

# CENTURY™ (1144)

Product of Union Drawn Steel

1 (800) 263-9966  
sales@uniondrawn.com



Strong, Tough and Precise, **Century** has it all!  
Guaranteed 100 Ksi (690 MPa) minimum Yield strength.  
Stress relieving process increases strength and improves ductility.  
Re-Sulphurized steel for improved machinability.

## CHEMISTRY

Carbon	0.40% - 0.48%
Manganese	1.35% - 1.65%
Phosphorus	0.40% max
Sulfur	0.24% - 0.33%
Silicon	0.15% - 0.35%

## MECHANICAL PROPERTIES

Tensile (UTS)	115,000 PSI (795 MPA)
<u>Minimum</u> Yield	100,000 PSI (690 MPA)
Elongation	8%
Reduction in Area	20%
Hardness	240 HB

Numbers reflect typical results; final product may vary  
Mechanical properties recorded on all test certificates.

## CAPABILITIES

*Full range Cold Drawn round bar:*

Size (inches)	Tolerance (inches)
1/2 to 1-1/2	(+0 / -0.004)
Over 1-1/2 to 2-1/2	(+0 / -0.005)
Over 2-1/2 to 3	(+0 / -0.006)

Recommended stock removal 2.4% Dia. (resulphurized)

*Lengths:* 20ft / 22ft standard  
10ft min. to 24ft max.  
(+2" / -0") tolerance

*Additional finishes available:*

Finish	Size (inches)
Turn & Polish	1/2 to 2-1/2
Ground	1 to 3
Turn, Ground & Polish	1 to 2-1/2

## TYPICAL APPLICATIONS

**Pins:** High strength material ideal for pins used in high stress environments. Additional finishes can provide precise size control and chemistry will enhance machinability.

**Machined & Fittings:** High machinability allows for competitive cycle time when machining complex parts. For many applications Century material can also eliminate the need for heat treating after machining.