

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

**Paramount Forge (Unit II Ring Rolling Plant)
Survey No. 32/11,32/5,32/4D, Savroli Kharpada Road
Village Dhamani, Khopoli, Taluka-Khalpur
District Raigad - 410 202, Maharashtra, India**

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/1409/WP/2413/18

File No.: 811 780 0487 / ISIPC-86/20

Production site: **See above.**

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

November 2021

Essen, 2018-11-26

Annex: Scope of approval

Region: Essen
Langemarckstr. 20
45141 Essen

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Niekamp
TÜV NORD Systems GmbH & Co. KG,
Große Bahnstraße 31, 22525 Hamburg, Germany

CERTIFICATE

Quality-Assurance System for material manufacturer
according to Pressure Equipment Directive 2014/68/EU

Certificate no.: 07/202/1409/WZ/2413/18

Name and address
of the manufacturer: **Paramount Forge (Unit II Ring Rolling Plant)
Survey No. 32/11,32/5,32/4D, Savroli Kharpada Road
Village Dhamani, Khopoli, Taluka-Khalapur
District Raigad – 410 202, Maharashtra, India**

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 and AD2000-Merkblatt W0**

Certification file no.: **811 780 0487**

Audit report file no.: **811 601 5589 (TN India)**

Scope of approval:
(product / material) **Forged Flanges, Rings, Tube Sheets, Blanks, Nozzles &
Valve Components**

Production site: **Survey No. 32/11,32/5,32/4D, Savroli Kharpada Road,
Village Dhamani, Khopoli, Taluka-Khalapur, District
Raigad – 410 202, Maharashtra, India**

The certificate is valid until: **November 2021**

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

Essen, 26.11.2018

Annex: scope of approval

Region: Essen
Langemarckstr. 20
45141 Essen, Germany

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Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE



Notified Body (0045)
for Pressure Equipment


Niekamp

TUV NORD Systems GmbH & Co. KG,
Große Bahnstraße 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. Zertifikat-Nr. / Certificate No.: 07/2021/1409/WZ/2413/18

☑ AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: 07/203/1409/WP/2413/18

Firma / Company: Paramount Forge (Unit II-Ring Rolling Plant)

Ort / Location: 32/11, 32/5, 32/4D Khopoli, Khalapur, Dist. Raigad, India

Datum / Date: 26.11.2018

AZ / File No.: ISIPC-86/20

SAP-No.: 811 780 0487

Niekamp

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Techn. requirements	Bemerkungen Remarks
					Wanddicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
1.1	1.4301	EN10222-5	+AT	Forged & Machined flanges, Rings, Tube Sheets, Blanks, Nozzle and valve component	50 - 300	PN10 -	Richtlinie 2014/68/EU	if use in area of AD 2000 or PED 2014/68/EU a Particular Material Appraisal (PMA) is required
1.2	1.4307	EN10222-5	+AT		50 - 300	PN160	Directive 2014/68/EU	
1.3	1.4404	EN10222-5	+AT		50 - 300	DN 300 to DN 3000	AD 2000 Merkblatt W2	
1.4	1.4541	EN10222-5	+AT		50 - 300	OD: 250- 2500	AD 2000 Merkblatt W9	
1.5	1.4571	EN10222-5	+AT		50 - 300	OD: 1350 Wt: 4000	AD 2000 Merkblatt W10	
1.6	1.4401	EN10222-5	+AT		50 - 300			
1.7	1.4406	EN10222-5	+AT		50 - 300			
2.1	A105	ASTM / ASME A/SA 105	N	Forged & Machined flanges,	50 - 300	1" - 4" 150# to 2500#		
2.2	G1 LF2 CL1 & CL2	ASTM / ASME A/SA 350	N, +NT, +QT	Rings,	50 - 300	OD: 250- 3500		
				Tube Sheets, Blanks, Nozzle & valve component		OD: 1350 Wt: 4000 Kgs		

Fußnoten / Footnotes:

* +AT = Lösungsglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +W = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsrmegeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled, +P = Ausscheidungsgehärtet / precipitation hardened, +T = Angelassen / tempered

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.

Zertifikat-Nr. / Certificate No.:

07/2021409/WZ/2413/18

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

Zertifikat-Nr. / Certificate No.:

07/2031409/WP/2413/18

Firma / Company: Paramount Forge (Unit II-Ring Rolling Plant)

Ort / Location: 32/11, 32/5, 32/4D Khopoli, Khalapur, Dist. Raigad, India

Datum / Date: 26.11.2018

AZ / File No.: ISIPC-86/20

SAP-No.: 811 780 0487



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Wanddicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]	Prüfgrundlagen Techn. requirements	Bemerkungen Remarks
2.3	F304	ASTM / ASME A/SA 182	+AT	Forged & Machined flanges,	50 - 300	1" - 4" 150# to 2500#		if use in area of AD 2000 or PED 2014/68/EU a Particular Material Appraisal (PMA) is required
2.4	F304L	ASTM / ASME A/SA 182	+AT	Rings,	50 - 300	OD: 250- 3500		
2.5	F316	ASTM / ASME A/SA 182	+AT	Tube Sheets, Blanks, Nozzle & valve component	50 - 300	OD: 1350 Wt: 4000 Kgs		
2.6	F316L	ASTM / ASME A/SA 182	+AT		50 - 300			
2.7	F316TI	ASTM / ASME A/SA 182	+AT		50 - 300			
2.8	F321	ASTM / ASME A/SA 182	+AT		50 - 300			
2.9	F9	ASTM / ASME A/SA 182	+QT		50 - 300			if use in area of AD 2000 or PED 2014/68/EU a Particular Material Appraisal (PMA) is required
2.10	F11	ASTM / ASME A/SA 182	+QT		50 - 300			
2.11	F5 & 5a	ASTM / ASME A/SA 182	+QT		50 - 300			

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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

Firma / Company: Paramount Forge (Unit II-Ring Rolling Plant)

Ort / Location: 32/11, 32/5, 32/4D Khopoli, Khalapur, Dist. Raigad, India

Zertifikat-Nr. / Certificate No.: 07/202/1409WZ/2413/18

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Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Techn. requirements	Bemerkungen Remarks
					Wanddicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
2.12	F51	ASTM / ASME A/SA 182	+AT	Forged & Machined flanges,	50 - 300	14" -56" 150# to 2500# Wt: 4000 Kgs		if use in area of AD 2000 or PED 2014/68/EU a Particular Material Appraisal (PMA) is required
2.13	F60	ASTM / ASME A/SA 182	+AT		50 - 300			
2.14	UNS N08825	ASTM / ASME B/SB 564	+AT / +NT		50 - 300			
2.15	UNS N06600	ASTM / ASME B/SB 564	+AT	Forged Valves Components	50 - 300	1/2" - 30" 150# - 2500# Wt: 4000 Kgs		
2.16	UNS N10276	ASTM / ASME B/SB 462	+AT		50 - 300			
2.17	UNS N04400	ASTM / ASME B/SB 564	+NT		50 - 300			

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