

Alloy C

Wilfley's Alloy C is a nickel base alloy that contains significant amounts of molybdenum and chromium. Alloy C has exceptional resistance to strong oxidizing and reducing agents.

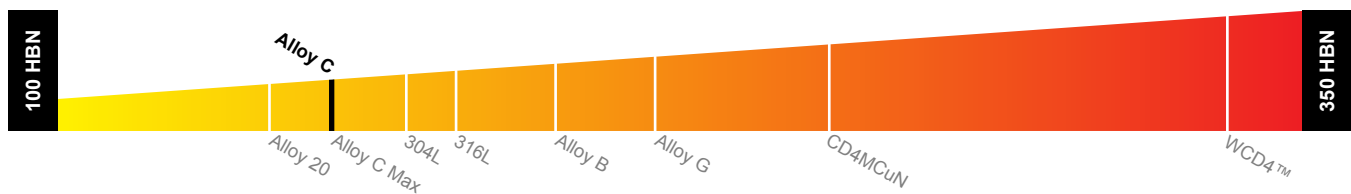
Classification and Mechanical Properties

Specification	Average Hardness	Minimum Tensile Strength	Minimum Yield Strength	Minimum Elongation
ASTM A494 Grade CW-2M	140 - 170 HBN	72,000 psi (496 MPa)	40,000 psi (276 MPa)	20%

Chemical Composition

C	Mn	Si	P	S	Cr	Mo	Fe	W	Ni
Carbon	Manganese	Silicon	Phosphorus	Sulfur	Chromium	Molybdenum	Iron	Tungsten	Nickel
0.02 max.	1.0 max.	0.8 max.	0.03 max.	0.03 max.	15.0 - 17.5	15.0 - 17.0	2.0 max.	1.0 max.	Balance

Average Hardness



Minimum Tensile Strength

