

	Qualification Test Record (QTR) NORSOK M-650		QTR. No.: F51 Disc
			Rev. No.: 07
Manufacturer name/address/ Web page:	Brück GmbH, Brückstraße 16, 66131 Ensheim - Germany www.bruck-forgings.com		
Reference standard	NORSOK M-650, Edition 4		
Material designation and MDS No.:	ASTM A182 Gr. F51 ; NORSOK M-630:2020, MDS D44 Revision 6. ASTM A182 Gr. F60 ; NORSOK M-630:2020, MDS D44 Revision 6.		
Manufacturing Summary doc. No.:	MS-F51-Disc	Rev. No.: 06	
Products and manufacturing process(es):	Forged Discs, produced by open die forging		
sMandatory conditions and sub-contractors:	Heat treatment furnaces No. 5 and 6 Quenching basin No. 4 GSI SLV Saarbrücken		
Other information:	Ring Rolling process is used as last step of forming to get square-edged contour. This QTR is a renewal of NORSOK Qualification based on original QTR F51 Disc from 2019.		
Qualification expires:	December 2028		


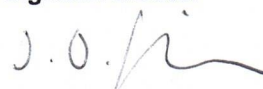
Tested and qualified thickness and weight

Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight kg	Qualified weight kg
Forged Discs	E 2788	185	185	1070	All

Qualification/acceptance signatures

Manufacturer:	Prepared by/Date:  Fabian Bonner 2023.12.01 07:41:53 +01'00'	Checked by/Date:  Digital signiert von J. Augustin DN: cn=J. Augustin, c=DE, o=Brück GmbH, ou=QS / QA, email=jochim.augustin@bruck-forgings.com Datum: 2023.12.01 07:53:58 +01'00'
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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):  AkerSolutions Fornebu, Norway NO 929 877 950 VAT	Signature/Date:  / 01.12.23 J.O. Gjerp
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