#BOLTANDNUT SPECAL SOFT BOTTIONS	Qualification Test Record (QTR) NORSOK M-650	QTR. No.: BNMLQTR002 Rev. No.: 01				
Manufacturer name/address/ Web page:	Bolt & Nut Manufacturing Limited Cannon Business Park, Gough Road, Coseley, West Midlands, WV14 8XR www.bnml.co.uk					
Reference standard	NORSOK M-650, Edition 4 / ISO 17782					
Material designation and MDS No.:	ASTM A276 - UNS S32760 (condition S) NORSOK M-630:2020 - MDS D59/D59L Revision 3					
Manufacturing Summary doc. No.:	BNMLD59MS001	Rev. No.: 00				
Products and manufacturing process(es):	Studs and Headed Bolts machined from solution annealed and strain hardened bar					
Mandatory conditions and sub-contractors:	 Raw material manufacturer to be NORSOK M-650 qualified and cold drawn by Offshore Stainless Supplies Ltd (QTR No: OSSLQTR001) Testing to be performed by a laboratory accredited to ISO/IEC 17025 Products will not be subject to any further heat treatment 					
Other information:	 This QTR is only applicable to the manufacturing of studs and headed bolts from solution annealed and strain hardened bar. Qualification testing has been carried out to demonstrate that the products fulfil the specified requirements after machining. Studs and headed bolts manufactured from 2.415" up to and including 3.415" diameter round bar may be supplied upon agreement with the purchaser. Nuts will be supplied in the solution annealed condition to the requirements of MDS D60/D60L as per BNML QTR No: BNMLQTR001 Rev 01 - Editorial correction 					
Qualification expires:	25/06/2029					

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		
Stud	52991-1 / 52991-2 (D59L)	15.875 / 28.575 (0.625" / 1.125")	28.575 (1.1/8")	N/A	N/A		
Stud	52991-3 (D59)	63.5m (2.1/2")	63.5 (2.1/2")	N/A	N/A		
Headed bolt	52991-4 (D59L)	12.75 (0.500")	12.75 (0.500")	N/A	N/A		
Headed Bolt	52991-5 (D59)	31.75 (1.250")	31.75 (1.250")	N/A	N/A		

Qualification/acceptance signatures

Manufacturer:

Bolt & Nut

Manufacturing Limited

J. Hobbs – 15.07.2024

Checked by/Date:

S. Gwynne – 15.07.2024

3. dwy/mc 13.07.2024

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:

linder Ulikhalm

15/07/2024