ZERTIFIKAT ◆ CERTIFICAT ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICATE

Industrie Service

CERTIFICATE

The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH

certifies that

Haynes International Inc.

with sites

1020 W. Park Avenue
Kokomo, Indiana 46904 USA

2000 West Defenbaugh Street
Kokomo, Indiana 46902 USA

has implemented, operates and maintains a

Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2

as a material manufacturer for the scope of

custom melted ingot, billet & bar, plate material of corrosion resistant Ni-base alloys.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. C-721003856-24.

The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment Directive 2014/68/EU. Possible additional requirements - specific to applied technical specifications to meet PED Annex I - are not affected.

This certificate is valid through 2027-08-31.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 109/2002/MUC-02
Munich, November 20th, 2024

Notified Body, Nr. 0036

TÜV SÜD Industrie Service GmbH 00 36 Notified Body

(M. Strobel)

EQ3031881

Conformity Assessment Body for products, processes and services / Konformitätsbewertungsstelle für Produkte, Prozesse und Dienstleistungen

CAB-CBM-04_E_G_Annex 1

Annex 1 of certificate for material manufacturer /
Anlage 1 des Zertifikats als Hersteller von Werkstoffen

Scope of approval - AD 2000-Merkblatt W 0 / Geltungsbereich nach AD 2000-Merkblatt W 0

Manufacturer / *Hersteller:*	Name: Haynes International, Inc. Street / *Straße:* 1020 W. Park Avenue / 2000 West Defenbaugh Street City / *Ort:* Kokomo, IN 46904 / Kokomo, IN 46902	Country / *Land:*	Date / *Datum*	**Annex 1 of certificate no. / *Anlage 1 zum Zertifikat Nr.*** **DGR-0036-QS-W 109/2002/MUC-03** **von / dated 2025-04-04**
		US	rev. 01 2026-10-29	

No. / *lfd. Nr.*	Material designation Material grade / *Werkstoffbezeichnung* *Werkstoff-Nr.*	Material specification / *Werkstoff-spezifikation*		Delivery condition / *Liefer-zustand* /	Product description / *Prüfgegenstand* *Erzeugnisform*	Dimensions / *Abmessungen*				Weight / *Gewicht*		Requirements Technical Rules / *Prüfgrundlagen* *Technische Regeln*		**Report no. / *Bericht Nr.*:** **C-721007822-25** **dated / *vom 2025-03-17*** Remarks / *Bemerkungen*
		Spec. / *Art*	No. / *Nr.*	Code / *Kürzel*		Thickness / *Dicke* [mm] from / von	to / bis	Diameter / *Durchm.* [mm] from / von	to / bis	1=t 2=kg ↓	value / Wert	Spec. / Art /	No. / *Nr.*.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	NiMo16Cr15W (2760 HASTELLOY® C-276® alloy)	TÜVV	400	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	20 4 90 90	- - - -	- - - 90	- - - -	- - - -	AD2000	W2/W10	
02	NiMo16Cr16Ti (2455 HASTELLOY® C-4® alloy)	TÜVV	424	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 4 90 90	- - - -	- - - 90	- - - -	- - - -	AD2000	W2/W10	
03	NiCr21Mo14W (2277 HASTELLOY® C-22® alloy)	TÜVV	479	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab/ Bar	- - - -	51 4 90 90	- - - -	- - - 90	- - - -	- - - -	AD2000	W2/W10	
04	2675 HASTELLOY® B-3® alloy	TÜVV	517	AT AT S AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 4 90 220	- - - -	- - - 220	- - - -	- - - -	AD2000	W2/W10	
05	NiCr23Mo16Cu (2316 HASTELLOY® C-2000®)	TÜVV	539	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 4 90 90	- - - -	- - - 90	- - - -	- - - -	AD2000	W2/W10	
06	NiCr33Mo8 (2.4643)	TÜVV	595	AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 5,0 220 220	- - - -	- - 220 220	- - - -	- - - -	AD2000	W2/W10	

Explanation / *Erklärung:* **AT** = solution annealed / *Lösungsgeglüht* **NT** = normalized and temperd / *Normalgeglüht und angelassen* **N** = normalized / *Normalgeglüht* **S** = stress relieved / *Spannungsarmgeglüht* **TM** = thermo-mech. treated / *Thermomech. behandelt* **U** = not annealed / *ungeglüht*
QT = quenched and tempered / *vergütet* **CR** = temperature controlled hot formed (controlled rolled) / *temperaturgeregelt warmumgeformt* **A** = annealed / *weichgeglüht* **AR** = as rolled / *wie gewalzt*
a = material designation in column 10 / *Werkstoffbezeichnung in Spalte 10* **b** = delivery condition in column 10 or acc. to material specification / *Lieferzustand in Spalte 10 bzw. gem. Werkstoffspezifikation* **c** = object in column 10 / *Prüfgegenstand in Spalte 10*
d = dimensions acc. to technical rules / *Abmessungen in den Techn. Regeln* **e** = weight acc. to technical rules / *Gewicht in den Techn. Regeln* **f** = technical rules reference in column 10 / *techn. Regeln in Spalte 10*

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CAB-CBM-04_E_G_Annex 1

Annex 1 of certificate for material manufacturer /
Anlage 1 des Zertifikats als Hersteller von Werkstoffen

Scope of approval - PED 2014/68/EU, Annex I, Section 4.3 / Geltungsbereich nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3

Manufacturer / *Hersteller:*	Name: Haynes International, Inc. Street / *Straße:* 1020 W. Park Avenue / 2000 West Defenbaugh Street City / *Ort:* Kokomo, IN 46904 / Kokomo, IN 46902	Country / *Land:*	Date / *Datum*	**Annex 1 of certificate no. / *Anlage 1 zum Zertifikat Nr.*** **DGR-0036-QS-W 109/2002/MUC-03** **von / dated 2025-04-04**
		US	rev. 01 2026-10-29	

No. / *lfd. Nr.*	Material designation Material grade / *Werkstoffbezeichnung* *Werkstoff-Nr.*	Material specification / *Werkstoff-spezifikation* Spec. / *Art*	 No. / *Nr.*	Delivery condition / *Liefer-zustand /* Code / *Kürzel*	Product description / *Prüfgegenstand* *Erzeugnisform*	Dimensions / *Abmessungen* Thickness / *Dicke* [mm] from / von	 to / bis	Diameter / *Durchm.* [mm] from / von	 to / bis	Weight / *Gewicht* 1=t 2=kg ↓	 value / Wert	Requirements Technical Rules / *Prüfgrundlagen Technische Regeln* Spec. / Art /	 No. / *Nr.*.	**Report no. / *Bericht Nr.*: C-721007822-25 dated / *vom 2025-03-17*** Remarks / *Bemerkungen*
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	NiMo16Cr15W (2.4819) (2760 HASTELLOY® C-276® alloy) (UNS N 10276)	TÜVV ASTM B ASME SB	400 575, 574 575, 574	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	20 4 90 90	- - - -	- - - 90	- - - -	- - - -			To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
02	NiMo16Cr16Ti (2455 HASTELLOY® C-4® alloy) (UNS 06455)	TÜVV ASTM B ASME SB	424 575, 574 575, 574	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 4 90 90	- - - -	- - - 90	- - - -	- - - -			
03	NiCr21Mo14W (2277 HASTELLOY® C-22® alloy) (UNS N 06022)	TÜVV ASTM B ASME SB	479 575, 574 575, 574	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab/ Bar	- - - -	51 4 90 90	- - - -	- - - 90	- - - -	- - - -			
04	2675 HASTELLOY® B-3® alloy (UNS N 10675)	TÜVV ASTM B ASME SB	517 333, 335 333, 335	AT AT S AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 4 90 220	- - - -	- - - 220	- - - -	- - - -			**For the use of 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 the pressure equipment manufacturer or respectively by the Notified Body in charge.** ***Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten. Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich.***
05	NiCr23Mo16Cu (2316 HASTELLOY® C-2000® alloy) Respectively ASTM grades	TÜVV ASME SB ASME SB ASME SB	539 575 564 574	AT AT U AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 4 90 90	- - - -	- - - 90	- - - -	- - - -			

Explanation / *Erklärung:*
AT = solution annealed / *Lösungsgeglüht* **NT** = normalized and temperd / *Normalgeglüht und angelassen* **N** = normalized / *Normalgeglüht* **S** = stress relieved / *Spannungsarmgeglüht* **TM** = thermo-mech. treated / *Thermomech. behandelt* **U** = not annealed / *ungeglüht*
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a = material designation in column 10 / *Werkstoffbezeichnung in Spalte 10* **b** = delivery condition in column 10 or acc. to material specification / *Lieferzustand in Spalte 10 bzw. gem. Werkstoffspezifikation* **c** = object in column 10 / *Prüfgegenstand in Spalte 10*
d = dimensions acc. to technical rules / *Abmessungen in den Techn. Regeln* **e** = weight acc. to technical rules / *Gewicht in den Techn. Regeln* **f** = technical rules reference in column 10 / *techn. Regeln in Spalte 10*

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Annex 1 of certificate for material manufacturer /
Anlage 1 des Zertifikats als Hersteller von Werkstoffen

Scope of approval - PED 2014/68/EU, Annex I, Section 4.3 / Geltungsbereich nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3

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		US	rev. 01 2026-10-29	

No. / *lfd. Nr.*	Material designation Material grade / *Werkstoffbezeichnung* *Werkstoff-Nr.*	Material specification / *Werkstoff-spezifikation* Spec. / *Art*	 No. / *Nr.*	Delivery condition / *Liefer-zustand /* Code / *Kürzel*	Product description / *Prüfgegenstand* *Erzeugnisform*	Dimensions / *Abmessungen* Thickness / *Dicke* [mm] from / von	 to / bis	Diameter / *Durchm.* [mm] from / von	 to / bis	Weight / *Gewicht* 1=t 2=kg ↓	 value / Wert	Requirements Technical Rules / *Prüfgrundlagen Technische Regeln* Spec. / Art /	 No. / *Nr.*.	**Report no. / *Bericht Nr.*:** **C-721007822-25** **dated / *vom 2025-03-17*** Remarks / *Bemerkungen*
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
06	NiCr22Mo9 Nb (2.4856) (2650 HAYNES® 625 alloy) (UNS N06625)	ASME EAM	SB 443 0526-40	A/AT	Blech / Plate Band / Strip / Coil	- -	20 4	- -	- -	- -	- -			To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.
		ASME EAM	SB 446 0526-40	U A/AT	Schmiedestück / Forging Stab / Bar	- -	90 90	- -	- 90	- -	- -			
07	HASTELLOY® D-205® alloy	-	-	AT	Band / Strip / Coil	-	1,0	-	-	-	-			Per Alfa Laval material standard AL111 6379-63 (latest revision)
08	Alloy -UNS06030 (HASTELLOY® G-30® alloy)	ASME	SB 582	A	Band/Strip/Coil	-	3,0	-	-	-				Per Alfa Laval material standard AL111 6364-63 (latest revision)
09	NiCr33Mo8 (2.4643)	TÜVV	595	AT	Blech / Plate Band / Strip / Coil Schmiedestück / Forging Stab / Bar	- - - -	65 5,0 220 220	- - - -	- - 220 220	- - - -	- - - -			**For the use of 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 the pressure equipment manufacturer or respectively by the Notified Body in charge.** ***Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten.*** ***Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich.***

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