

SPECIFICATIONS - Corrosion-Resistant Alloys

Alloy	Density lb./in ³	Sheet, Plate & Strip	Billet Rod/Bar	Coated Electrodes	Bare Welding Rods	Seamless Pipe & Tube	Welded Pipe & Tube	Fittings	Forgings	DIN	TUV	Others
HASTELLOY® B-3® alloy N10675 (W8675)	0.333	SB 333/B 333	SB 335/B 335 B 472	SFA 5.11 (ENiMo-10) A 5.11 (ENiMo-10) DIN 2.4696 (EL-NiMo28Cr)	SFA 5.14 (ERNiMo-10) A 5.14 (ERNiMo-10) DIN 2.4695 (SG-NiMo30Cr)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 564/B 564 SB 462/B 462	17744 No. 2.4600 NiMo29Cr	Werkstoffblatt 517 Kennblatt 7615 Kennblatt 7616 Kennblatt 7617	
HASTELLOY® C-4 alloy N06455 (W86455)	0.312	SB 575/B 575	SB 574/B 574	SFA 5.11 (ENiCrMo-7) A 5.11 (ENiCrMo-7) DIN 2.4612 (EL-NiMo15Cr15Ti)	SFA 5.14 (ERNiCrMo-7) A 5.14 (ERNiCrMo-7) DIN 2.4611 (SG-NiMo16Cr16Ti)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366		17744 No. 2.4610 NiMo16Cr16Ti	Werkstoffblatt 424 Kennblatt 2666 Kennblatt 2667 Kennblatt 2665	NACE MR0175 ISO 15156
HASTELLOY® C-22® alloy N06022 (W86022)	0.314	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-10) A 5.11 (ENiCrMo-10) DIN 2.4638 (EL-NiCr21Mo14W)	SFA 5.14 (ERNiCrMo-10) A 5.14 (ERNiCrMo-10) DIN 2.4635 (SG-NiCr21Mo14W)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 564/B 564 SB 462/B 462	17744 No. 2.4602 NiCr21Mo14W	Werkstoffblatt 479 Kennblatt 4635 Kennblatt 4636 Kennblatt 4534	NACE MR0175 ISO 15156 ASME Code Case No. 2226-2 Case No. N-621-1
HASTELLOY® C-276 alloy N10276 (W10276)	0.321	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-4) A 5.11 (ENiCrMo-4) DIN 2.4887 (EL-NiMo15Cr15W)	SFA 5.14 (ERNiCrMo-4) A 5.14 (ERNiCrMo-4) DIN 2.4886 (SG-NiMo16Cr16W)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 564/B 564 SB 462/B 462	17744 No. 2.4819 NiMo16Cr15W	Werkstoffblatt 400 Kennblatt 320 Kennblatt 319	NACE MR0175 ISO 15156
HASTELLOY® C-2000® alloy N06200 (W86200)	0.307	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-17) A 5.11 (ENiCrMo-17) DIN 2.4699 (EL-NiCr23Mo16Cu)	SFA 5.14 (ERNiCrMo-17) A 5.14 (ERNiCrMo-17) DIN 2.4698 (SG-NiCr23Mo16Cu)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 564/B 564 SB 462/B 462	17744 No. 2.4675 NiCr23Mo16Cu	Werkstoffblatt 539 Kennblatt 9679 Kennblatt 9678 Kennblatt 9677	NACE MR0175 ISO 15156
HASTELLOY® G-30® alloy N06030 (W86030)	0.297	SB 582/B 582	SB 581/B 581 B 472	SFA 5.11 (ENiCrMo-11) A 5.11 (ENiCrMo-11)	SFA 5.14 (ERNiCrMo-11) A 5.14 (ERNiCrMo-11)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 462/B 462	No. 2.4603 NiCr30FeMo		NACE MR0175 ISO 15156
HASTELLOY® N alloy N10003	0.320	AMS 5607 SB 434/B 434	AMS 5771 SB 573/B 573		SFA 5.14 (ERNiCrMo-2) A 5.14 (ERNiMo-2)			SB 366/B 366	AMS 5771			Mil-N24390B
HASTELLOY® G-35® alloy N06035	0.297	SB 575/B 575	SB 574/B 574 B 472		A 5.14 (ERNiCrMo-22)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 564/B 564 SB 462/B 462	No. 2.4643 NiCr33Mo8		NACE MR0175 ISO 15156 ASME Code Case No. 2484
ULTIMET® alloy R31233	0.306	SB 818/B 818	SB 815/B 815							No. 2.4681 CoCr26Ni9Mo5W		NACE MR0175 ISO 15156
HAYNES® Ti-3AL-2.5V alloy R56320	0.162					AMS 4943 AMS 4944 AMS 4945 SB 338/B 338Gr9						

Alloy	ASME											VdTUV (doc #)
	Section I	Section III			Section VIII		Section XII	B16.5	B16.34	B31.1	B31.3	
		Class 1	Class 2	Class 3	Div. 1	Div. 2						
HASTELLOY® B-3® alloy N10675 (W80675)				PSBFWs- 800°F (427°C)	PSBFWs- 800°F (427°C)		PSBFW- 650°F (343°C)	PFF- 800°F (427°C) Blt	PBFs- 800°F (427°C) Blt		PSBWs 800°F (427°C)	PSBF- 752°F (400°C), #517
HASTELLOY® C-4 alloy N06455 (W86455)					PSBWs- 800°F (427°C) Blt- 800°F (427°C)	PSBWs- 800°F (427°C) Blt- 800°F (427°C)	PSBWs- 650°F (343°C) Blt- 800°F (427°C)	P- 800°F (427°C) Blt	PBs- 800°F (427°C)		PSBWs 800°F (427°C)	PSBFs- 752°F (400°C), #424
HASTELLOY® C-22® alloy N06022 (W86022)	PSBFWs- 1250°F (677°C) Code Case 2226 1250°F (677°C)	PSBFWs- 800°F (427°C) Code Case N-621-1	PSBFWs- 1250°F (677°C)	PSBFWs- 1250°F (677°C)	PSBFWs- 1250°F (677°C) Blt- 800°F (427°C)	PSBFWs- 1250°F (677°C) Blt- 800°F (427°C)	PSBWs- 650°F (343°C) Blt- 650°F (343°C)	PFF- 1250°F (677°C) Blt	PBFs- 1250°F (677°C) Blt	PSWs- 800°F (427°C)	PSFWs- 800°F (427°C)	PSBF- 844°F (450°C), #479
HASTELLOY® C-276 alloy N10276 (W10276)	PSBWs- 1000°F (538°C) Code Case 1924 1000°F (538°C)		PSBWs- 800°F (427°C)	PSBWs- 800°F (427°C)	PSBFWs- 1250°F (677°C)	PSBFWs- 1250°F (677°C)	PSBFWs- 650°F (343°C)	PFF- 1250°F (677°C) Blt	PBFs- 1250°F (677°C) Blt	PSWs- 1000°F (538°C)	PSFWs- 1250°F (677°C)	PSBF- 844°F (450°C), #400
HASTELLOY® C-2000® alloy N06200 (W86200)					PSBFWs- 800°F (427°C)			PFF- 800°F (427°C) Blt	PBFs- 800°F (427°C)			PSBF- 844°F (450°C), #539
HASTELLOY® G-30® alloy N06030 (W86030)			PSBFWs- 800°F (427°C)	PSBFWs- 800°F (427°C)	PSBFWs- 800°F (427°C) Blt- 800°F (427°C)	Blt- 800°F (427°C)	PSBWs- 650°F (343°C) Blt- 650°F (343°C)	PFF- 800°F (427°C)	PBFs- 800°F (427°C)			
HASTELLOY® G-35® alloy N06035					PSBFWs 800°F (427°C)			PFF- 800°F (427°C)	PBFs- 800°F (427°C)			
HASTELLOY® N alloy N10003					PSB- 1300°F (704°C)	PSB- 800°F (427°C)	PSB- 650°F (343°C)	P- 1300°F (704°C)	PB- 1300°F (704°C)			
ULTIMET® alloy N31233					PSB- 800°F (427°C)							

Notes: P=plate, S=sheet, B=bar, F=forgings, f=fittings, W=welded pipe/tube, s=seamless pipe/tube, Blt=bolting, Temperatures are maximums unless noted.