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<u>COCNE</u>	Qualific	ation Test	Record	(QTR)	QTR.	No.:
COOLE		NORSOK	M-650			No.: 1
Manufacturer	COGNE ACCIAI	SPECIALI S.p.a.			TTEV.	1101
name/address/ Web page:	Via Paravera, 16 www.cogne.com		Italy			
Reference standard	NORSOK M-650,	Edition 4				
Material designation and MDS No.:	ASTM A479 UNS	S31803 / S3220	5, M-630 Ed.6	MDS D47 Rev	. 5	
Manufacturing summary doc. No.:	MS 01 Rev. No.: 1					
Products and manufacturing process(es):		Bars, rolled (from Concast billet 🗆 160) and solution annealed. Minimum 20.00 mm thickness and maximum 101.60 mm thickness.				
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce		ng to Manufao	cturing Summa	ary and	l Heat
Other information:	All testing with in-house laboratory. Verification of heat treatment procedure will be repeated within December 201 which may extend validity of QTR up to totally 5 years.					ecember 2015,
Qualification expires:	First QTR was s 2015				alied ur	ntil December
	Tested and	Qualified TI	hickness a	and Weigh	t	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test pie weigh (kg)		Qualified weigh (kg)
Bars rolled and rough peeled	2014044356 +	101.60	101.60	NA		NA
	2014069172					
		ation/Accep				
	Prepared by/Date Varisellaz Massin		Checked by/ Alcamo Ales	Date: sandro – 18/12/	/14	
GNE ACCIAI SPECIALI s.p.a. Via Paravera nº 16 11100 AOSTA	Ramine Vor	inth	offer	soudo Ac	and	)
The manufacturer and the This acceptance doe	supply o s not exempt any pu	of the above listed p	products and ma sponsibility to er	terials. Isure that this qua		
Qualified/Accepte			Signature/Da			
DNV	<ul> <li>GL – Milan Office Maritime</li> </ul>	·		mil-14-	- 104	8
				And four And four Sea	ind to coi	Reviewed mply with -630.54.6 17.118 Find
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	Qualifica		Record (Q	TR) QTR 02	. No.:
		NORSOK	000-11	Rev.	No.: 1
Manufacturer	COGNE ACCIAI	'	1		
name/address/	Via Paravera, 16	– 11100 AOSTA	Italy		
Web page: Reference standard	www.cogne.com NORSOK M-650,	Edition A			
Reference standard	NURSUK M-650,	Edition 4			
Material designation and MDS No.:	_	S31803 / S3220	5, M-630 Ed.6 MD		
Manufacturing summary doc. No.:	MS 02			Rev.	No.: 1
Products and manufacturing process(es):			□ 220*270) and and maximum 14		
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce		ng to Manufacturi	ng Summary and	d Heat
Other information:		eat treatment pr	ory. ocedure will be re R up to totally 5 y		ecember 201
Qualification expires:			14. This QTR rev		ntil December
	Tested and	Qualified Th	nickness and	Weight	
Products and	Test record No.	Tested	Qualified	Test piece	Qualified
manufacturing process(es):		thickness (mm)	thickness (mm)	weight (kg)	weight (kg)
Bars rolled and rough peeled	2014044244	140.00	140.00	NA	NA
i odgir poolod	Qualifica	ation/Accep	tance signat	ures	
Manufacturer:	Prepared by/Date	•	Checked by/Date Alcamo Alessand	:	
GNE ACCIAI SPECIALI s.p.a			•		
Via Paravera nº 16 11100 AOSTA	Panine V-	int	coles	oudio Al	(amo
The manufacturer and	L this QTR are evaluate	d and found to be i	In compliance with the	e requirements of N	ORSOK M-650 fc
	supply o s not exempt any pu	f the above listed p rchaser from his res	roducts and material	s. that this qualificatio	
This acceptance doe	nondiinka iiili		TADIES OF NUKSUK I	1-030.	
-					
Qualified/Accept	ed by (company n		Signature/Date:		
Qualified/Accept			Signature/Date:	i. 11- 2024	1
Qualified/Accept	e <b>d by</b> (company no · GL – Milan Office		Signature/Date:	ic-14-087-	
Qualified/Accept	e <b>d by</b> (company no · GL – Milan Office		Signature/Date:	ii - 14 - 087- Witnessed I And found to com	Reviewed ply with

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COGNE	Qualifica	ation Test	Recor	d ( Q1		QTR. No.:	
COOILE		NORSOK				03 Rev. No.:	1
Manufacturer name/address/ Web page:	COGNE ACCIAI Via Paravera, 16 www.cogne.com	SPECIALI S.p.a.	Italy			<u>1160. NO</u>	1
Reference standard	NORSOK M-650,	Edition 4					
Material designation and MDS No.:	ASTM A479 UNS	S31803 / S3220	5, M-630 E	d. 6 MDS	S D47 Rev. 8	5	
Manufacturing summary doc. No.:	MS 03				1	Rev. No.:	1
Products and manufacturing process(es):		nmer or Press ) fr 1 mm thickness	•				
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce	testing accordin edures.	g to Manu	ifacturin	g Summary	y and Hea	at
Other information:	Verification of h	n-house laborato eat treatment pro nd validity of QT	ocedure w	rill be rep tally 5 ve	peated with ears.	nin Decen	nber 2015,
Qualification expires:		signed in July 20				ed until D	ecember
	<b>Tested and</b>	<b>Qualified Th</b>	nicknes	s and	Weight		
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualifi thickne (mm	ess	Test piece weight (kg)	e Qua	lified weight (kg)
Bars forged and rough peeled	2014069190	330	330	)	NA		NA
	Qualific	ation/Accep	tance s	ignatu	ires		
Manufacturer:	Prepared by/Date Varisellaz Massin	:	Checked	by/Date:			
COGNE ACCIAI SPECIALI s.							
Via Paravera n° 16 11100 AOSTA	Ramine V-	· H	A	enou	die	lans	
The manufacturer and This acceptance doe	supply o s not exempt any pu	of the above listed p	roducts and ponsibility to	materials. S ensure ti	hat this qualifi		
Qualified/Accepte	· GL – Milan Office		Signature			,	
	Maritime			OR SKE L	14 - 1048 And found to No.RSex Date:	Reviewed comply with M-630 E 4/12/18 Ein	e. 6
				Det	Norske Ve MILAN	eritas	

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< COGNE>	Qualification Test Record (QTR)				) QTR 04	2. No.:
		NORSOK	M-650	)	Rev.	No.: 1
Manufacturer name/address/ Web page:	COGNE ACCIAI S Via Paravera, 16 - www.cogne.com		Italy			
Reference standard	NORSOK M-650,	Edition 4				
Material designation and MDS No.:	ASTM A479 UNS	S32760, M-630 I	Ed.6 MDS	8 D57, Rev. 5		
Manufacturing summary doc. No.:	MS 04				Rev.	No.: 1
Products and manufacturing process(es):	Bars, rolled (from Minimum 20.00			·		
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce		ng to Man	ufacturing Su	mmary an	d Heat
Other information:	All testing with in Verification of he which may exter	eat treatment pr	ocedure			December 201
Qualification expires:	First QTR was s 2015					intil December
	Tested and	Qualified Th	nicknes	ss and We	ight	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qual thicki (mi	ness v	st piece veight (kg)	Qualified weight (kg)
Bars rolled and peeled	2014044358	101.60	101	.60	NA	NA
poolou	Qualifica	tion/Accep	tance s	signatures		
Manufacturer:	Prepared by/Date: Varisellaz Massim			d by/Date: Alessandro – 1	2/11/14	
IGNE ACCIAI SPECIALI s.p.a		0 - 12/11/14	Alcanto		2/11/14	
Via Paravera n° 16 11100 AOSTA	Ressime V.	A	0	lessondi	ela	omo
The manufacturer and t		d and found to be i f the above listed p			rements of N	IORSOK M-650 f
This acceptance doe	s not exempt any pur		sponsibility	to ensure that th	is qualificatio	on is valid for his
Qualified/Accepte			Signatur			
	Maritime			Mil-14-1	and the second data and th	
				And for Boa	tnessed $\Im$ Repound to comply RSOK $M = 0$ $2 \ge 14 = 12$	y with 550. ] 1 &
				Sig.:./	BEIN OF	20 m ts t
					ske Verita: ILAN	5

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COGNE	Qualifica	ation Test NORSOK	Record(Q M-650	TR)	QTR. No.: 05
0.		NOROOK			Rev. No.: 1
Manufacturer name/address/	COGNE ACCIAI Via Paravera, 16 www.cogne.com		Italy		
Web page: Reference standard	NORSOK M-650,	Edition 4			
Marka vial da sinu stisu		000700 M 000 F			
Material designation and MDS No.:		S32760, M-630 E	Ed.6 MDS D57, Re	ev. 5	
Manufacturing summary doc. No.:	MS 05				Rev. No.: 1
Products and manufacturing process(es):			jots) and solutic and maximum 25		
process(00).				0.00 mm a	lickness.
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce		g to Manufacturir	ng Summar	ry and Heat
Other information:		eat treatment pro			hin December 2015,
Qualification expires:					ied until December
	Tested and	Qualified Th	nickness and	Weight	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piec weight (kg)	
Bars forged and rough peeled	2014044361	250.00	250.00	NA	NA
	Qualifica	ation/Accep	tance signat	ures	
Manufacturer:	Prepared by/Date		Checked by/Date		
COGNE ACCIAI SPECIALI S	Varisellaz Massim	0 – 12/11/14	Alcamo Alessano	lro – 12/11/1	4
Via Paravera nº 16 11100 AOSTA		h A	Alesso	udico	Heenio
The manufacturer and			n compliance with the roducts and material		ts of NORSOK M-650 for
This acceptance doe	es not exempt any pu	rchaser from his res		that this qual	ification is valid for his
Qualified/Accepte			Signature/Date:		- 1
			ORSKE L	m	Reviewed
			1864	Date: 201	c M-650 4/12/18 N obo M181'A

COGNE	Qualifica	ation Test NORSOK	Record ( QT		QTR. No.: 06
	<b>Tables</b>		000-11	1	Rev. No.: 1
Manufacturer name/address/	COGNE ACCIAI Via Paravera, 16		Italy		
Web page:	www.cogne.com	- 11100 AUSTA	lidiy		
Reference standard	NORSOK M-650,	Edition 4			
Material designation and MDS No.:	ASTM A479 UNS	S32750, M-630 E	Ed.6 MDS D57 Rev.	5	
Manufacturing summary doc. No.:	MS 06			1	Rev. No.: 1
Products and manufacturing process(es):			ots)and solution and maximum 200		ickness.
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce	•	g to Manufacturing	g Summary	/ and Heat
Other information:		eat treatment pr			in December 2015
Qualification expires:	First QTR was s 2015	igned in July 20	14. This QTR revis	sion is valie	ed until December
	<b>Tested and</b>	Qualified Th	ickness and	Weight	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Bars forged and rough peeled	2014044362	200.00	200.00	NA	NA
	Qualifica	ation/Accep	tance signatu	res	
Manufacturer:	Prepared by/Date		Checked by/Date:		
COGNE ACCIAI SPECIALI S	Varisellaz Massin	no – 12/11/14	Alcamo Alessandro	o – 12/11/14	4
Via Paravera nº 1 11100 AOSTA	-	ill	Alessen	duc	licuio
The manufacturer and				requirements	of NORSOK M-650 for
This acceptance doe	es not exempt any pu	rchaser from his res	roducts and materials. ponsibility to ensure th iables of NORSOK M-		ication is valid for his
Qualified/Accept DNV	<b>ed by</b> (company n GL – Milan office		Signature/Date:	000.	
	Maritime		mil	- 14 - 08	74
			PSKE S	Witnesse	d 🗹 Reviewed
1728				ی م£ ∧ γ γ گ Date: Sig.:ß∈ י	o comply with k m-650 14/12/18 N obo MASIA
			De	t Norske MILAN	

cogne	Qua	QTF lification T		d	QTR. No.: 07
~		NORSOK	M-650		Rev. No.: 1
Manufacturer name/address/ Web page:	COGNE ACCIAI Via Paravera, 16 www.cogne.com		Italy		
Reference standard	NORSOK M-650	Ed. 4			
Material designation and MDS No.:	ASTM A479 UNS	S S31254, M-630 I	Ed.6 MDS R17 F	Rev. 5	
Manufacturing summary doc. No.:	MS 07				Rev. No.: 0
Products and manufacturing process(es):	Bars rolled ( fro Minimum 20.00	m ingots) and s mm thickness a			ckness.
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce		ng to Manufactu	ring Summar	y and Heat
Other information:	All testing with i Verification of h which may exte	eat treatment pr	ocedure will be		nin December 2015,
Qualification exspires					ed until December
	<b>Tested and</b>	Qualified Th	nickness an	d Weight	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	e Qualified weight (kg)
Bars rolled and peeled	2014044366	101.60	101.60	NA	NA
	Qualifica	ation/Accep	tance signa	atures	- Income
Manufacturer:	Prepared by/Date		Checked by/Da		
COGNE ACCIAI SPECIALI s.p	Varisellaz Massin	no – 12/11/14	Alcamo Alessa	ndro – 12/11/1	4
Via Paravera n° 16 11100 AOSTA	Ram V	A	desig	udio	iomo
	supply o s not exempt any pu	of the above listed p	roducts and mater ponsibility to ensu	ials. re that this qualif.	s of NORSOK M-650 for ication is valid for his
Qualified/Accepte		ame/address):	Signature/Date		
	Maritime		1.00	miz-14-0	1874
			DET NO	And found	ed $\mathfrak{L}$ Reviewed to comply with $m \sim 6.50$
			/	Date:	1 <u>4/12/18</u> 1 <del>1 obe</del> mAsi A Veritas

COGNE	Qual	QTF lification T	R est Record	08	ΓR. No.:
		NORSOK	M-650	Re	ev. No.: 1
Manufacturer name/address/ Web page: Reference standard	COGNE ACCIAL Via Paravera, 16 www.cogne.com NORSOK M-650	– 11100 AOSTA	Italy		
Material designation and MDS No.;	ASTM A479 UNS	S31254, M-630	Ed.6 MDS R17 Re	ev. 5	
Manufacturing summary doc. No.:	MS 08			Re	ev. No.: 1
Products and manufacturing process(es):			ots ) and solution and maximum 25		kness.
Mandatory conditions and sub- contractors:	Fabrication and Treatment proce		ng to Manufacturi	ng Summary a	and Heat
Other information:		eat treatment pr	ory. ocedure will be re R up to totally 5		December 2015
Qualification exspires	First QTR was s 2015	igned in July 20	14. This QTR rev	vision is valied	until December
	Tested and	Qualified TI	nickness and	Weight	
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weigh (kg)
Bars forged and rough peeled	2014044248	250.00	250.00	NA	NA
	Qualifica	ation/Accep	tance signat	ures	3821.84
Manufacturer:	Prepared by/Date Varisellaz Massim		Checked by/Date Alcamo Alessand		
COGNE ACCIAI SPECIALIS. Via Paravera nº 16 11100 AOSTA		LA	Hessen	idio Ili	ous
The manufacturer and This acceptance doe	supply c s not exempt any pu	of the above listed p rchaser from his rea	roducts and material	ls. that this qualifica	
Qualified/Accepte		ame/address):	Signature/Date:	iz-14-08	74
				And found to co	omply with M ∽ G.S.Q.
				Date:2.04.4. Sig6E.i.M. Det Norske Ve MILAN	obo MASIA