BÖHLER	Quali	fication Tes NORSOK	t Record (QT (M-650	R)	QTR. No.: 006		
EDELSTAHL					Rev. No.: 1		
Manufacturer name/address/ Web page:	Böhler Edelst Mariazellerstr 8605 Kapfenb www.bohler-e	rasse 25 perg, Austria		<u>'</u>			
Reference standard	NORSOK M-65						
Material designation and MDS No.:	MDS D57, Rev	MDS D57, Revision 4, UNS S32750, BEG Brand "A913"					
Manufacturing Summary doc. No.:	A913 00001 A913 00002 A913 00003	A913 00002 001					
Products and manufacturing process(es):	Bars: Rolled and forg	red					
Mandatory conditions and sub-contractors:	Fabrication and Heat treatment	I testing plan acc. in furnace 88 for	to qualification pla rolled bars, furnace	n e 41, 42, 43,	44 for forged bars		
Other information:	ASTM A276-10 ASTM A479-12 MDS D57 Rev. Heat treatment	2	50°C				
Qualification expires:	08/2018						
	The second secon						
	Tested and	qualified th	ickness and	weight			
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pie weigh kg	t weight kg		
manufacturing	Test record	Tested thickness	Qualified thickness	Test pie weigh	t weight		
manufacturing process(es): Rolled bar	Test record No. 394M, 395S 326S, 356M	Tested thickness mm 130 203.2	Qualified thickness mm	Test pie weight kg 	t weight kg		
manufacturing process(es): Rolled bar Forged bar	Test record No. 394M, 395S 326S, 356M Qualifica	Tested thickness mm 130 203.2	Qualified thickness mm	Test pie weight kg 	t weight kg		
manufacturing process(es): Rolled bar Forged bar Manufacturer:	Test record No. 394M, 395S 326S, 356M	Tested thickness mm 130 203.2	Qualified thickness mm	Test pie weight kg ures	t weight kg		
manufacturing process(es): Rolled bar Forged bar Manufacturer:	Test record No. 394M, 395S 326S, 356M Qualification Prepared by/Date G. Einoedhofer (Control of this QTR are	Tested thickness mm 130 203.2 ation/accept	Qualified thickness mm 130 200 tance signation Checked by Market M. Haspel / 1910 und to be in compli	Test pie weight kg ures E:EDELSTA 2-2014ch fan	weight kg FIL GmbH & Co KG agie Energy Fite Griefenerts of		
manufacturing process(es): Rolled bar Forged bar Manufacturer: The manufacturer a NO This acceptance does	Test record No. 394M, 395S 326S, 356M Qualificate Prepared by/Dat G. Einoedhofer // and this QTR are RSOK M-650 for not exempt any po-	Tested thickness mm 130 203.2 ation/accept e: 19.02.2014 evaluated and for supply of the abourchaser from his	Qualified thickness mm 130 200 tance signate Checked by/Data M. Haspel / 1910 und to be in complicated products responsibility to en	Test pie weight kg ures EE:EDELSTAN 2-2014chmen Ancie Will Th	t weight kg		
manufacturing process(es): Rolled bar Forged bar Manufacturer: The manufacturer a NO This acceptance does of	Test record No. 394M, 395S 326S, 356M Qualificate Prepared by/Dat G. Einoedhofer // and this QTR are PRSOK M-650 for not exempt any properties of his products with the content of the products with the content of th	Tested thickness mm 130 203.2 ation/accept e: 19.02.2014 evaluated and for supply of the abourchaser from his ithin the essential	Qualified thickness mm 130 200 tance signate Checked by/Data M. Haspel / 1910 und to be in compliated by listed products	Test pie weight kg LITES EEEDELSTA	t weight kg		

BÖHLER	Qualif	fication Tes NORSOK	t Record (QT M-650		QTR. No.: 007
EDELSTAHL					Rev. No.: 1
Manufacturer name/address/ Web page:	Böhler Edelst Mariazellerstr 8605 Kapfenb www.bohler-e	asse 25 perg, Austria			
Reference standard	NORSOK M-65	50, Edition 4			
Material designation and MDS No.:	MDS R17, Rev	ision 4, UNS S31	254, BEG Brand "/	\965SA"	
Manufacturing Summary doc. No.:	A965SA 0000	14			Rev. No.: 001
Products and manufacturing process(es):	Bars: forged				
Mandatory conditions and sub- contractors:	Fabrication and Heat Treatmen	I testing plan acc. t in furnaces 41-4	to qualification pla 4 for forged bars	an	
Other information:	ASTM A276-10 ASTM A479/A4 MDS R17 Rev. ESR material Heat treatment	179M-12	50°C		
Qualification expires:	08/2018				
Qualification expires.	00/2010				
Quantitution expires.		qualified th	ickness and	weight	
Products and manufacturing		qualified the	Qualified thickness mm	weight Test pied weight kg	
Products and	Tested and	Tested thickness	Qualified thickness	Test pied weight kg	weight
Products and manufacturing process(es):	Tested and Test record No.	Tested thickness mm	Qualified thickness mm	Test pied weight	weight
Products and manufacturing process(es):	Tested and Test record No. 441B, 441M	Tested thickness mm 200	Qualified thickness mm	Test pied weight kg 	weight
Products and manufacturing process(es): Forged bar Manufacturer:	Tested and Test record No. 441B, 441M	Tested thickness mm 200 ation/accep	Qualified thickness mm 200 tance signat Checked by/Da	Test pied weight kg ures te:	weight kg
Products and manufacturing process(es): Forged bar Manufacturer: The manufacturer	Tested and Test record No. 441B, 441M Qualificate Prepared by/Date G. Einoedhofer and this QTR are	Tested thickness mm 200 ation/accep te: 19.02/2014 evaluated and fo	Qualified thickness mm QOO tance signat Checked by QA M. Haspel / 19.00	Test pied weight kg ures te: gpbH (jogie - Energy	weight kg Co KG yellow e requirements of
Products and manufacturing process(es): Forged bar Manufacturer: The manufacturer NC This acceptance does	Tested and Test record No. 441B, 441M Qualificate Prepared by/Date G. Einoedhofer and this QTR are PRSOK M-650 for Not exempt any p	Tested thickness mm 200 ation/accep te: 19.02/2014 evaluated and fo supply of the abourchaser from his	Qualified thickness mm COO tance signat Checked by/Da M. Haspel / 19/0 lechno und to be in completed by listed products responsibility to e	Test pied weight kg ures te: CmbH (Construction of the construction of the constr	weight kg Co KG re requirements of fla is qualification is valid
Products and manufacturing process(es): Forged bar Manufacturer: The manufacturer NC This acceptance does Qualified/Accepted by	Tested and Test record No. 441B, 441M Qualificate Prepared by/Date G. Einoedhofer and this QTR are PRSOK M-650 for not exempt any perfor his products we	Tested thickness mm 200 ation/accep te: 19.02/2014 evaluated and fo supply of the abourchaser from his ithin the essentia	Qualified thickness mm QOO tance signat Checked by Qa M. Haspel / 19.0 und to be in some	Test pied weight kg ures te:	weight kg Co KG re requirements of fla is qualification is vali

BÖHLER	Quali	fication Tes NORSOK	t Record (Q7 (M-650		QTR. No.: 008		
EDELSTAHL					Rev. No.: 0		
Manufacturer name/address/ Web page:	Böhler Edelst Mariazellerstr 8605 Kapfenb www.bohler-e	rasse 25 perg, Austria		·			
Reference standard	NORSOK M-65	50, Edition 4	one all the second seco				
Material designation and MDS No.:	MDS R17, Rev	MDS R17, Revision 5, UNS S31254, BEG Brand "A965SA"					
Manufacturing	A965SA 0000	15			Rev. No.: 000		
Summary doc. No.:	A965SA 0000	16		Į.	Rev. No.: 000		
Products and manufacturing process(es):	Bars: rolled						
Mandatory conditions and sub- contractors:	Fabrication and Furnace 60 for		to qualification pla	ın			
Other information:	ASTM A276-13 ASTM A479/A4 MDS R17 Rev. ESR material Heat treatment	179M-13B	50°C				
Qualification expires:	02/2019		5				
	Tested and	qualified th	ickness and	weight			
		quamies or					
Products and	Test record	Tested	Qualified	Test piec			
manufacturing		Tested thickness	Qualified thickness	Test piec weight	weight		
manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test piec weight kg	weight kg		
manufacturing	Test record	Tested thickness	Qualified thickness	Test piec weight	weight		
manufacturing process(es):	Test record No. 174B, 175BMX	Tested thickness mm 130	Qualified thickness mm	Test piec weight kg 	weight kg 		
manufacturing process(es): Forged bar	Test record No. 174B, 175BMX	Tested thickness mm 130	Qualified thickness mm 136	Test piec weight kg Ures IAHL GmbH &	weight kg 'Co KG		
manufacturing process(es): Forged bar Manufacturer: The manufacturer	Test record No. 174B, 175BMX Qualifica Prepared by/Dat G. Einoedhofer and this QTR are	Tested thickness mm 130 ation/accept e: 19.02/2014 evaluated and for	Qualified thickness mm 136 tance signat BUILER FDELS Checked by Da M. Haspel / 19.0 Mariazel und to be in soon	Test piec weight kg IAHL GmbH & Biogie - Energ 2.2014 Jerstraß 28 anbewith/the	weight kg Co KG		
manufacturing process(es): Forged bar Manufacturer: The manufacturer NC This acceptance does	Test record No. 174B, 175BMX Qualifica Prepared by/Dat G. Einoedhofer and this QTR are DRSOK M-650 for not exempt any pu	Tested thickness mm 130 ation/accept e: 19.02/2014 evaluated and for supply of the abourchaser from his	Qualified thickness mm 135 tance signat Checked by Da M. Haspel / 19.0 Mariazel und to be in compliance listed products responsibility to el	Test piec weight kg IAHL GmbH & Giogie - Energ 2.2014 Jerstraße 28 anberwith/the and materials	weight kg Co KG		
manufacturing process(es): Forged bar Manufacturer: The manufacturer NC This acceptance does	Test record No. 174B, 175BMX Qualificate Prepared by/Date G. Einoedhofer and this QTR are PRSOK M-650 for Not exempt any pure for his products with	Tested thickness mm 130 130 ation/accept e: 19.02/2014 evaluated and for supply of the abourchaser from his ithin the essential /address):	Qualified thickness mm 138 tance signat Checked by Da M. Haspel / 19.0 Wariazel und to be fit so inplies	Test piec weight kg Jres IAHL GmbH & Gorstraße 28 anberwith/the and materials and materials	weight kg Co KG Gy Streguirements of		

Böhler Edelst				
Böhler Edelst				Rev. No.: 0
Mariazellerstr 8605 Kapfent www.bohler-e	asse 25 perg, Austria			
NORSOK M-65	50, Edition 4			
MDS D57 Revi	sion 5, UNS S32	550, BEG Brand "A	926"	
A926 00004 Rev. No.: 000				
			n	
ASTM A479/A4 MDS D57 Rev. ESR material	179M-14 5	60°C		
04/2020				
ested and	qualified th	ickness and	weight	
Test record No.	Tested thickness mm	Qualified thickness mm		
331B, 331M	203,2	200	1230	all
Qualifica	ation/accept	ance signatu	ıres	
epared by/Date	e:	Checked by/Dat	e: //	april 1
t exempt any ρι	ırchaser from his	responsibility to en	sure that thi	
		Signature Date:	-	
		# 6	all's	2
gisk institutt ation AS		10.0	5.2015	
	MDS D57 Revi A926 00004 Bars: forged Fabrication and Furnace 41, 42 ASTM A276-13 ASTM A479/A4 MDS D57 Rev. ESR material Heat treatment 04/2020 ested and Test record No. 331B, 331M Qualification and Expared by/Date Einoedhofer / 2 d this QTR are SOK M-650 for t exempt any publis products will prompany name gisk institute ation AS	Bars: forged Fabrication and testing plan acc. Furnace 41, 42, 43, 44 for forged ASTM A276-13A ASTM A479/A479M-14 MDS D57 Rev. 5 ESR material Heat treatment temperature: 106 04/2020 ested and qualified th Test record No. Tested thickness mm 331B, 331M 203,2 Qualification/accept repared by/Date: Einoedhofer / 21.04.2045 Cot this QTR are evaluated and for SOK M-650 for supply of the about exempt any purchaser from his products within the essential company name /address): gisk Institute ation AS	MDS D57 Revision 5, UNS S32550, BEG Brand "A A926 00004 Bars: forged Fabrication and testing plan acc. to qualification plate Furnace 41, 42, 43, 44 for forged bars ASTM A276-13A ASTM A479/A479M-14 MDS D57 Rev. 5 ESR material Heat treatment temperature: 1060°C 04/2020 ested and qualified thickness and Test record Tested Qualified thickness mm mm 331B, 331M 203,2 200 Qualification/acceptance signature in the product of the second and plate in the second i	MDS D57 Revision 5, UNS S32550, BEG Brand "A926" A926 00004 Bars: forged Fabrication and testing plan acc. to qualification plan Furnace 41, 42, 43, 44 for forged bars ASTM A276-13A ASTM A479/A479M-14 MDS D57 Rev. 5 ESR material Heat treatment temperature: 1060°C 04/2020 ested and qualified thickness and weight Test record No. thickness mm kg 331B, 331M 203,2 200 1230 Qualification/acceptance signatures epared by/Date: Checked by/Date: M. Haspel / 21.04.2015 determined the solution AS Signature Pate: Signature Pa

BÖHLER	Quali	ification Tes	t Record (QT (M-650	ΓR)	QTR. No.: 010
EDELSTAHL					Rev. No.: 0
Manufacturer name/address/ Web page:	Böhler Edels Mariazellerst 8605 Kapfen www.bohler-e	rasse 25			
Reference standard	NORSOK M-6	50, Edition 4			
Material designation and MDS No.:	MDS D57 Rev	ision 5, UNS S328	550, BEG Brand "A	.926"	
Manufacturing Summary doc. No.:	A926 00001				Rev. No.: 001
Products and manufacturing process(es):	Bars: forged				
Mandatory conditions and sub-contractors:			to qualification pla 43, 44 for forged k		
Other information:	ASTM A276/A2 ASTM A479/A4 MDS D57 Rev. Heat treatment	479M-14	60°C		
Qualification expires:	04/2020				
	Tested and	qualified th	ickness and	weight	
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pied weight kg	The state of the s
Forged bar	328S, 328M	177,8	177,8	895	all
	Qualifica	ation/accept	ance signati	ures	,
	Prepared by/Dat G. Einoedhofer /	te:	Checked by/Date M. Haspel / 16.0	te:	and a
The manufacturer a	Prepared by/Dat G. Einoedhofer / and this QTR are	te: 16.04/2015/m evaluated and fou	Checked by/Dat M. Haspel / 16.0 und to be in compli	te: 4.2015 ance with the	
The manufacturer a NO This acceptance does	Prepared by/Dat G. Einoedhofer / and this QTR are RSOK M-650 for not exempt any p	evaluated and for supply of the abourchaser from his	Checked by/Dat M. Haspel / 16.0 und to be in compli- ve listed products responsibility to en	te: 4.2015 ance with the and material	S.
The manufacturer and NO This acceptance does of Qualified/Accepted by	Prepared by/Date G. Einoedhofer / and this QTR are RSOK M-650 for not exempt any p for his products w	te: 16.04/2015/m evaluated and for supply of the abourchaser from his ithin the essential	Checked by/Dat M. Haspel / 16.0 und to be in complive listed products	te: 4.2015 ance with the and material asure that the SOK M-650.	S.

BÖHLER	Quali	ification Tes	t Record (QT KM-650	ΓR)	QTR. No.: 011
EDELSTAHL					Rev. No.: 0
Manufacturer name/address/ Web page:	Böhler Edels Mariazellerst 8605 Kapfen www.bohler-e	rasse 25			
Reference standard	NORSOK M-6	50, Edition 4			
Material designation and MDS No.:	MDS D47, Rev	vision 5, UNS S31	803/S32205, BEG	Brand "A90	3"
Manufacturing Summary doc. No.:	A903 00001 A903 00002 A903 00003				Rev. No.: 001 001 001
Products and manufacturing process(es):	Bars: Rolled and forg	ged			
Mandatory conditions and sub-contractors:	Heat Treatmen	nt Furnace 88 for i	to qualification pla olled bars 43, 44 for forged b		
Other information:	ASTM A479/A Heat Treatmen	479M-16A ot Temperature: 1	060°C		
Qualification expires.	06/2022				
	Tested and	qualified th	ickness and	weight	
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pie weigh kg	
Rolled bar	387S, 378M	130	130	535	all
Forged bar	321S, 321M	203.2	203.2	1115	all
	Qualifica	ation/accept	tance signat	ures	
Manufacturer:	Prepared by/Dat G. Einoedhofer /	te:	Checked by/Dat M. Haspel / 20.0		esul
NO This acceptance does	DRSOK M-650 for not exempt any p	supply of the abourchaser from his	und to be in compli ve listed products responsibility to en variables of NOR	and materia nsure that th	ls.
Qualified/Accepted by			Signature/Date		F

ORSOK M-650

BÖHLER	Qualification Test Record (QTR) NORSOK M-650			ΓR)	QTR. No.: 012
EDELSTAHL					Rev. No.: 0
Manufacturer name/address/ Web page:	W. M. Daniel Edward Street, and British and	rasse 25 berg, Austria edelstahl.com			
Reference standard Material designation and MDS No.:	MDS D57, Revision 5, UNS S32760 BEG Brand "A911SA"				
Manufacturing Summary doc. No.:	A911SA 00007 A911SA 00008 A911SA 00009				Rev. No.:001 001 001
Products and manufacturing process(es):	Bars: Rolled and forged				
Mandatory conditions and sub- contractors:	Heat Treatmer	it Furnace 88 for re	to qualification pla olled bars 43, 44 for forged b		
Other information:	ASTM A479/A479M-16A Heat Treatment Temperature: 1100°C				
Qualification expires:	06/2022				***************************************
	Tested and	qualified th	ickness and	weight	
Products and manufacturing	Test record No.	Tested thickness	Qualified thickness	Test pied	

	Toolea and quanties another and thought						
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight kg	Qualified weight kg		
Rolled bar	9S, 9M	130	130	500	all		
Forged bar	420S, 420M	203.2	200	945	all		

Qualification/acceptance signatures

Manufacturer: Prepared by/Date: Che G. Einoedhofer / 20.04 2017 M. H

HURSOK M-650

Checked by/Date: M. Haspel / 20.04.2017

W. Haspert 20.04.2021 Hoge

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.

This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by (company name /address):

Signature/Date:

30.05.17

BÖHLER	Quali	Qualification Test Record (QTR) NORSOK M-650				
EDELSTAHL					Rev. No.: 0	
Manufacturer name/address/ Web page:	Böhler Edelsi Mariazellersti 8605 Kapfeni www.bohler-e	rasse 25				
Reference standard	NORSOK M-6	50, Edition 4				
Material designation and MDS No.:	MDS D57, Rev	vision 5, UNS S32	550, BEG Brand "/	4926"		
Manufacturing Summary doc. No.:	A926 00002 A926 00003					
Products and manufacturing process(es):	Bars: Rolled					
Mandatory conditions and sub-contractors:		d testing plan acc t Furnace 88 for r	to qualification pla	an		
Other information:	ASTM A479/A4 Heat Treatmen	479M-16A at Temperature: 10	060°C			
Qualification expires:	06/2022					
	Tested and	qualified th	ickness and	weight		
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pie weigh kg		
Rolled bar	389S, 389M	130	130	520	all	
	Qualific	ation/accent	tance signat	Iras		
Manufacturer:	Prepared by/Date G. Einoedhofer /	te: o o	Checked by/Date M. Haspel / 20.0	te: /	Lud .	
The manufacturer						
This acceptance does	not exempt any p	urchaser from his	ve listed products responsibility to en variables of NQRS	nsure that th	is qualification is vali	
Qualified/Accepted b			Signature/Date:		Jac selle	
	W /	V				

NORSOK M-650

BÖHLER	Quali	fication Tes	t Record (Q7 (M-650	ΓR)	QTR. No.: 014	
EDELSTAHL					Rev. No.: 0	
Manufacturer name/address/ Web page:	Böhler Edels Mariazellerst 8605 Kapfen www.bohler-e	rasse 25			'	
Reference standard	NORSOK M-6					
Material designation and MDS No.:	MDS R17, Rev	vision 5, UNS S31	254, BEG Brand "/	A965SA"		
Manufacturing Summary doc. No.:		A965SA 00002 A965SA 00003				
Products and manufacturing process(es):	Bars: Rolled					
Mandatory conditions and sub- contractors:		d testing plan acc	to qualification pla	an		
Other information:	ASTM A479/A4 Heat Treatmen	479M-16A It Temperature: 1	150°C			
Qualification expires:	06/2022			,		
	Tested and	qualified th	ickness and	weight		
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test pie weigh kg		
Rolled bar	363B, 363M	130	130	500	all	
	Qualifica	ation/accept	tance signati	ures		
Manufacturer:	Prepared by/Dat G. Einoedhofer /		M. Haspel / 20.0		Sal	
The manufacturer						
This acceptance does	not exempt any p	urchaser from his	ve listed products responsibility to en variables of NORS	nsure that th		
Qualified/Accepted by			Signature/Date:		Jen	
			00,0	V . V T		

NORSOK M-650