



QUALIFICATION TEST RECORD (QTR) NORSOK M-650



QTR No.: FN02
Rev No.: 05

Manufacturer Name/address:	FORGE NICROMO SpA Via Provinciale 57, 23813 Bindo di Cortenova (LC)
Reference standard:	Norsok M-650, Edition 4
Material designation and MDS No.:	ASTM A182 F51; Norsok M-630:2020; MDS D44 Rev 6 / MDS DH44 Rev 1
Manufacture summary doc. No.:	MS002-FR Rev.6 (Forged Ring) / MS002-FRR Rev.6 (Forged and Rolled Ring) / MS002-FD Rev.5 (Forged Disc)
Products and manufacturing process:	Open die forging ring, discs and forged ad rolled ring
Mandatory conditions and sub-contractors	- Steelmaker: Italfond SpA and Cogne S.p.A (or base material already Norsok qualified) - Forging shall be rough machined prior to quality heat treatment (only if required by customer) - Heat treatment by: Forge Nicromo SPA (TT2-TT3) / Sorbit srl (furnace 10/2) - All tests performed by: SMT srl or Sigma Tre Lab or OMECO .
Other informations:	-NDE and pickling are not performed by Forge Nicromo Spa (if request UT can be performed according proc. UT-Norsok R. 2) - QTR Rev. 2 Revised to include M-630: 2020 - Heat treatment verification has been carried out ref. report signed 21.05.2019
Qualification expires	May 2024



Tested and qualified thickness and weight

Products and manufacturing process:	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight Kg	Qualified weight Kg
Forged ring	PN136/19 PN267/19	350	≤ 350	>250	all
Forged disc	PN137/19 PN267/19	350	≤ 350	>250	all
Forged and rolled ring	PN138/19 PN267/19	350	≤ 350	>250	all

Qualification/acceptance signature

Manufacturer: FORGE NICROMO SpA VIA PROVINCIALE 57 23813 BINDO DI CORTENOVA LC	Prepared by/ Date: D. Frigerio 12/09/2019 R.05 - 14/12/2023 	Checked by/Date: S. Cerletti 12/09/2019 R.05 - 14/12/2023 
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The manufacturer and this QTR have been evaluated and found to be in compliance with the requirements of NORSOK M650 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: AKER SOLUTIONS  AkerSolutions Fomebu, Norway NO 929 877 950 VAT	Signature/Date:  20/12/2023
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QUALIFICATION TEST RECORD (QTR) NORSOK M-650



QTR No.: FN03
Rev No.: 05

Manufacturer Name/address:	FORGE NICROMO SpA Via Provinciale 57, 23813 Bindo di Cortenova (LC)
Reference standard:	Norsok M-650, Edition 4
Material designation and MDS No.:	ASTM A182 F51 / ASTM A479 UNS S31803; Norsok M-630:2020: MDS D47 Rev 6 / MDS D44 Rev 6 / MDS DH44 Rev 1
Manufacture summary doc. No.:	MS003-FB Rev.6
Products and manufacturing process:	Open die forged bar (round / square)
Mandatory conditions and sub-contractors	- Steelmaker: Italfond SpA and Cogne S.p.A (or base material already Norsok qualified) - Forging shall be rough machined prior to quality heat treatment (only if required by customer) - Heat treatment by: Forge Nicromo SPA (TT2-TT3) / Sorbit srl (furnace 10/2) - All tests performed by: SMT srl or Sigma Tre Lab or OMECO.
Other informations:	-NDE and pickling are not performed by Forge Nicromo Spa (if request UT can be performed according proc. UT-Norsok R. 2) - QTR Rev. 2 Revised to include M-630: 2020 - Heat treatment verification has been carried out ref. report signed 21.05.2019
Qualification expires	May 2024



Tested and qualified thickness and weight

Products and manufacturing process:	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight Kg	Qualified weight Kg
Forged Bar / Square	PN139/19 PN267/19	350	≤ 350	>250	all

Qualification/acceptance signature

Manufacturer: FORGE NICROMO SpA VIA PROVINCIALE 57 23813 BINDO DI CORTENOVA LC	Prepared by/ Date: D. Frigerio 12/09/2019 R.05 - 14/12/2023 	Checked by/Date: S. Cerletti 12/09/2019 R.05 - 14/12/2023 
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The manufacturer and this QTR have been evaluated and found to be in compliance with the requirements of NORSOK M650 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: AKER SOLUTIONS  Fornebu, Norway NO 929 877 950 VAT	Signature/Date:  20/12/2023
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