

Cold Finished Steel Bars from Corey

COLD DRAWN BAR SIZES

Rounds	.187" - 4.000"
Hexagons	.3125" - 3.000"
Squares	.375" - 2.000"
Standard Length	12' 0"

Non Standard lengths always available, please inquire.
For diameters up to and including 1 1/2 inches: 20' 0" Max Length
For diameters greater than 1 1/2 inches: 24' 0" Max length

COMMON STEEL GRADES AVAILABLE

Carbon Grades	10XX, 11XX, 11LXX, 15XX
Free Machining Grades	12XX, 12LXX, 12XX BISMUTH
Alloy Grades	86XX, 86LXX, 41XX, 41LXX, 43XX

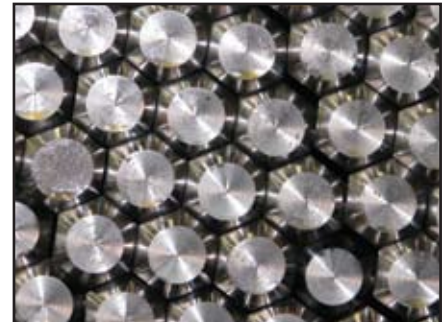
MAGNETIC TESTING

Corey can test bars magnetically for surface defects. Commonly called eddy current testing, this test looks for surface defects at a prescribed depth by creating a magnetic field which is interrupted by surface defects. Corey can perform this test both during the drawing process and off line if needed.



CHAMFERING

A new off-line chamfering machine that complements our in-line chamfering capabilities allows Corey to now chamfer our entire size range of cold finished products.



INVENTORY

Corey has not forgotten that its roots come from the distribution end of the steel products business. We believe that maintaining a sizable amount of inventory of cold drawn bars gives our company the flexibility to balance the production side of our business with our customers' requirements. Our inventory holds the sizes and grades that support our current sales and our sophisticated inventory optimization program changes that profile as our customers and their requirements change.



2800 South 61st Court, Cicero, Illinois 60804
708-735-8000 • 800-323-2750 • Fax: 708-735-8100
www.coreysteel.com • ISO 9001:2008 and ISO 14001:2004

Aluminum Bars from Corey

Corey has been in the aluminum distribution business for over 80 years. Today you will find an extensive range of sizes and grades in both hard and soft alloy bar, rod and wire products. We also stock selected sizes and grades of aluminum pipe, tube and extruded hollows.

Corey also manages a sizable inventory of custom extruded profiles and other special shapes for customers who wish to machine their part from a semi finished product rather than a solid bar. These custom shapes are produced by our aluminum suppliers on dies produced to the specifications provided by the customer. Minimum quantities are usually required by the aluminum supplier and Corey arranges with the customer an adequate inventory level to maintain on our premises to support the customer's demand.



ALUMINUM BAR SIZES

COLD FINISHED ALUMINUM

GRADE	ROUNDS	HEXAGONS
2011 - T3	1/8" - 3 1/4"	1/4" - 2 1/2"
K211 - T3*	1/8" - 3 1/4"	1/4" - 2 1/2"
2024 - T4	1/8" - 1 1/16"	1/8" - 5/8"
2024 - T351	3/4 - 4"	1 1/16" - 2 1/2"
6064 - T6**	Please Call	Please Call
6064 - T8**	Please Call	Please Call
6064 - T651**	Please Call	Please Call
6061 - T651	3/4" - 4"	3/4" - 2 1/2"

EXTRUDED ALUMINUM

GRADE	ROUNDS	HEXAGONS
6061 - T6511	1/2" - 4"	1/4" - 2 1/2"
6064 - T6511	9/16" - 4"	1/2" - 2 1/2"

6064 - T6511 is a RoHS compliant alternative to 6262 produced by Kaiser Aluminum

EXTRUDED ALUMINIUM - PRECISION ROD™

GRADE	ROUNDS	HEXAGONS
6061-T6511	5/16" - 3"	-

PRECISION ROD™ is a registered trademark of Kaiser Aluminum

Selective sizes are available in grades 6262 and 7075 - rounds and hexagons. Standard lengths 12'. Inquire other lengths, sizes and shapes not shown above.

*K211 - T3 is a RoHS compliant material that compares favorably with standard 2011. It is produced by Kaiser Aluminum.

** 6064 is a lead-free alternative to 6262 produced by Kaiser Aluminum.



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Copper Alloy Bars from Corey

Corey Steel has been distributing copper and copper alloy products since the company's inception. Various grades of brass, bronze, high leaded brass, and leaded nickel silver can be found in our inventory.

As one of the leading long products suppliers to the screw machine industry our copper alloy products find their way into such products as hydraulic fittings, electrical connectors, plumbing supplies, lawn and garden products, automotive parts and musical instruments.



COPPER ALLOY TYPES AND SIZES

FREE CUTTING BRASS CDA 36000 ASTM B 16

Rounds	3/32" - 4.000"
Hexagons	5/32" - 3.000"
Squares	3/16" - 2.000"
Standard Length	12' 0"

HIGH LEADED BRASS CDA 35300 ASTM B 453

Rounds	5/32" - 2"
Hexagons	1/2" - 1 1/8"
Standard Length	12' 0"

LEAD-FREE BRASS C69300 ASTM B124, B283, B371

Rounds	.437" - 2.500"
Hexagons	.437" - 2.00"
Standard Length	12' 0"

NICKEL SILVER CDA 79200 ASTM B 151

Rounds	3/32" - 1 1/8"
Standard Length	12' 0"



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Value-Added Bars from Corey

CENTERLESS GROUND BARS

BAR DIAMETER (INCHES)	STANDARD TOTAL TOLERANCE (INCHES)	SPECIAL ACCURACY TOTAL TOLERANCE (INCHES)
0.100 - 1.250	.0010	.0005
> 1.250 - 1.500	.0010	.00075
> 1.500 - 2.500	.0015	.00125
> 2.500 - 3.000	.0020	.0015



GROUND AND POLISHED

Finished Size	.100" - 3.000"
Length	Maximum 24'0"
Typical Surface Finish Ra	20 - 32 **

* Max Length may vary depending on Equipment
 ** Inquire if required Ra is less than 10

TURND AND POLISHED BARS

Finished Size	.500" - 3.150"
Length	Minimum 8' 10" Maximum 25' 6"
Typical Surface Finish Ra	32-75**

* Max Length may vary depending on Equipment
 ** Inquire if required Ra is less than 15



**CUSTOMER SPECIFIED
TOLERANCE**

SUPERIOR SURFACE

**EXCEPTIONAL
STRAIGHTNESS**

CUSTOM PACKAGING

Corey[®]
STEEL COMPANY

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