

Zertifikat

Qualitätsmanagement-System für Werkstoffhersteller nach Richtlinie 2014/68/EU

Zertifikatsnummer: 01 202 926/Q-02 0040.00

Name und Anschrift des
Zertifikatsinhaber: **Böllinghaus Steel Lda.
Travessa da Indústria 6
2430-668 Vieira de Leiria
Portugal**

Hiermit wird bescheinigt, dass der Hersteller ein QM-System eingeführt hat und anwendet. Dieses wurde gemäß der Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 in Bezug auf die im Geltungsbereich genannten Werkstoffe einer spezifischen Überprüfung unterzogen.

Prüfgrundlage: **QM-System nach EN 764-5, Abschnitt 4.2 und
AD 2000-Merkblatt W0**

Prüfbericht Nr.: 01 202 926/Q-02 0040

Geltungsbereich: **Nichtrostende Stäbe für Druckbehälter, siehe Anlage zum
Zertifikat: 01 202 926/Q-02 0040, Revision 13 vom 30.06.2023**

Fertigungsstätte: siehe Zertifikatsinhaber

Gültigkeit: **Dieses Zertifikat ist gültig bis 31.07.2026.**

Köln, 15.07.2023

Dipl.-Ing. (FH) Vera Ruff



TÜV Rheinland Industrie Service GmbH
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035
Am Grauen Stein, D-51105 Köln

E-108a

| Scope according to | | <input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3 | | <input type="checkbox"/> EN 764-4 | | <input checked="" type="checkbox"/> AD 2000-Merkblatt W0 | | <input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+) | | | | | | | |
|---|---|---|-------------------|--|------------------|---|---------|--|-------------------|--|---|--------------|--|--|--|
| Manufacturer | | | | Work | | | | Nationality | | Date | | Page No. | | | |
| Company Name: Böllinghaus Steel Lda. Location: Travessa da Industrial, 6 2430-668 Vieira de Leiria Portugal | | | | Böllinghaus Steel Lda. Travessa da Industrial, 6 2430-668 Vieira de Leiria Portugal | | | | P | | 30.06. 2023 Rev.: 13 | | 1 of : 3 | | TÜV Rheinland Industrie Service GmbH | |
| Cur | Materials-term Materials-No. | Material Specification | Delivery Cond. | Article Type of Product | Dimensions | | | | Weight max | | Technical Specifications Requirements Technical Regulations | Remarks | | | |
| | | | | | Thick-ness mm | | Ø mm | | 1=t/ 2=kg ↓ | res ult | | | | | |
| | | | | | from | Up to | from | Up to | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7a | 7b | 8a | 8b | 9 | 10 | | | |
| 1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU | | | | | | | | | | | | | | | |
| The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4. | | | | | | | | | | | | | | | |
| 1 | 1.4301, 1.4307, 1.4401, 1.4404, 1.4541, 1.4571 | EN 10272 | AT | austenitic stainless steel bar | 3 | 160 | - | - | - | - | EN 10272 | Pre-material | | | |
| 2 | 1.4057 | EN 10272 | S | martensitic stainless steel bar | 3 | 160 | - | - | - | - | EN 10272 | | | | |
| 3 | 1.4462 | EN 10272 | S | Austenitic- ferritic stainless steel bar (duplex) | 3 | 160 | - | - | - | - | EN 10272 | | | | |
| 4 | 1.4301, 1.4307, 1.4401, 1.4404 | EN 10272 | AT/ C700 | austenitic stainless steel bar | 3 | 160 | - | - | - | - | EN 10269 | | | | |
| Remarks | | +AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed | | | | +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved | | | | a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary | | | | | |

| Scope according to | | <input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3 | | | <input type="checkbox"/> EN 764-4 | | | | <input checked="" type="checkbox"/> AD 2000-Merkblatt W0 | | <input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+) | | | | | |
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| | | | | | Thick-ness mm | | Ø mm | | 1=t / 2=kg ↓ | res ult | | | | | | |
| | | | | | from | Up to | from | Up to | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7a | 7b | 8a | 8b | 9 | 10 | | | | |
| 2. Materials according to the AD 2000-Code | | | | | | | | | | | | | | | | |
| The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4. | | | | | | | | | | | | | | | | |
| 1 | 1.4301, 1.4307, 1.4401, 1.4404, 1.4541, 1.4571 | EN 10272 | AT | austenitic stainless steel bar | 3 | 160 | - | - | - | - | AD 2000 W2 AD 2000 W10 | | | | | |
| 2 | 1.4301, 1.4307, 1.4401, 1.4404 | EN 10272 EN 10269 | AT/ C700 | austenitic stainless steel bar | 3 | 160 | - | - | - | - | AD 2000 W7/2 AD 2000 W10 | | | | | |
| Remarks | | +AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed | | | +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved | | | a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary | | | | | | | | |

| Scope according to | | <input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3 | | | <input type="checkbox"/> EN 764-4 | | | | <input checked="" type="checkbox"/> AD 2000-Merkblatt W0 | | <input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+) | | | |
|---|---|---|-------------------|--------------------------------------|---|----------|---------|--|--|-----------------------------|--|-------------|--|--|
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| Cur | Materials-term Materials-No. | Material Specification | Delivery Cond. | Article Type of Product | Dimensions | | | | Weight max 1=t / 2=kg ↓ res ult | Technical Specifications | | Remarks | | |
| | | | | | Thick-ness mm | | Ø mm | | | Requirements | Technical Regulations | | | |
| | | | | | from | Up to | from | Up to | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7a | 7b | 8a | 8b | 9 | 10 | | |
| 3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.) | | | | | | | | | | | | | | |
| The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4. | | | | | | | | | | | | | | |
| 1 | AISI 304 / UNS S30400, AISI 304L / UNS S30403, AISI 316/ UNS 31600, AISI 316L / UNS S31603, AISI 316Ti / UNS S31635 | A479/A479M – 17 Table 1 SA-479/SA-479M Table 1 | AT | austenitic stainless steel bar | 3 | 160 | - | - | - | - | A479/A479M – 17 Table 2 SA-479/SA-479M Table 2 | a | | |
| 2 | UNS S31803, UNS 32205 | A479/A479M – 17 Table 1 SA-479/SA-479M Table 1 | A | austenitic stainless steel bar | 3 | 160 | - | - | - | - | A479/A479M – 17 Table 2 SA-479/SA-479M Table 2 | a | | |
| Results | | +AT = solution annealed +A = annealed +M = thermo mechanical treated +N = normalized or normalizing formed | | | +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved | | | a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary | | | | | | |