anneal SAFS)

Clean & Coat » Spheroidize Anneal » Clean & Coat » Draw » Spheroidize Anneal »

Clean & Coat

DA/SAIP (Double Anneal SAIP)

Clean & Coat » Spheroidize Anneal » Clean & Coat » Draw » Spheroidize Anneal »

Clean & Coat » Draw

## COIL WEIGHTS

Up to 6,000 lbs.

## ALLOY GRADES\*

Manganese	13xx
Moly	40xx, 40Bxx
Chrome-Moly	41xx, 41Lxx
Nickel-Moly	46xx
Chromium	50xx, 51xx, 52100, 52L100
Chrome-Vanadium	6150
Nickel-Chrome-Moly	43xx, 47xx, 81xx, 86xx, 87xx, 93xx, 94Bxx

## CARBON GRADES\*

1008-1095 | 1117-1151 | 10Bxx | 1215 | 12L14 | 15xx, 15Bxx

## QUALITIES\*

Aircraft/Bearing/Cold Heading/Cold Working & Forming/Microalloy

\* Since we melt our own steels, tailor-made chemistries are available upon request, including DIN & JIS specs.

## CERTIFICATIONS

ISO 9001:2008

### Republic Steel Wire Processing

31000 Solon Road  
Solon, Ohio 44139

440.996.0740 www.RepublicSteel.com

## STEEL MAKING HISTORY



**Republicsteel™**  
WIRE PROCESSING