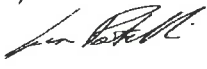

	Qualification Test Record (QTR) NORSOK M-650		QTR. No.: QTR-OMBA-F51
			Rev. No.: 3
Manufacturer name/address/ Web page:	Ire-Omba S.p.A. Via C. Serassi, 14 – Bergamo Via Cà Bertoncina, 12 – Seriate		For forging and Heat treatment For forging
Reference standard	NORSOK M-650, Edition 4		
Material designation and MDS No.:	ASTM A182 Gr. F51/F60; MDS D44 Rev. 5		
Manufacturing Summary doc. No.:	MS-01 F51	Rev. No.: 1	
Products and manufacturing process(es):	Products: Rolled rings Manufacturing process: hot forging – press forging and final ring rolling		
Mandatory conditions and sub-contractors:	Heat treatment by: Ire-Omba S.p.A. - Bergamo plant – Furnace n°1 Steelmakers: Cogne Acciai Speciali S.p.A.– Italfond S.p.A. – Acciaierie Valbruna S.p.A. Test laboratory: AQM (ITALY) or CPM APAVE ITALIA (ITALY)		
Other information:	MOM 14.10.2015 (Statoil – Pibiviesse) Verification of heat treatment procedure using furnace n°1 performed on 11.04.2016 PT and pickling to be performed by Equipment customer. MOM 11.04.2016 (Statoil – Pibiviesse)		
Qualification expires:	November 2021		


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
Rolled rings	83772	110	120	235	470

Qualification/acceptance signatures

Manufacturer: IRE-OMBA S.p.A.	Prepared by/Date: Luca Patelli (UT) 23.06.2016 	Checked by/Date: Alessandra Lissignoli (RCQ) 24.06.2016 
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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.

Qualified/Accepted by (company name /address): PIBIVESSE S.r.l. A CIRCOR INTERNATIONAL COMPANY Via Bergamina, 24 20014 Nerviano (MI) ITALY	Signature/Date:  A. Lampo G. HSE Manager 22/4/2016
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20014 Nerviano (MI) ITALY