



NESSteel Inc.

Steel Grade 8620

General

The most widely used carburizing alloy. Its nickel content imparts good toughness and ductility. The chromium and molybdenum increases hardness penetration and wearability. This steel's well balanced alloy content permits hardening to produce a strong, tough core and high case hardness. It machines at 110 sfm and has good welding qualities.

Grade 8620

Tolerance Meets cold finished carbon steel bar manufacturing tolerances

Application Structural parts such as gears, pinions, spline shafts, pins and a variety of other important applications requiring a hard wear surface and a ductile core.

Chemistry

Carbon	0.18/0.23
Manganese	0.70/0.90
Phosphorus	0.035 (Max)
Sulphur	0.04 (Max)
Silicon	0.15/0.35
Nickel	0.40/0.70
Chromium	0.40/0.60
Molybdenum	0.15/0.25