

CERTIFICATE

The TÜV NORD Systems GmbH & Co. KG

certifies that the company

**Böllhoff Produktion GmbH und
Böllhoff Verbindungstechnik GmbH**

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/1081/WP/1340/18

File No.: 8115716050-110 / 1081P003018

Production site: **Archimedesstraße 1-4 D-33649 Bielefeld**

The scope of approval is available in the annex "scope of approval".

The company fulfils the following essential requirements:

Facilities for appropriate manufacturing and testing, appropriate procedures for manufacturing of the products, qualified personnel for manufacturing and testing of the products and a quality management system with appropriate records which ensures proper manufacture of the products as well as compliance with the requirements specified in the material specification.

This certificate is valid until

08/2021

Hannover, 09.08.2018

Annex: Scope of approval

Region: SM
Am TÜV 1,
30519 Hannover

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Dipl.-Ing. Thomas Walther

TÜV NORD Systems GmbH & Co. KG,
Große Bahnstraße 31, 22525 Hamburg, Germany

CERTIFICATE

Quality-Assurance System for material manufacturer
according to directive 2014/68/EU

Certificate no.: 07/202/1081/WZ/1340/18

Name and address
of the manufacturer: **Böllhoff Produktion GmbH und
Böllhoff Verbindungstechnik GmbH
Archimedesstraße 1-4
D-33649 Bielefeld**

Herewith we certify that the manufacturer has established and applies a **quality-assurance system related to the material**. This QA System has been subjected to a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval..

Approved acc. to directive 2014/68/EU: **QA-System in relation to materials,
EN 764-5, section 4.2 and AD2000-Merkblatt W0**

Certification file no.: **8115716050-110**

Audit report file no.: **1081P003018**

Scope of approval:
(product / material) **fasteners Helicoil® - thread wire inserts**

Production site: **Archimedesstraße 1-4
D-33649 Bielefeld**

The certificate is valid until: **08 / 2021**

Only valid with a certificate in force acc. to EN ISO 9001

Hannover, 09.08.2018



Notified Body (0045)
for Pressure Equipment


Dipl.-Ing. Thomas Walther

TÜV NORD Systems GmbH & Co. KG,
Große Bahnstraße 31, D-22525 Hamburg

Annex: scope of approval

Region: SM
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Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

TÜV NORD Systems GmbH & Co. KG

Notifizierte Stelle für Druckgeräte der TÜV NORD Systems GmbH & Co. KG (Reg.-Nr. 0045)
 Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045



Geltungsbereich der Überprüfung von Werkstoffherstellern gemäss Druckgeräterichtlinie 97/23/EG, Anhang I, Abs. 4.3 und AD 2000-Merkblatt W
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 97/23/EC, annex I sec. 4.3 and AD 2000-Guideline W 0

Anlage zum Zertifikat / Annex to Certificate

Datum / Date : 19.07.2018 / Merget

Firma/firm: Böllhoff Produktion / Verbindungstechnik GmbH
 Ort / place: D-33649 Bielefeld,; Archimedesstraße 1-4

DGRL-Nr.: 07-202 1081 WZ- 134018
 AD 2000-W0-Nr.: 07-203 1081 WP-1340 18

Aktenz. / File: 1081 P 0030 18
 SAP: 8115716050-110



Ifd.Nr No.	Werkstoffbezeichnung Material Designation	Spezifikation Specification	Lieferzust. Delivery Condition	Erzeugnisform Type of Product	Abmessung / Dimension		Prüfgrundlagen Anforderungen Requirements	Bemerkungen / Remarks Doc.: STW-ZE-AD2000 W0_PED_Geltungsbereich-FB-320_ DE-EN (2015-06)
					Dicke [mm] Thickness	Ø[mm] [kg/t]		
1	2	3	4	5	6	7	8	9
1.1.	1.4301 Helicol® Drahtgewindeeinsatz / Thread wire inserts	DIN 8140 BN 0110.001 T.1 DIN EN 10088.1	AT	Verbindungselemente/ fasternes	≥ Ø 4mm	≤ Ø 170mm	Richtlinie 97/23/EG Directive 97/23/EC EN 13445-2 EN 13480-2	Zertifiziert gemäß Druckgeräterichtlinie Anhang I , Abs. 4.3 durch die Notifizierte Stelle der TÜV NORD Systems (Reg.-Nr. 0045) Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
1.2	1.4571 Helicol® Drahtgewindeeinsatz / Thread wire inserts	DIN 8140 BN 0110.001 T.5 DIN EN 10088.1	AT	Verbindungselemente/ fasternes	≥ Ø 4mm	≤ Ø 170mm		
1.3	Inconel X750 (2.4669) Helicol® Drahtgewindeeinsatz / Thread wire inserts	BN 0110.001 T.6 DIN EN 10269	AT	Verbindungselemente/ fasternes	≥ Ø 4mm	≤ Ø 170mm		
1.4	CuSn6 Helicol® Drahtgewindeeinsatz / Thread wire inserts	BN 0110.001 T.2	AT	Verbindungselemente/ fasternes	≥ Ø 4mm	≤ Ø 170mm	Einzelgutachten / PMA particular material appraisal	

Erläuterungen / Explanation: +AT / AT = Lösungsgeglüht und abgeschreckt / solution heat treated and deterrred; N = Normalgeglüht und normalisierend gewalzt oder umgeformt / normalized or normalizing rolled / formed;

NT = Normalgeglüht und angelassen / normalized and annealed; +QT / V = vergütet / quenched and tempered; M = Thermo-mechanisch behandelt / thermo mechanical treated

AR = Unbehandelt, wie gewalzt, / not treated; SR = Spannungsarmgeglüht / stress relieved; A = weichgeglüht / soft annealed; CR = Temperaturregelt umgeformt / controlled hot rolled

Hinweis zu Werkstoff gem. Richtlinie 97/23/EG / Hints for materials use acc. to Directive 97/23/EC :

Für die spezifischen Einsatzbedingungen ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen benannten Stelle erforderlich.

The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge