

Certificate

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

Certificate no.: 01 202 IND/Q-10-0008

Name and address of the
manufacturer:

Jay Jagdamba Profile Engineering Products Limited
Office No. 0405, The Landmark, Plot No.26A,
Sector 07, Kharghar, Navi Mumbai-410 210 Maharashtra,
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, Par. 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, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

01 202 IND/Q-10-0008

Range of materials:

see certificates:
01 202 IND/Q-10-0008-1 - 01 202 IND/Q-10-0008-4
and annex 2/1 – annex 2/4

Manufacturing plant:

see annex 1

Valid until:

December 21, 2019

Cologne, 22.12.2016

O. Theisen
i. V. Dipl.-Ing. Oliver Theisen



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Köln

E-108-E-Rev21

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Precisely Right.

Annex 1

to the certificate

01 202 IND/Q-10-0008

Manufacturer: Jay Jagdamba Profile Engineering Products Limited
Office No. 0405, The Landmark, Plot No.26A,
Sector 07, Kharghar, Navi Mumbai-410 210 Maharashtra, India

Manufacturing plants:

Jay Jagdamba Profile Engineering Products Limited: Jay Jagdamba Profile Engineering Products Limited
Gut No 92/3, 422, 423, 424,
Village Abitghar, Shirispada- Shahapur road
Taluka Wada, Dist Palghar-421 303, Maharashtra, India

Jay Jagdamba Profile Private Limited: Jay Jagdamba Profile Private Limited
Gut No. 44(P), 46/2(P), Village Abitghar,
Shirispada- Shahapur road
Taluka Wada, Dist Palghar-421 303, Maharashtra, India

Shree Jay Jagdamba Flanges Private Limited: Shree Jay Jagdamba Flanges Private Limited
Gat No 39/1P & Gat No 44, Area 43,
Village Abitghar, Shirispada- Shahapur road
Taluka Wada, Dist.Palghar-421 303, Maharashtra, India

Jay Jagdamba Forgings Private Limited: Jay Jagdamba Forgings Private Limited
Gat No 39/1, 44 & 61, 46/2,
Village Abitghar, Shirispada- Shahapur road
Taluka Wada, Dist Palghar-421 303, Maharashtra, India

O. Theisen

Cologne, 2015-05-29

I. V. Dipl.-Ing. Oliver Theisen

**The annex is only valid in combination with the a.m. certificate.*



TUV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Köln

E-108-E-Rev21

Certificate

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

Certificate no.: 01 202 IND/Q-10-0008-1

Name and address of the manufacturer:

Jay Jagdamba Profile Engineering Products Limited
Office No. 0405, The Landmark, Plot No.26A,
Sector 07, Kharghar, Navi Mumbai-410 210 Maharashtra,
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, Par. 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, article 4.2 and AD 2000-Merkblatt W0

Audit report no.:

01 202 IND/Q-10-0008

Range of materials:

Manufacture and Supply of Stainless Steel, Duplex Steel, Age Hardened steel, Carbon & Low Alloy Steel Billets, Ingots, HRAP Wire Rods, Hot Rolled bars, Bright round bars, Square bars, Hex bars, Threaded bars, Profiles & Sections, Flanges, Forged and Machined Components, see annex 2/1

Manufacturing plant:

Jay Jagdamba Profile Engineering Products Limited
Gut No 92/3, 422, 423, 424,
Village Abitghar, Shirispada- Shahapur road
Taluka Wada, Dist Palghar-421 303, Maharashtra, India

Valid until:

December 21, 2019

Cologne, 22 12 2016

O. Theisen
V. Dipl.-Ing. Oliver Theisen



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No 0035
Am Grauen Stein, D-51105 Köln

E-108-E-Rev21

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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"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Jay Jagdamba Profile Engineering Products Limited			Gut No.92/3, 422, 423, 424, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	1	TÜV Rheinland Industrie Service GmbH				
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India					Rev.: 0	of :	6					
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	7a	7b				
1	2	3	4	5	6a	6b	7a	7b	8 a	8b	9	10
1. 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	X5CrNi18-10 (1.4301)	EN10272	AT	Ingots							AD 2000 W0	9"x11"x52" to 27"x30"x62"
2	X2CrNi18-9(1.4307)	EN10272	AT	Billets							AD 2000 W2	400mmx2.5mtr to 600mmx2.5mtr
3	X5CrNiMo17-12-2(1.4401)	EN10272	AT	RCS							AD 2000 W10	80 x 80mm to 200X200mm
4	X2CrNiMo17-12-2(1.4404)	EN10272	AT	Angle/Flats	3	12/60	5	120				55x55mm to 100x100mm
5	X2CrNiMo17-12-3(1.4432)	EN10272	AT	Round Bars			5	60				19.05mm to 152.4mm
6	X2CrNiMo18-14-3(1.4435)	EN10272	AT	Hex/ Sq Bar			5	60				Round/Hex/Sq – Bright Bars
7	X3CrNiMo17-13-3(1.4436)	EN10272	AT	Threaded Bar			5	60				
8	X6CrNiTi18-10(1.4541)	EN10272	AT	Wires			1	10				
9	X6CrNiMoTi17-12-2(1.4571)	EN10272	AT	HRAP Coils			5	28				
9	X6CrNiMoTi17-12-2(1.4571)	EN10272	AT	Forgings			1/2"	72"				
Results		* +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"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Jay Jagdamba Profile Engineering Products Limited			Gut No.92/3, 422, 423, 424, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	2	TÜV Rheinland Industrie Service GmbH				
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India					Rev.:	of :	6					
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	from	upto				
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.


10	X6CrNiNb18-10 (1.4550)	EN10272	AT	Ingots							AD 2000 W0	9"x11"x52" to 27"x30"x62"
11	X2CrNiMoCuWN 25-7-4(1.4501)	EN10272	AT	Billets							AD 2000 W2	400mmx2.5mtr to 600mmx2.5mtr
12	X2CrNiMoCuN 25-6-3(1.4507)	EN10272	AT	RCS Angle/Flats	3	12/60					AD 2000 W10	80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm
13	X2CrNiMoN 25-7-4(1.4410) ^{b)}	EN 10272	AT	Round Bars			5	120			AD 2000W9/13	Round/Hex/Sq – Bright Bars
14	X2CrNiMoN 22-5-3(1.4462) ^{b)}	EN 10272	AT	Hex/Sq Bars			5	60				
15	X2CrNiN 23-4(1.4362) ^{b)}	EN 10272	AT	Threaded Bar			5	60				
15				Wires			1	10				
15				HRAP Coils			5	28				
16	P250GH(1.0460) ^{b)}	EN 10222-2	N	Forgings			1/2"	72"				




Results	* +AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary
	+AR = as rolled	+QT = quenched and tempered	b = For applications acc. to AD 2000 rules, the mfg must be listed in the VdTÜV or a single approval with a 3.2 certificate is requested VdTÜV (508, 418,496, 350)
	+M = thermo mechanical treated	+S = soft annealed	
	+N = normalized or normalizing formed	+SR = stress relieved	

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)				
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Jay Jagdamba Profile Engineering Products Limited				Gut No.92/3, 422, 423, 424, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303				India	12-10-16	3	TÜV Rheinland Industrie Service GmbH	
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India				Taluka Wada, Dist.Palghar-421 303				Rev.: 0	of :	6		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	7a	7b				8a
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 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.												
17	X5CrNi18-10 (1.4301)	EN10088-3	AT	Ingots							9"x11"x52" to 27"x30"x62"	
18	X2CrNi18-9(1.4307)	EN10088-3	AT	Billets							400mmx2.5mtr to 600mmx2.5mtr	
19	X5CrNiMo17-12-2(1.4401)	EN10088-3	AT	RCS							80 x 80mm to 200X200mm	
20	X2CrNiMo17-12-2(1.4404)	EN10088-3	AT	Angle/Flats	3	12/60					55x55mm to 100x100mm	
21	X2CrNiMo17-12-3(1.4432)	EN10088-3	AT	Round Bars			5	120			19.05mm to 152.4mm	
22	X2CrNiMo17-12-3(1.4432)	EN10088-3	AT	Hex/Sq Bars			5	60			Round/Hex/Sq – Bright Bars	
23	X2CrNiMo18-14-3(1.4435)	EN10088-3	AT	Threaded Bar			5	60			PMA is required for all categories	
24	X3CrNiMo17-13-3(1.4436)	EN10088-3	AT	Wires			1	10				
25	X6CrNiTi18-10(1.4541)	EN10088-3	AT	HRAP Coils			5	28				
25	X6CrNiMoTi17-12-2(1.4571)	EN10088-3	AT	Forgings			1/2"	72"				
Results		* +AT = solution annealed			+NT = normalized and tempered			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary				
		+AR = as rolled			+QT = quenched and tempered							
		+M = thermo mechanical treated			+S = soft annealed							
		+N = normalized or normalizing formed			+SR = stress relieved							

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)																		
Manufacturer				Work		Nationality	Date	Page No..															
Company Name: Jay Jagdamba Profile Engineering Products Limited				Gut No.92/3, 422, 423, 424, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	4	TÜV Rheinland Industrie Service GmbH														
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India						Rev.:	of :	6															
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks												
					Thickness mm		Ø mm																
					from	upto	from	upto															
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10											
2. 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.																							
26	X6CrNiNb18-10 (1.4550)	EN10088-3	AT	Ingots								9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 											
27	X2CrNiMoN 22-5-3(1.4462)	EN10088-3	AT	Billets																			
28	X2CrNiN 23-4(1.4362)	EN10088-3	AT	RCS																			
29	X2CrNiMoCuWN 25-7-4(1.4501)	EN10088-3	AT	Angle/Flats	3	12/60																	
30	X2CrNiMoCuN 25-6-3(1.4507)	EN10088-3	AT	Round Bars			5	120															
31	X2CrNiMoCuN 25-6-3(1.4507)	EN10088-3	AT	Hex/Sq Bars			5	60															
32	X2CrNiMoN 25-7-4(1.4410)	EN10088-3	AT	Threaded Bar			5	60															
33	X17CrNi16-2(1.4057)	EN10088-3	AT/QT	Wires			1	10															
34	X12Cr13(1.4006)	EN10088-3	S/QT/SR	HRAP Coils			5	28															
34	X2CrNiMo 18-15-04 (1.4438)	EN10088-3	AT	Forgings			1/2"	72"															
Results	<table border="0"> <tr> <td>* +AT = solution annealed</td> <td>+NT = normalized and tempered</td> <td>a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary</td> </tr> <tr> <td>+AR = as rolled</td> <td>+QT = quenched and tempered</td> <td></td> </tr> <tr> <td>+M = thermo mechanical treated</td> <td>+S = soft annealed</td> <td></td> </tr> <tr> <td>+N = normalized or normalizing formed</td> <td>+SR = stress relieved</td> <td></td> </tr> </table>											* +AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary	+AR = as rolled	+QT = quenched and tempered		+M = thermo mechanical treated	+S = soft annealed		+N = normalized or normalizing formed	+SR = stress relieved	
* +AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary																					
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+N = normalized or normalizing formed	+SR = stress relieved																						

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)					
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Jay Jagdamba Profile Engineering Products Limited				Gut No.92/3, 422, 423, 424, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303				India	12-10-16	5	TÜV Rheinland Industrie Service GmbH	
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India				Taluka Wada, Dist.Palghar-421 303				Rev.: 0	of :	6		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks
					Thickness mm		Ø mm		1=t / 2=kg	↓ res ult		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. 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.												
35	X5CrNiCuNb 16-4(1.4542)	EN10088-3	AT	Ingots								9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 
36	X20Cr13(1.4021)	EN10088-3	S/QT/SR	Billets								
37	X6Cr17(1.4016)	EN10088-3	S/SR	RCS								
38	X30Cr13(1.4028)	EN10088-3	S/QT/SR	Angle/Flats	3	12/60						
39	F304/F304L/ F316/F316L/F317L	ASTM A 182	AT	Round Bars			5	120				
40	F321/F321H/F316Ti/F347/F347H	ASTM A 182	AT	Hex/Sq Bars			5	60				
41	F51/F53/F55/F60/F6a	ASTM A 182	AT	Threaded Bar			5	60				
42	F11/F5/F9/F22/F91/F12	ASTM A 182	AT	Wires			1	10				
43	F11/F5/F9/F22/F91/F12	ASTM A 182	AT	HRAP Coils			5	28				
43	S17400 Type 630	ASTM A564	AT	Forgings			½"	72"				
Results	<ul style="list-style-type: none"> * +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 type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)										
Manufacturer		Work		Nationality	Date	Page No..								
Company Name: Jay Jagdamba Profile Engineering Products Limited		Gut No.92/3, 422, 423, 424, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	6	TÜV Rheinland Industrie Service GmbH							
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India				Rev.:	of :	6								
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks			
					Thickness mm		Ø mm							
					from	upto	from	upto						
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10		
2. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)														
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44	A105	ASTM A105	N	Ingots								9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 		
45	304/304L/ 316/316L/317/310S	ASTM A276/A479	AT	Billets										
46	321/316Ti/347	ASTM A276/A479	AT	RCS Angle/Flats	3	12/60								
47	304H/321H/347H	ASTM A479	AT	Round Bars			5	120						
48	403/410/431	ASTM A276/A479	S/QT/SR	Hex/Sq Bars			5	60						
49	420	ASTM A 276	S/QT/SR	Threaded Bar			5	60						
50	416,430F	ASTM A582	S	Wires			1	10						
51	303	ASTM A582	AT/S	HRAP Coils			5	28						
52	LF2	ASTM A 350	N	Forgings			1/2"	72"						
Results		* +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				

Certificate

Quality-Assurance System for Manufacturer of Materials

acc. to Directive 2014/68/EU

Certificate no.: 01 202 IND/Q-10-0008-2

Name and address of the
manufacturer:

Jay Jagdamba Profile Engineering Products Limited
Office No. 0405, The Landmark, Plot No.26A,
Sector 07, Kharghar, Navi Mumbai-410 210 Maharashtra,
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, Par. 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, article 4.2 and
AD 2000-Merkblatt W0

Audit report no.:

01 202 IND/Q-10-0008

Range of materials:

Manufacture and Supply of Stainless Steel, Duplex Steel,
Age Hardened steel, Carbon & Low Alloy Steel Hot Rolled
bars, Bright Square bars, Hex bars, Threaded bars,
Profiles & Sections, see annex 2/2

Manufacturing plant:

Jay Jagdamba Profile Private Limited
Gut No. 44(P), 46/2(P), Village Abitghar,
Shirispada- Shahapur road
Taluka Wada, Dist.Palghar-421 303, Maharashtra, India

Valid until:

December 21, 2019

Cologne, 22.12.2016

i. V. Dipl.-Ing. Oliver Theisen



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No 0035
Am Grauen Stein, D-51105 Köln


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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"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Jay Jagdamba Profile Private Limited			Gut No. 44(P), 46/2(P), Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	1	TÜV Rheinland Industrie Service GmbH				
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India					Rev.: 0	of :	6					
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	7a	7b				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1. 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	X5CrNi18-10 (1.4301)	EN10272	AT	Ingots							AD 2000 W0	9"x11"x52" to 27"x30"x62"
2	X2CrNi18-9(1.4307)	EN10272	AT	Billets							AD 2000 W2	400mmx2.5mtr to 600mmx2.5mtr
3	X5CrNiMo17-12-2(1.4401)	EN10272	AT	RCS							AD 2000 W10	80 x 80mm to 200X200mm
4	X2CrNiMo17-12-2(1.4404)	EN10272	AT	Angle/Flats	3	12/60	5	120				55x55mm to 100x100mm
5	X2CrNiMo17-12-3(1.4432)	EN10272	AT	Round Bars			5	60				19.05mm to 152.4mm
6	X2CrNiMo18-14-3(1.4435)	EN10272	AT	Hex/ Sq Bar			5	60				Round/Hex/Sq – Bright Bars
7	X3CrNiMo17-13-3(1.4436)	EN10272	AT	Threaded Bar			5	60				
8	X6CrNiTi18-10(1.4541)	EN10272	AT	Wires			1	10				
9	X6CrNiMoTi17-12-2(1.4571)	EN10272	AT	HRAP Coils			5	28				
9	X6CrNiMoTi17-12-2(1.4571)	EN10272	AT	Forgings			1/2"	72"				
Results		* +AT = solution annealed			+NT = normalized and tempered			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary				
		+AR = as rolled			+QT = quenched and tempered							
		+M = thermo mechanical treated			+S = soft annealed							
		+N = normalized or normalizing formed			+SR = stress relieved							

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"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Jay Jagdamba Profile Private Limited			Gut No. 44(P), 46/2(P), Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	2	TÜV Rheinland Industrie Service GmbH				
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India						Rev.:	of : 6					
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	from	upto				
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.												
10	X6CrNiNb18-10 (1.4550)	EN10272	AT	Ingots							AD 2000 W0	9"x11"x52" to 27"x30"x62"
11	X2CrNiMoCuWN 25-7-4(1.4501)	EN10272	AT	Billets							AD 2000 W2	400mmx2.5mtr to 600mmx2.5mtr
12	X2CrNiMoCuN 25-6-3(1.4507)	EN10272	AT	RCS Angle/Flats	3	12/60					AD 2000 W10	80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm
13	X2CrNiMoN 25-7-4(1.4410) ^{b)}	EN 10272	AT	Round Bars				5	120		AD 2000W9/13	Round/Hex/Sq – Bright Bars
14	X2CrNiMoN 22-5-3(1.4462) ^{b)}	EN 10272	AT	Hex/Sq Bars				5	60			
15	X2CrNiN 23-4(1.4362) ^{b)}	EN 10272	AT	Threaded Bar				5	60			
15	X2CrNiN 23-4(1.4362) ^{b)}	EN 10272	AT	Wires				1	10			
15	X2CrNiN 23-4(1.4362) ^{b)}	EN 10272	AT	HRAP Coils				5	28			
16	P250GH(1.0460) ^{b)}	EN 10222-2	N	Forgings				1/2"	72"			
Results		* +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 b = For applications acc. to AD 2000 rules, the mfg must be listed in the VdTÜV or a single approval with a 3.2 certificate is requested VdTÜV (508, 418, 496, 350)				

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)					
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Jay Jagdamba Profile Private Limited				Gut No. 44(P), 46/2(P), Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303				India	12-10-16	3	TÜV Rheinland Industrie Service GmbH	
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India								Rev.: 0	of :	6		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max		Technical Specifications. Requirements	Remarks
					Thickness mm		Ø mm		1=t / 2=kg			
					from	upto			↓	res ult		
1	2	3	4	5	6a	6b	7a	7b	8 a	8b	9	10
1. 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.												
17	X5CrNi18-10 (1.4301)	EN10088-3	AT	Ingots								9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 
18	X2CrNi18-9(1.4307)	EN10088-3	AT	Billets								
19	X5CrNiMo17-12-2(1.4401)	EN10088-3	AT	RCS								
20	X2CrNiMo17-12-2(1.4404)	EN10088-3	AT	Angle/Flats	3	12/60						
21	X2CrNiMo17-12-3(1.4432)	EN10088-3	AT	Round Bars			5	120				
22	X2CrNiMo17-12-3(1.4432)	EN10088-3	AT	Hex/Sq Bars			5	60				
23	X2CrNiMo18-14-3(1.4435)	EN10088-3	AT	Threaded Bar			5	60				
24	X3CrNiMo17-13-3(1.4436)	EN10088-3	AT	Wires			1	10				
25	X6CrNiTi18-10(1.4541)	EN10088-3	AT	HRAP Coils			5	28				
25	X6CrNiMoTi17-12-2(1.4571)	EN10088-3	AT	Forgings			½"	72"				
Results		* +AT = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
		+AR = as rolled		+QT = quenched and tempered								
		+M = thermo mechanical treated		+S = soft annealed								
		+N = normalized or normalizing formed		+SR = stress relieved								

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)																			
Manufacturer				Work				Nationality	Date	Page No..																
Company Name: Jay Jagdamba Profile Private Limited				Gut No. 44(P), 46/2(P), Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303				India	12-10-16	4	TÜV Rheinland Industrie Service GmbH															
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India								Rev.:	of :	6																
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks															
					Thickness mm		Ø mm																			
					from	upto	from	upto																		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10														
2. 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.																										
26	X6CrNiNb18-10 (1.4550)	EN10088-3	AT	Ingots							9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 															
27	X2CrNiMoN 22-5-3(1.4462)	EN10088-3	AT	Billets																						
28	X2CrNiN 23-4(1.4362)	EN10088-3	AT	RCS																						
29	X2CrNiMoCuWN 25-7-4(1.4501)	EN10088-3	AT	Angle/Flats	3	12/60	5	120																		
30	X2CrNiMoCuN 25-6-3(1.4507)	EN10088-3	AT	Round Bars			5	60																		
31	X2CrNiMoN 25-7-4(1.4410)	EN10088-3	AT	Hex/Sq Bars			5	60																		
32	X17CrNi16-2(1.4057)	EN10088-3	A/QT	Threaded Bar			1	10																		
33	X12Cr13(1.4006)	EN10088-3	A/QT	Wires			5	28																		
34	X2CrNiMo 18-15-04 (1.4438)	EN10088-3	AT	HRAP Coils			1/2"	72"																		
34	X2CrNiMo 18-15-04 (1.4438)	EN10088-3	AT	Forgings			1/2"	72"																		
Results	<table border="0"> <tr> <td>* +AT = solution annealed</td> <td>+NT = normalized and tempered</td> <td>a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary</td> </tr> <tr> <td>+AR = as rolled</td> <td>+QT = quenched and tempered</td> <td></td> </tr> <tr> <td>+M = thermo mechanical treated</td> <td>+S = soft annealed</td> <td></td> </tr> <tr> <td>+N = normalized or normalizing formed</td> <td>+SR = stress relieved</td> <td></td> </tr> <tr> <td>+A = Annealed</td> <td></td> <td></td> </tr> </table>											* +AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary	+AR = as rolled	+QT = quenched and tempered		+M = thermo mechanical treated	+S = soft annealed		+N = normalized or normalizing formed	+SR = stress relieved		+A = Annealed		
* +AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary																								
+AR = as rolled	+QT = quenched and tempered																									
+M = thermo mechanical treated	+S = soft annealed																									
+N = normalized or normalizing formed	+SR = stress relieved																									
+A = Annealed																										

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer				Work		Nationality	Date	Page No..				
Company Name: Jay Jagdamba Profile Private Limited				Gut No. 44(P), 46/2(P), Village Abitghar, Shirispada- Shahapur road,		India	12-10-16	5	TÜV Rheinland Industrie Service GmbH			
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India				Taluka Wada, Dist.Palghar-421 303			Rev.: 0	of : 6				
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	7a	7b				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. 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.												
35	X5CrNiCuNb 16-4(1.4542)	EN10088-3	AT	Ingots							9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 	
36	X20Cr13(1.4021)	EN10088-3	A/QT	Billets								
37	X6Cr17(1.4016)	EN10088-3	A	RCS								
38	X30Cr13(1.4028)	EN10088-3	A/QT	Angle/Flats	3	12/60			5	120		
39	F304/F304L/ F316/F316L/F317L	ASTM A 182	AT	Round Bars					5	60		
40	F321/F321H/F316Ti/F347/F347H	ASTM A 182	AT	Hex/Sq Bars					5	60		
41	F51/F53/F55/F60/F6a	ASTM A 182	AT	Threaded Bar					1	10		
42	F11/F5/F9/F22/F91/F12	ASTM A 182	AT	Wires					5	28		
43	S17400 Type 630	ASTM A564	AT	HRAP Coils					1/2"	72"		
Results		* +AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +A = Annealed		+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 type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)								
Manufacturer		Work		Nationality	Date	Page No..						
Company Name: Jay Jagdamba Profile Private Limited		Gut No. 44(P), 46/2(P), Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	6	TÜV Rheinland Industrie Service GmbH					
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India		Taluka Wada, Dist.Palghar-421 303		Rev.:	of :	6						
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	from	upto				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. 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.												
44	A105	ASTM A105	N	Ingots								9"x11"x52" to 27"x30"x62" 400mmx2.5mtr to 600mmx2.5mtr 80 x 80mm to 200X200mm 55x55mm to 100x100mm 19.05mm to 152.4mm Round/Hex/Sq – Bright Bars PMA is required for all categories 
45	304/304L/ 316/316L/317/310S	ASTM A276/A479	AT	Billets								
46	321/316Ti/347	ASTM A276/A479	AT	RCS Angle/Flats	3	12/60						
47	304H/321H/347H	ASTM A479	AT	Round Bars			5	120				
48	403/410/431	ASTM A276/A479	A	Hex/Sq Bars			5	60				
49	420	ASTM A 276	A	Threaded Bar			5	60				
50	416,430F	ASTM A582	S	Wires			1	10				
51	303	ASTM A582	AT/S	HRAP Coils Forgings			5	28				
Results		* +AT = solution annealed			+NT = normalized and tempered			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary				
		+AR = as rolled			+QT = quenched and tempered							
		+M = thermo mechanical treated			+S = soft annealed							
		+N = normalized or normalizing formed			+SR = stress relieved							
		+A = annealed										

Certificate

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

Certificate no.: 01 202 IND/Q-10-0008-4

Name and address of the
manufacturer:

Jay Jagdamba Profile Engineering Products Limited
Office No. 0405, The Landmark, Plot No.26A,
Sector 07, Kharghar, Navi Mumbai-410 210 Maharashtra,
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, Par. 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, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

01 202 IND/Q-10-0008

Range of materials:

Manufacture and Supply of Stainless Steel, Duplex Steel,
Age Hardened steel, Carbon & Low Alloy Steel Hot Forged
bars, Forged Flanges and Components, see annex 2/4

Manufacturing plant:

Jay Jagdamba Forgings Private Limited
Gat No 39/1, 44 & 61, 46/2,
Village Abitghar, Shirispada- Shahapur road
Taluka Wada, Dist Palghar-421 303, Maharashtra, India

Valid until:

December 21, 2019

Cologne, 22.12.2016

O. Theisen
II. V. Dipl.-Ing. Oliver Theisen




TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Köln


E-108-E-Rev21


www.tuv.com

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Precisely Right.

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"/> FPC, Regulation (EU) No. 305/2011(System 2+)				
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Jay Jagdamba Forgings Private Limited				Gat No.39/1, 44 & 61, 46/2, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303.				India	12-10-16	1	TÜV Rheinland Industrie Service GmbH	
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India								Rev.: 0	of : 4			
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements	Technical Regulations	Remarks
					Thickness mm	mm		Ø				
					from	upto	7a	7b	8 a	8b	9	10
1. 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	X5CrNi18-10 (1.4301)	EN 10222-5	AT	Flanges							W2 / W13/ W9  DN 10 TO DN 1800 PN 6 TO PN 250 1/2" to 72" 150 LBS to 2500 LBS & Series A & B OD UP TO 2500 mm THICKNESS UP TO 400 mm 1) For applications acc. to AD 2000 rules, the manufacturer must be listed in the VdTÜV 418 , 350 material data sheet or a single approval with a 3.2 certificate is requested.	
2	X2CrNiMo17-12-2(1.4404)	EN 10222-5	AT									
3	X5CrNiMo17-12-2(1.4401)	EN 10222-5	AT									
4	X6CrNiTi18-10(1.4541)	EN 10222-5	AT	Forgings								
5	X6CrNiMoTi17-12-2(1.4571)	EN 10222-5	AT									
6	X2CrNi18-9(1.4307)	EN 10222-5	AT									
7	P250GH(1.0460) ¹⁾	EN 10222-2	N									
8	X2CrNiMoN22-5-3(1.4462) ¹⁾	EN 10222-5	AT									
9	X2CrNiMo18-14-3 (1.4435)	EN 10222-5	AT									
Results		* +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 type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)									
Manufacturer		Work		Nationality	Date	Page No..							
Company Name: Jay Jagdamba Forgings Private Limited		Gat No.39/1, 44 & 61, 46/2, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303.		India	12-10-16	2	TÜV Rheinland Industrie Service GmbH						
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India					Rev.: 0	of : 4							
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks		
					Thickness mm		Ø mm						
					from	upto	from	upto					
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
2. Materials according to international standards (e. g. ASTM, ASME, IBR,EN 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.													
10	X17CrNi16-2(1.4057)	EN 10250-4	QT	Flanges								DN 10 TO DN 1800 PN 6 TO PN 250	
11	X12Cr13(1.4006)	EN 10250-4	A/QT										
12	X20Cr13(1.4021)	EN 10250-4	A/QT									1/2" to 72" 150 LBS to 2500 LBS & Series A & B	
13	F304/F304L/ F316/F316L/F317L	ASTM A182	AT	Forgings									
14	F321/F316Ti/ F51/ F53/F60	ASTM A182	AT										OD UP TO 2500 mm THICKNESS UP TO 400 mm
15	F5/F9/F11/F12/F22	ASTM A182	NT										
16	A105	ASTM A105	N										PMA for the use in pressure equipment is mandatory
17	LF2	ASTM A 350	N / NT										
18	SA266 Gr2/Gr4	ASME SA 266	N / NT										
Results		* +AT = solution annealed			+NT = normalized and tempered			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary					
		+AR = as rolled			+QT = quenched and tempered								
		+M = thermo mechanical treated			+S = soft annealed								
		+N = normalized or normalizing formed			+SR = stress relieved								
		+A = annealed											

Scope according to	<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)								
Manufacturer		Work		Nationality	Date	Page No..						
Company Name: Jay Jagdamba Forgings Private Limited		Gat No.39/1, 44 & 61, 46/2, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303		India	12-10-16	3	TÜV Rheinland Industrie Service GmbH					
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India		Taluka Wada, Dist.Palghar-421 303		Rev.: 0	of :	4						
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
1	2	3	4	5	6a	6b	7a	7b	8 a	8b	9	10
1. 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.												
19	F91/ F6a	ASTM A182	QT / NT	Flanges								DN 10 TO DN 1800 PN 6 TO PN 250
20	F6/F11/F5/F9/F22/F91	ASME SA 336	QT / NT									
21	F304/F304L/F304H/F316/F316L/	ASME SA 965	AT	Forgings								1/2" to 72" 150 LBS to 2500 LBS & Series A & B
22	F316H/F321/F321H/F347/F347H	ASME SA 965	AT									OD UP TO 2500 mm THICKNESS UP TO 400 mm PMA for the use in pressure equipment is mandatory
												
Results	* +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 type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)					
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Jay Jagdamba Forgings Private Limited				Gat No.39/1, 44 & 61, 46/2, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Dist.Palghar-421 303.				India	12-10-16	4	TÜV Rheinland Industrie Service GmbH	
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India								Rev.: 0	of : 4			
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					from	upto	from	upto				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. Materials according to international standards (e. g. ASTM, ASME, IBR,EN 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.												
23	410,431	ASTM A276/479	A	Bars							OD UP TO 500 mm LENGTH UP TO 6000 mm PMA for the use in pressure equipment is mandatory 	
24	420	ASTM A276	A									
25	303	ASTM A582	S									
26	416,430F	ASTM A582	S									
27	304/304L,316/316L/316Ti,321	ASTM A276/479	AT									
Results	* +AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +A = annealed			+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					

Certificate

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

Certificate no : 01 202 IND/Q-10-0008-3

Name and address of the manufacturer:

Jay Jagdamba Profile Engineering Products Limited
Office No. 0405, The Landmark, Plot No.26A,
Sector 07, Kharghar, Navi Mumbai-410 210 Maharashtra,
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, Par. 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, article 4.2 and AD 2000-Merkblatt W0

Audit report no.:

01 202 IND/Q-10-0008

Range of materials:

Manufacture and Supply of Stainless Steel, Duplex Steel, Age Hardened steel, Carbon & Low Alloy Steel Hot Forged bars, Flanges, Forged and Machined Components Profiles & Sections, see annex 2/3

Manufacturing plant:

Shree Jay Jagdamba Flanges Private Limited
Gat No 39/1P & Gat No 44, Area 43,
Village Abitghar, Shirispada- Shahapur road
Taluka Wada, Dist.Palghar-421 303, Maharashtra, India

Valid until:

December 21, 2019

Cologne, 22.12.2016

i. V. Dipl.-Ing. Oliver Theisen



TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Köln

E-108-E-Rev21


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Precisely Right.

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"/> FPC, Regulation (EU) No. 305/2011(System 2+)		
Manufacturer					Work					Nationality	Date	Page No..	
Company Name: Shree Jay Jagdamba Flanges Private Limited					Gat No.39/1P & Gat No.44, Area 43, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Palghar-421 303.					India	12-10-16	1	TÜV Rheinland Industrie Service GmbH
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India										Rev.: 0	of :	3	
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks		
					Thickness mm	Ø mm							
					from	upto			a	b	9	10	
1. 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	X5CrNi18-10 (1.4301)	EN 10222-5	AT	Flanges							AD 2000 W2	DN 10 TO DN 1800 PN 6 TO PN 250	
2	X2CrNiMo17-12-2(1.4404)	EN 10222-5	AT										
3	X5CrNiMo17-12-2(1.4401)	EN 10222-5	AT								AD 2000 W9	1/2" to 72"	
4	X6CrNiTi18-10(1.4541)	EN 10222-5	AT	Forgings							AD 2000 W13	150 LBS to 2500 LBS & Series A & B	
5	X6CrNiMoTi17-12-2(1.4571)	EN 10222-5	AT										
6	X2CrNi18-9(1.4307)	EN 10222-5	AT									OD UP TO 2500 mm THICKNESS UP TO 400 mm	
7	P250GH(1.0460)	EN 10222-2	N										
8	X2CrNiMoN22-5-3(1.4462) ¹⁾	EN 10222-5	AT									¹⁾ For applications acc. to AD 2000 rules, the mfg must be listed in the VdTÜV 418 or a single approval with a 3.2 certificate is requested.	
9	X2CrNiMo18-14-3 (1.4435)	EN 10222-5	AT										
Results		* +AT = solution annealed			+NT = normalized and tempered			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary					
		+AR = as rolled			+QT = quenched and tempered								
		+M = thermo mechanical treated			+S = soft annealed								
		+N = normalized or normalizing formed			+SR = stress relieved								

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)			
Manufacturer				Work				Nationality	Date	Page No..	TÜV Rheinland Industrie Service GmbH
Company Name: Shree Jay Jagdamba Flanges Private Limited				Gat No.39/1P & Gat No.44, Area 43, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Palghar-421 303.				India	12-10-16	2	
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India								Rev.: 0	of : 3		
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight Max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks
					Thickness mm		Ø mm				
					from	upto	from	upto			
1	2	3	4	5	6a	6b	7a	7b	8a 8b	9	10
2. Materials according to international standards (e. g. ASTM, ASME, IBR,EN 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.											
10	X17CrNi16-2(1.4057)	EN 10250-4	A/QT	Flanges							DN 10 TO DN 1800 PN 6 TO PN 250
11	X12Cr13(1.4006)	EN 10250-4	A/QT								
12	X20Cr13(1.4021)	EN 10250-4	A/QT								1/2" to 72" 150 LBS to 2500 LBS & Series A & B
13	F304/F304L/ F316/F316L/F317L	ASTM A182	AT	Forgings							
14	F 321/F316Ti/ F51/ F53/ F60	ASTM A182	AT								
15	F5/F9/F11/F12/F22	ASTM A182	NT								
16	A105	ASTM A105	N								
17	LF2	ASTM A 350	N / NT								
18	SA266 Gr2/Gr4	ASME SA 266	N / NT								OD UP TO 2500 mm THICKNESS UP TO 400 mm PMA is required for all categories
Results		* +AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +A = annealed			+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 type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)								
Manufacturer		Work		Nationality	Date	Page No..						
Company Name: Shree Jay Jagdamba Flanges Private Limited		Gat No.39/1P & Gat No.44, Area 43, Village Abitghar, Shirispada- Shahapur road, Taluka Wada, Palghar-421 303		India	12-10-16	3	TÜV Rheinland Industrie Service GmbH					
Location: Taluka Wada, Dist.Palghar-421 303, Maharashtra, India				Rev.: 0	of : 3							
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications. Requirements Technical Regulations	Remarks	
					Thickness mm	Ø mm						
					from	upto	7a	7b	8a	8b	9	10
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 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.												
19	F91/ F6a	ASTM A182	QT / NT	Flanges								DN 10 TO DN 1800 PN 6 TO PN 250
20	F6/F11/F5/F9/F22/F91	ASME SA 336	QT / NT									
21	F304/F304L/F304H/F316/F316L/	ASME SA 965	AT	Forgings								1/2" to 72" 150 LBS to 2500 LBS & Series A & B
22	F316H/F321/F321H/F347/F347H	ASME SA 965	AT									OD UP TO 2500 mm THICKNESS UP TO 400 mm PMA is required for all categories
												
Results	* +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					