

	Qualification Test Record (QTR) NORSOK M-650			QTR. No.: NF CBHF44	
				Rev. No.: 5	
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 182 Gr. F44/UNS S31254, MDS R14, Revision 5				
Manufacturing summary doc. No.:	CBHF44			Rev. No.: 5	
Products and manufacturing process(es):	Hot forged flanges 2"-12", forged by open die in counter blow hammer				
Mandatory conditions and sub-contractors:	NF may use subcontractor according to PD-09 Separate heat treatment in furnace Sarlin, 100kW, 250 A				
Other information:	Qualification testing acc to approved sketch and document 091104. 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:	2022-08-24				

Tested and Qualified Thickness and Weight


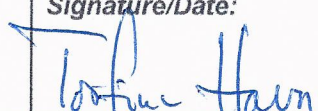
Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
Die forged flanges	H10-4808	97	97	97	194
Die forged flanges	7003	97	97	97	194

Qualification/acceptance signatures

Manufacturer: Nordic Flanges (NF)	Prepared by/Date: 2017-12-01 Bertil Kämpman 	Checked by/Date: 2018-01-29 Marita Sjödin 
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Remarks/Special remarks:

- 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.

Qualified/Accepted by (company name/address):  APPROVED TORFINN HAVN	Signature/Date:  31.01.2018
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