

Alloys Name		HASTELLOY C-22	
UNS Number	N06022	Density(g/cm ³)	8,69
Chemical Composition(%)	Carbon 0.015 max Chromium 20 - 22.5 Cobalt 2.5 min Iron 2 - 6 Manganese 0.5 max Molybdenum 12.5 - 14.5 Nickel Balance Phosphorus 0.02 max Silicon 0.08 max Sulphur 0.02 max Tungsten 2.5 - 3.5 Vanadium 0.35 min		
Mechanical Property(Normal Temperature)			
Condition	Tensile Strength 100psi (Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
Annealed	116,3(802)	58,5(403)	184(B-90)
Specification	Inconel(r) Alloy 622 Nicrofer 5621 hMoW(tm) HASTELLOY(r) C22(r) alloy(tm) Nicrofer 5621(tm) ASTM B366 ASTM B564 ASTM B574 ASTM B575 ASTM B619 ASTM B622 DIN 2.4602 UNS N06022		
Description/Applications	* Ni-22Cr-13Mo-3W-3Fe alloy with better overall corrosion resistance and versatility than any Ni-Cr-Mo alloy today. Outstanding resistance to localized corrosion, stress corrosion cracking and oxidizing and reducing chemicals. * Applications include heat exchanger tubing, piping, spargers, reheat components, SO ₂ cooling lines, HF furnaces, incineration systems,		