

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® 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
HYBRID-BC1® alloy N10362		ASME Code Case No. 2648	ASME Code Case No. 2648		ASME Code Case No. 2653	ASME Code Case No. 2648	ASME Code Case No. 2648	ASME Code Case No. 2648	ASME Code Case No. 2648			
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
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		PSBFWs 800°F (427°C)	PSBF- 752°F (400°C), #517
HASTELLOY® C-4 alloy N06455 (W86455)					PSBFWs- 800°F (427°C) Blt- 800°F (427°C)	PSBW- 800°F (427°C) Blt- 800°F (427°C)	PSBFWs- 650°F (343°C) Blt- 800°F (427°C)	P- 800°F (427°C) Blt	PBs- 800°F (427°C)		PSBW- 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)	PSBFWs- 650°F (343°C) Blt- 650°F (343°C)	PFF- 1250°F (677°C) Blt	PBFs- 1250°F (677°C) Blt	PSW- 800°F (427°C)	PSFWs- 800°F (427°C)	PSBF- 844°F (450°C), #479
HASTELLOY® C-276 alloy N10276 (W10276)	PSBFWs- 1000°F (538°C) Code Case 1924 1000°F (538°C)		PSBW- 800°F (427°C)	PSBW- 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	PSW- 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)	PSBFWs- 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)			
HYBRID-BC1® alloy N10362												
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=forings, f= fittings, W=welded pipe/tube, s=seamless pipe/tube, Blt=bolting, Temperatures are maximums unless noted.