



NELSEN STEEL COMPANY

VIKING 100™

*“Tried and tested
since 1963...”*



ASTM A-311 Class B

VIKING 100™

High-strength and good machinability make Viking 100™ an excellent choice for demanding applications. Nelsen Steel starts with special chemistry grade 1144 SBQ hot rolled bars, and processes these bars using proprietary die designs, engineered draw practices, special furnace treatments, and enhanced, non-destructive testing. The result is a high-strength bar with excellent straightness, accurate dimensional characteristics, and machinability to keep your machines productive and your customers satisfied with outstanding performance in the field.

Typical Mechanical Properties

Yield Strength	100 ksi (min)
Tensile Strength	115 ksi (min)
Elongation	8% *
Reduction of Area	25 % **
Hardness	30 HRc

* Diameters Over 3" – 7% Elongation

** Diameters Over 2" – 20% Reduction of Area

Size Range

Rounds	.375" – 4.5"
Hexagons	.375" – 2.5"

Chemistry: AISI Grade 1144

Also available in Grades 1045, 1050, 1141 & 1541

Carbon	0.40 – 0.48
Manganese	1.35 – 1.65
Phosphorus	0.040 max.
Sulfur	0.24 – 0.33



NELSEN STEEL COMPANY

9400 W. Belmont Ave. • Franklin Park, IL 60131-2898 • Phone: 847-671-9700 • Fax: 847-671-6833 • www.nelsensteel.com