

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

EUROCAST Košice, s.r.o.
Vstupný areál U.S.Steel
SK - 044 54 Košice

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/9150/WP/0175/20

File No.: 20B03/049

Production site: **Vstupný areál U.S.Steel**
SK-044 54 Košice

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

December 2023

Prague, 2020-12-15

Annex: Scope of approval

Region : 9190 Prague
Českomoravská 2420/15
190 00 Praha 9

Phone: +420 296 587 239.
Fax: +420 296 587 240
E-Mail: srnec@tuev-nord.cz



Srnec

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.: 07/202/9150/WZ/0175/20

Name and address
of the manufacturer: EUROCAST Košice, s.r.o.
Vstupný areál U.S.Steel
SK- 044 54 Košice

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**

Certification file no.:

Audit report file no.: 20B03/049

Scope of approval:
(product / material) Gray and nodular iron castings

Production site: Vstupný areál U.S.Steel
SK- 044 54 Košice

The certificate is valid until: December 2023

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

Prague, 15.12.2020



Notified Body (0045)
for Pressure Equipment



Dipl.-Ing. Mojmír Srnec

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

Annex: Scope of Approval

Contact: Českomoravská 2420/15, CZ- 190 90 Praha 9
E-mail: srnec@tuev-nord.cz
Phone: +420 296 587 239

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

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

Zertifikat-Nr. / Certificate No.: 07/202/9150/WZ/0175/20

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

Zertifikat-Nr. / Certificate No.: 07/203/9150/WP/0175/20

Firma / Company:		Ort / Location:			AZ / File No.:		SAP-Nr.:	Datum / Date:
EUROCAST Košice, s.r.o.		SK - 044 54 Košice			20B03/049			13.12.2020/ Jakubis
Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Hauptabmessungen main dimensions [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)								
1.1	Grauguß Grey Cast Iron EN-GJL-200 EN-GJL-250 EN-GJL-300	EN 1561	U SR N, NT	Gußteile Castings	3500x3500x2000	≤ 12000 kg	Richtlinie 2014/68/EU Directive 2014/68/EU	Zertifiziert gemäß Druckgeräterichtlinie Anhang I , Nr. 4.3 durch die Notifizierte Stelle der TÜV NORD Systems (Reg.-Nr. 0045) Certified acc. to PED annex I, pt. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
1.2	Sphäroguß Nodular Cast Iron EN-GJS-400-15 EN-GJS-400-18-RT EN-GJS-400-18-LT EN-GJS-500-7 EN-GJS-600-3 EN-GJS-700-2	EN 1563	U SR N, NT	Gußteile Castings	3500x3500x2000	≤ 12000 kg		

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

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

Zertifikat-Nr. / Certificate No.: 07/202/9150/WZ/0175/20

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

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Firma / Company:		Ort / Location:			AZ / File No.:		SAP-Nr.:	Datum / Date:
EUROCAST Košice, s.r.o.		SK - 044 54 Košice			20B03/049			13.12.2020/ Jakubis
Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Hauptabmessungen main dimensions [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								
2.1	Grauguß Grey Cast Iron EN-GJL-200 EN-GJL-250 EN-GJL-300	EN 1561	U SR N, NT	Gußteile Castings	3500x3500x2000	≤ 12000 kg	AD2000-W3/1 ^{1), 2)} AD2000-W3/1 ³⁾	1) Nachweis der Güteeigenschaften bei maßgebenden Wanddicken ≤ 50 mm durch Abnahmenprüfzeugnis 3.1 nach DIN EN 10204 zu erbringen. Proof of the quality characteristics shall be provided for wall thicknesses ≤ 50 mm in the form of inspection certificate 3.1 as specified in EN 10204.
2.2	Sphäroguß Nodular Cast Iron EN-GJS-400-15 EN-GJS-400-18-LT EN-GJS-500-7 EN-GJS-600-3 EN-GJS-700-2	EN 1563	U SR N, NT	Gußteile Castings	3500x3500x2000	≤ 12000 kg	AD2000-W3/2 ²⁾	2) Nachweis der Güteeigenschaften bei maßgebenden Wanddicken > 50 mm durch Abnahmenprüfzeugnis 3.2 nach DIN EN 10204 zu erbringen. Proof of the quality characteristics shall be provided for wall thicknesses > 50 mm in the form of inspection certificate 3.2 as specified in EN 10204. 3) Die Güteeigenschaften sind durch ein Abnahmenprüfzeugnis 3.2 nach EN 10204 nachzuweisen. Quality shall be certified by means of an inspection certificate 3.2 in accordance with DIN EN 10204.

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)