

CERTIFICATE

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

Certificate No.: **0045/202/1409/WZ/1050/23**

Name and address
of manufacturer: **Viraj Profiles Pvt. Ltd. (Fastener Division)**
Survey No. 110, 111, 114/1 C-D 116, 119, 120,
Village Mahagaon, Tal. Palghar, Dist. Palghar - 401 506
Maharashtra, India

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**

Audit report No.: **812 167 1431**

Range of products: **Manufacture of fasteners (forged)**

Place of manufacture: **Survey No. 110, 111, 114/1 C-D 116, 119, 120,**
Village Mahagaon, Tal. Palghar, Dist. Palghar - 401 506
Maharashtra, India

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

Attachment:

Contact:
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Phone +49 201 8252722



Notified Body 0045 for pressure equipment

TUVNORD Digital unterschrieben
von Niekamp Dirk

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

CERTIFICATE

Certificate No.: 07/203/1409/WP/1050/23

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

Viraj Profiles Pvt. Ltd. (Fastener Division)
Survey No 110, 111, 114/1 C-D 116, 119, 120
Village Mahagaon, Tal. Palghar, Dist. Palghar - 401 506
Maharashtra, India

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: Survey No 110, 111, 114/1 C-D 116, 119,
120, Village Mahagaon, Tal. Palghar, Dist,
Palghar - 401 506, Maharashtra, India

Validity: February 2023 until February 2026
Date of issue 22.02.2023
Audit report No.: 812 167 1431
Annex: Scope

TÜVNORD Digital unterschrieben
von Niekamp Dirk

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45307 Essen E-Mail: dniekamp@tuev-nord.de

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.: 0045/202/1409/WZ/1050/23

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

Zertifikat-Nr. / Certificate No.: 07/203/1409/WP/1050/23

Firma / Company:	Ort / Location:	AZ / File No.:	SAP-Nr.:	Datum / Date:
Viraj Profiles pvt ltd(Fastener Division) Vill: Mahagaon,Boisar(E),Dist Palghar, MS , India	Vill: Mahagaon,Boisar, Dist. Palghar, Maharashtra, India	ISIPW-371/23	812 167 1431	22.02.2023

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)								
1,1	A2-70	ISO 3506-1	+U	Hex Screw	M6 - M24		AD 2000 Merkblatt W7/2	Applicable dimensional standard
1,2	A4-50	ISO 3506-1	+U	HexBolt	M6 - M24			DIN 933/ ISO 4017
1,3	A4-70	ISO 3506-1	+U	CSK Screw/Bolt	M6 - M24			DIN 931 / ISO 4014/JISB 1180
		ISO 3506-1	+U	Screw/Bolt	M6 - M24			DIN 7991 / ISO10642
		ISO 3506-1	+U	Button Head Screw	M6 - M16			DIN 912 / ISO4762
		ISO 3506-1	+U	Carriage Screw / Bolt	M6 - M20			ISO 7380
		ISO 3506-1	+U	Slotted CSK Head screw	M6 - M20			DIN 603
		ISO 3506-1	+U	Slotted Raised CSK Head screw	M6 - M16			DIN 963
		ISO 3506-1	+U	Oval Head screw	M6 - M16			DIN 964
		ISO 3506-1	+U	Flat Head screw	M6 - M16			DIN 966
		ISO 3506-1	+U	Slotted Cheese Head screw	M6 - M10			DIN 965
		ISO 3506-1	+U	Slotted pan head screw	M6 - M16			DIN 84
								DIN 85
								Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045). Max. 0.8 % Cu

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.: **0045/202/1409/WZ/1050/23**

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

Zertifikat-Nr. / Certificate No.: **07/203/1409/WP/1050/23**

Firma / Company:	Ort / Location:	AZ / File No.:	SAP-Nr.:	Datum / Date:
Viraj Profiles pvt ltd(Fastener Division) Vill: Mahagaon,Boisar(E),Dist Palghar, MS , India	Vill: Mahagaon,Boisar, Dist. Palghar, Maharashtra, India	ISIPW-371/23	812 167 1431	22.02.2023

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 AD 2000 / Materials according to AD 2000								Applicable dimensional standard
1.4	A2-50	ISO 3506-2	+U	Hex Nut	M6 - M27		AD 2000 Merkblatt W7/2	DIN 934 / ISO 4032
1.5	A2-70	ISO 3506-2	+U	Thin Nut	M6 - M27			DIN 439
1.6	A4-50	ISO 3506-2	+U	Square Nut	M6 - M16			DIN 557
1.7	A4-70	ISO 3506-2	+U	Square Thin Nut	M6 - M16			DIN 562
		ISO 3506-2	+U	Flange Nut	M6 - M20			DIN 6923
		ISO 3506-2	+U	Square Weld Nut	M6 - M16			DIN 928
		ISO 3506-2	+U	Weld Nut	M6 - M16			DIN 929
								Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
2,1	304	ASTM F 593	CW1/CW2	Hex Screw / Bolt	1/4"- 1"			ANSI B 18.2.1
2.2	316	ASTM F 593	CW1/CW2	Carriage Screw / Bolt	1/4"- 1"			ANSI B 18.5
		ASTM F 593	CW	Hex Socket Screw / Bolt	1/4"- 1"			ANSI B 18.3
		ASTM F 593	CW	CSK Screw / Bolt	1/4"- 1"			ANSI B 18.3
2,3	304	ASTM F 594	CW1/CW2	Hex Nut	1/4"- 1"			ANSI B 18.2.2
2.4	316	ASTM F 594	CW1/CW2	Hex Nut	1/4"- 1"			ANSI B 18.2.2
								If use in area of pressure equipment directive a Particular Material Appraisal (PMA) is necessary.

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)