




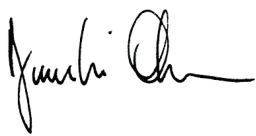














	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:1	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S31803 - UNS S32205 NORSOK M-630, Ed. 7, MDS D47 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS01)				Rev. No. 0	
Products and manufacturing process(es):	Bars for machining of components without welding ends Machined round bars up to 101.6mm or black bars up to 105mm. Square bloom continuous casting + Hot rolling + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1 and Gadda F2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot rolled, solution annealed and machined round bars	2019051811	105 mm	105 mm	412	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024 			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:11:25 +01'00'			




	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:2	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S32760 NORSOK M-630, Ed. 7, MDS D57 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS05)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 101.6mm or black bars up to 105mm. Square bloom continuous casting/ingot casting + Hot rolling + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1 and Gadda F2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot rolled, solution annealed and machined round bars from CC bloom.	2019051780	105 mm	105 mm	422	All	
Hot rolled, solution annealed and machined round bars from ingot.	2019051814	105 mm	105 mm	415	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024 			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:16:10 +01'00'			




	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:3	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S32750 NORSOK M-630, Ed. 7, MDS D57 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref.MS08)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 101.6mm or black bars up to 105mm. Ingot casting + Hot rolling + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1 and Gadda F2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot rolled, solution annealed and machined round bars	2019051812	105 mm	105 mm	451	All	
	2019051813	105 mm	105 mm	410	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024 			
The manufacture QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:19:48 +01'00'			




	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:4	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S31254 NORSOK M-630, Ed. 7, MDS R17 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS11)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 101.6mm or black bars up to 105mm. Ingot casting + Hot rolling + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1 and Gadda F2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot rolled, solution annealed and machined round bars	2019051955	105 mm	105 mm	448	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:22:06 +01'00'			

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:5	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S32750 NORSOK M-630, Ed. 7, MDS D57 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS10)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 250mm or black bars up to 265mm. Ingot casting + hot forging + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on ELTI2 furnace					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot forged, solution annealed and machined round bars	2019065030	265mm	265mm	2756	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024			
The manufacture QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:24:21 +01'00'			

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:6	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S31254 NORSOK M-630, Ed. 7, MDS R17 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS13)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 250mm or black bars up to 265mm. Ingot casting + Hot forging + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on ELTI2 furnace					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot rolled, solution annealed and machined round bars	2019065032	265 mm	265 mm	2815	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024			
<p>The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.</p>						
Qualified/Accepted by (company name/address):			Signature/Date:			
DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			 Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:26:26 +01'00'			

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:7	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S32760 NORSOK M-630, Ed. 7, MDS D57 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS07)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 304.8mm or black bars up to 325mm. Ingot casting + Hot forging + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1 and Gadda F2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot forged, solution annealed and machined round bars from ingot.	2019065028	325mm	325mm	2769	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:28:36 +01'00'			

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:8	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S31803 – UNS S32205 NORSOK M-630, Ed. 7, MDS D47 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS03)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 140mm or black bars up to 148mm. Continuous casting bloom + Hot Rolling + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1, Gadda F2, SOTTRI3, ELTI2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot forged, solution annealed and machined round bars from ingot.	2019065034	148mm	148mm	642	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:30:42 +01'00'			

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:9	
					Rev. No.: 3	
Manufacturer name/address/ Web page:	COGNE ACCIAI SPECIALI S.p.a. Via Paravera, 16 – 11100 AOSTA Italy www.cogne.com					
Reference standard	NORSOK M-650, Edition 4					
Material designation and MDS No.:	ASTM A479 - UNS S31803 – UNS S32205 NORSOK M-630, Ed. 7, MDS D47 rev. 6					
Manufacturing summary doc. No.:	PQ_x_NORSOK_Ed.12 (Ref. MS04)				Rev. No. 0	
Products and manufacturing process(es):	Machined round bars up to 355.6mm or black bars up to 386mm. Ingot casting + Hot forging + Solution Annealing					
Mandatory conditions and sub-contractors:	Heat treatment performed on Gadda F1, Gadda F2, SOTTRI3, ELTI2 furnaces					
Other information:	All tests performed at in-house labs.					
Qualification expires:	09/2029					
Tested and Qualified Thickness and Weight						
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)	
Hot forged, solution annealed and machined round bars from ingot.	201908863	386mm	386mm	4830	All	
Qualification/Acceptance signatures						
Manufacturer:	Prepared by/Date: E. Balducci Laboratory Manager 19/09/2024 		Checked by/Date: D. Olivero Quality & Research Director 19/09/2024			
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 Edition 4 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 Edition 4.						
Qualified/Accepted by (company name/address): DNV Materials Advisory - Energy Systems Veritasveien 1 1363 Høvik Norway			Signature/Date:  Digitally signed by Fredrik Rosenqvist Date: 2024.12.17 17:33:46 +01'00'			