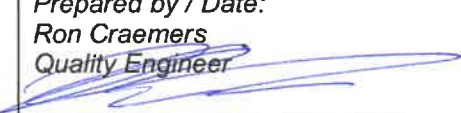
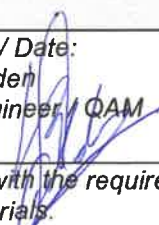

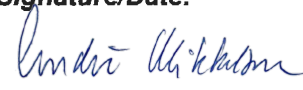


<b>ANTONIUS</b>	<b>Manufacturing procedure conformity record (MPCR) ISO 17782</b>	MPCR. No.: 001
		Rev. No.: 0
<b>Manufacturer name/address/ Web page:</b>	Antonius Vessel Heads BV S. Houbenweg 1, 6051AL Maasbracht, Netherlands <a href="http://www.antonius.nl">www.antonius.nl</a>	
<b>Reference standard</b>	ISO 17782 / 2018	
<b>Material designation and MDS No.:</b>	22Cr Duplex SS (UNS S31803 and UNS S32205) according MDS D43 Rev.6	
<b>Manufacturing Procedure Summary doc. No.:</b>	2.0 Manufacturing Procedure Summary 22Cr Duplex SS MPS-001-DSS rev.0	
<b>Products and manufacturing process(es):</b>	Dished heads and components manufactured by: A1-1: Dishing & Spinning with weld seam before forming. A1-2: Dishing & Spinning seamless. B1-2: Hot Pressing seamless.	
<b>Mandatory conditions and sub-contractors:</b>	Suppliers of starting material shall be qualified according to ISO 17782 Heat treatment (furnaces GL001 and GL004), blasting and pickling by own facilities. Furnace (GL001 and GL004) verification done and approved by Aker Solutions on May 3 <sup>rd</sup> 2013. External laboratory: GWQ-Moers (D) certified acc. ISO/IEC 17025 Non destructive testing: - 100% PT of knuckle area in and outside - 100% PT of weld seam(s) in and outside - 100% RT of weld seam(s) Procedure and acceptance criteria according the purchase order	
<b>Other information:</b>	Rev.0: QTR 001 Rev.4 renewal and transformation to ISO 17782 Route A1-1: minimum qualified thickness: 7.5mm for ISO15614-1 and 5 mm for ASME IX welding	
<b>Qualification expires:</b>	November 2028	

### Tested and Qualified Thickness and Weight

Products and manufacturing process(es):	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece weight (kg)	Qualified weight (kg)
A1-1	1201360003	24	30	1538	N.App.
A1-2	78098050	14	18	181	N.App.
B1-2	1201361005	49	60	2943	N.App.

### Qualification/Acceptance signatures

<b>Manufacturer:</b> <b>ANTONIUS</b>	<b>Prepared by / Date:</b> Ron Craemers Quality Engineer 	<b>Checked by / Date:</b> Maurice Salden Welding Engineer / QAM 
<p>The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of ISO 17782 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 ISO 17782.</p>		
<b>Qualified/Accepted by</b> (company name/address):  <b>AkerSolutions</b> Fornebu, Norway NO 929 877 950 VAT		<b>Signature/Date:</b>  André Mikkelsen 13/11/2023