

HYDROBOLT 🕎	Qualification Test Record (QTR) NORSOK M-650			(QTR)	QTR. No.:003
enous 🗳					Rev. No.:00
Manufacturer name/address/ Web page:	Hydrobolt Group, Monmore Business Park, Dixon Street, Wolverhampton, WV2 2EE www.hydroboltgroup.com				
Reference standard	NORSOK M-650, Edition 4				
Material designation and MDS No.:	ASTM A1082, ME	OS D59 Rev 2, I	UNS S32760		
Manufacturing Summary doc. No.:	NMS - 003				Rev. No.: 00
Products and manufacturing process(es):	Bar Turned / Thread Rolled Stud Bolts				
Mandatory conditions and sub-contractors:	<ul> <li>Original Bar Manufacturer must be BGH Edelstahl Freital GmbH</li> <li>Will not be subject to any further heat treatment or pickling operations</li> <li>Strain Hardened Bar to be supplied by Zapp and Drawn by S S Bright Drawers</li> </ul>				
Other information:	<ul> <li>NDE Inspection by Scantech, Fens Pool Avenue, Brierley Hill, DY5 1QA</li> <li>Mechanical Testing will be conducted at;</li> <li>Special Testing, Bacon Lane, South Yorkshire, S9 3NH</li> <li>Element Materials Technology, Nursey Street, South Yorkshire, S3 8GP</li> <li>"This QTR applies to machining / thread rolling of stud bolts from strain hardened bar drawn using verified proedure. Qualification testing has been carried out to demonstrate that the product fulfil the specified product requirements after machining."</li> <li>Max hardness 3mm under threads measured to 37.8 HRC</li> </ul>				
Qualification expires:	March 2023				
	Tested and o	qualified th	nickness a	and weight	
Products and manufacturing process(es):	Type of Material	Type of component	Tested Thickness (T) inch	Qualified thickness	Sacrificial component for qualification testing
Thread Rolled Stud Bolts	SS, Type 25Cr duplex MDS D59 Rev. 2	Stud Bolt	5/8	Studbolts : M12 (1/2inch) To M48 (2inch)	Yes
			1.1/4		
			2.00		
	Qualificat	ion/accep	tance sig	natures	
Manufacturer: Hydrobolt	Prepared by/Date: P Mulligan 2013 8 Checked by/Date: P Mulligan 2013 18				
The manufacturer and the This acceptance does no	nis QTR are evalua M-650 for supply of exempt any purch his products within	ted and found to of the above lis haser from his in the essential v	sted products responsibility to variables of NO	and materials. o ensure that this ORSOK M-650.	qualification is valid fo
Qualified/Accepted by (	Aker Engineering & Technic Reg.nr. 879 817 55	cions blogy AS	Signatur	e/Date: 21/3 dn Wihh	12018 Usm