

# CERTIFICATE

## Quality management system for material manufacturer in accordance with the requirements of Pressure Equipment Directive 2014/68/EU

Certificate No.: **0045/202/1403/WZ/1360/22**

Name and address  
of manufacturer: **thyssenkrupp rothe erde Germany GmbH  
Tremoniastraße 5-11  
44137 Dortmund**

This is to certify that the manufacturer has implemented and applies a **quality management system in relation to materials**. This QM system has been subject to specific verification in accordance with the requirements of Directive 2014/68/EU, Annex I, point 4.3 in relation to the materials. The manufacturer is entitled to issue certificates of specific tests on materials in accordance with the Pressure Equipment Directive and the underlying technical specifications.

Test specification: **EN 764-5, section 4.2 and AD 2000 W0**

Audit report No.: **8120785365**

Range of products: **Manufacture of rings (rolled)**

Place of manufacture: **Tremoniastraße 5-11  
44137 Dortmund**

This certificate is valid until: **18.09.2025**

Notified Body 0045 for pressure equipment



Attachment:  
Scope of approval

Contact:  
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Phone +49 2331 803 0

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

# CERTIFICATE

Certificate No.: 07/203/1403/WP/1360/22

TÜV NORD Systems GmbH & Co. KG certifies that the manufacturer

**thyssenkrupp rothe erde Germany GmbH**  
**Tremoniastraße 5-11**  
**44137 Dortmund**  
**Germany**

has been verified and recognized as

**material manufacturer acc. to AD 2000-Merkblatt W 0**

in accordance with the requirements of the certification scheme TNS-AD2000-W0.

Details can be found in the report and the scope of approval.

The manufacturer has the following prerequisites:

- equipment for proper manufacturing and testing,
- suitable procedures for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products, and
- a quality management system with appropriate records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Manufacturing site: Tremoniastraße 5-11, 44137 Dortmund

Validity: 19.09.2022 until 18.09.2025  
Date of issue: 22.09.2022  
Audit report No.: 8120785365  
Annex: Scope

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## 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.: 07/203/1403/WP/1360/22

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

Zertifikat-Nr. / Certificate No.: 0045/202/1403/WZ/1360/22

<b>Firma / Company:</b>	<b>Ort / Location:</b>	<b>AZ / File No.:</b>	<b>SAP-Nr.:</b>	<b>Datum / Date:</b>
thyssenkrupp rothe erde Germany GmbH	Tremoniastraße 5-11 44137 Dortmund	--	8120785365	19.09.2022

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 harmonisierten Normen (2014/68/EU) / Materials according to harmonized standards (2014/68/EU)								
1	16Mo3	EN10222-2	+QT	Ring / Flansch	400/300x55 bis		DGRL 2014/EU/68 EN 13445	
2	P250GH	EN10222-2	+NT	Ring / Flansch	800/6600x700		DGRL 2014/EU/68 EN 13445	
3	P355QH1	EN10222-4	+QT	Ring / Flansch			DGRL 2014/EU/68 EN 13445	

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, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)

## 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.: 07/203/1403/WP/1360/22

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

Zertifikat-Nr. / Certificate No.: 0045/202/1403/WZ/1360/22

<b>Firma / Company:</b>	<b>Ort / Location:</b>	<b>AZ / File No.:</b>	<b>SAP-Nr.:</b>	<b>Datum / Date:</b>
thyssenkrupp rothe erde Germany GmbH	Tremoniastraße 5-11 44137 Dortmund	--	8120785365	19.09.2022

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					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
2 Werkstoffe nach AD 2000 / Materials according to AD 2000								
1	S355J2G3	EN10250-2	+NT	Ring / Flansch	400/300x55 bis		AD2000 W9	
2	S235JRG2	EN10250-2	+NT	Ring / Flansch	800/6600x700		AD2000 W9	
3	16Mo3	EN10222-2	+QT	Ring / Flansch			AD2000 W9	
4	P250GH	EN10222-2	+NT	Ring / Flansch			AD2000 W9	

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