

Hastelloy

X

UNS N06002

W.Nr. 2.4665

Nickel

Chromium

Iron

Molybdenum

www.arialloy.com/hastelloy-x/

• Chemical Composition •

C%	Mn%	P%	S%	Si%	Ni%
0.05 ~ 0.15	≤ 1.00	≤ 0.04	≤ 0.03	≤ 1.00	Balance
Cr%	Mo%	Fe%	Co%	W%	
20.5 ~ 23.0	8.0 ~ 10.0	17.0 ~ 20.0	0.5 ~ 2.5	0.2 ~ 1.0	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Pipe & Tube	All	690	276	35	...	...
Bar & Rod	All	660	240	35	...	...
Plate, Sheet & Strip	All	655	240	35	...	...

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.297	8.22	2300 ~ 2470	1260 ~ 1355

• Main Standards •

Billet, Rod, Bar & Forging	Plate, Sheet & Strip	Pipe & Tube	Fittings	Welding Products
ASTM B472 ASME SB 472 ASTM B572 ASME SB 572 SAE AMS 5754	ASTM B435 ASME SB 435 SAE AMS 5536	ASTM B622 ASME SB 622 ASTM B619 ASME SB 619 ASTM B626 ASME SB 626	ASTM B366 ASME SB 366	AWS5.14/ ERNiCrMo-2 AWS5.11/ ENiCrMo-2