

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 97/23/EC

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

Name and address of the manufacturer:

GERDAU ACEROS ESPECIALES EUROPA, S.L.
Barrio Ugarte s/n
E-48970 BASAURI (BIZKAIA)

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 97/23/EC, Annex I, Par. 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to Directive 97/23/EC:

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

Audit report no.:

E/Q-02 6904

Range of materials:

MANUFACTURER OF STEEL ROLLED (BARS) AND FORGED BARS IN MATERIAL: CARBON, STEEL, ALLOY STEEL, AND STAINLESS STEEL FROM 19 mm Ø TO 1500mmØ, see annex to certificate

Manufacturing plant:

BASAURI – headquarters and plant
E-48970 BASAURI (BIZKAIA)
REINOSA – plant
E-39200 REINOSA (CANTABRIA)
AZKOITIA – plant
E-20720 AZKOITIA (GIPUZKOA)
VITORIA- plant
E- 01013 VITORIA (ARABA)

Valid until:

January 31, 2018

Cologne, June 09, 2014

Dipl.-Ing. Svenja Kreß



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

E-106b-Rev7

www.tuv.com

 **TÜVRheinland®**
Precisely Right.

Certificado

Sistema de aseguramiento de calidad para fabricante de materiales según la Directiva Europea 97/23/EC

Certificado n°:

01 202 E/Q-02 6904

Nombre y dirección del
fabricante:

GERDAU ACEROS ESPECIALES EUROPA, S.L.
Barrio Ugarte s/n
E-48970 BASAURI (BIZKAIA)

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 97/23/EC, Apéndice I, Sección 4.3 para equipos a presión de acuerdo a los materiales listados en el ámbito de aprobación.

Comprobado según la Directiva
97/23/EC:

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

N° del informe del auditor:

E/Q-02 6904

Ámbito de aprobación:

FABRICANTE DE ACERO LAMINADO (BARRAS) Y
FORJADO DE BARRAS EN MATERIAL DE ACERO AL
CARBONO, ALEADO E INOXIDABLE DESDE 19 mm Ø
HASTA 1500mmØ, ver anexo del certificado

Planta de producción:

BASAURI – headquarters and plant
E-48970 BASAURI (BIZKAIA)
REINOSA – plant
E-39200 REINOSA (CANTABRIA)
AZKOITIA – plant
E-20720 AZKOITIA (GIPUZKOA)
VITORIA- plant
E- 01013 VITORIA (ARABA)

Válido hasta:

31 de Enero de 2018

Colonia, 09 de Junio de 2014


Dipl.-Ing. Svenja Kreß



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


E-106b-Rev7

Annex to Certificate No.: 01 202 E/Q 02 6904 01
Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp		
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.				PLANTA BASAURI				E	05.05.2016	1	TÜV Rheinland Industrie Service GmbH		
Location: E 48970 BASAURI									Rev.: 4	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 Requirements Technical Regulations	Remarks		
					Thickness mm		Ø mm						
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
The use of the materials according to DGR 97/23/EC 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	S 235J2 S-235 JR S 275 JR S 275J2 S 355 JR S 355 J2 P 250 GH 16 Mo 3 13 CrMo 44 10 CrMo 9-10 P 355 NH	EN 10025.2-1.0117 EN 10025.2 - 1.0038 EN 10025.2 - 1.0044 EN 10025.2 - 1.0145 EN 10025.2 – 1.0045 EN 10.025.2 – 1.0577 EN 10273 - 1.0460 DIN 17243 1.5415 DIN 17243 1.7335 DIN 17243 1.7380 EN 10273 1.0565	N-AR N-AR N-AR N-AR N-AR N-AR N T T T N	BARS			25	100			AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13		
2	21 CrMoV 5.7 34 CrNiMo 6	EN 10269 1.7709 EN 10083.1 1.6582	QT QT				25	100			AD 2000 – W 7 AD 2000 – W 7		3-2 Certificate

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Manufacturer	Work	Nationality	Date	Page No..	TÜV-Name /Stamp
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.	PLANTA BASAURI	E	05.05.2016	2	TÜV Rheinland Industrie Service GmbH
Location: E 48970 BASAURI			Rev.: 4	of : 3	

	25 CrMo4	EN 10083.1 1.7218	QT	BARS								
	42 CrMo 4	EN 10083.1 1.7225	QT				25	100			AD 2000 – W 7	
	40CrMoV4.6	EN 10269 1.7711	QT				25	100			AD 2000 – W7	
3	X 6CrNiMoTi 17-12-2	EN 10088.3 1.4571	H				25	100			AD 2000– W 2	
	X 2CrNiMo 17-12-2	EN 10088.3 1.4404	H				25	100			AD 2000– W 2	
	X 5CrNi 18-10	EN 10088.3 1.4301	H				25	100			AD 2000– W 2	
	X 6CrNiTi 18-10	EN 10088.3 1.4541	H				25	100			AD 2000– W 2	
	X5CrNiMo 17-12-2	EN 10088.3 1.4401	H				25	100			AD 2000– W 2	
	X2CrNi18-9	EN 10088.3 1.4307	H				25	100			AD 2000– W 2	
	X 8CrNiS 18-9	EN 10088.3 1.4305	H				25	100			AD 2000– W 2	
4	X 20 Cr 13	DIN17440 1.4021	T			25	100				3-2 Certificate	
	1.7258	DIN 17240				25	100				3-2 Certificate	
	1.7218	EN 10269				25	100				3-2 Certificate	
5	B7	ASTM A 193	QT			25	100				PMA is required	
	L7	ASTM A 320	QT			25	100				PMA is required	
	B16	ASTM A 193	QT			25	100				PMA is required	


Annex to Certificate No.: 01 202 E/Q 02 6904 01
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Manufacturer	Work	Nationality	Date	Page No..	TÜV-Name /Stamp
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L. Location: E 48970 BASAURI	PLANTA BASAURI	E	05.05.2016 Rev.: 4	2 of : 3	TÜV Rheinland Industrie Service GmbH

6	75 K + [AISI 4130]	API6A / ISO 10423 [ASTM A 29]	QT				25	100				REQUIRED both requirements (chemical composition and mechanical tests) and further a Particular Material Appraisal
Remarks	*	AT = solution treated	Q T = quenched and tempered	a = material								
		N = Normalized or normalizing formed	NT = normalized and tempered	b = delivery condition								
		S R = stress relieved	S = soft annealed	c = article								
		M = thermo mechanical treated	T = TEMPERED	d = dimensions in tech. regulations								
		A R = not treated	H = HIPERTEMPERED	e = weight								
				f = No. of tech. regulation								




Annex to Certificate No.: 01 202 E/Q 02 6904 03
Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp	
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.				PLANTA REINOSA				E	20.04.2016	1	TÜV Rheinland Industrie Service GmbH	
Location: E 39200 REINOSA (CANTABRIA)									Rev.:4	of : 3		
Cur-	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weig ht max 1=t / 2=kg ↓ Res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
1	2	3	4	5	6a	6b	7a	7b	8	8b	9	10
<p>The use of the materials according to DGR 97/23/EC 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	S 235J2 S-235 JR S 275 JR S 275J2 S 355 JR S 355 J2 P 250 GH 16 Mo 3 13 CrMo 44 10 CrMo 9-10 P 355 NH	EN 10025.2-1.0117 EN 10025.2 - 1.0038 EN 10025.2 - 1.0044 EN 10025.2 - 1.0145 EN 10025.2 – 1.0045 EN 10.025.2 – 1.0577 EN 10273 - 1.0460 DIN 17243 1.5415 DIN 17243 1.7335 DIN 17243 1.7380 EN 10273 1.0565	N-AR N-AR N-AR N-AR N-AR N-AR N T T T N	BARS			100	1500		AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13 AD 2000 – W 13		
2	21 CrMoV 5.7 34 CrNiMo 6	EN 10269 1.7709 EN 10083.1 1.6582	QT QT				100	1500		AD 2000 – W 7 AD 2000 – W 7		3-2 individual recepcion

Manufacturer	Work	Nationality	Date	Page No..	TÜV-Name /Stamp
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Annex to Certificate No.: 01 202 E/Q 02 6904 03
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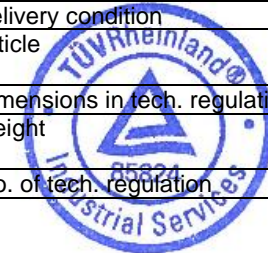
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.	PLANTA REINOSA	E	20.04.2016	2	TÜV Rheinland Industrie Service GmbH
Location E 39200 REINOSA (CANTABRIA)			Rev.:4	of : 3	

	25 CrMo4	EN 10083.1 1.7218	QT	BARS			100	1500		AD 2000 – W 7	
	42 CrMo 4	EN 10083.1 1.7225	QT				100	1500		AD 2000 – W 7	
	40CrMoV4.6	EN 10269 1.7711	QT				100	1500		AD 2000 – W 7	
3	X 6CrNiMoTi 17-12-2	EN 10088.3 1.4571	H				100	220		AD 2000 – W 2	
	X 2CrNiMo 17-12-2	EN 10088.3 1.4404	H				100	220		AD 2000 – W 2	
	X 5CrNi 18-10	EN 10088.3 1.4301	H				100	220		AD 2000 – W 2	
	X 6CrNiTi 18-10	EN 10088.3 1.4541	H				100	220		AD 2000 – W 2	
	X5CrNiMo 17-12-2	EN 10088.3 1.4401	H				100	220		AD 2000 – W 2	
	X2CrNi18-9	EN 10088.3 1.4307	H				100	220		AD 2000 – W 2	
	X 8CrNiS 18-9	EN 10088.3 1.4305	H				100	220		AD 2000 – W 2	
4	X 20 Cr 13	DIN17440 1.4021	T			100	1500			3-2 Certificate	
	1.7258	DIN 17240				100	1500			3-2 Certificate	
	1.7218	EN 10269				100	1500			3-2 Certificate	
5	B7	ASTM A 193	QT			100	1500			PMA is required	
	L7	ASTM A 320	QT			100	1500			PMA is required	
	B16	ASTM A 193	QT			100	1500			PMA is required	


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Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer	Work	Nationality	Date	Page No..	TÜV-Name /Stamp
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.	PLANTA REINOSA	E	20.04.2016	3	TÜV Rheinland Industrie Service GmbH
Location E 39200 REINOSA (CANTABRIA)			Rev.:4	of : 3	

6	75 K + [AISI 4130]	API6A / ISO 10423 [ASTM A 29]	QT				100	1500					REQUIRED both requirements (chemical composition and mechanical tests) and further a Particular Material Appraisal
Remarks	*	AT = solution treated	Q T = quenched and tempered	a = material									
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		S R = stress relieved	S = soft annealed	c = article									
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		A R = not treated	H = HIPERTEMPERED	e = weight									
				f = No. of tech. regulation									




Annex to Certificate No.: 01 202 E/Q 02 6904 02
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Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp	
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.				PLANTA VITORIA				E	15.04.2016	1	TÜV Rheinland Industrie Service GmbH	
Location: E 01013 VITORIA (ARABA)												
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	
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1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
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2	21 CrMoV 5.7 34 CrNiMo 6	EN 10269 1.7709 EN 10083.1 1.6582	QT QT				--	26			AD 2000 – W 7 AD 2000 – W 7	

Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp
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Annex to Certificate No.: 01 202 E/Q 02 6904 04
Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp		
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.				PLANTA AZKOITIA				E	06.04.2016	1	TÜV Rheinland Industrie Service GmbH		
Location: : E 20720 AZKOITIA (GUPUZKOA)									Rev.:4	of : 2			
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		
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2	21 CrMoV 5.7 34 CrNiMo 6	EN 10269 1.7709 EN 10083.1 1.6582	QT QT				19	200			AD 2000 – W 7 AD 2000 – W 7		3-2 individual recepcion

Annex to Certificate No.: 01 202 E/Q 02 6904 04
Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer	Work	Nationality	Date	Page No..	TÜV-Name /Stamp
Company Name: GERDAU ACEROS ESPECIALES EUROPA, S.L.	PLANTA AZKOITIA	E	06.04.2016	2	TÜV Rheinland Industrie Service GmbH
Location: : E 20720 AZKOITIA (GUPUZKOA)			Rev.:4	of : 2	

	25 CrMo4	EN 10083.1 1.7218	QT				19	200			AD2000 – W 7	
	42 CrMo 4	EN 10083.1 1.7225	QT				19	200			AD2000 – W 7	
	40CrMoV4.6	EN 10269 1.7711	QT				19	200			AD 2000 – W7	
3	X 20 Cr 13	DIN17440 1.4021	T				19	200				3-2 Certificate
	1.7258	DIN 17240					19	200				3-2 Certificate
	1.7218	EN 10269					19	200				3-2 Certificate
4	B7	ASTM A 193	QT				19	200				PMA is required
	L7	ASTM A 320	QT				19	200				PMA is required
	B16	ASTM A 193	QT				19	200				PMA is required
6	75 K + [AISI 4130]	API6A / ISO 10423 [ASTM A 29]	QT				19	200				REQUIRED both requirements (chemical composition and mechanical tests) and further a Particular Material Appraisal
Remarks	*	AT =	solution treated	Q	=	quenched and tempered	a	=	material			
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		S	= stress relieved	S	=	soft annealed	c	=	article			
		R										
		M =	thermo mechanical treated	T	=	TEMPERED	d	=	dimensions in tech. regulations			
		A	= not treated	H	=	HIPERTEMPERED	e	=	weight			
		R					f	=	No. of tech. regulation			

