

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.: IMO 06-51
					Rev. No.: 2
Manufacturer name/address/ Web page:	Industria Metallurgica ODOBEZ s.r.l. Via Degli Aceri, 17 – 23818 Pasturo (LC) – Italy http://www.odobez.com				
Reference standard	NORSOK M-650, Edition 4				
Material designation and MDS No.:	ASTM A182 F51 – UNS S31803 - MDS D44, Revision 6.				
Manufacturing Summary doc. No.:	FRO-02-51			Rev. No.: 4	
Products and manufacturing process(es):	Forged Rounds Production route No. FRO-02-51				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> Heat treatment by BTT s.r.l. Località Fornaci (BS) Italy: Use of furnace Mizar No. 4 acc. to procedure Nr. IO66P7.5.1-02. Use of furnace Atlante 2 acc. to procedure Nr. P.37.D Forgings shall be machined as close as possible to final shape prior to quality heat treatment. 				
Other information:	<ul style="list-style-type: none"> Tests performed by S.M.T. s.r.l. Laboratory – Pozzo d'Adda (MI). Test location plan No. 243. S.M.T. Tests report: RP-91133. Verification of H.T. Procedure performed on 02/10/2018 for Mizar No. 4¹⁾ Verification of H.T. Procedure performed on 13/10/2021 for Atlante 2 				
Qualification expires:	16th February 2027				
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]
Forged Rounds	RP-91133	305	305	385	All
Qualification/acceptance signatures					
Manufacturer:  Industria Metallurgica ODOBEZ s.r.l. Pasturo – LC – Italy	Prepared by/Date:  Denis De Martini Quality Control Dept. 16/02/2022		Checked by/Date:  Giovanni Odobez Managing Director 16/02/2022		
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. <i>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.</i>					
Qualified/Accepted by (company name /address): Vebjørn Andresen, Principal Engineer, M.Sc., IWE DNV, 1363 Høvik, Norway			Signature/Date:  Digitally Signed By: Andresen, Vebjørn Location: DNV, Høvik, Norway Signing Date: 25.03.2022		

¹⁾ Mizar No. 4 furnace is on HOLD status until 30/09/2022 pending completed maintenance/upgrade. The Mizar 4 furnace HOLD can be removed after DNV has witnessed that the furnace and handling equipment works properly.