
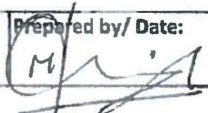





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|  | Qualification Test Record (QTR) Norsok M-650 | | | | QTR No - LSFENOR-QTRFP |
| | | | | | Rev. No.: 003 |
| Manufacturer name/address/Web Page: | LoneStar Fasteners Europe Ltd, Universal Point, Steelman's Road, Wednesbury, West Midlands, WS10 9UZ | | | | |
| Reference Standard | NORSOK M-650, Edition 4 | | | | |
| Material Designation and MDS No.: | M630 Edition 06 MDS D59 Rev 02, UNS S32760A | | | | |
| Manufacturing Summary Doc. No.: | LSFENOR-D59-MS-REV 007 | | | | |
| Products and Manufacturing Process | Strain Hardened, Machined / Thread Rolled Stud Bolts | | | | |
| Mandatory Conditions and Sub-Contractors | Material Procured from and Restricted to Strain Hardening Sub Supplier of Offshore Stainless (Brownhills, UK), Feed Material from BGH Freital or Bohler | | | | |
| Other Information | Maximum measured hardness HRC 36, 3mm below bottom of threads in threaded area; specified HRC 35 measured according to ASTM A370 | | | | |
| Qualification Expires | September 1, 2021 | | | | |
| 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 |
| Stud Bolts Nominal Diameter | | 5/8" (16MM), 1.1/2" (38MM), 2.1/2" (63MM), 3.1/2" (90MM) | All Diameters 1/2" (12MM) - 3.1/2" (90MM) | Not App | Not App |
| | | | | | |
| | | | | | |
| Qualification/Acceptance Signatures | | | | | |
| Manufacturer: LONESTAR | Prepared by/ Date:  13-MAR-17 | Checked by/Date:  13/3/17 | | | |
| The manufacturer and the 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):  Aker Engineering & Technology AS Reg.nr. 879 817 552 | | Signature/ Date  14/3 2017 | | | |