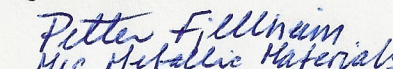
 König + Co. GmbH	QTR Qualification Test Record NORSOK M-650				QTR. No.: K616480QTR
					Rev. No.:3
Manufacturer name/address/ Web page:	König + Co. GmbH, Obere Industriestraße 24 – 26, D-57250 Netphen www.koenig-co.de				
Reference standard	NORSOK M-650, Edition 4, September 2011				
Material designation and MDS No.:	ASTM A240 UNS S31803 / ASTM A815 UNS S31803 ASTM A240 UNS S32205 / ASTM A815 UNS S32205 NORSOK M-630:2020, MDS D43, Rev. 6				
Manufacturing summary doc. No.:	Kö-8MS	Rev. No.: 3			
Products and manufacturing process(es):	Heads made of plates, material: ASTM A240 UNS S 31803 and UNS S 32205 With and without welding seams. Forming Process: Cold forming				
Mandatory conditions and sub-contractors:	Heat treatment after forming is necessary and will be carried out by own furnace no.788 at plant Netphen. Manufacturer for starting material is Outokumpu and Industeel or other NORSOK M-650 qualified manufacturer Subcontractors: <ul style="list-style-type: none"> • Hardness test, micrographic examination and corrosion testing: Zentrallabor Siegerland Braun & CO. (Accreditation no.: D-PL-18993-01-00 and ISO / IEC 17025) • Micrographic examination: Ingenieurbüro Odenthal GbR (Accreditation no.: D-PL-18955-01-00 and ISO / IEC 17025) 				
Other information:	- Pickling will be done by own facilities. - Temperature uniformity survey done in 2023 - Verification of heat treatment procedure done in 2015 for furnace no. 788 - The maximum weight qualified for furnace No.788 is 30000kg - Tensile and Charpy impact tests might also be performed by König & Co.				
Qualification expires:	12.2028				
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)
Cold formed heads	13/16480	30 mm	37,5 mm	4750 kg	N.A.
Qualification/Acceptance signatures					
Manufacturer:	Prepared by / Date: Haas / 01.12.2023	Checked by / Date: Haas / 01.12.2023			
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): Metallic Materials Consult Petter Fjellheim, Metallurgist Phone +47 97189397			Signature/Date: 20.12.2023  Msc. Metallic Materials pet-fjel@online.no		