

CERTIFICATE

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

Certificate no.:

01 2526 QM/M1-230017.00

Name and address of the
manufacturer:

**JSC ZiO-Podolsk
Zheleznodorozhnaya street 2
Moscow region, 142103 Podolsk
Russian Federation**

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.:

01 2526 QM/M1-230017.00

Area of validity:

Steel forgings from ferritic and austenitic steels
See Annex to certificate
Initial material manufacturer

Manufacturing plant:

**JSC ZiO-Podolsk
Zheleznodorozhnaya street 2
Moscow region, 142103 Podolsk
Russian Federation**

This certificate is valid until:

May 2026

Information about previous
Certificates

01 202 BG/Q-20 0001,
NoBo 0035 TUV Rheinland Industrie Service GmbH,
17.01.2022




Head of Certification Body

Budapest, 29.05.2023

Annex to Certificate No. : 01 2526 QM/M1-230017.00

Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3		<input type="checkbox"/> AD 2000-Merkblatt W0			
Manufacturer		Work		Country	Date	Page No.	ECM European Certification Service of Management Systems Ltd
Company name: JSC ZiO-Podolsk Location: Zheleznodorozhnaya street 2 Moscow region, 142103 Podolsk		JSC ZiO-Podolsk Zheleznodorozhnaya street 2 Moscow region, 142103 Podolsk		Russian Federation	29-05-23	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 ↓ res ult	8a			8b
					from	Up to	from	Up to					
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU 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	P280GH (1.0426) P305GH (1.0436)	EN 10222-2	+N, +NT, +QT	Forging	20	1000	20	1000	1	0.3	EN 10222-2		
2	13CrMo4-5 (1.7335)	EN 10222-2	+NT, +QT	Forging	20	1000	20	1000	1	0.3	EN 10222-2		
3	16Mo3 (1.5415)	EN 10222-2	+N, +QT	Forging	20	1000	20	1000	1	0.3	EN 10222-2		
4	18MnMoNi5-5 (1.6308)	EN 10222-2	+QT	Forging	20	1000	20	1000	1	0.3	EN 10222-2		
5	P285NH (1.0477) P355NH (1.0565)	EN 10222-4	+N	Forging	20	1000	20	1000	1	0.3	EN 10222-4		
6	X2CrNi18-9 (1.4307) X6CrNiTi18-10 (1.4541)	EN 10222-5	+AT	Forging	20	1000	20	1000	1	0.3	EN 10222-5		
Explanation: +AT = solution annealed +M = thermomechanical treated +NT = normalized and tempered +A = soft annealed a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary +U = Untreated +AR = as rolled +N = normalized or normalizing formed +QT = quenched and tempered +SR = stress relieved													

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					Thickness mm		Ø mm		1=t / 2=kg ↓ res ult	8a			8b
					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 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	P280GH (1.0426) P305GH (1.0436) ¹⁾	EN 10222-2	+N, +NT, +QT	Forging	20	1000	20	1000	1	0.3	AD2000W13	¹⁾ Certificate 3.2 is required Certificate 3.2 is required Certificate 3.2 is required Certificate 3.2 is required ²⁾ Certificate 3.2 for t > 50mm is required Certificate 3.2 for t > 250mm is required	
2	13CrMo4-5 (1.7335)	EN 10222-2	+NT, +QT	Forging	20	1000	20	1000	1	0.3	AD2000W13		
3	16Mo3 (1.5415)	EN 10222-2	+N, +QT	Forging	20	1000	20	1000	1	0.3	AD2000W13		
4	18MnMoNi5-5 (1.6308)	EN 10222-2	+QT	Forging	20	1000	20	1000	1	0.3	AD2000W13		
5	P285NH (1.0477) P355NH (1.0565) ²⁾	EN 10222-4	+N	Forging	20	1000	20	1000	1	0.3	AD2000W13		
6	X2CrNi18-9 (1.4307) X6CrNiTi18-10 (1.4541)	EN 10222-5	+AT	Forging	20	1000	20	1000	1	0.3	AD2000W2		
Explanation: +AT = solution annealed +M = thermomechanical treated +NT = normalized and tempered +A = soft annealed a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary +U = Untreated +AR = as rolled +N = normalized or normalizing formed +QT = quenched and tempered +SR = stress relieved													

