

# Kromite<sup>®</sup> Econo-Finish

## High Strength, Decarb-Free Alloy

**Kromite Econo-Finish** is a proprietary high strength alloy, furnished pre-machined, decarb-free and oversize; ready for your finish machining. **Kromite Econo-Finish** is an excellent choice for many tool room applications where toughness is required. Consider this product for dies, molds, support tooling, and various fixtures. This pre-hardened, pre-machined product will dramatically reduce material preparation time and allow you to get finished parts into service quickly and extend service life.

**Kromite Econo-Finish** is our Kromite #3 material provided to you with a special "Pre-Machined" surface finish. We insure that all of the decarb (from the heat treating process), has been removed. This "decarb-free" surface finish will accept maximum surface hardening for maximum wear resistance. The PLUS TOLERANCE is provided to minimize machining at your job-site.

(Past Protected Trade Name of Ludlow Steel Company – Centrex<sup>®</sup> Pre-Machined)



### Typical Physical Properties

Brinell Hardness .....	269/321 BHN
Tensile Strength .....	156,000 P.S.I.
Yield Strength .....	123,500 P.S.I.

### Sizes Available



**Squares**  
3/4" to 6"



**Flats**  
1/4" to 6" Thick  
1" to 32" Width

Also available in Flat Ground Stock See P. 61

### Lengths Available

Custom Cut To Lengths  
10 Ft to 12 Ft Random Lengths

### Typical Surface Condition<sup>#</sup> (Pre-Machined)

Ground Top and Bottom (+.015"/+.035" oversize)  
Sides Saw Cut (+1/8" oversize)  
Length Saw Cut (+1/4" oversize)

\*As Delivered

### Thermal Treatment Summary\*

**Tempering** – No tempering should be required since the product is furnished to you in the pre-hardened condition (28/32RC). If you anticipate re-hardening to a higher hardness, inquire on our annealed product, **Kromite #4**.

**Annealing** - Heat slowly to 1500°F and hold for ½ hour per inch of thickness. Furnace cool at 20°F per hour to 1230°F; air cool to room temperature. Expected hardness is Rockwell 19 "C".

\* Above values are typical and are not guaranteed.