

# Cincinnati Tool Steel Company

Phone #: (815) 226-8800 (800) 435-0717 Fax #: (815) 226-4388

## CR1018

### Typical Analysis

Carbon	1.45	Manganese	0.80
Phosphorus	.04 max	Sulfur	.05 max

### Mechanical Properties

The following values are average and may be considered as representative of the grade:

	<b>Tensile</b>	<b>Yield</b>			
	<b>Strength</b>	<b>Strength</b>	<b>Elongation</b>	<b>Reduction</b>	<b>Brinell</b>
	<b>(psi)</b>	<b>(psi)</b>	<b>in 2"</b>	<b>of Area</b>	<b>Hardness</b>
1" rd., cold drawn	85,000	70,000	28%	55%	167
7" rd., turned & polished	70,000	45,000	36%	58%	143

Data shown are typical, and should not be construed as maximum or minimum values for specification or for final design.  
Data on any particular piece of material may vary from those herein.