

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

KME Special Products GmbH

Klosterstraße 29, D-49074 Osnabrück

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/1084/WP/1280/20

File No.: 07/203/1084/P/00563/20/W0/001

Production site: **Klosterstraße 29, D-49074 Osnabrück**

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/ 2023

Hannover, 19.10.2020

Annex: scope of approval

ISIMO
Rheinische Straße 15
D-49084 Osnabrück



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

CERTIFICATE

**Quality-Assurance System for material manufacturer
according to Pressure Equipment Directive 2014/68/EU**

Certificate no.: 07/202/1084/WZ/1280/20

**Name and address
of the manufacturer:** **KME Special Products GmbH
Klosterstraße 29
D-49074 Osnabrück**

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 AD2000-Merkblatt W0
Certification file no.:	8118523190
Audit report file no.:	07/203/1084/P/00563/20/W0/001
Scope of approval: (product / material)	Products of copper, copper alloys and nickel alloys
Production site:	Klosterstraße 29 D-49074 Osnabrück
The certificate is valid until:	08/ 2023

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

Attachment:
Scope of approval



Notified Body 0045 for pressure equipment

Contact:
E-mail IMOsnabrueck@tuev-nord.de
Phone +49-(0) 541 / 5823-0

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

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

To verify the validity of the digital signature of the TÜV NORD Systems employee, the installation of the TÜV NORD GROUP root certificate is required: <https://www.tuev-nord.de/en/customer-login/digital-signature/>

Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3.

Zertifikat-Nr. / Certificate No.: 07/202/1084/WZ/1280/20

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Zertifikat-Nr. / Certificate No.: 07/203/1084/WP/1280/20

Firma / Company:	Ort / Location:	AZ / File No.:	SAP-Nr.:	Datum / Date: 05.10.2020
KME Special Products GmbH	Klosterstr. 29, D-49074 Osnabrück	07/203/1084/P/00563/ 20/W0/001	8118523190	

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
1 Werkstoffe nach AD 2000 / Materials according to AD 2000								
	CuNi10Fe1Mn (*)	DIN EN 1652 DIN EN 1653 DIN EN 1653 DIN EN 1653	R300, R320 R300 R320 R350	Bänder, Bleche, Platten Bänder, Bleche Bänder, Bleche, Platten Platten	0,30-15,0 2,5-10,0 2,5-60,0 10,0-40,0		AD2000 W6/2	(*) : AD2000 (1) : PMA by pressure equipment manufacturer (cat. I/II), by NoBo (cat. III/IV) required for the material without harmonized standards
	CuNi30Mn1Fe (*)	DIN EN 1652 DIN EN 1653	R350, R410 R410	Bänder, Bleche, Platten Platten	0,30-15,0 10,0-40,0		AD2000 W6/2	
	Cu-DHP (*)	DIN EN 12449	R200	nahtlose Rohre	> 3		AD2000 W6/2	
		DIN EN 12449	R220	nahtlose Rohre	≤ 3		AD2000 W6/2	
		DIN EN 12449	R250	nahtlose Rohre	≤ 5		AD2000 W6/2	
		DIN EN 12451	R250	nahtlose Rohre	≤ 5		AD2000 W6/2	
	CuNi10Fe1Mn (*)	DIN EN 12449	R290	nahtlose Rohre	≤ 5		AD2000 W6/2	
		DIN EN 12451	R290	nahtlose Rohre	≤ 5		AD2000 W6/2	
	CuNi30Mn1Fe (*)	DIN EN 12449	R370	nahtlose Rohre	≤ 5		AD2000 W6/2	
		DIN EN 12451	R370	nahtlose Rohre	≤ 5		AD2000 W6/2	

Erläuterung / Explanation:

* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AK = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 15)

Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3.

Zertifikat-Nr. / Certificate No.: 07/202/1084/WZ/1280/20

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Zertifikat-Nr. / Certificate No.: 07/203/1084/WP/1280/20

Firma / Company:	Ort / Location:	AZ / File No.:	SAP-Nr.:	Datum / Date: 05.10.2020
KME Special Products GmbH	Klosterstr. 29, D-49074 Osnabrück	07/203/1084/P/00563/ 20/W0/001	8118523190	

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
2 Werkstoffe nach anderen Standards, Technische Regeln / Materials according to other standards, technical rules								
	7060x (1)	EEMUA Pub.234.1 Ed	Annealed	seamless tube		16-457	EEMUA Pub.234.1 Ed.1	(*) : AD2000 (1): PMA by pressure equipment manufacturer (cat. I/II), by NoBo (cat. III/IV) required for the material without harmonized standards
	7060x (1)	EEMUA Pub.234.2 Ed	as welded	welded tube		419-914	EEMUA Pub.234.2 Ed.1	
	7060x (1)	EEMUA Pub.234.3-6 Ed	Hot forged	flanges		d	EEMUA Pub.234.3-6 Ed.1	
	7060x (1)	EEMUA Pub.234.7-14 Ed	d	fittings		d	EEMUA Pub.234.7-14 Ed.1	
	CW352H (1)	EN 12449	R290	seamless tube		> 76	EN 12449	
	CW354H (1)	EN 12449	R370	seamless tube		> 76	EN 12449	
	CW352H (1)	EN 1092-3	H70	flanges		d	EN 1092-3	
	CW354H (1)	EN 1092-3	H80	flanges		d	EN 1092-3	
	C70600 (1)	ASTM B466	O60	seamless tube		16-457	ASTM B466	
	C70620 (1)	ASTM B466	O60	seamless tube		16-457	ASTM B466	
	C71500 (1)	ASTM B466	O60	seamless tube		16-457	ASTM B466	
	C71520 (1)	ASTM B466	O60	seamless tube		16-457	ASTM B466	
	C70600 (1)	ASTM B467	WM50	welded tube		419-914	ASTM B467	
	C70620 (1)	ASTM B467	WM50	welded tube		419-914	ASTM B467	
	C71500 (1)	ASTM B467	WM50	welded tube		419-914	ASTM B467	
	C71520 (1)	ASTM B467	WM50	welded tube		419-914	ASTM B467	
	C70600 (1)	ASTM B466+B467	O60/WM50	fittings		16-914	ASME B16.9	
	C70620 (1)	ASTM B466+B467	O60/WM50	fittings		16-914	ASME B16.9	
	C71500 (1)	ASTM B466+B467	O60/WM50	fittings		16-914	ASME B16.9	
	C71520 (1)	ASTM B466+B467	O60/WM50	fittings		16-914	ASME B16.9	

Geltungsbereich als Anlage zum Zertifikat / Scope of Approval as annex to Certificate

Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / Directive 2014/68/EU, Ann. I, Point 4.3.

Zertifikat-Nr. / Certificate No.: 07/202/1084/WZ/1280/20

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Zertifikat-Nr. / Certificate No.: 07/203/1084/WP/1280/20

Firma / Company:	Ort / Location:	AZ / File No.:	SAP-Nr.:	Datum / Date: 05.10.2020
KME Special Products GmbH	Klosterstr. 29, D-49074 Osnabrück	07/203/1084/P/00563/ 20/W0/001	8118523190	

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
3 Werkstoffe nach anderen Standards, Technische Regeln / Materials according to other standards, technical rules								
	C70600 (1) C70620 (1) C71500 (1) C71520 (1)	ASTM B151 ASTM B151 ASTM B151 ASTM B151	O60 O60 O60 O60	flanges flanges flanges flanges		d d d d	ASME B16.5/ B16.47 ASME B16.5/ B16.47 ASME B16.5/ B16.47 ASME B16.5/ B16.47	(*) AD2000 (1): PMA by pressure equipment manufacturer (cat. I/II), by NoBo (cat. III/IV) required for the material without harmonized standards
	CuNi10Fe1,6Mn (1) CuNi10Fe1,6Mn (1) CuNi10Fe1,6Mn (1)	WL 2.1972 WL 2.1972 WL 2.1972	weich R300/R320 R280	tubes fittings flanges		16-914 16-914 d	DIN 86018+86019 DIN 86088,86089,86090 DIN 86037-2	
	NiCu30Fe	WL 2.4360	weich	Stangen		50-150	Vd TÜV WB 263	PMA by NoBo

Erläuterung / Explanation:

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