

Alloys Name		HASTELLOY X	
UNS Number	N06002	Density(g/cm ³)	8,22
Chemical Composition(%)	Aluminum 0.5 max Boron 0.008 max Carbon 0.05 - 0.15 Chromium 20.5 - 23 Cobalt 0.5 - 2.5 Copper 0.5 max Iron 17 - 20 Manganese 1 max Molybdenum 8 - 10 Nickel Balance Phosphorus 0.04 max Silicon 1 max Sulphur 0.03 max Titanium 0.15 max Tungsten 0.2 - 1		
Mechanical Property(Normal Temperature)			
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
Annealed	109,5(755)	55,9(385)	194(B-92)
Specification	Altemp HX(tm) Pyromet Alloy 680(tm) Nicrofer 4722 Co(tm) HASTELLOY(r) X(tm) Nickelvac HX(tm) HASTELLOY(r) X alloy Alloy IHX Pyromet 680(tm) AISI 680 AMS 5536 AMS 5587 AMS 5588 AMS 5754 AMS 5798 ASTM B366 ASTM B435 ASTM B572 ASTM B619 ASTM B622 ASTM B626 DIN 2.4603 DIN 2.4665 GE B50A436 GE B50A463 GE B50T83A GE B50TF24 GE B50TF25 GE B50TF31 PWA 1038 UNS N06002		
Description/Applications	* major nickel-base, high-temperature alloy, Standard material for aircraft, marine and industrial gas turbine engine combustors,(Ni-22Cr-19Fe-9Mo)		