
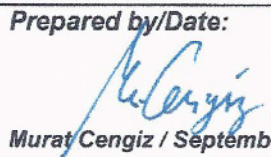
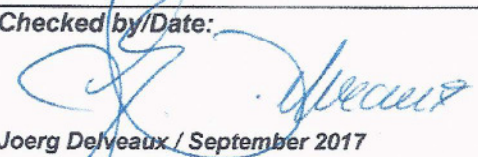


	<b>Qualification Test Record (QTR)</b> <b>NORSOK M-650</b>				QTR. No.: 002/M630r5D54/F55
					Rev. No.:3
<b>Manufacturer name/address/ Web page:</b>	Wilhelm Maass GmbH, Zeche Ernestine 18, DE – 45141 Essen, Germany <a href="http://www.maassglobal.com">http://www.maassglobal.com</a>				
<b>Reference standard</b>	NORSOK M-650, Edition 4				
<b>Material designation and MDS No.:</b>	ASTM A182 Gr. F55; M630 Ed.6, MDS D54, Rev.5				
<b>Manufacturing Summary doc. No.:</b>	WM_MS_OP_02_Manufacturing Summary_F55				Rev. No.:5
<b>Products and manufacturing process(es):</b>	Products: Welding Neck-, Blind-, Slip On-, Long Welding Neck-, Socket Welding- Flanges acc. ASME B16.5, Spectacle Blind-, Paddle and Spacer acc. ASME B16.48 and Drawing- Flanges up to 146mm thickness Process: Closed die forgings				
<b>Mandatory conditions and sub-contractors:</b>	ISO 17025 approved Test laboratory Gövert GmbH M-650 approved Raw Material Source				
<b>Other information:</b>	Furnace working zone limited to 1000mm x 1600mm x 1000mm [width x length x height]				
<b>Qualification expires:</b>	November 2022				
<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>
WN 8" 2500lbs	14715	146	146	>250	All
<b>Qualification/acceptance signatures</b>					
	<b>Prepared by/Date:</b>  Murat Cengiz / September 2017		<b>Checked by/Date:</b>  Joerg Delveaux / September 2017		
	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>APPROVED</b> Ztrong <small>partner in material technology and innovation</small> TOFWIN HAN			 Torfinn Han 31.01.2018		