

Certificate

Quality management system for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 E/Q-02 6904B.00

Name and address of the certificate holder: **SIDENOR ACEROS ESPECIALES S.L.**
Planta de Reinosa
Paseo de Alejandro Calonge, s/n
39200 Reinosa (Cantabria)
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, point 4.3, with regard to the materials as listed in the scope of approval.

Test basis: **QM System acc. to EN 764-5, Clause 4.2 and AD 2000-Merkblatt W0**

Audit report no.: 01 202 E/Q-02 6904B

Scope: **MANUFACTURER OF STEEL ROLLED (BARS) AND FORGED BARS IN MATERIAL: CARBON, STEEL, ALLOY STEEL, AND STAINLESS STEEL, see annex to certificate: 01 202 E/Q-02 6904B, revision 10 from 29.03.23**

Manufacturing plant: see certificate holder

Validity: **This certificate is valid to 2026-05-31.**

Cologne, 2023-04-30

Dipl.-Ing. (FH) Vera Ruff



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

E-108a

Scope according to	<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt WO	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)																				
Manufacturer		Work		Nationality	Date	Page No..																		
Company Name: SIDENOR ACEROS ESPECIALES, S.L.U.		PLANTA REINOSA		E	29.03.23	1	TÜV Rheinland Industrie Service GmbH																	
Location: E 39200 REINOSA (CANTABRIA)					Rev.:10	of : 5																		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks												
					Thick-ness mm		Ø mm		1=t / 2=kg ↓ res ult															
					from	Up to	fr o m	Up to																
1	2	3	4	5	6a	6b	7 a	7b	8a	8b	9													
<p>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</p> <p>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.</p>																								
1	X 6CrNiMoTi 17-12-2 X 2CrNiMo 17-12-2 X 5CrNi 18-10 X 6CrNiTi 18-10 X 5CrNiMo 17-12-2 X 2CrNi18-9 X 8CrNiS 18-9	1.4571 1.4404 1.4301 1.4541 1.4401 1.4307 1.4305	DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272 DIN EN 10272	+AT +AT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS BARS	100 100 100 100 100 100 100	230 230 230 230 230 230 230																	
2	25 CrMo4 34 CrNiMo 6 40CrMoV4.6 21 CrMoV 5.7 42 CrMo 4	1.7218 1.6582 1.7711 1.7709 1.7225	DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269	+S, +QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	100 100 100 100 100	150 120 160 160 65					b b b b b												
3	P 250 GH 16 Mo 3 13 CrMo 45 10 CrMo 9-10	1.0460 1.5415 1.7335 1.7380	DIN EN 10273 DIN EN 10269 DIN EN 10269 DIN EN 10269	+N +QT +QT +QT	BARS BARS BARS BARS	100 100 100 100	150 150 150 150					b b b b												
<p>Remarks</p> <table style="width:100%;"> <tr> <td style="width:33%;">+AT = solution annealed</td> <td style="width:33%;">+NT =</td> <td style="width:34%;"></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>b = in Directive 2014/68/EU necessary</td> </tr> <tr> <td>+N = normalized or normalizing formed</td> <td>+SR = stress relieved</td> <td>= If the size of the product is outside the approved scope acc. to the standard, a PMA is requested</td> </tr> </table> <p style="text-align:right;">Over limits will need PMA</p>													+AT = solution annealed	+NT =		+AR = as rolled	+QT = quenched and tempered		+M = thermo mechanical treated	+S = soft annealed	b = in Directive 2014/68/EU necessary	+N = normalized or normalizing formed	+SR = stress relieved	= If the size of the product is outside the approved scope acc. to the standard, a PMA is requested
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Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" 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 ACEROS ESPECIALES, S.L.U.				PLANTA REINOSA		E	29.03.23	2	TÜV Rheinland Industrie Service GmbH			
Location: E 39200 REINOSA (CANTABRIA)							Rev.:10	of : 5				
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	
					Thick-ness mm		Ø mm					
					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 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.												
8	S 235J2 S-235 JR S 275 JR S 275J2 S 355 J2	1.0117 1.0038 1.0044 1.0145 1.0577	DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2	+N +N +N +N +N	BARS BARS BARS BARS BARS	100 100 100 100 100	230 230 230 230 230				AD 2000 W13 AD 2000 W13 AD 2000 W13 AD 2000 W13 AD 2000 W13	a a a a a
5	P 250 GH P 355 NH	1.0460 1.0565	DIN EN 10273 DIN EN 10273	+N +N	BARS BARS	100 100	150 150				AD 2000 W13 AD 2000 W13	a ,b a ,b
6	25 CrMo4 34 CrNiMo 6 40CrMoV4.6 21 CrMoV 5.7 42 CrMo 4	1.7218 1.6582 1.7711 1.7709 1.7225	DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269 DIN EN 10269	+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	100 100 100 100 100	150 120 160 160 65				AD 2000 W 7 AD 2000 W 7 AD 2000 W 7 AD 2000 W 7 AD 2000 W 7	a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate a,b EN 10204 3-2 certificate
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 b = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested				



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" 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 ACEROS ESPECIALES, S.L.U.			PLANTA REINOSA		E	29.03.23	3	TÜV Rheinland Industrie Service GmbH				
Location: E 39200 REINOSA (CANTABRIA)						Rev.:10	of : 5					
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7	X 6CrNiMoTi 17-12-2	1.4571	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X 2CrNiMo 17-12-2	1.4404	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X 5CrNi 18-10	1.4301	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X 6CrNiTi 18-10	1.4541	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X5CrNiMo 17-12-2	1.4401	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
	X2CrNi18-9	1.4307	DIN EN 10272	+AT	BARS	100	230				AD 2000 W 2	a
Remarks	+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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Manufacturer				Work		Nationality	Date	Page No..				
Company Name: SIDENOR ACEROS ESPECIALES, S.L.U.				PLANTA REINOSA		E	29.03.23	4	TÜV Rheinland Industrie Service GmbH			
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3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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8	B7 L7 B16	ASTM A 193 ASTM A 320 ASTM A 193	+QT +QT +QT	BARS BARS BARS	100 100 100	177,8 65 200						b b b
9	75 K + [AISI 4130]	API6A / ISO 10423 [ASTM A 29]	+QT	BARS	100	230						a
10	S 235J2 1.0117 S-235 JR 1.0038 S 275 JR 1.0044 S 275J2 1.0145 S 355 JR 1.0045 S 355 J2 1.0577	DIN EN 10025 - 2- DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2 DIN EN 10025 - 2	+N+AR +N+AR +N+AR +N+AR +N+AR +N+AR	BARS BARS BARS BARS BARS BARS	100 100 100 100 100 100	230 230 230 230 230 230						a a a a a a
11	F5 K42544 F9 K90941 F11 K 11597 F22 K21590 F91 K90901	ASTM A 182/ ASME SA 182 ASTM A 182/ ASME SA 182 ASTM A 182/ ASME SA 182 ASTM A 182/ ASME SA 182 ASTM A 182/ ASME SA 182	+QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS	100 100 100 100 100	230 230 230 230 230						a a a certificate 3.1 reviewed by NoBo a certificate 3.1 reviewed by NoBo a certificate 3.1 reviewed by NoBo
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 = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested					

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12	34 CrNiMo 6 25 CrMo4 30CrNiMo8 42 CrMo 4 42CrMoS4 41 Cr4	1.6582 1.7218 1.6580 1.7225 1.7227 1.7035	EN ISO 683.2 EN ISO 683.2 EN ISO 683.2 EN ISO 683.2 EN ISO 683.2 EN ISO 683-2	+QT +QT +QT +QT +QT +QT	BARS BARS BARS BARS BARS BARS	100 100 100 100 100 100	230 160 230 230 230 100				a a,b a a a a,b
13	304, 304L 316, 316L, 316Ti 309 H 303	S30400, S30403 S31600 S31603, S31635 S 30909 S 30300	ASTM 479 ASTM 479 ASTM 479 ASTM 479 ASTM 479	+AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS	100 100 100 100 100	76,2 76,2 76,2 76,2 76,2				b b b b b
14	X 8CrNiS 18-9 X 20 Cr 13 X 20 Cr 13 X 6CrNiMoTi 17-12-2 X 2CrNiMo 17-12-2 X 5CrNi 18-10 X 6CrNiTi 18-10 X5CrNiMo 17-12-2	1.4305 1.4021 1.4021 1.4571 1.4404 1.4301 1.4541 1.4401	DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3 DIN EN 10088 - 3	+AT +AT +QT +AT +AT +AT +AT +AT	BARS BARS BARS BARS BARS BARS BARS BARS	100 100 100 100 100 100 100 100	160 160 230 230 230 230 230 230				b b a a a a a a
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 = If the size of the product is outside the approved scope acc. to the standard, a PMA is requested						

