

Shock Resistant Tool Steel



Advantages

- *Excellent Machinability*
- *Increased Mechanicals*
- *Outstanding Shock Resistance*
- *Good Wear Resistance*

(Past Protected Trade Name of Ludlow Steel Company – Lusco™)

Typical Applications

Pneumatic Chisels	Stamps	Drift Pins
Shear Blades	Punches	Machine Parts
Forming Tools	Collets	Rivet Sets

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.

Altoloy is an excellent grade of shock resistant tool steel. This tool steel has an excellent combination of abrasion resistance and toughness at high hardness, which make it the ideal material for many hand and pneumatic tools, chisels and punches.

As a result of its high elastic limit, and good ductility at relative high hardness, **Altoloy** is able to withstand heavy shock and minimize bending and breaking. **Altoloy** is a product that will last longer and be more durable in severe service life applications.

Altoloy should be considered as an upgrade when your drawings call out for S-5 and 9260 tool steels.

Sizes Available



Rounds

1/2” to 1-1/2”



Hexagons

1/2” to 1-1/2”



Octagons

1/2” to 1-1/4”

(Hot Rolled Annealed)

Lengths Available

10 Ft to 15 Ft Random Lengths

Value-Added Services

We offer full machining, grinding, cutting and other fabricating services including heat treatment. Please contact our sales department for further details.

