

# Certificate

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

Certificate no.: 01 202 F/Q-05 20177

Name and address of the manufacturer: **SOCIETE POCLAIN TECHNICAST  
GRANDRY CASTING TECHNOLOGIES  
4, Bvd de la Primaudière  
F – 72300 SABLE sur SARTHE**

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: **QA System acc. to EN 764-5, article 4.2 and AD 2000-Merkblatt W0**

Audit report no.: F/Q-05 20177

Range of materials: Production of spheroidal graphite iron series, see annex to certificate

Manufacturing plant: **SOCIETE POCLAIN TECHNICAST  
GRANDRY CASTING TECHNOLOGIES  
4, Bvd de la Primaudière  
F – 72300 SABLE sur SARTHE**

Valid until: May 24, 2020

*O. Theisen*



Cologne, October 18, 2017

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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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+)	
Company Name: SOCIETE POCLAIN TECHNICAST – GRANDRY CASTING TECHNOLOGIES 4, Bvd de la Primaudière Location: F-72300 SABLE sur SARTHE		Manufacturer		Work		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions	
					Thick-ness mm	
					from to	
					Up to	
					from to	
					Up to	
					7a 7b	
					6a 6b 7a 7b	
					8a 8b	
					9 10	
1	2	3	4	5	6a 6b 7a 7b 8a 8b 9 10	
<b>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>						
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	EN-GJS-400-18-LT	DIN EN 1563	--	Cast	10 40	
2	EN-GJS-400-18U-LT	DIN EN 1563	--	Cast	10 40	
3	EN-GJS-400-15/15U	DIN EN 1563	--	Cast	10 40	
4	EN-GJS-500-7:7U	DIN EN 1563	--	Cast	10 40	
<b>Remarks</b>		+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								
Company Name: SOCIETE POCLAIN TECHNICAST – GRANDRY CASTING TECHNOLOGIES 4, Bvd de la Primaudière		SABLE sur SARTHE								
Location: F-72300 SABLE sur SARTHE		Date: 24/05/17								
Materials-term Materials-No.		Material Specification	Delivery Cond.	Article Type of Product						
2		3	4	5						
Cur	Dimensions		Weight max	Technical Specifications						
	Thick-ness mm	Ø mm	1=t / 2=kg	Requirements						
	from to	from to	↓ res ult	Technical Regulations						
	6a 6b	7a 7b	8a 8b	9						
1	3		10							
<b>2. Materials according to the AD 2000-Code</b>										
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	EN-GJS-400-18-LT	DIN EN 1563	--	Cast	10	40	2	70	AD2000-W3/2	3.2 Acc. to DIN 10204
2	EN-GJS-400-18U-LT	DIN EN 1563	--	Cast	10	40	2	70	AD2000-W3/2	3.2 Acc. to DIN 10204
3	EN-GJS-400-15/15U	DIN EN 1563	--	Cast	10	40	2	70	AD2000-W3/2	3.2 Acc. to DIN 10204
4	EN-GJS-500-7.7U	DIN EN 1563	--	Cast	10	40	2	70	AD2000-W3/2	3.2 Acc. to DIN 10204
Remarks	+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					