nordic flanges

	Qualification Test Record **NORSOK M-650 Edition 4**	QTR. No.: NF CBHF53
nordic flanges		Rev. No.: 3

Manufacturer name/address/ Web page:	Nordic Flanges 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. F53 MDS D54, Revision 5

Manufacturing summary doc. No.:	CBHF53	Rev. No.: 2

Products and manufacturing process(es):	Hot forged flanges 2" - 12", forged by open 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 QT1003 REV.1 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
Qualification Expires:	2023-03-18

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)
Die Forged flanges	K402651	60	60	33	66

Qualification/acceptance signatures

Manufacturer: Nordic Flanges (NF)	Prepared by/Date: 2019-04-12 Bernt Kämpman *[signature]*	Approved by/Date: 2019-04-12 Marita Sjödin *[signature]*

Remarks/Special remarks:

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.
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.

Qualified/Accepted by (company name/address):	Signature/Date:
APPROVED Ztrong TORFINN HAVN	*[signature]* Torfinn Ham 06.05.2019

Co-signed by (Company name/address)	Signature/Date:
Approved Gateway Stainless	*[signature]* 6/5 -2019