

QUALIFICATION TEST RECORD NORSOK M-650 EDITION 4

Manufacturing Procedure Conformity Record ISO 17782-2018

QTR No.: QTR 002 MPCR No.: 002

Revision No.: 14

	100 17701 1010				
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, ISO 17782-2018				
Material Designation and MDS No.:	ASTM A182 F55 (UNS S32760) - NORSOK M-630 MDS D54 Rev. 7 + MDS DH54 Rev. 1				
Manufacturing Summary Doc. No.:	QTR002-MS	Rev. No.: 03			
Products and Manufacturing Process(es):	Die Forged Flanges < 80kg Die Forged Flanges ≥ 80kg Forged Rings Forged Bars / Blocks				
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 Qu	lalified	Inickness	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)	QTR002-QUALTS01	62	62	43	86			
Die Forged Flanges (≥ 80kg)	QTR002-QUALTS02	80	80	99	198			
Die Forged Flanges (≥ 80kg) - Ossenberg)	QTR002-QUALTS03	170	170	400	All			
Forged Rings	QTR002-QUALTS04,	200	200	363	All			
Forged Bars / Blocks	QTR002-QUALTS05	207	207	80	160			

Qualification / Acceptance Signatures

Manufacturer: Prepared by / Pate: 01.09.2022 Checked by / Date: 01.09.2022

Hammerschmiede Jäckel Essen GmbH Essen, Germany

Matthias Vogt ~ Head of Quality Department Andrea Jäckel

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 :

tain 29.09.2022