

CONFORMATION

Qualification of Manufacturer of Special materials according to NORSOK M-650 Edition,4

Certificate No.: 147055018-IND-2025-01 Rev 0
Name and Address: fas10 Superalloy Forgings LLP
Of Manufacture: 21/B, Shakti Sadan, Lamington Road,
Mumbai 400007

This is to certify that the above mentioned material manufacture has been approved as a manufacture of special material as per:

Reviewed and assessed acc to: NORSOK M-650, Edition 4, September 2011

Data Sheet followed : NORSOK M-630:2020, Material Data Sheet MDS D60/D60L for
ASTM A 1082 F55 Rev 3

QTR No: QTR No 01

Scope of Apporval: Forged & Machined Fasteners & Turned Components

Production Site: L43, MIDC Taloja, Tondre Village, 410208

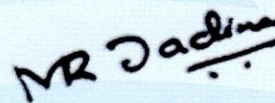
The manufacture has experienced and qualifed personnel, manufacturing facilities and equipment, established production and heat treatment procedures, applicable quality system as well as satisfactory qualifaction testing result.

NOTE: This certification is issued on request of Manufacture. There is no official listing in the name of NORSOK of accepted manufactures according to this NORSOK Standard.

The Validity of qualification is 5 years from the date of signing of QTR front page.



Mumbai, 24.07.2025
Pratik Brahmbhatt
Manager – Industrial Services



Mumbai, 24.07.2025
Malcolm Dadina
General Manager – Industrial Services

TÜV Rheinland India Private Limited
Office # 1209, 12th Floor, D. S. Business Galleria,
L.B.S. Marg, Kanjurmarg (W), Mumbai 400 079.

Certificate No.:

147055018-IND-2025-01 Rev 0

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Mumbai 400007

Of Manufacture:

Statement history

Revision	Description	Issue Date
0	Original Certificate	

Products covered by this Statement

Product Description	Product Material Specification and Grade	Product Limitation		Manufacturing Summary & Tested Qualified QTR reference
		Tested	Qualified	
Open Die Forgings Products - Flanges	NORSOK M-630:2020 MDS D60/D60L Rev 3 for ASTM A 1082 F55	4" (M100) Studs & Nuts	4" Studs & Nuts	fas10/NOR/01/F55 Rev 00 dated 18.07.2025 QTR No 01, Rev 00 dated 18.07.2025
		3.5" (M75) Bolts	3.5" Bolts	

Applications/Limitations:

1. This material manufacture statement 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 / NORSOK M-630
2. Supply of the products as listed above shall be as per inspection documentation EN 10204 type - 3.1/3.2 requirements under the discretion of the Purchaser.
3. The production test sample shall be as per relevant MDS under the discretion of the purchaser.
4. The re-qualification process as per NORSOK M-650 Ed. 4, clause 8.2 shall be repeated if any essential changes are made to the production route or the manufacturing procedure. e.g. major change of manufacturing process/equipment, heat treatment etc
5. If production is carried out at different plants / locations, a separate qualification is required for each plant. This applies also for change of in-house to subcontractors or change of subcontractor for essential operations as e.g. heat treatment, etc.
6. NDT operator qualification shall be as per NS-EN ISO 9712 or equivalent based on the purchaser's requirements.
7. A temperature uniformity survey for the heat treatment furnaces shall be carried out annually in accordance with API Spec 6A, Annex M, or equivalent and additional requirements of NORSOK M-650 Ed. 4 Annex B.
8. This certificate is issued after satisfactory completion of qualification as per Norsok M-650 Ed.4 and Norsok M-630:2020
9. This certificate is issued based on the requisition letter from the manufacturer dated from the manufacturer.
10. Acceptance of QTR is at the discretion and determination of the purchaser.

Certificate No.:

147055018-IND-2025-01 Rev 0

Name and Address

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21/B, Shakti Sadan, Lamington Road,
Mumbai 400007

Of Manufacture:

Terms and conditions

The Statement is subject to the following terms and conditions:

- Product liability rests with Manufacturer, in case of damages caused by defective products.
- The Statement is only valid for the product(s) listed above
- A visit shall be made to the manufacturer in case of changes to essential variables,
- manufacturer summary or during re-qualification. Manufacturer shall inform. Office for any changes made with respect to
- QTR/Manufacturing summary
- The following may render this Statement invalid:
- Any deviation to application/limitation listed above
- Changes in the design or construction of the product(s)
- Changes or amendments to the referenced standard and manufacturing summary

END OF STATEMENT



fas10 SuperAlloy Forgings LLP

Manufacturers of Exotic Superalloy Fasteners

Stock-Holders of Critical Nickel & Cobalt Alloys

An ISO 9001:2015 & PED 2014/68/EU Certified Company

Registered Office: 21/B, Shakti Sadan, Lamington Road, Mumbai - 400007.

www.fas10.in - contact@fas10.in / sales@fas10.in

(+91) 22-6659-5987 / (+91) 98-333-00-715 / (+91) 96-190-14-992

Qualification Test Record (QTR) NORSOK M-650

QTR No, Rev No. and Date:	QTR No 01, Rev 00 dated 19.07.2025
Manufacturer Name/Address/Web Page/Mail Id	fas10 Superalloy Forgings 21/B, Shakti Sadan, Lamington Road, Mumbai 400007. www.fas10.in sales@fas10.in / talk@fas10.in
Reference Standard	NORSOK M-650 EDITION-4 & NORSOK M630 ED.6
Material Designation and MDS No.	NORSOK M-630 MDS-D60/D60L, REV.03, ASTM A1082 F55, UNS S32760
Products and Manufacturing Processes	Forged & Machined Fasteners Receipt of Raw Material, Inspection of RM, cutting of RM, Forging, Heat Treatment, NDT, Mechanical Testing, Machining, Final Inspection, Packing and Dispatch.
Mandatory Conditions and Subcontractors:	<ol style="list-style-type: none">1. Start Material: Selective Raw Material. Alleima / Other Reputed European / Asian Mills2. Forging Method: Open & Closed Die Forging Forging Ratio: 4:1 Min.3. In-house facility: Forging, Machining, NDT4. Out-Sourced Operations : Heat Treatment at Heat Treaters & Engineers Pvt. Ltd.5. Chemical & Mechanical Test performed at TCR Engineering Pvt. Ltd. for qualification (ISO/IEC 17025 Accredited Lab).6. Change of essential variable according to Norsok M-650 Ed 4 requires requalification.
Qualification expires:	05 Years from the date of signing of QTR.



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24/07/25





fas10 SuperAlloy Forgings LLP

Manufacturers of Exotic Superalloy Fasteners

Stock-Holders of Critical Nickel & Cobalt Alloys



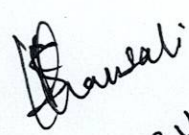

An ISO 9001:2015 & PED 2014/68/EU Certified Company

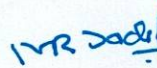

Registered Office: 21/B, Shakti Sadan, Lamington Road, Mumbai - 400007.

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Tested and qualified thickness and weight					
Products and Manufacturing Processes	Test Record No.	Tested Thickness mm.	Qualified Thickness mm	Test Piece Weight kgs	Qualified Weight kgs
Forged & Machined Fasteners	f10-252685042-1B-1N	4'' (M100) Stud	4'' (M100) Stud	NA	NA
		3.5'' (M75) Hex Bolt	3.5'' (M75) Hex Bolt		
		4'' (M100) Heavy Hex Nut	4'' (M100) Heavy Hex Nut		

Qualification/acceptance signatures		
Manufacturer: fas10 Superalloy Forgings	Prepared By - Vikram Joza  	Checked By: Kushal Bhansali  24/07/25 

Qualified / Accepted By : TÜV Rheinland (India) Pvt. Ltd	Signature / Date  
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