



Industrie Service

Scope of the Approval - Manufacturer of Base Material used in accordance to PED, Annex I, Paragraph 4.3

**Annex to Certificate No.
72/2002/MUC von/dated 2008-10-31*)**

Hersteller/ Manufacturer:		Name: Straße/Street: Ort/City:		Haynes International Inc. 3786 Second Street Arcadia, LA 71001		Werk/ Plant:		Nationalität/ Country:		Datum/ Date:		Blatt-Nr./ Page No.		TÜV-CERT-Zertifizierungsstelle für Druckgeräte Benannte Stelle, Kennnummer / Notified Body, No. - 0036 - Plant Engineering	
						Arcadia		USA		2008-10-31		1 von/of 1			
Ifd. Nr./ No.	Werkstoffbezeichnung/ Material Name Werkstoff-Nr./ Material No.	Werkstoff- Spezifikation Material Specification		Liefer- zustand Delivery Condition*	Prüfgegenstand Erzeugnisform / Production Form Begriff / Name	Abmessungen Dimensions				Gewicht Weight max. 1 = t 2 = kg ↓ Wert value		Bemerkungen Notes			
		Art/Spec.	Nr./No.			Dicke [mm] Thickness	bis/ to	Durchmesser [mm] Diameter	bis/ to	von/ from	bis/ to		8a	8b	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b				
01/1	NiMO16Cr15W Hastelloy Alloy C-276	VdTÜV	400	A	Tubing w.long. weld	various	various	12.7	89	-	-	01/1 to 01/5: Cold worked (e.g. pilgering, drawing, or beadworking) 02/1 to 02/3: As welded and solution annealed For the use of the materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by pressure equipment manufacturer or respectively by the notified body in charge.			
01/2	NiMo16Cr6Ti Hastelloy Alloy C-4	VdTÜV	424	A	Tubing w.long. weld	various	various	12.7	89	-	-				
01/3	NiMo28 Hastelloy Alloy B-2	VdTÜV	436	A	Pipe with long. weld	various	various	12.7	89	-	-				
01/4	NiCr12Mo14W Hastelloy Alloy C-22	VdTÜV	479	A	Tubing w.long. weld	various	various	12.7	89	-	-				
01/5	Hastelloy Alloy B3	VdTÜV	517	A	Tubing w.long. weld	Various	Various	12.7	89	-	-				
02/1	NiMO16Cr15W Hastelloy C-276	VdTUV	400	A	Pipe with long. Weld	Sch 10	-	9.5	51	-	-				
						Sch 40	-	9.5	51	-	-				
						Sch 10	-	63.5	77	-	-				
02/2	NiMo16Cr6Ti Hastelloy Alloy C-4	VdTÜV	424	A	Pipe with long. Weld	Sch 10	-	9.5	51	-	-				
						Sch 40	-	9.5	51	-	-				
						Sch 10	-	63.5	77	-	-				
02/3	NiMo28 Hastelloy Alloy B-2	VdTÜV	436	A	Pipe with long. weld	Sch 10	-	9.5	51	-	-				
						Sch 40	-	9.5	51	-	-				
						Sch 10	-	63.5	77	-	-				

Erläuterungen / Notes: A = Lösungsgeglüht und abgeschreckt/solution annealed and quenched L = Lösungsgeglüht/solution annealed N = Normalgeglüht / normalized S = Spannungsarmgeglüht/stress relieved TM = Thermomech. Behandelt/thermomech. treated U = Ungeglüht/not annealed V = Vergütet /quenched and tempered CR = Temperaturgeregt warmumgeformt/ temperature controlled hot formed (controlled rolled) G = Weichgeglüht /annealed a = Werkstoffbezeichnung in Spalte 11/material designation in column 11 b = Lieferzustand in Spalte 11 / delivery condition in column 11 c = Prüfgegenstand in Spalte 11 / object in column 11 d = Abmessung in den Technischen Regeln / dimensions acc. to technical rules e = Gewicht in den Technischen Regeln /weight acc. to technical rules f = Nr. der Technischen Regeln in Spalte 11/No. of the technical rules in column 11