

Certificado

Sistema de aseguramiento de calidad para fabricante de Materiales según la Directiva 2014/68/EU

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

Nombre y dirección del
fabricante:

Sidenor Forgings and castings S.L.U.
Paseo Alejandro Calonge N°1
Reinosa (Cantabria)
E 39200 Spain

Por la presente se certifica que el fabricante de materiales ha introducido un sistema de calidad. El sistema de calidad ha sido auditado según la Directiva Europea 2014/68/EU, Apéndice I, Sección 4.3 para equipos a presión de acuerdo a los materiales listados en el ámbito de aprobación.

Comprobado según la
Directiva 2014/68/EU:

**Sistema de calidad según EN 764-5, sección 4.2 y
AD 2000-Merkblatt W0**

No. del informe del auditor:

E/Q-18 1982

Ámbito de aprobación:

FABRICANTE DE ACERO FORJADO DE BARRAS EN
MATERIAL DE ACERO AL CARBONO, ALEADO DESDE
220 mm Ø HASTA 1500mmØ, ver anexo del certificado

Planta de producción:

Sidenor Forgings and castings S.L.U.
Paseo Alejandro Calonge N°1
Reinosa (Cantabria)
E 39200 Spain

Válido hasta:

16 de octubre 2021



Colonia, 17 de octubre 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		☒ Directive 2014/68/EU Annex I §4.3		☐ EN 764-4		☒ AD 2000-Merkblatt W0		☐ 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 ↓ res ult	Technical Specifications *	Material Specification 	
					Thick-ness mm		Ø mm					
					from	Up to	fr o m					
1	2	3	4	5	6a	6b	7 a	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		☒ Directive 2014/68/EU Annex I §4.3		☐ EN 764-4		☒ AD 2000-Merkblatt W0		☐ 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	1.5415	DIN 10222 .2	+QT	BARS	220	500					AD 2000 W13	a
13 CrMo 45	1.7335	DIN 10222 .2	+QT	BARS	220	500					AD 2000 W13	a
11 CrMo 9-10	1.7383	DIN 10222 .2	+QT	BARS	220	500					AD 2000 W13	a

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		☒ Directive 2014/68/EU Annex I §4.3		☐ EN 764-4		☒ AD 2000-Merkblatt W0		☐ FPC, Regulation (EU) No. 305/2011(System 2+)			
Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp
Company Name: SIDENOR FORGING AND CASTING SLU				REINOSA PLANT				E	17.07.18	3	TÜV Rheinland Industrie Service GmbH
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.	Material Specification	
					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				