

Certificate

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

Certificate no.: 01 202 E/Q-18 1982

Name and address of the
manufacturer:

Sidenor Forgings and castings S.L.U.
Paseo Alejandro Calonge Nº1
Reinosa (Cantabria)
E 39200 Spain

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.:

E/Q-18 1982

Area of validity:

MANUFACTURER OF FORGED BARS IN MATERIAL:
CARBON, STEEL, ALLOY STEEL, FROM 220 mm Ø TO
1500mmØ, see annex to certificate

Manufacturing plant:

Sidenor Forgings and castings S.L.U.
Paseo Alejandro Calonge Nº1
Reinosa (Cantabria)
E 39200 Spain

Valid until:

Oktober 16, 2021




Cologne, October 17, 2018

i.V. Dipl.-Ing. Oliver Theisen

TÜV Rheinland Industrie Service GmbH
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035
Am Grauen Stein, D-51105 Köln

E-008-D-Rev22


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: SIDENOR FORGINGS AND CASTINGS SLU				REINOSA PLANT		E		17.07.18		1		
Location: E 30200 REINOSA (CANTABRIA) SPAIN								Rev.:1		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 *	Material Specification 	
					Thick-ness mm		Ø mm					
					from	Up to	from					
1	2	3	4	5	6a	6b	7a	1	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 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.

	11 CrMo 9-10	1.7383	EN 10222.2	+QT	BARS	220	500					EN 10222.2	1)
	13 CrMo 45	1.7335	EN 10222.2	+QT	BARS	220	500					EN 10222.2	1)
	16 Mo 3	1.5415	EN 10222.2	+QT	BARS	220	500					EN 10222.2	1)
	P355QH	1.0571	EN 10222.4	+QT	BARS	220	400					EN 10222.4	1)

Remarks	+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	1) = For greater values in diemsions will be necessary PMA
	+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: SIDENOR FORGING AND CASTING SLU				REINOSA PLANT		E		17.07.18		2		
Location: E 30200 REINOSA (CANTABRIA) SPAIN								Rev.:		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 *	Material Specification 	
					Thick-ness mm		Ø mm					
					from	Up to	from					
1	2	3	4	5	6a	6b	7a	1	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.

	16 Mo 3 13 CrMo 45 11 CrMo 9-10	1.5415 1.7335 1.7383	DIN 10222 .2 DIN 10222 .2 DIN 10222 .2	+QT +QT +QT	BARS BARS BARS	220 220 220	500 500 500					AD 2000 W13 AD 2000 W13 AD 2000 W13	a a a
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Remarks	+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	
Company Name: SIDENOR FORGING AND CASTING SLU				REINOSA PLANT		E		17.07.18	
Location: E 30200 REINOSA (CANTABRIA) SPAIN								Rev.: of : 3	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions			Cur-	Materials-term Materials-No.
					Thickness mm				
					from				from
1	2	3	4	5	6a	1	2	3	4 5 6a
3. 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.									
	S 235 JRG2 1.0038	EN 10250.2	+AR	BARS	220	500			EN 10250.2 a 1)
	S 235J2G3 1.0116	EN 10250.2	+AR	BARS	220	500			EN 10250.2 a 1)
	S 355 J2G3 1.0570	EN 10.250.2	+AR	BARS	220	500			EN 10.250.2 a 1)
	25 CrMo4 1.7218	EN 10250.3	+QT	BARS	220	330			EN 10.250.3 a 1)
	42 CrMo 4 1.7225	EN 10250.3	+QT	BARS	220	660			EN 10.250.3 a 1)
	34 CrNiMo 6 1.6582	EN 10250.3	+QT	BARS	220	660			EN 10.250.3 a 1)
	34 CrNiMo 6 1.6582	EN 10083.3	+QT	BARS	220	160			EN 10083.3 a 1)
	25 CrMo4 1.7218	EN 10083.3	+QT	BARS	220	100			EN 10083.3 a 1)
	42 CrMo 4 1.7225	EN 10083.3	+QT	BARS	220	160			EN 10083.3 a 1)
Erläuterung	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +AR = not treated +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 1) = For greater values in diemsions will be necessary PMA								