


	<b>Qualification Test Record (QTR)</b> <b>NORSOK M-650</b>				QTR. No.: 001
					Rev. No.: 04
<b>Manufacturer name/address/ Web page:</b>	Hydrobolt Group Limited, Monmore Business Park, Dixon Street, Wolverhampton, WV2 2EE www.hydroboltgroup.com				
<b>Reference standard</b>	NORSOK M-650, Edition 4 / ISO 17782				
<b>Material designation and MDS No.:</b>	ASTM A1082 - UNS S32760 NORSOK M-630:2020 - MDS D60/D60L Revision 3				
<b>Manufacturing Summary doc. No.:</b>	NMS – 002	Rev. No.: 02			
<b>Products and manufacturing process(es):</b>	Studs, Bolts, Nuts and Washers machined from solution annealed bar				
<b>Mandatory conditions and sub-contractors:</b>	<ul style="list-style-type: none"> <li>Raw material manufacturer to be NORSOK M-650 qualified</li> <li>Testing to be performed by a laboratory accredited to ISO/IEC 17025</li> <li>Products will not be subject to any further heat treatment or pickling operations</li> </ul>				
<b>Other information:</b>	<ul style="list-style-type: none"> <li>This QTR is only applicable to the machining of fasteners from solution annealed bar. Qualification testing has been carried out to demonstrate that the products fulfil the specified requirements after machining.</li> </ul>				
<b>Qualification expires:</b>	October 2026				
<b>Tested and qualified thickness and weight</b>					
<b>Products and manufacturing process(es):</b>	<b>Test record No.</b>	<b>Tested thickness mm</b>	<b>Qualified thickness mm</b>	<b>Test piece weight kg</b>	<b>Qualified weight kg</b>
Headed bolt	001022 (D60)	28.575	M56 (2.1/4")	N/A	N/A
Headed Bolt	001023 (D60)	101.6		N/A	N/A
Headed bolt	002112 (D60L)	31.75	M30 (1.1/4")	N/A	N/A
Nut	001031 (D60)	101.6	M90 (3.1/2")	N/A	N/A
Nut	001216 (D60)	152.4		N/A	N/A
Nut	002113 (D60L)	50.8	M27 (1")	N/A	N/A
Stud	001222 / 001270 / 001271 (D60)	88.9	M90 (3.1/2")	N/A	N/A
Stud	002111 (D60L)	57.15	M56 (2.1/4")	N/A	N/A
<b>Qualification/acceptance signatures</b>					
<b>Manufacturer:</b>	<b>Prepared by/Date:</b>		<b>Checked by/Date:</b>		
Hydrobolt Group Ltd	 J. Hobbs - 12.10.21		 J. Hobbs - 12.10.21		
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.					
<b>Qualified/Accepted by (company name /address):</b>			<b>Signature/Date:</b>		
 <b>AkerSolutions</b> Fomebu, Norway NO 929 877 950 VAT			18/10/2021 