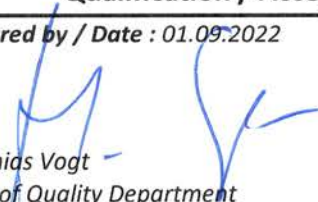


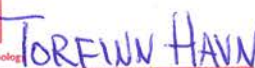

	QUALIFICATION TEST RECORD NORSOK M-650 EDITION 4 Manufacturing Procedure Conformity Record ISO 17782-2018			QTR No.: QTR 006 MPCR No.: 006	
				Revision No.: 08	
Manufacturer Name / Address / Web Page:	Hammerschmiede Jäckel Essen GmbH Ripshorster Straße 460, D-45357, Essen, Germany www.hje.gmbh				
Reference Standard:	NORSOK M-650 Edition 4				
Material Designation and MDS No.:	ASTM B381 F2 (UNS R50400) - NORSOK M-630 MDS T24 Rev. 1				
Manufacturing Summary Doc. No.:	QTR006-MS			Rev. No.: 02	
Products and Manufacturing Process(es):	Die Forged Flanges < 80kg Die Forged Flanges ≥ 80kg Forged Rings				
Mandatory Conditions and Sub-Contractors:	Heat Treatment carried out in-house (Furnace no. 5) Laboratory Material Testing carried out by 3 rd Party ISO 17025 Accredited Supplier				
Other Information:	Pickling & Passivation carried out by 3 rd Party Approved Supplier Forging Process for Large Items (≥ 80kg) : Ossenberg & Cie GmbH, Altena (Optional)				
Qualification Expiry Date:	29/09/2027				
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)
Die Forged Flanges (< 80kg)	QTR006-QUALTS01	95	119	66	132
Die Forged Flanges (≥ 80kg)	QTR006-QUALTS02	90	113	99	198
Die Forged Flanges (≥ 80kg) - Ossenberg)	QTR006-QUALTS03	170	213	232	All
Forged Rings	QTR006-QUALTS04	200	250	210	All
Qualification / Acceptance Signatures					
Manufacturer: Hammerschmiede Jäckel Essen GmbH Essen, Germany	Prepared by / Date : 01.09.2022  Matthias Vogt Head of Quality Department		Checked by / Date : 01.09.2022  Andrea Jäckel CEO		
Remarks / Special Remarks:					
1. The manufacturer and this QTR/MPCR are evaluated and found to be in conformity with the requirements of NORSOK M-650/ISO 17782 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/ISO 17782.					
Qualified / Accepted by (Company Name / Address):			Signature / Date :		
 APPROVED 			 Torfinn Havn 29.09.2022		