

Alloys Name	CARPENTER 20 cb-3		
UNS Number	N08020	Density(g/cm ³)	8.05
Chemical Composition(%)	Carbon 0.07 max Chromium 19 - 21 Copper 3 - 4 Iron Balance Manganese 2 max Molybdenum 2 - 3 Nickel 32 - 38 Phosphorus 0.045 max Silicon 1 max Sulphur 0.035 max		
Mechanical Property(Normal Temperature)			
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
Annealed	99(683)	60(414)	148
Specification	Nicrofer 3620 Nb(tm) Carlson Alloy C20(tm) Alloy 20 AL 20(tm) Nickelvac 23(tm) AISI 664 ASTM B366 ASTM B462 ASTM B463 ASTM B464 ASTM B468 ASTM B471 ASTM B473 ASTM B474 ASTM B475 ASTM B729 DIN 2.4660 UNS N08020		
Description/Applications	* Superior resistance to stress-corrosion cracking in boiling 20 to 40% sulfuric acid. * Excellent resistance to chloride stress corrosion cracking. * Used in chemical and allied industries, food and dry production, heat exchangers, SO ₂ scrubbers and other severe environments.		