




# MRC Global<sup>TM</sup>

	<b>Qualification Test Record</b>				QTR. No.:
	<b>NORSOK M-650 Edition 4</b>				NF CBHF53
					Rev. No.: 3
Manufacturer name/address/ Web page:	Nordic langes AB, Kavelvägen 17,894 35 Själevad, Sweden www .nordicflanges.com				
Reference standard	Norsok M-650 Edition 4				
Material designation and MDS No.:	ASTM A 182 Gr. FS3 MDS D54, Revision 6				
Manufacturing summary doc. No.:	CBH F53				Rev. No.: 7
Products and manufacturing process(es):	Hot forged flanges 2" -12", forged by closed die in counter blow hammer				
Mandatory conditions and sub-contractors:	Billets come from M-650 approved sources Separate heat treatment in furnace Sarlin 100KW, 250A .				
Other information:	Qualification testing acc to approved sketch and document QT I 003 REV. I Weld-Neck 3"-1500LB and TOT CBHF53. Heat treatment procedure verification carried out under supervision of qualifying company Exova Karlskoga is accredited to ISO 17025. Nordic Flanges laboratory works to the principles of ISO 17025				
<b>Tested and Qualified Thickness and Weight</b>					
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Die forged flanges	K402651	60	60	33	66
<b>Qualification/acceptance signatures</b>					
Manufacturer:	Prepared by/Date:	Checked by/Date: 2023-01-11			
					
<b>Remarks/Special remarks:</b>					
<ol style="list-style-type: none"> <li>1. 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.</li> <li>2. 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.</li> <li>3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers.</li> <li>4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.</li> </ol>					
Qualified/Accepted by (company name/address):			Initial approval date: 31.01.2023		
 <p style="color: red; font-weight: bold;">Gamle Forusveien 53 NO-4033 STAVANGER</p>			Expiry date (annual renewal): 31.01.2024		
			Signature: 