

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.:

01 2627 IN/M1-240010.00

Name and address
of the manufacturer:

Shailesh Forging Works
Survey No. 37 P-3, Village – Ravki, Taluka – Lodhika,
Rajkot - 360004, Gujarat
India

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, point 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to
Directive 2014/68/EU:

QM System acc. to EN 764-5, Clause 4.2 and AD 2000-Merkblatt W0

Assessment report no.:

146906313 Rev. 0

Area of validity:

Manufacturer of Carbon Steel, Stainless Steel & Alloy steel Forgings, Flanges, Valve body & Rings, see Annex to certificate

Manufacturing plant:

Shailesh Forging Works
Survey No. 37 P-3, Village – Ravki, Taluka – Lodhika,
Rajkot - 360004, Gujarat

Period of validity:

14.11.2024 – 13.11.2027



Zabrze, 14.11.2024

Wojciech Szalek
Wojciech Szalek

TÜV Rheinland Polska Sp. z o.o.
Certification Body for Material Manufacturers
ul. Wolności 347, 41-800 Zabrze, Poland
e-mail: post@pl.tuv.com

T6-MS-0038294 rev. 2

Scope according to:		☒ Directive 2014/68/EU, Annex I, point 4.3				☒ AD 2000-Merkblatt W 0							
Manufacturer			Work			Country		Date		Page no.		TÜV Rheinland Polska Sp. z o.o.	
Company name: Shailesh Forging Works Location: Rajkot			Survey No. 37 P-3, Village - Ravki, Taluka - Lodhika, Rajkot – 360004, Gujarat, India			India		14.11.2024		1 of 2			
								Rev.: 0					
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions				Weight max.		Technical specifications Requirements Technical regulations	Remarks	
					Thickness mm		Ø mm		1=t 2=kg ↓	result			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
1. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.) 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													
1	A105	ASTM A 105	+N	Flanges Rings Forgings	-	-	8"	90"	-	-		PMA for the use in pressure equipment in Directive 2014/68/EU necessary	
2	LF2	ASTM A 350	+N +NT		-	-	10"	120"	-	-			
3	F1,F5, F9,F11,F22,F91	ASTM A 182	+NT		-	-	-	-	1	2			
4	F304,F304L,F316,F316L,F347, F347H, F51, F53 & F60	ASTM A182	+AT										



Remarks: +AT = solution annealed +N = normalized or normalizing formed +S = soft annealed
 +AR = as rolled +NT = normalized and tempered +SR = stress relieved
 +M = thermomechanical treated +QT = quenched and tempered A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary

Annex to Certificate no.: 01 2627 IN/M1-240010.00

Scope according to:		☒ Directive 2014/68/EU, Annex I, point 4.3		☒ AD 2000-Merkblatt W 0	
Manufacturer		Work		Country	Date
Company name: Shailesh Forging Works Location: Rajkot		Survey No. 37 P-3, Village - Ravki, Taluka - Lodhika, Rajkot – 360004, Gujarat, India		India	14.11.2024
					Rev.: 0
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2 of 2					

Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions				Weight max.		Technical specifications Requirements Technical regulations	Remarks
					Thickness mm		Ø mm		1=t 2=kg ↓	result		
					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 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

5	X5CrNi18-10(1.4301)	EN 10222-5	+AT	Flanges Rings Forgings	-	-	8"	90"	-	-	AD 2000 W2	
6	X5CrNiMo17-12-2(1.4401)	EN 10222-5	+AT		-	-	10"	120"	-	-	AD 2000 W2	
7	X2CrNiMo17-12-2(1.4404)	EN 10222-5	+AT		-	-	-	-	1	2	AD 2000 W2	
8	X6CrNiNb18-10(1.4550)	EN 10222-5	+AT								AD 2000 W2	
9	X2CrNi18-9(1.4307)	EN 10222-5	+AT								AD 2000 W2	
10	X6CrNiTi18-10(1.4541)	EN 10222-5	+AT								AD 2000 W2	

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