

# Alloy G

# WILFLEY® HEAVY DUTY CENTRIFUGAL PUMPS

Wilfley's Alloy G is a high chromium nickel base alloy that offers superior corrosion resistance in difficult applications, such as phosphoric acid containing oxidizing acids.

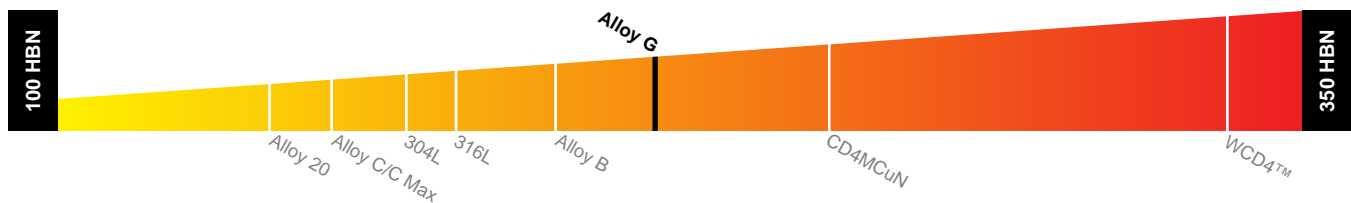
## Classification and Mechanical Properties

Specification	Average Hardness	Minimum Tensile Strength	Minimum Yield Strength	Minimum Elongation
ASTM A494 Grade CX2MW Mod.	190 - 250 HBN	80,000 psi (552 MPa)	45,000 psi (310 MPa)	30%

## Chemical Composition

C	Mn	Si	P	S	Cr	Mo	Cu	Fe	Co	W	V	Ni
Carbon	Manganese	Silicon	Phosphorus	Sulfur	Chromium	Molybdenum	Copper	Iron	Cobalt	Tungsten	Vanadium	Nickel
0.03 max.	1.5 max.	0.8 max.	0.04 max.	0.025 max.	28.0 - 31.5	4.0 - 6.0	1.0 - 2.4	13.0 - 17.0	5.0 max.	2.5 - 3.5	0.35 max.	Balance

## Average Hardness



## Minimum Tensile Strength

