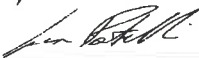

	<b>Qualification Test Record (QTR)</b> <b>NORSOK M-650</b>		QTR. No.: <b>QTR-OMBA-F55</b>
			Rev. No.: <b>3</b>
<b>Manufacturer name/address/ Web page:</b>	Ire-Omba S.p.A. Via C. Serassi, 14 – Bergamo Via Cà Bertoncina, 12 – Seriate		For forging and Heat treatment For forging
<b>Reference standard</b>	NORSOK M-650, Edition 4		
<b>Material designation and MDS No.:</b>	ASTM A182 Gr. F55; MDS D54 Rev. 5		
<b>Manufacturing Summary doc. No.:</b>	MS-01 F55	Rev. No.: 1	
<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 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)		
<b>Other information:</b>	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)		
<b>Qualification expires:</b>	November 2021		


**Tested and qualified thickness and weight**

<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	84009	120	120	325	All

**Qualification/acceptance signatures**

<b>Manufacturer:</b> IRE-OMBA S.p.A.	<b>Prepared by/Date:</b> Luca Patelli (UT) 23.06.2016 	<b>Checked by/Date:</b> 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.*

<b>Qualified/Accepted by (company name /address):</b>  <b>PIBIVIESSE S.r.l.</b> A CIRCOR INTERNATIONAL COMPANY Via Bergamina, 24 20014 Nerviano (MI) ITALY	<b>Signature/Date:</b>   Q-HSE Manager 22/4/2016
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