

Hastelloy X(UNS N06002)

Specifications

Item	Chemical Composition (%)						
Hastelloy X	C	Mn	Si	S	Ni	Fe	
	0.05-0.15	≤1.0	≤1.0	≤0.03	Bal	17.0-20.0	
	P	Mo	Cr	W	Co		
	≤0.04	8.0-10.0	20.5-23.0	0.2-1.0	0.5-2.5		
	Standard						
	Sheet/Plate		Round bar/Wire		Pipe		Tube
	ASME SB-435 AMS 5536		ASME SB-572 AMS 5754 AMS 5798		ASME SB-622 ASME SB-775 ASME SB-751 ASME SB-829 AMS 5587		ASME SB-626 ASME SB-619 ASME SB-775 ASME SB-751

Properties

Hastelloy X(UNS N06002) alloy is a nickel-chromium-iron-molybdenum alloy that possesses an exceptional combination of oxidation resistance, fabricability and high-temperature strength.

Application

Hastelloy X(UNS N06002) is widely used in gas turbine engines for combustion zone components such as transition ducts, combustor cans, spray bars and flame holders as well as in afterburners, tailpipes and cabin heaters.