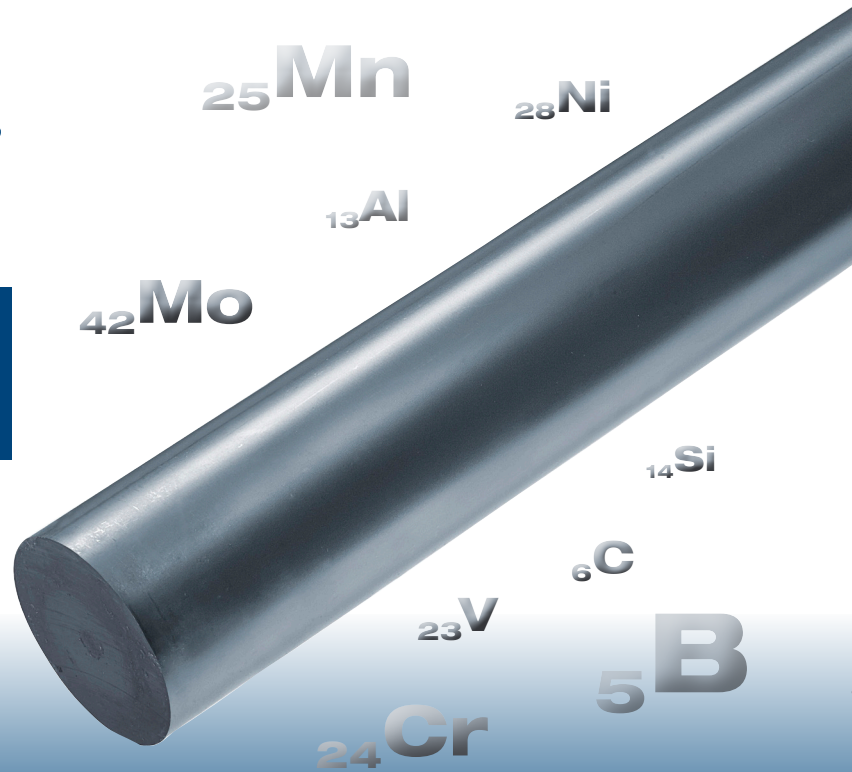


Engineered Chemistries for Specific Applications in Carbon & Alloy Steels

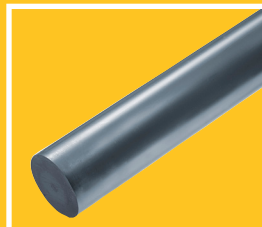
Hot Rolled SBQ Bars

Quality | Versatility | Dependability



SBQ PRODUCTS BENEFITS:

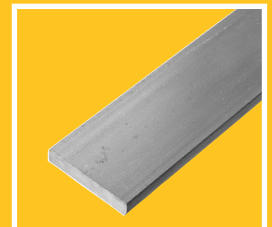
- Flexible and dynamic network of mills in North America
- Access to Gerdau global metallurgical network
- More restrictive and predictable chemical composition ranges
- Better surface quality
- Better flexibility of design
- Serves a broad range of applications



Rounds



Squares



Flats

SBQ Products	Size Range
Rounds	5/8" to 5.532"
Round Cornered Squares	1-1/4" to 2-1/4"
Flats	1" to 6" width 1/4" to 1-1/2" thick
Proprietary Ribbed Sections	3/4" to 3"
Billets	Various Sizes
Special Section Thread bar/18J	Per Request



www.GLN-SBQ.com

SBQ Products

SBQ Products come in various shapes, sizes and grades, and are produced in our network of mills in North America. Finished goods applications include Industrial and Commercial Forging, Sucker Rod, Spring Flats, Cold Finishing, Fasteners, Machined Parts, Coil Springs, Stampings, Fabricated Components and non-critical Automotive Parts to name a few.



SBQ PRODUCTS GRADE CROSS REFERENCE TABLE

Grade Family	Alloying System	Examples
10xx	Plain Carbon Steel	1018, 1045, 1060
11xx	Re-sulfurized Steel	1117, 1141, 1146
12xx	Free Machining Steel	1215
15xx	High Manganese	1524, 1536, 1541
40xx	Molybdenum	4027, 4047
41xx	Chromium-Molybdenum	4130, 4140, 4142
43xx	Nickel-Chromium-Molybdenum	4320, 4332
46xx	Nickel-Molybdenum	4623
47xx	Copper-Nickel-Chromium-Molybdenum	4720
50xx	Chromium	5046
51xx	Chromium	5160
61xx	Chromium-Vanadium	6150
86xx	Nickel-Chromium-Molybdenum	8620

ROUND REDUCTION RATIOS

Diameter	Typical Reduction Ratio
3.50	4.4:1
3.25	5.1:1
3.00	5.9:1
2.75	7.1:1
2.50	8.6:1
2.25	10.6:1
2.00	13.4:1
1.75	17.6:1
1.50	23.9:1
1.25	36.2:1
1.00	53.8:1

Gerdau Long Steel North America mills producing SBQ bars



For more information, scan the QR code above with your mobile device or ask your Gerdau sales representative.

US Sales: 800.237.0230
 Canadian Sales: 800.263.2662
 GLN-SBQ.com

