



COLD FINISHED STEEL BARS

Steel the start and finish of cold finished steel bars

Republic Steel has been at the heart of production and technological advancement in the cold finished steel bar industry since the 19th century. We've been making cold finished steel bars for our customers since 1886.

The first manufacturer of **cold finished steel bars** still sets the standards. Republic Steel is your truest partner to get the cold finished bars you want when you want them – true to shape and size, and truly dedicated to top-quality standards.

Republic Steel has earned a **leadership** position in the cold finished industry by providing cold finished steel bars with exacting tolerances, special finishes, thermal treatments, and elevated qualities. This has led to a level of technical service none of our cold finished bar competitors have been able to match.

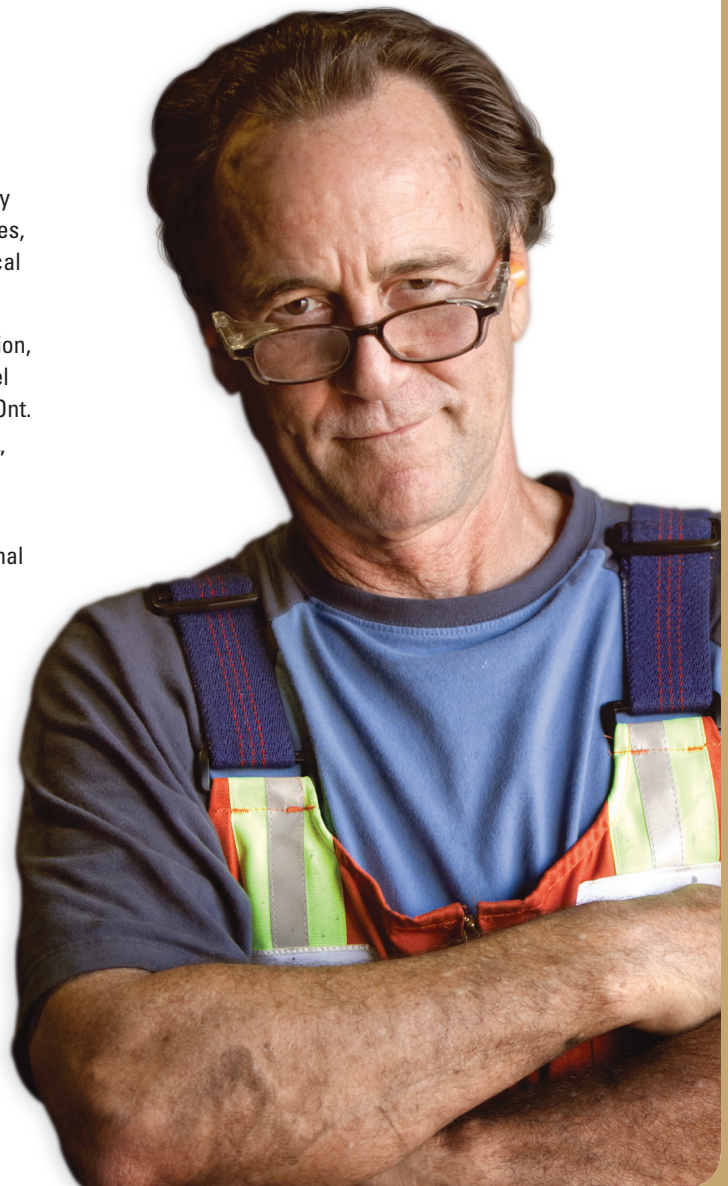
Cold Finished Division headquarters are at Republic Steel's Massillon location, the largest of three Republic Steel sites that manufacture cold finished steel bar. Other cold finished operations are located in Gary, Ind., and Hamilton, Ont.

Republic Steel manufactures carbon and alloy bar products in rounds (0.25" to 6"), hexagons (0.40" to 3.5"); squares (0.40" to 3.5") and flats (0.25" to 3" thickness and 1" to 6" width). The company offers cold finished bar in a variety of special finishes, grades and qualities, and performs various thermal treatments and other value-added processes to the product.

So, if you're one cold customer and believe Republic is steel the start and finish of cold finished steel bar...you are precisely right.

Contact your Republic Cold Finished sales rep today.

800.433.3281 www.RepublicSteel.com





COLD DRAWN BARS

Rounds	0.250" to 6.000"
Hexagons	0.4375" to 3.500"
Squares	0.4375" to 3.500"
Flats	1.000" to 6.000" width, 0.250" to 3.000" thickness

(Please inquire about sizes outside this range.)



SHAPES

Broken-cornered hexagons, flats and squares are available upon request.



SPECIAL FINISHES

Rough Turned	0.750" to 10.000"
Turned & Polished	0.750" to 7.750"
Turned, Ground & Polished	0.750" to 9.000"
Cold Drawn, Ground & Polished	0.250" to 4.000"
Cold Drawn, Turned & Polished	0.750" to 5.750"
Cold Drawn, Turned, Ground & Polished	0.750" to 5.750"

Chamfer, saw-cut and multi-cut processes are available.

THERMAL TREATMENT

Quench & Temper | Normalize | Normalize & Temper | Anneal | Stress-Relieve Anneal
Spheroidize Anneal | Carbon Restoration Anneal | Lamellar Pearlitic Anneal | Cold Shear Anneal

ALLOY GRADES*

Manganese	13xx
Moly	40xx
Chrome-Moly	41xx, 41Lxx
Nickel-Moly	46xx
Chromium	50xx, 51xx, 52100, 52L100
Chrome-Vanadium	6150
Nickel-Chrome-Moly	43xx, 47xx, 81xx, 86xx, 87xx, 93xx, 94Bxx

CARBON GRADES*

1008-1095	1212, 1213 1215 & Multicut®	Republic 100™ ASTM-A 311 B Republic 125™
1117-1151	12L14 & Multicut® Pb	Republic Custom High Strength Multicut® Biz (Bismuth)
15XX	12L14 Se 1214Bi	

QUALITIES

Aircraft | Bearing | Cold Working & Forming | Gun | Magnaflux® | Shell

Magnaflux® is a registered trademark of Illinois Tool Works, Inc.

SPECIALTY GRADES*

Free-Machining Steels — Bismuth, Selenium, Lead | Calcium-Refined
Steel High-Strength Steels

**Since we melt our own steels, tailor-made chemistries are available upon request, including DIN and JIS specs.*

LEADED STEELS

All common leaded grades available:
11L17, 11L41, 11L44, 12L14, 41L40, 86L20

Custom-leaded grades available upon request.

Gary Cold-Finished Plant

2800 E. Dunes Highway
Gary, Indiana 46402-1607

Hamilton Cold-Finished Plant

155 Chatham Street
Hamilton, Ontario L8B 2B7

Massillon Cold-Finished Plant

401 Rose Avenue SE
Massillon, Ohio 44646-6870