







Cold-Finished Bars

Cold Drawn Bars

-  Rounds 0.250" to 6.000"
-  Hexagons 0.250" to 3.500"
-  Squares 0.375" to 3.500"
-  Flats 1.000" to 6.000" width
0.250" to 3.000" thickness
[Please inquire sizes outside this range.]

Shapes

-  Broken-cornered hexagons, flats and squares available upon inquiry.

Special Finishes

- | | |
|---------------------------------------|------------------|
| Rough Turned | 0.750" to 9.500" |
| Turned & Polished | 0.750" to 7.500" |
| Turned, Ground & Polished | 0.750" to 9.000" |
| Cold Drawn, Ground & Polished | 0.250" to 4.000" |
| Cold Drawn, Turned & Polished | 0.750" to 4.500" |
| Cold Drawn, Turned, Ground & Polished | 0.750" to 4.500" |

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



Republic has been a leader in cold-finished bar products for over 100 years. Since the 19th century, we've been at the heart of product innovation and technological advancement in the industry.

Alloy Grades

Manganese	13XX
Moly	40XX
Chrome-Moly	41XX, 41LXX
Nickel-Moly	46XX, 48XX
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-311-B Republic 125™
1117-1151	12L14 & Multicut® Pb	Republic Custom High Strength
15XX	12L14 Se 1214Bi	Multicut® Biz (Bismuth)

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, Tellerium, Selenium, Lead
Calcium Refined Steels
High Strength Steels
Alloy Leaded 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:

10L18, 11L17, 11L37, 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

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800.433.3281 www.RepublicEngineered.com