

# Alloy B

Wilfley's Alloy B is a nickel base alloy that was developed for resistance to the corrosive effects of hydrochloric acid.

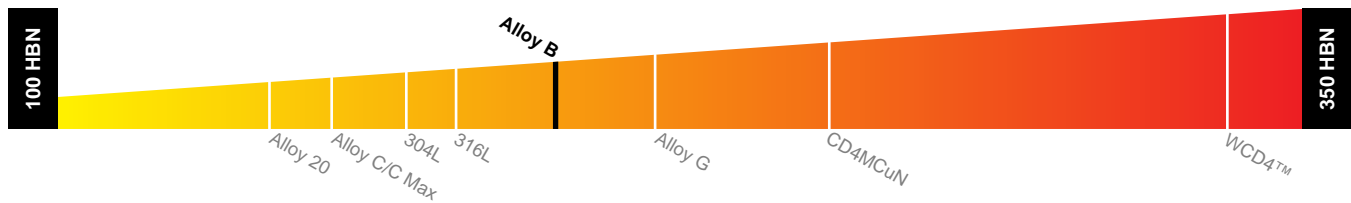
## Classification and Mechanical Properties

Specification	Average Hardness	Minimum Tensile Strength	Minimum Yield Strength	Minimum Elongation
ASTM A494 Grade N7M Mod.	190 - 210 HBN	76,000 psi (524 MPa)	40,000 psi (276 MPa)	20%

## Chemical Composition

C Carbon	Mn Manganese	Si Silicon	P Phosphorus	S Sulfur	Cr Chromium	Mo Molybdenum	Fe Iron	Ni Nickel
0.03 max.	0.8 max.	0.8 max.	0.04 max.	0.03 max.	1.0 max.	27.5 - 33.0	2.0 max.	Balance

## Average Hardness



## Minimum Tensile Strength

