

	<b>Qualification Test Record (QTR) NORSOK M-650</b>				<b>QTR. No.:</b> <b>QTR-OMBA-F51</b>
					<b>Rev. No.:</b> <b>4</b>
<b>Manufacturer name/address/ Web page:</b>	Ire-Omba S.p.A. Via C. Serassi, 14 – Bergamo Via Cà Bertoncina, 12 – Seriate		For forging and Heat treatment For forging		
<b>Reference standard</b>	NORSOK M-650, Edition 4				
<b>Material designation and MDS No.:</b>	ASTM A182 Gr. F51/F60; MDS D44 Rev. 6				
<b>Manufacturing Summary doc. No.:</b>	MS-01 F51			<b>Rev. No.:</b> 2	
<b>Products and manufacturing process(es):</b>	Products: Rolled rings Manufacturing process: hot forging – press forging and final ring rolling				
<b>Mandatory conditions and sub-contractors:</b>	Heat treatment by: Ire-Omba S.p.A. - Bergamo plant – Furnace n° 1 and 5 Steelmakers: Cogne Acciai Speciali SpA – Italfond SpA - Outokumpu Stainless AB Test laboratory: AQM Srl, Cpm Apave Italia Srl or IRElab (internal Ire-Omba SpA lab.)				
<b>Other information:</b>	MOM 08.11.2021 (Pibiviesse – Ire-Omba) & MOM 19.11.2021 (Pibiviesse – Ire-Omba) Verification of heat treatment procedure using furnace n°1 performed on 11.04.2016 Verification of heat treatment procedure using furnace n°5 performed on 15.11.2016 PT and pickling to be performed by Equipment customer.				
<b>Qualification expires:</b>	November 2026				
<b>Tested and qualified thickness and weight</b>					
<b>Products and manufacturing process(es):</b>	<b>Test record No.</b>	<b>Tested thickness mm</b>	<b>Qualified thickness mm</b>	<b>Test piece weight kg</b>	<b>Qualified weight kg</b>
Rolled rings	83772	110	120	235	470
<b>Qualification/acceptance signatures</b>					
<b>Manufacturer:</b> IRE-OMBA S.p.A.	<b>Prepared by/Date:</b> Marco Zanetti (UT) 19.11.2021 		<b>Checked by/Date:</b> Alessandra Lissignoli (RCQ) 19.11.2021 		
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.					
<b>Qualified/Accepted by (company name /address):</b> 			<b>Signature/Date:</b>  Corrado Annovazzi Operations Director 19.11.2021		