

PRODUCT DATASHEET

# 440C

## Grade

High carbon martensitic 400 series grade. 1.4125.  
ASTM A276, AMS 5630, EN 10088-3

Composition	
Element	Weight%
Carbon	0.95 - 1.2
Silicon	1 max
Manganese	1 max
Phosphorus	0.04 max
Sulphur	0.03 max
Molybdenum	0.8 max
Chromium	16 - 18
Manganese	1 max

Notes: Combines high strength, hardness, fatigue and wear resistance with moderate corrosion resistance.

## Application

Valve parts, pump parts, bearings, bushings, high pressure nozzles, professional knife blades, surgical instruments, chisels and aircraft parts.

## Mechanical Properties

Can be supplied in a range of hardness, finish and heat-treated conditions. Typically supplied in the annealed condition.

Property	Values
0.2% Yield Strength	60 KSI min (414 MPA min)
Ultimate Tensile Strength	110 KSI min (758 MPA min)