

	Qualification Test Record (QTR) NORSOK M-650				QTR. No.:5
					Rev. No.:2
Manufacturer name/address/ Web page:	GAINZA FORGE, S.L. Barrio Agote nº7 20740 ZESTOA (Gipuzkoa) Spain Tel.+34-943-147871 Fax.+34-943-147790 www.gainzaforge.com , e-mail: gainza@gainzaforge.com				
Reference standard	NORSOK M-650, Edition 4				
Material designation and MDS No.:	Ferritic/Austenitic Stainless Steel Forgings Type 25Cr Duplex ASTM A182 Gr. F55 UNS S32760 All test requirements shall comply with NORSOK M-630:2020 MDS D54 Rev.6 and DH54 Rev.1				
Manufacturing Summary doc. No.:	MS-F55-02				Rev. No.:5
Products and manufacturing process(es):	Forging by open die followed by ring rolling: -Rings -Hubs (machined to shape) -Weld neck flanges (machined to shape)				
Mandatory conditions and sub-contractors:	<ul style="list-style-type: none"> • Micrographic examination and corrosion test by: Azterlan (external laboratory) • Forgings shall be machined as close as possible to final shape prior to quality heat treatment. 				
Other information:	Verification of heat treatment procedure report No.1/2021 performed on 22 nd of October 2021 and No.1/2022 performed on 19 th of February 2022				
Qualification expires:	December 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
Rolled rings	2017-2979-10.2	150	150	345	All
Qualification/acceptance signatures					
Manufacturer:	Prepared by/Date:		Checked by/Date:		
	 Igor Albizu 16 th of December 2022		 Pedro Bravo 16 th of December 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):			Signature/Date:		
			16 th of December 2022		
<small>Member of NORSOK M-650 committee</small>					