
	Qualification Test Record (QTR) NORSOK M-650				QTR. No.: 06	
					Rev. No.: 05	
Manufacturer name/address/web page		H. Butting GmbH & Co. KG Gifhorner Str. 59, 29379 Wittingen-Knesebeck, Germany www.butting.de				
Reference standard		NORSOK M-650, Edition 4				
Material designation and MDS No.:		ASTM B862 Titanium Grade 2 UNS R50400 NORSOK M-630:2020, MDS T22 Rev.1				
Manufacturing Summary doc. No.:		D-06			Rev. No.:04	
Products and manufacturing process(es):		Cold formed Titanium pipes, longitudinally welded by: PAW Single sided welds Without HT Production route No. 1				
Mandatory conditions and sub-contractors:		<ul style="list-style-type: none"> • Cold forming, pickling • Raw Material Suppliers <i>Coil: Kobe Steel, Nippon Steel & Sumitomo Metal</i> 				
Other information:		<ul style="list-style-type: none"> • Test Laboratory accredited to ISO 17025 • Qualification testing acc. to NORSOK M-630 Ed.6 MDS T01 Rev.5, however all testing also meets requirements of NORSOK M-630:2020 MDS T22 Rev. 1 • Rev. 04 - Re-Qualification and Qualification testing to extend qualified wall thickness of PR no. 1 • Rev. 05 - Re-Qualification 				
Qualification expires:		14.03.2029				
Tested and qualified thickness and weight						
Products and manufacturing process(es):	Reference no.	Qualification order no.	Tested thickness [mm]	Qualified thickness [mm]	Test piece weight [kg]	Qualified weight [kg]
Welded pipes / PR 1	QTR-06/R1	1124835	3,4	4,25	N/A	N/A
Welded pipes / PR 1	QTR-06/R1	1142064	4,78	5,98	N/A	N/A
Qualification/acceptance signatures						
Manufacturer: BUTTING GmbH & Co. KG		Prepared by/Date: Sigrun Claus / 12.01.2024		Checked by/Date: Sabine Nagel / 12.01.2024		
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. <i>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.</i>						
Qualified/Accepted by (company name /address):  Scandinavian Fittings & Flanges				Signature/Date: 06.03.2024 