


	<b>Qualification Test Record (QTR) NORSOK M-650</b>		QTR. No.: Gr4A VERTICAL CENTRICAST
			Rev. No.:7
<b>Manufacturer name/address/ Web page:</b>	Fondinox S.p.A – via Marconi 42/48 – Sergnano - ITALY ph: 0039 0373 45651 / fax: 0039 0373 455100 / email: fondinox@fondinox.com		
<b>Reference standard</b>	NORSOK M-650, Edition 4		
<b>Material designation and MDS No.:</b>	ASTM A995 Gr4A MDS D46 REV.5		
<b>Manufacturing Summary doc. No.:</b>	A995 Gr4A VERTICAL CENTRICAST	Rev. No.:6	
<b>Products and manufacturing process(es):</b>	VERTICAL CENTRICAST		
<b>Mandatory conditions and sub-contractors:</b>	<ul style="list-style-type: none"> <li>Heat treatments in furnaces Sofind, Felind and Ferré</li> <li>Material testing by ELEMENT MATERIALS TECHNOLOGY MILAN S.R.L. or FONDINOX in-house laboratory (as per activity no. 15 of relevant MS)</li> </ul>		
<b>Other information:</b>	Changes from previous Edition: <ul style="list-style-type: none"> <li>Re-qualified without testing</li> <li>Changed denomination of product from "CENTRICAST BALLS" to "VERTICAL CENTRICAST", with no changes in essential variables</li> <li>General revision including requirements of ISO 17781:2017 and ISO 17782:2018</li> </ul>		
<b>Qualification expires:</b>	03/2024		

**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
CENTRICAST BALL	60016	200	200	1100	ALL
VERTICAL CENTRICAST RING	97163	200	200	400	ALL

**Qualification/acceptance signatures**

<b>Manufacturer:</b>	<b>Prepared by/Date:</b> S. MORINI – 15/03/19 	<b>Checked by/Date:</b> G ROCCA – 15/03/19 
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> VAUTSUA VITAS DIVISION VIA SOASTENE 24 - 36040. BRENDA VICENZA ITALY	<b>Signature/Date:</b>  15.03.2019 F. MENIN 