



	Qualification Test Record (QTR) NORSOK M-650				QTR. No: MGI PL-001	
					Rev. No: A	
					Date: 15/6/2016	
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Manufacturer name/address/ Web page:	MGI GmbH Olper Hütte 7 57462 Olpe, Germany					Web: www.mgi-olpe.de
Reference standard:	NORSOK M-650, Edition 4					
Material designation and MDS No.:	Grade and specifications: Tungum Alloy Tubing to specifications BS EN 12449-CW700R / ASTM B706-TF00 C69100 This QTR covers the requirements of NORSOK M-650 Edition 4.					
Manufacturing Summary doc. No.:	Flow charts: MGI-001, MGI-002				Rev. No.: A Dated 30/11/2015	
Products and manufacturing process(es):	Manufacturing routes: <u>Re-drawing process:</u> MGI-002. <u>Heat treatment:</u> Gas fired furnace. <u>Production route:</u> MGI-002. Tube sizes (at final manufacture) \varnothing 4mm to 50mm (1/8" to 2") Wall Thickness 0.5 to 7.0mm (0.020" to 0.276")					
Mandatory conditions and sub-contractors:	Subcontractor: Buntmetall Amstetten, Fabrikstraße 3, A-3300 Amstetten, Austria. <u>Melting process:</u> Electric induction furnace. <u>Extrusion:</u> prematerial shell. <u>Pilgering:</u> to produce prematerial size. <u>Heat treatment:</u> Continuous furnace. <u>Production route:</u> MGI-001.					
Other information:	All testing in in-house laboratory.					
Qualification expires:	May 2021					
Tested and Qualified thickness and Weight (All certification to BS EN 10204:2004 3.2)						
Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight kg	Qualified weight kg	
OD \varnothing 4 to 50mm (1/8" to 2")	K72297 Pos. 1	2.64mm (0.104")	7.0mm (0.276")	N/A	N/A	
Thickness 0.5 – 7.0mm (0.020"–0.276")	K72164 Pos. 1	2.00mm (0.079")	7.0mm (0.276")	N/A	N/A	
Qualification/Acceptance Signatures						
Manufacturer: MGI GmbH	Prepared by/Date: G. Millionis 16/06/2016 		Checked by/Date: G. Millionis 16/06/2016 			
<p>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.</p>						
Qualified/Accepted by:			Signature/Date:			
Lloyd's Register EMEA 1 Trinity Park, Bickenhill Lane Birmingham, B37 7ES			<div style="border: 1px solid red; padding: 5px;"> WITNESSED <input type="checkbox"/> REVIEWED <input checked="" type="checkbox"/>  David S Jenkins 16 June 2016 COV1519606 Birmingham Office Lloyd's Register EMEA  </div>			