

# NASCOLOY™ Shock Resistant Tool Steel



## Typical Applications

Chisels	Collets
Punches	Drift Pins
Shear Blades	Rivet Sets
Blacksmith Tools	Forming Tools

## Available Sizes\*

Rounds – 1/2" to 1-1/2"  
Octagons – 1/2" to 1-1/4"  
Hexagons – 1/2" to 1-1/2"  
Please call for current availability.

\*Modified analysis for certain size configurations.

## Stock Lengths

10 / 14 Ft Random Lengths

**Past Protected Trade Name Of Pyramid Steel  
Company – Nu-Pyr-Loy™**

**Nascoloy** is a versatile oil hardening shock resisting tool steel. When shock and high impact are of the greatest concern, relying on a product that will increase your service life and reduce downtime is critical.

Your machinist will enjoy working with **Nascoloy**. The Machinability Rating for this product is a 65. Following your basic machining guides for your O series on the speeds and feeds, rather than that of the W series, should offer good results.

*Consider **Nascoloy** as a suitable upgrade for S-5 type and 9260 tool steels.*

## Advantages

EXCELLENT HARDNESS

EXCELLENT SHOCK RESISTANCE

EXCELLENT TOUGHNESS

GOOD IMPACT RESISTANCE

GOOD PHYSICAL PROPERTIES (AFTER H.T.)

## Thermal Treatment Summary\*

**Annealing** – Furnished hot rolled annealed; 1450°F, furnace cool to an approximate 229 BHN.

**Forging** – 1850°F/1950°F, stop at 1600°F, cool slowly.

**Hardening** – 1625°F, oil quench. 1550°F water quench.

**Tempering** – Temper immediately. Hold one hour per inch of greatest cross section. (2 hour minimum).

- 400°F expected hardness Rockwell 61 "C".
- 900°F expected hardness Rockwell 51 "C".
- 1200°F expected hardness Rockwell 40 "C".

\*Above values are typical and are not guaranteed.