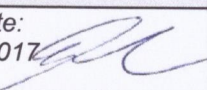
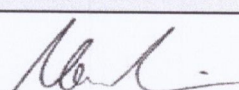
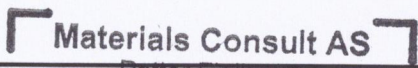
 König + Co. GmbH	QTR Qualification Test Record NORSOK M-650				QTR. No.: Kö98089QTR
					Rev. No.2
Manufacturer name/address/ Web page:	König + Co. GmbH, Obere Industriestraße 24 – 26, D-57250 Netphen www.koenig-co.de				
Reference standard	NORSOK M-650, Edition 4, September 2011				
Material designation and MDS No.:	ASTM A240 UNS S 31803 / ASTM A815 UNS S 31803 ASTM A240 UNS S 32205 / ASTM A815 UNS S32205 NORSOK M-630 Ed. 6, MDS D43, Rev. 5				
Manufacturing summary doc. No.:	Kö-7MS				Rev. No.:1
Products and manufacturing process(es):	Heads made of plates, material: ASTM A240 UNS S 31803 and UNS S 32205 without welding seams. Forming Process: Hot forming				
Mandatory conditions and sub-contractors:	Heat treatment after forming is necessary and will be carried out by own furnaces No. 348 or No. 788 Manufacturer for starting material is Outokumpu and Industeel or other NORSOK M-650 qualified manufacturer.				
Other information:	<ul style="list-style-type: none"> - Pickling will be done by own facilities. - Furnace No.348: Temperature uniformity survey done in 2016 - Furnace No.788: Temperature uniformity survey done in 2017 - Furnace No.348: Verification of heat treatment procedure done in 2012. - Furnace No.788: Verification of heat treatment procedure done in 2015. - As the water quench tank at furnace No.348 is limited in size, the water temperature before any quenching operation begins shall not exceed 35 °C. - Maximum weight for furnace No. 348 is 1.000 Kg - As review shows that König has had continuous production of actual material with satisfactory results the last 5 years. Qualifying Company accept that König can get a 5 years renewal of their NORSOK M-650 Ed. 4 qualification without any new mechanical testing, however is new corrosion testing required. See section 4 for corrosion test report. 				
Qualification expires:	September 2022				
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)
Hot formed heads	98089	45 mm	56,25 mm	400 kg	N.A.
Qualification/Acceptance signatures					
Manufacturer:	Prepared by/Date: Heupel/ 04.12.2017 		Checked by/Date: Haustein/ 04.12.2017 		
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.					
Qualified/Accepted by (company name/address):			Signature/Date: 04.12.2017		
 Petter Fjellheim N-7058 Jakobsli, Trondheim +47 97189397			