kö	QTR Qualification Test Record NORSOK M-650			K	TR. No.: 510335QTR
König + Co. GmbH				R	ev. No.: 0
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 31254 NORSOK M-630 Ed. 6, MDS R15, Rev. 5 Kö-21MS Rev. No.:0				
Manufacturing summary doc. No.:	KO-2 TIVIS				ev. 1400
Products and manufacturing process(es):	Heads made of plates, material: ASTM A240 UNS S 31254 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: Zentrallabor Siegerland Braun & CO. and Ingenieurbüro Odenthal GbR				
Other information:	 Pickling will be done by own facilities. Temperature uniformity survey done in 2018 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. The following testing will be carried out by sub-contracting: 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) 				
Qualification expires:	07.2024				
	Tested and	Qualified Th	ickness 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	19/10335	30 mm	37,5 mm	4524 kg	N.A.
	Qualifica	ation/Accept	tance signat	ures /	
Manufacturer:	Prepared by / Date: Haas / 07.02.2019		Checked by / Date: Haas / 07.02.2019		
	r and this QTR are ORSOK M-650 for s not exempt any po	supply of the abo urchaser from his	ve listed products	and materials. Isure that this q	
N-7058 Ja		ame/address):	Signature/Date:		2019