

CERTIFICATE

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

Certificate No.: **0045/202/1326/WZ/2177/23**

Name and address
of manufacturer: **Nordic Flanges AB
Kavelvägen 17
SE-894 35 Själevad, Sweden**

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.: **8121205349**

Range of products: **Flanges from austenitic and austenitic-ferritic steels**

Place of manufacture: **Nordic Flanges AB
Kavelvägen 17
SE-894 35 Själevad, Sweden**

This certificate is valid until: **March 2026**

Attachment:
Scope of approval

Contact:
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Phone +46705850195



Notified Body 0045 for pressure equipment

TUVNORD

Digitally signed by
Liebscher Anne-Kristin
Date: 2023.02.22
10:27:28 +01'00'

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

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Point 4.3.

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

Zertifikat-Nr. / Certificate No.: 0045/202/1326/WZ/2177/30

Zertifikat-Nr. / Certificate No.: 07/203/1326/WP/2177/30

Firma / Company: Nordic Flanges AB

Datum / Date: 2023-02-22

Ort / Location: SE-894 35 Sjölevad, Sweden

AZ / File No.:

SAP-No.: 8121205349

| 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 [kg] | | |
| 1.1 | austenitic and austenitic-ferritic stainless steels 1.4301, 1.4307, 1.4401, 1.4404, 1.4435, 1.4436, 1.4541, 1.4571, 1.4303, 1.4306, 1.4438, 1.4432, 1.4539, 1.4547 1.4462, 1.4410, 1.4501 | EN 10222-5 | +AT | Flanges 1) | 5-500 | 150 | Richtlinie 2014/68/EU Directive 2014/68/EU EN 13445-2 EN 13480-2 | Certified acc. to PED annex I, pt. 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045). |
| 2.1 | austenitic and austenitic-ferritic stainless steels ferritic stainless steels 1.4301, 1.4307, 1.4401, 1.4404, 1.4435, 1.4436, 1.4541, 1.4571, 1.4303, 1.4306, 1.4432 | EN 10222-5 | +AT | Flanges 1), 2) | 5-500 | 150 | AD2000 W2/W9/W10 | 1) 3.1. certificate 2) The manufacturer of pre-material must be approved acc. to AD2000 W0 |
| 2.2 | 1.4539 | EN 10222-5 | +AT | Flanges 1), 2), 4) | 4) | 150 | AD2000 W2/W9/W10 | 3) 3.2. certificate is requested with testing (chemistry + mechanical properties) acc. to VdTÜV WBI. 421 / 418 / 473 |
| 2.3 | 1.4462 | EN 10222-5 | +AT | Flanges 2), 3), 4) | 4) | 150 | AD2000 W2/W9/W10 | 4) acc. to VdTÜV WBI. 421 / 418 / 473 |

* +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)

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Point 4.3.

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

Zertifikat-Nr. / Certificate No.: 0045/202/1326/WZ/2177/30

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Firma / Company: Nordic Flanges AB

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|---------|--|--------------------------------|-----------------------------------|-------------------------------|----------------------------|-----------------------------------|---------------------------------------|------------------------|
| | | | | | Dicke Thickness [mm] | Ø / Gewicht Ø / Weight [kg] | | |
| 2.4 | 1.4547 | EN 10222-5 | +AT | Flanges 2), 3), 4) | 4) | 150 | AD2000 W2/W9/W10 | |

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