

 BUTTING	Qualification Test Record (QTR) NORSOK M-650		QTR. No.: 02																				
			Rev. No.: 01																				
Manufacturer name/address/ Web page:	BUTTING Könnern GmbH, Windrose 1-2, D-06420 Könnern, Germany www.butting.de																						
Reference standard	NORSOK M-650 Edition 4, DIN EN ISO 17782																						
Material designation and MDS No.:	ASTM A928 CL.1 UNS S31803, UNS S32205 MDS D42, Revision 6.																						
Manufacturing Summary doc. No.:	QTR-N-00-02	Rev. No.: 01																					
Products and manufacturing process(es):	Cold formed stainless steel pipes, longitudinally welded by <table border="0"> <tr> <td>PAW/GTAW/GTAW</td> <td>Double sided</td> <td>Induction HT (in line)</td> <td>Production rout 1</td> </tr> <tr> <td>PAW/GTAW/GTAW</td> <td>Double sided</td> <td>Induction HT (off line)</td> <td>Production rout 2</td> </tr> <tr> <td>PAW/GTAW/SAW</td> <td>Double sided</td> <td>Induction HT (off line)</td> <td>Production rout 2</td> </tr> <tr> <td>GTAW</td> <td>One sided</td> <td>Induction HT (off line)</td> <td>Production rout 2</td> </tr> <tr> <td>GTAW</td> <td>Double sided</td> <td>Induction HT (off line)</td> <td>Production rout 3</td> </tr> </table>			PAW/GTAW/GTAW	Double sided	Induction HT (in line)	Production rout 1	PAW/GTAW/GTAW	Double sided	Induction HT (off line)	Production rout 2	PAW/GTAW/SAW	Double sided	Induction HT (off line)	Production rout 2	GTAW	One sided	Induction HT (off line)	Production rout 2	GTAW	Double sided	Induction HT (off line)	Production rout 3
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GTAW	Double sided	Induction HT (off line)	Production rout 3																				
Mandatory conditions and sub- contractors	<ul style="list-style-type: none"> Cold forming, Heat treatment, Pickling Raw Material Suppliers Plate: Outokumpu, Industeel, Acroni Coil: Outokumpu, Aperam 																						
Other information:	<ul style="list-style-type: none"> Verification reports included in Section 3 Test Laboratory accredited to ISO 17025 (from Butting GmbH & Co. KG) 																						
Qualification expires:	03.09.2026																						

Tested and qualified thickness and weight						
	Reference no.	Fabrication order no.	Tested thickness mm	Qualified thickness mm	Test pieces weight kg	Qualified weight kg
Welded pipes / PR1	1174103	1174103	5,6	7	N/A	N/A
Welded pipes / PR2	501	1203253	8	10	N/A	N/A
Welded pipes / PR2	502REP	1203253	8	10	N/A	N/A
Welded pipes / PR2	604	1197104	15	18,75	N/A	N/A
Welded pipes / PR2	605REP	1197104	15	18,75	N/A	N/A
Welded pipes / PR3	1174103REP	1174103REP	5,6	7	N/A	N/A

Qualification / acceptance signatures		
Manufacturer: BUTTING Könnern GmbH	Prepared by/Date: Mathias Michaelis / 2022-01-27	Checked by/Date: Andreas Tietje / 2022-01-27
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.		
Qualified/Accepted by (company name/address):  Scandinavian Fittings & Flanges	Signature/Date:  11.01.2022	