



QTR
Qualification Test Record
NORSOK M-650

QTR. No.: 05

Rev. No.:02


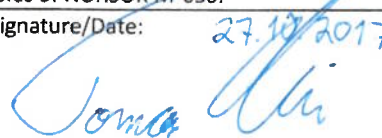
Manufacturer name/address/ Web page:	GSA SpA Via 1° Maggio, 15 – 36050 Sovizzo (VI) Italy www.gsaspa.com	
Reference standard	NORSOK M-650 Ed. 4	
Material designation and MDS No.:	ASTM A995 Gr. 4A J92205 MDS D 46 Rev. 5.	
Manufacturing summary doc. No.:	5	Rev. No.:02
Products and manufacturing process(es):	Sand casting	
Mandatory conditions and sub-contractors:	Heat treatment are carried out in GSA with FR1 furnace; Radiographic test are carried in Safas SpA; Tests are carried out in Laboratorio San Marco and/or RTM Breda;	
Other information:	Pickling is carried out in Bama Srl; Weld of minor and major defects shall always be followed by PWHT according to HT procedure TT05 rev 2 Verification of HT procedure has been performed on 22/05/2012	
Qualification expires	Corrosion test according to ASTM G48 performed in November 2014 Audit performed in October 2017, and the validity of QTR is extend to 10/2022	

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)
Castings, sand method	28359	80	80	260	All

Qualification/Acceptance signatures

Manufacturer: GSA	Prepared by/Date: Matteo Dalpra 19/10/2017	Checked by/Date: Gianmaria Pasqualotto 19/10/2017
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):  Framo Flatsøy AS, Flatsøyvegen 24, NO-5918 Frakkvang	Signature/Date: 27.10/2017 
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