



## QUALIFICATION TEST RECORD (QTR) NORSOK M-650



QTR No.: FN04  
Rev No.: 03

<b>Manufacturer Name/address:</b>	FORGE NICROMO SpA Via Provinciale 57, 23813 Bindo di Cortenova (LC)
<b>Reference standard:</b>	Norsok M-650, Edition 4 / Norsok M-630: 2020
<b>Material designation and MDS No.:</b>	ASTM A182 F55; Norsok M-630: 2020; MDS D54 Rev 6 / MDS DH54 Rev 1
<b>Manufacture summary doc. No.:</b>	MS004-FR Rev.6 (Forged Ring) / MS004-FRR Rev.6 (Forged and Rolled Ring) / MS004-FD Rev.5 (Forged Disc)
<b>Products and manufacturing process:</b>	Open die forging ring, discs and forged and rolled ring
<b>Mandatory conditions and sub-contractors</b>	- 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) - All tests performed by: SMT srl or Sigma Tre Lab or OMECO.
<b>Other informations:</b>	NDE and pickling are not performed by Forge Nicromo Spa (if request UT can be performed according proc. UT-Norsok R. 2)
<b>Qualification expires</b>	<b>June 2026</b>

### 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	PN365/20	350	≤ 350	>250	all
Forged disc	PN367/20	350	≤ 350	>250	all
Forged and rolled ring	PN366/20	350	≤ 350	>250	all

### Qualification/acceptance signature

<b>Manufacturer:</b>  FORGE NICROMO SpA VIA PROVINCIALE 57 23813 BINDO DI CORTENOVA LC	<b>Prepared by/ Date:</b>  D. Frigerio – 18/06/2021 <b>R.03 – 14/12/2023</b>  	<b>Checked by/Date:</b>  S. Cerletti – 18/06/2021 <b>R.03 – 14/12/2023</b>  
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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

<b>Qualified/Accepted by:</b>  AKER SOLUTIONS   <b>Aker Solutions</b> Fomebu, Norway NO 929 877 950 VAT	<b>Signature/Date:</b>   20/12/2023
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# QUALIFICATION TEST RECORD (QTR) NORSOK M-650



QTR No.: FN05  
Rev No.: 03

<b>Manufacturer Name/address:</b>	FORGE NICROMO SpA Via Provinciale 57, 23813 Bindo di Cortenova (LC)
<b>Reference standard:</b>	Norsok M-650, Edition 4 / Norsok M-630: 2020
<b>Material designation and MDS No.:</b>	ASTM A182 F55 / ASTM A479 UNS S32760; Norsok M-630 :2020; MDS D57 Rev 6 / MDS D54 Rev 6 / MDS DH54 Rev 1
<b>Manufacture summary doc. No.:</b>	MS005-FB Rev.6
<b>Products and manufacturing process:</b>	Open die forged bar (round / square)
<b>Mandatory conditions and sub-contractors</b>	- 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) - All tests performed by: SMT srl or Sigma Tre Lab or OMECO.
<b>Other informations:</b>	NDE and pickling are not performed by Forge Nicromo Spa (if request UT can be performed according proc. UT-Norsok R. 2)
<b>Qualification expires</b>	June 2026



### 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	PN368/20	350	≤ 350	>250	all

### Qualification/acceptance signature

<b>Manufacturer:</b> FORGE NICROMO SpA VIA PROVINCIALE 57 23813 BINDO DI CORTENOVA LC	<b>Prepared by/ Date:</b> D. Frigerio - 18/06/2021 R.03 - 14/12/2023 	<b>Checked by/Date:</b> S. Cerletti - 18/06/2021 R.03 - 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

<b>Qualified/Accepted by:</b> AKER SOLUTIONS  Fornebu, Norway NO 929 877 950 VAT	<b>Signature/Date:</b> 20/12/2023 
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