

MATERIALS FOR HEAVY INDUSTRIAL MAINTENANCE



1.800.321.9300
WWW.ASSOCIATEDSTEEL.COM



HIGH STRENGTH ALLOY & CARBON STEELS

KROMITE® #3 HRHT (4140/4150 MOD), HIGH STRENGTH, PREHARD, ALLOY

Features

Clean Steel Technology
Electric Furnace Melt
Vacuum Degassed
Fine Grain Structure
Heat Treated
Machine Straightened
Stress Relieved

Typ. Mechanical Properties*

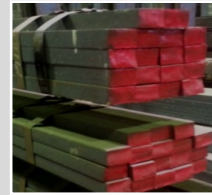
Hardness - 269/341BHN
Tensile - 156,000 PSI
Yield - 123,500 PSI
Elongation in 2" - 17%
Reduction of Area - 53%
*Based on 1/2" test specimen

Availability

Rounds - 1/2" to 16"
Squares - 1/2" to 6"
Flats - 1/4" x 1" to 3" x 6"

Lengths

10/12 Ft R/L, 20/24 Ft R/L and
Custom Cut-To-Lengths



Consider in place of: AISI 1018, 1020, 1045, 4130, 4140, 4150 and 4340 depending upon the requirement.

(meets specs of Sheffield™ #10)

KROMITE® #3 HOLLOW BAR (4140 MOD), HEAVY HOLLOW STOCK

Features

Quench & Tempered
High Strength
Fine Grain Structure
Fatigue Resistant
Stress Relieved
Free of Hard & Soft Spots

Typ. Mechanical Properties*

Hardness - 269/341BHN
Tensile - 145,000 PSI
Yield - 110,000 PSI
Elongation in 2" - 19%
Reduction of Area - 50%
*Based on 1/2" test specimen

Availability*

3" OD x 1-1/2" ID to
6" OD x 3-1/2" ID
Inquire On Other Sizes

Lengths

Standard 18" Lengths
Custom Cut-To-Lengths



*Supplied as a rough size (OD & ID)

KROMITE® COLD DRAWN (4140 MOD), COLD FINISHED, ANNEALED ALLOY

Features

Clean Steel Technology
Electric Furnace Melt
Vacuum Degassed
Fine Grain Structure
Machine Straightened
Fatigue Resistant

Typ. Mechanical Properties*

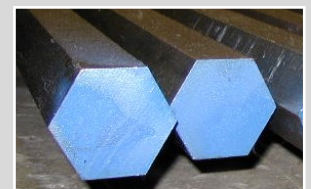
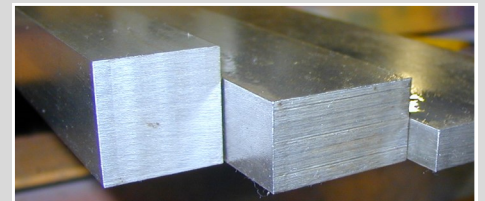
Hardness - 180/235BHN
Tensile - 114,000 PSI
Yield - 100,500 PSI
Elongation in 2" - 24%
Machinability - Approx. 70%
*Based on 1/2" cross section

Availability

Hexagons - 3/16" up to 4"
Squares - 3/8" up to 4"
Flats - 1/4" x 1" up to 2" x 6"
**Metric Size Options In
Squares and Flats**

Lengths

10/13 Ft R/L, 20/26 Ft R/L and



Consider in place of cold finished, commercial alloy and carbon steels including: AISI 1018, 1045, 1060 and 4140.

(meets specs of Sheffield™ Cold Drawn)

REDI-RAIL® CUSTOM HARDENED, PRECISION FINISHED, WEAR RAILS

Suited to handle many applications including: transfer rails, conveyor guide rails, machine ways, beef rails, heavy-duty tracks and various OEM parts. Its wear resistant properties far exceed that of "cold roll" steels even after further heat treatment is applied. Typical hardness range is "55/62" Rc; results based on decarb removal.

Availability

Squares - 3/8" up to 4"
Flats - 1/4" x 1" up to 2" x 6"

Beef & Pork Rail Stock

1/2" x 2-1/2", 1/2" x 3" and
5/8" x 3" (RD & SQ Hardened Edge)

**Metric Size Options In
Squares and Flats**

Lengths

10/12 Ft R/L
20/24 Ft R/L
Cut-To-Lengths



(meets specs of Kromite® CD60)

Our metals are manufactured utilizing clean steel technology and strict process controls to ensure the highest level of quality.

MIRRALOY® TGP (4140/4150 MOD), TURNED GROUND & POLISHED, ALLOY SHAFT

Features

Clean Steel Technology
Electric Furnace Melt
Vacuum Degassed
Fine Grain Structure
Heat Treated
Machine Straightened
Stress Relieved

Typ. Mechanical Properties*

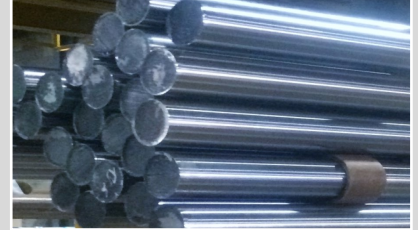
Hardness - 269/341BHN
Tensile - 156,000 PSI
Yield - 123,500 PSI
Elongation in 2" - 17%
Reduction of Area - 53%
*Based on 1/2" test specimen

Availability

Rounds - 1/4" up to 8"
Metric Rounds - 4MM up to 100MM (Call For Other Sizes)

Lengths

10/12 Ft R/L, 20/24 Ft R/L and Custom Cut-To-Lengths



(meets specs of Sheffield™ #20)

MIRRALOY® FM TGP (1144 MOD), FREE MACHINING, TGP SHAFT

Features

Clean Steel Technology
Proprietary Chemistry
Machine Straightened
Fatigue Resistant
Precision TGP Finish
Free Machining

Typ. Mechanical Properties*

Hardness - 260BHN
Tensile - 133,000 PSI
Yield - 110,00 PSI
Elongation in 2" - 8% min.
Machinability - Approx. 83%
*Based on 1/2" cross section

Availability

Rounds - 1/4" up to 4"

Lengths

10/12 Ft R/L
20/24 Ft R/L
Custom Cut-To-Lengths



(meets specs of Sheffield™ #20 FM)

Up to 50% more strength than AISI 1018 carbon steel. This is a "near" bearing-fit, precision shaft.

MIRRALOY® FM PRE-KEYED FULL LENGTH, TGP, KEYED SHAFT

Features

Clean Steel Technology
Proprietary Chemistry
Machine Straightened
Fatigue Resistant
Precision TGP Finish
Keyed Full Length

Typ. Mechanical Properties*

Hardness - 260BHN
Tensile - 133,000 PSI
Yield - 110,00 PSI
Elongation in 2" - 8% min.
Machinability - Approx. 83%
*Based on 1/2" cross section

Availability

Rounds - 1/2" up to 2-15/16"
Other Sizes & Metrics Available

Lengths

10/12 Ft R/L
Custom Cut-To-Lengths



(meets specs of Sheffield™ FM Redi-Key)

KROMITE® KEYSTOCK COLD FINISH, DOUBLE DRAWN, CARBON STEEL

Features

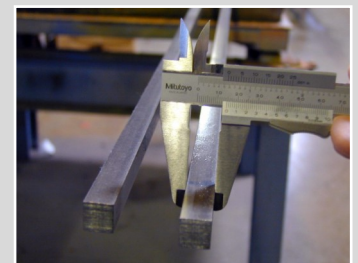
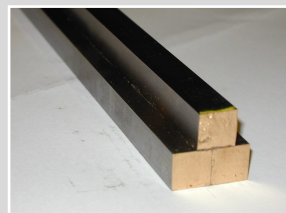
Fine Grain Structure
Sharp Square Corners
Double Drawn Process
Plus Tight Tolerances

Availability

Fractional Squares - 1/8" up to 1-3/4"
Metric Squares - 5MM up to 50MM

Lengths

12 Ft R/L



(meets specs of Sheffield™ Keystock)

HIGH PERFORMANCE STAINLESS STEELS

MIR50[®] STAINLESS PRECIPITATION HARDENED, NON-GALLING, PSQ STAINLESS

Features

High Strength
Galling Resistant
Corrosion Resistant
Fatigue Resistant
Double Stress Relieved
Resists Shock
PSQ Straightness
Precision TGP Finish
Machinable & Weldable
Sour Service Approved

Agency Concurrence

NACE MR-01-75-97 rev
AMS-5763 (chemistry)
FDA and API-6A

Typ. Mechanical Properties*

Hardness - 258/294BHN
Tensile - 140,000 PSI
Yield - 108,000 PSI
Elongation in 2" - 26%
Reduction of Area - 65%
Charpy "V" Notch - 105 @ 70°F
*Based on 1/2" test specimen

Service Temperature

800°F (constant); Oxidation
Resistant To 1200°F

Availability

PSQ Rounds - 1/4" up 6"
Rough Turned, Oversized -
3/4" up to 6-3/4"

*Sizes under 1" round may have
modified analysis at mill discretion
relative to production requirements.

Lengths

10/12 Ft R/L, 20/24 Ft R/L
and Custom Cut-To-Lengths



(meets specs of Nass45®)

Mir50[®] replaces most other commercial grade stainless steels such as, 304L, 316L, 410, 416, 17-4PH, 15-5PH depending upon the specific maintenance application.

Mir50[®] accepts additional hardness to Rockwell "C" 36/44. Contact office for details.

MIR50[®] BUSHING STOCK CORROSION RESISTANT STAINLESS STEEL

Features

High Strength
Galling Resistant
Corrosion Resistant
Fatigue Resistant
Double Stress Relieved
Low Memory
Machinable
Weldable
Sour Service Approved

Agency Concurrence

NACE MR-01-75-97 rev
AMS-5763 (chemistry)
FDA and API-6A

Typ. Mechanical Properties*

Hardness - 258/294BHN
Tensile - 140,000 PSI
Yield - 108,000 PSI
Elongation in 2" - 26%
Reduction of Area - 65%
Charpy "V" Notch - 105 @ 70°F
*Based on 1/2" test specimen

Service Temperature

800°F (constant); Oxidation
Resistant To 1200°F

Availability

2-1/2" OD x 1" ID up to
6-1/2" OD x 3" ID
Supplied rough machined with
allowance for proper clean-up.

Other sizes available, contact
office for further details.

Lengths

Custom Cut-To-Lengths



(meets specs of Nass45®
Bushing Stock)

Mir50[®] is well-known as the "4340 of the stainless world". Offers excellent serviceability in the paper, marine, chemical and food processing industries.

CENCOR[™] STAINLESS (316L) PRECISION-FINISH, TGP STAINLESS SHAFT

Features

Corrosion Resistant
Precision TGP Finish
Tight Tolerances
Scaling Resistant
Machinable

Typ. Mechanical Properties*

Hardness - 186BHN
Tensile - 82,000 PSI
Yield - 33,000 PSI
Elongation in 2" - 35%
Reduction of Area - 45%
*Based on 1/2" cross section

Service Temperature

1400°F (max limit)

Availability

Rounds - 1/8" to 4-1/2"
Metric Rounds - 4MM to 50MM

Lengths

10/13 Ft R/L
Custom Cut-To-Lengths



(meets specs of Sheffield[™] Stainless)



Our field-proven stainless steels are engineered to provide optimal service life and performance in a host of maintenance applications.

ASC2250[®] LDX HIGH STRENGTH, LEAN DUPLEX, BEARING-FIT STAINLESS SHAFT

Features

Stress Corrosion Cracking (SCC) Resistance
Excellent Pitting Resistance (PRE26)
Corrosion Fatigue Resistance
Improved Strength Over 304L & 316L Stainless
Service Temperature Up To 800°F
Machinable and Weldable
Bearing-Fit, TGP Finish

Agency Concurrence

National Sanitation Foundation approval for drinking water applications (NSF Section 61).
USDA approval for dairy processing applications (3-A Format for Sanitary and Practice Standards).

Typ. Mechanical Properties*

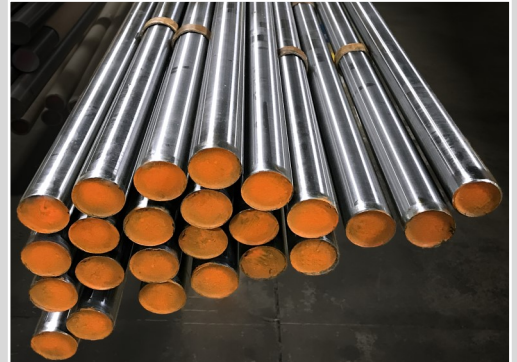
Hardness - 290BHN max
Tensile - 94,000 PSI min
Yield - 65,000 PSI min
Elongation in 2" - 30%
Reduction of Area - 45%
*Based on 1/2" test specimen

Availability

Bearing-Fit TGP Rounds - 1/2" to 6"
Rough Turned, Oversize Rounds - 5/8" to 6"
Metric Bearing-Fit Rounds - 20MM to 90MM

Lengths

10/13 Ft R/L, 20/26 Ft R/L and Custom Cut-To-Lengths



(meets specs of Sheffield™ MDSS)

ASC2250[®] LDX HIGH STRENGTH, LEAN DUPLEX STAINLESS PLATE

Features

Stress Corrosion Cracking (SCC) Resistance
Excellent Pitting Resistance (PRE26)
Corrosion Fatigue Resistance
Superior Mechanical Properties
Improved Strength Over 304L & 316L Stainless
Machinable and Weldable
"Non-Bright" Surface Finish

Agency Concurrence

National Sanitation Foundation approval for drinking water applications (NSF Section 61).
USDA approval for dairy processing applications (3-A Format for Sanitary and Practice Standards).

Typ. Mechanical Properties*

Hardness - 290BHN max
Tensile - 94,000 PSI min
Yield - 65,000 PSI min
Elongation in 2" - 30%
Reduction of Area - 45%
*Based on 1/2" test specimen

Service Temperature

Up to 800°F

Availability

Plates - 14 Gage up to 3/8" Thick

Sheet Sizes

48" x 120"



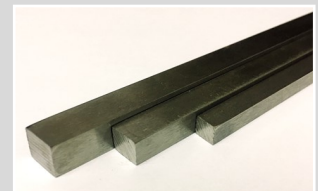
ASC2250[®] LDX (2101 Duplex) is a lean duplex stainless steel that exhibits equal parts Austenite and Ferrite. It combines high chromium, nitrogen and molybdenum to enhance the corrosion resistance and toughness of the steel.

AQUA-KEY[®] HIGH STRENGTH, CORROSION RESISTANT STAINLESS KEYSTOCK

A unique stainless steel product designed to provide a high level of reliability for general maintenance applications in marine service and other corrosive environments.

Availability

Squares and Rectangles
(Contact Office For Details)



ABRASION RESISTANT, HIGH IMPACT WEAR PRODUCTS

RHINO-TUF® EZ AR400 ABRASION RESISTANT, "THRU-HARDENED" WEAR PLATE

Features

Clean Steel Technology
Vacuum Degassed
Abrasion Resistant
Ease of Machining
Weldable & Formable
Low Carbon Equivalency

Typ. Mechanical Properties

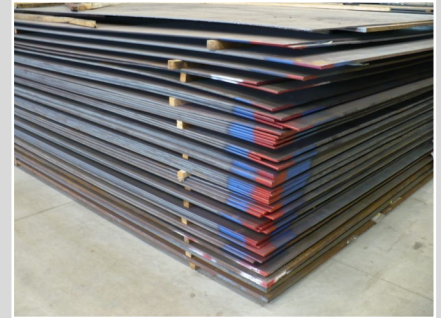
Hardness - 400/440BHN
Tensile - 180,000 PSI
Yield - 140,000 PSI
Elongation in 2" - 15%
Reduction of Area - 60%
Grain Type - Tempered Martensite
Carbon Equivalency (CE) - 47

Availability

Plates - 1/8" up to 4"

Sheet Sizes

48" x 96", 48" x 144",
48" x 288", 96" x 144"
and 96" x 288"
Custom Cut Shapes
Options Available



(meets specs of Sheffield™ 45XL)

Rhino-Tuf® EZ can replace most other commercial grade wear products including but not limited to: HSLA, T-1, A36, AR360, AR400 and A514. Plasma, laser and water jet cutting services available.

RHINO-TUF® EZ AR400 ABRASION RESISTANT, "THRU-HARDENED" WEAR STRIPS

Features

Clean Steel Technology
Vacuum Degassed
Abrasion Resistant
Ease of Machining
Weldable & Formable
Low Carbon Equivalency

Typ. Mechanical Properties

Hardness - 400/440BHN
Tensile - 180,000 PSI
Yield - 140,000 PSI
Elongation in 2" - 15%
Reduction of Area - 60%
Grain Type - Tempered Martensite
Carbon Equivalency (CE) - 47

Availability

Strips - 1/8" up to 1" Thk
Widths - 3/4 up to 4"
and Custom Options

Lengths

10/12 Ft R/L, 20/24 Ft R/L
and Custom Options



Rhino-Tuf® EZ wear strips are offered as hot roll bars (mill edged), oxy-cut, and/or high-definition plasma cut depending upon size and thickness configuration.

LARGEST SINGLE LOCATION OF WEAR STRIP INVENTORY IN NORTH AMERICA.

ULTIMA™ 501 AR500 (MOD), ABRASION RESISTANT, "THRU-HARDENED" WEAR PLATE

Features

Clean Steel Technology
Vacuum Degassed
Electric Furnace Melt
Abrasion Resistant
Quench & Tempered
Formable
Inclusion Shape Control

Typ. Mechanical Properties

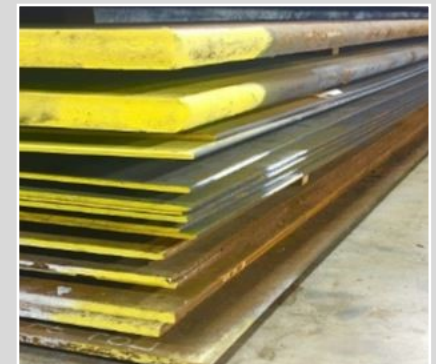
Hardness - 475/535BHN
Tensile - 255,000 PSI
Yield - 200,000 PSI
Elongation in 2" - 15%
Reduction of Area - 41%
Grain Type - Tempered Martensite
Carbon Equivalency (CE) - 54

Availability

Plates - 1/4" up to 3"

Sheet Sizes

48" x 96", 48" x 144",
48" x 288", 96" x 144"
and 96" x 288"
Custom Cut Shapes
Options Available



(meets specs of Supra™ HT)

Rhino-Tuf® EZ and Ultima™ 501 are engineered to handle a wide range of maintenance applications including: crusher plates, truck bed liners, chain conveyors, hammers, bucket liners, fan blades, impact pads, coal chutes, wear screens, mixer components, inspection plates and chipper blades.

Both Rhino-Tuf® EZ and Ultima™ 501 are intended for use in applications where a good balance of impact, toughness and abrasion resistance are required. Abrasion resistant steels are typically sold to hardness ranges and not fixed chemistries.

Note: Wear plate products are designed for liner applications; they are not intended for use as self-supporting structures or lifting devices. Proper precautions should be adhered to when working with and/or fabricating AR plate products.

Our wear resistant materials are manufactured to rigid industry standards to meet your most demanding applications.

ULTIMA™ 601 AR600 ABRASION RESISTANT, HARDENED I.D. WEAR PIPE

Features

Excellent Hardness
 Superior Abrasion Resistance
 Adaptable To Various Configurations
 Up To 6X More Life Than Mild Steel

Typ. Mechanical Properties

I.D. Hardness - 600BHN
 O.D. Hardness - 300BHN The O.D. is still "wear plate hard" (360/400BHN).

Availability

3" SCH 40 up to 8" SCH 40
 6" SCH 80 up to 14" SCH 80
 10" XH up to 20" XH
 Custom T's, Y's, Laterals, Reducers, Flanges and Couplings Also Available

Lengths

10 Ft R/L
 20 Ft R/L
 Custom Lengths



(meets specs of Tuf-Pipe™ 600)

Ultima™ 601 is designed to extend service life where abrasive materials (i.e. glass, coke, coal, wood chips, fly ash, sand, cement, rice and stone) can cause pre-mature wear. Simple welding precautions are required to protect high hardness at the joints. Inquire.

WORKWEAR™ 14 11-14% (HADFIELD) MANGANESE IMPACT STEEL

Features

Excellent Hardness Results
 Hardens Under Load and Impact
 True Hadfield Grade

Availability

Plates - 1/4" up to 3" Thick
 Rounds - 3/8" up to 7"
 Flats - 1/4" up to 2" Thick
 Squares - 3/4", 1", 1-1/2" and 2"
 Angle - 2" x 2" x 1/4"

Typ. Mechanical Properties

Tensile - 130,000 PSI
 Yield - 85,000 PSI
 (As Delivered) Hardness - 250BHN
 (After Work Hardening In The Field) Achieved Hardness - 550BHN

Contact our office for all sizes and various configurations.



(meets specs of Sheffield™ 14% Manganese)

RHINO-KLAD™ CHROMIUM CARBIDE OVERLAY CLAD PLATE AND SHAPES

Features

Excellent Abrasion Resistance
 High Impact Resistance
 Weldable

Availability

Standard Nominal Thicknesses - 3/8" up to 1"
 Carbide Overlay Thickness - 1/8" up to 3/8" (Single & Double Pass Available)

Rhino-Klad™ provides excellent service in extreme abrasion and impact applications. The process provides a chromium carbide overlay metal that is fusion bonded to high quality plate. Cladding plate produces natural stress relief cracks which provide a certain amount of extended wear.

Typ. Mechanical Properties

Developed Hardness - Rc "60/62"

Contact our office for all sizes and various configurations.



(meets specs of Redi-Clad™)

OTHER SPECIALTY MATERIALS

KROMITE® THREADED BAR

HEAT TREATED, ROLL THREADED ROD

Features

Heat Treated
High Strength - Alloy Material
Rolled Threads vs Cut Threads
Excellent Toughness
Creep Resistant
Consistent Grain Structure
High Degree of Accuracy
Precision Fit

Lengths

10/12 Ft R/L
Custom Cut-To-Lengths

Typ. Mechanical Properties

Hardness - 321BHN
Tensile - 155,000 PSI
Yield - 135,000 PSI
Grain Size - 7
Elongation in 2" - 19%
Reduction of Area - 53%
**Based on 1/2" test specimen*

Availability

National Fine - 1/4" (28) to 2" (12)
National Coarse - 1/4" (20) to 2-1/2" (4-1/2)
Eight Pitch - 1" (8) to 2-1/8" (8)
Acme - 3/8" (12) to 2-1/2" (4)
Metrics - 4MM (.7) to 39MM (4.0)

Kromite® Threaded Bar conforms to ASTM A193, Grade B7.

The secret to the strength of our threaded bar is in the rolling process. Thread rolling deforms the blank material as it is forced along the contour of the die. The worked material is strain hardened, resulting in a product stronger and harder with minimal risk of fatigue failure relative to cut threads.

Considered as a suitable upgrade where maintenance applications require improved strength and durability. Not intended for indexing or lead screws.



Grain structure is maintained in continuous unbroken lines, increasing tensile and shear strength.



Sharp cuts and gouges, weaken threads and can serve as stress risers.

(meets specs of Sheffield™ Stud Stock)

KROMITE® ECONO-FINISH

PRE-HARD, 28/34 RC, DECARB-FREE, PLATE

Features

Heat Treated
High Strength
4140/4142 (Mod.) Alloy
Furnished 269/341BHN
Decarb-Free
Machinable

Lengths

10/12 Ft R/L
Custom Cut-To-Lengths

Surface Condition*

Ground Top & Bottom (+.015"/+.035" oversize)
Edges Saw Cut (+1/8" oversize) With Stock Allowance For Clean-Up
**As Delivered (Pre-Machined Condition)*

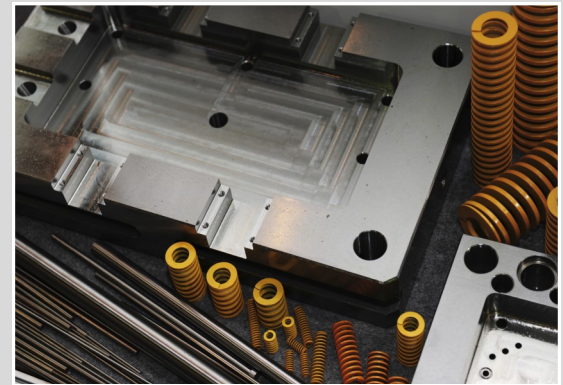
Availability

Squares 3/4" to 6"
Flats 1/4" to 6" thick and 1" to 32" wide
Also available in the Annealed Condition (please inquire)

This pre-hardened, **pre-machined** product will dramatically reduce material preparation time and allow you to get finished parts in service quickly and to extend service life.

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.

Consider this product for dies, molds, support tooling, and various fixtures. Please inquire with your "finished" dimensions.



(meets specs of Sheffield™ Redi-Finish)

OTHER TOOL & DIE STEELS

Molex® #7 (O-1) Oil Hardening Tool Steel
Molex® #8 (A-2) Air Hardening Die Steel
Molex® #13 (H-13) Hot Working Tool Steel
Krome Die™ (D-2) Air Hardening Die Steel
Lusco™ #7 (S-7) Shock Resistant Tool Steel

**Precision Finish, Decarb-Free, Close Tolerance
Drill Rod & Flat Ground Stock Available (all grades)**

MIRRO-KROME 60[®] (I.H.C.P.)

INDUCTION HARDENED, CHROME PLATED

Features

Induction Hardened
 Chrome Plated
 Abrasion Resistance
 Corrosion Resistance
 Polished Finish
 Fatigue Resistance

Typ. Mechanical Properties*

Surface Hardness - Rc "50" min
 Depth of Plating - .001"/side
 Yield - 100,000 PSI approx.
 Elongation in 2" - 10%
 Reduction of Area - 38%
 Finish - 12/15 RMS
 *Based on 1/2" dia. specimen

Availability

Rounds - 1/2" up to 6"
 Metrics - 12MM up to 80MM (other sizes may be available)

Lengths

10/12 Ft and 20/24 Ft R/L,
 Custom Cut-To-Lengths



(meets specs of Sheffield™ Redi-Case)

Certain smaller sizes may have modified analysis and (.0005") chrome thickness per side.

MIRRALOY[®] HCP (C.P.O.)

HARD CHROME PLATED SHAFT

Features

Chrome Plated
 Abrasion Resistance
 Corrosion Resistance
 Polished Finish

Typ. Mechanical Properties*

Chrome Hardness - Rc "58/60"
 Depth of Plating - .001"/side
 Yield - 100,000 PSI approx.
 Elongation in 2" - 10%
 Reduction of Area - 38%
 Finish - 12/15 RMS
 *Based on 1/2" dia. specimen

Availability

Rounds - 1/2" up to 4"
 Metrics - 10MM up to 70MM (other sizes may be available)

Lengths

10/12 Ft and 20/24 Ft R/L,
 Custom Cut-To-Lengths



(meets specs of Sheffield™ Redi-Chrome)

Certain smaller sizes may have modified analysis and (.0005") chrome thickness per side.

Both Mirro-Krome 60[®] and Mirraloy[®] HCP are engineered for use in a host of pneumatic and hydraulic piston rods, as well as, other applications such as dowel and guide pins commonly seen in the agricultural and construction industries. Proper consideration should be given for material choice dependent upon specific requirements and/or in-house machining capabilities.

MIRRO-MAX 60[®] INDUCTION

HARDENED, BEARING-FIT, LINEAR SHAFT

Features

Hardened Case
 Wear Resistant
 Machine Straightened
 Precision Finish
 Bearing-Fit Tolerances
 Chamfered Ends

Availability

Rounds - 1/4" up to 4"
 Metrics - 8MM up to 50MM

Lengths

Custom Lengths



(meets specs of Sheffield™ #65)

Mirro-Max 60[®] is ideal for bearing, linear shafting, linear guides, shaft supports and hardened roller applications with tight diameter and straightness tolerances. Combines elevated hardness with tight diameter and straightness tolerances for optimum fit. This product is not chrome plated.

METRIC SIZED METALS

ALLOY

Heat Treated, TGP (4140/50 mod.) Shafting - MIRRALLOY® TGP

Available Sizes

4MM - 100MM Rounds

Cold Finished, Annealed (4140 mod.) Bar Stock - KROMITE® CD

Available Sizes*

20MM - 50MM Squares

*Inquire on Metric Flats

STAINLESS STEEL

Precision Fit, TGP (316L) Shafting - CENCOR™

Available Sizes

5MM - 40MM Rounds

Bearing-Fit, TGP Lean Duplex Shafting - ASC2250® LDX

Available Sizes

20MM - 90MM Rounds

THREADED ROD

Heat Treated, Roll Threaded (B7) - KROMITE® THREADED BAR

Available Sizes

4MM (.7) - 39MM (4.00)

KEYSTOCK

Cold Finished, Double Drawn Keystock - KROMITE® KEYSTOCK

Available Sizes

5MM - 50MM Squares

CHROME ROD

Induction Hardened, Chrome Plated - MIRRO-KROME 60®

Available Sizes

12MM - 80MM Rounds

Hard Chrome Plated Shafting - MIRRALLOY® HCP

Available Sizes

10MM - 70MM Rounds

LINEAR SHAFT

Induction Hardened, Bearing-Fit, Linear - MIRRO-MAX 60®

Available Sizes

6MM - 50MM Rounds



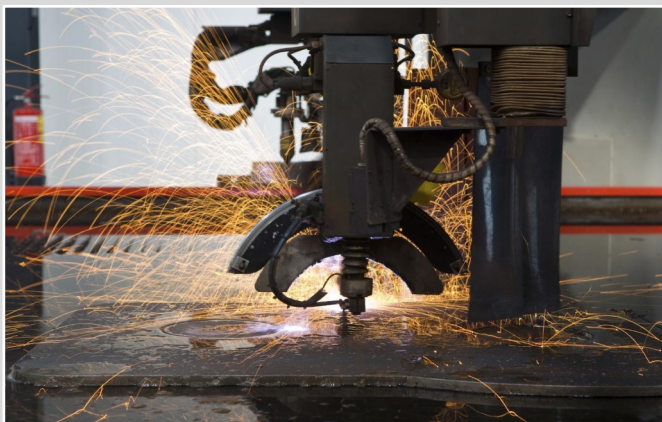
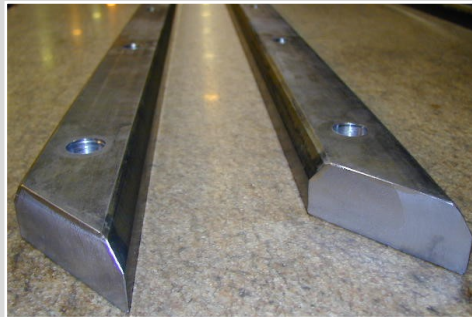
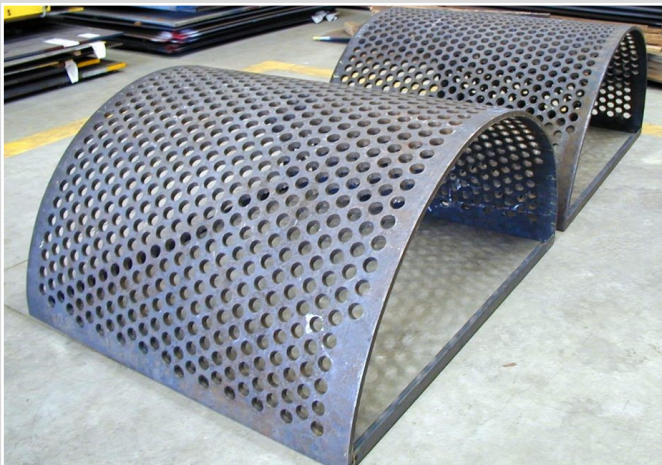
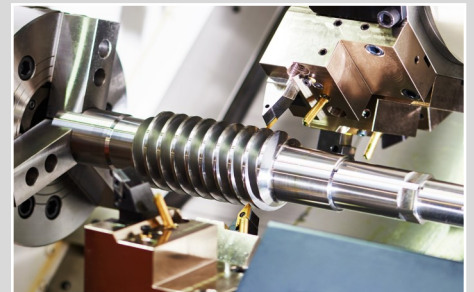
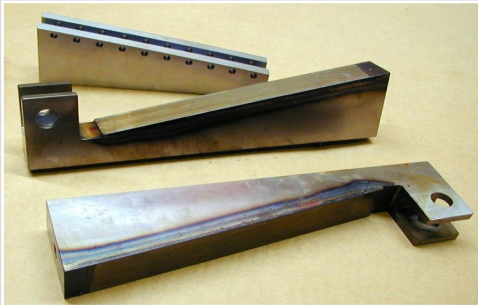
Please contact our offices with all other sizes, grades and configurations of metric materials that may not be shown. We shall make every effort to accommodate your requirements.

BAR & PLATE FABRICATION SERVICES

For 80 years, Associated Steel Corporation has been providing fabrication service and technical assistance. Our experienced team routinely handles the most difficult maintenance problems through our Special Service Division (SSD). Associated Steel Corporation is capable of providing a complete O.E.M. replacement product that is ready for immediate installation to minimize downtime and increase productivity. Our capabilities include the latest version of AUTOCAD and Blue Print services. We will gladly review your sketches or prints. Quotes from worn or new parts may be an option (restrictions apply).

FABRICATION PROCESSES

- Plasma Cutting
- Polishing
- Facing-To-Length
- Flame Hardening
- Tapping
- Welding
- Broaching
- Saw Cutting
- Chamfering
- Turning-On-Centers
- Straightening
- Planing
- Grinding
- Milling
- Counter-Boring
- Counter-Sinking
- Shape Cutting
- Heat Treating
- Forming
- Shearing
- Drilling



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**Meeting The Challenges
Of Today And Tomorrow**

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