

MATERIAL MANUFACTURE STATEMENT

Certificate No.:
13463-2018-PC-IND-DNV

Issue date:
29, October, 2018

Valid until:
29, October, 2018 to 28, October, 2020

This statement consists of 3 pages

This is to certify that the product(s)

Open Die Forging – Flanges

Manufactured by,

CHW Forge Pvt. Ltd.

Accheja, PO Dujana, G.T. Road, Greater Noida (Phase II) 203207

has been reviewed / assessed with respect to:

the requirements specified in Norsok M-650 Edn. 4 on qualification of manufacturers of special materials and found to comply.

Applications/limitations:

See page 1 & 2

This Material Manufacture Statement shall be read in full.

Reference to the part of this Statement which may lead to misinterpretation is not permissible.

This certificate is valid for the following products:

NORSOK M-630 Edn. 6 MDS D54 Rev. 5 – ASTM A182 Gr. F53
NORSOK M-630 Edn. 6 MDS D54 Rev. 5 – ASTM A182 Gr. F55
NORSOK M-630 Edn. 6 MDS S01 Rev. 5 – ASTM A182 Gr. F316
NORSOK M-630 Edn. 6 MDS N01 Rev. 5 – ASTM B564 Gr. N06625

Place and date:

Chennai; 29, October, 2018

For the issuing office:

**DNV GL Business Assurance India Pvt.
Ltd.**



Hariharan Sundareswara
Manager – Product Certification

Certificate No.: 13463-2018-PC-IND-DNV
 Place and date: Chennai; 29, October, 2018
 Rev.: 0

Statement history

Revision	Description	Issue Date
00	Original Statement	29, October, 2018

Products covered by this Statement

Product Description	Product Material Specification and Grade	Thickness and Weight Limits		Manufacturing Summary & QTR reference
		Tested	Qualified	
Open die forging – Flanges	NORSOK M-630 Edn. 6 MDS D54 Rev. 5 ASTM A182 Gr. F55 UNS S32760	Thk: 81 mm	Thk: 81 mm	MS-M650-01 Rev.0, Dt. 08.04.2018 & QTR-650-01 Rev. 0, Dt. 29.10.2018
		Wt: 470 kg	Wt: All	
	NORSOK M-630 Edn. 6 MDS S01 Rev. 5 ASTM A182 Grade F316 UNS S31600	Thk: 184 mm	Thk: Refer Note*	MS-M650-04 Rev.0, Dt. 08.04.2018 & QTR-650-04 Rev. 0, Dt. 29.10.2018
		Wt: 519.9 kg	Wt: Refer Note*	
NORSOK M-630 Edn. 6 MDS D54 Rev. 5 ASTM A182 Grade F53 UNS S32750	Thk: 150 mm	Thk: 150 mm	MS-M650-02 Rev.0, Dt. 08.04.2018 & QTR-650-02 Rev. 0, Dt. 29.10.2018	
	Wt: 306.6 kg	Wt: All		
NORSOK M-630 Edn. 6 MDS N01 Rev. 5 ASTM B564 UNS N06625	Thk: 87.5 mm	Thk: 87.5 mm	MS-M650-03 Rev.0, Dt. 08.04.2018 & QTR-650-03 Rev. 0, Dt. 29.10.2018	
	Wt: 163 kg	Wt: 326 kg		

* Note: Reference material is not covered in cl. 10.2.2, Table 1 of Norsok M-650 Edn. 4. Maximum qualified thickness and weight range can be mutually agreed between the manufacturer and purchaser.

Sites covered by this Statement

Site Name	Address
CHW Forge Pvt. Ltd.	Accheja, PO Dujana, G.T. Road, Greater Noida (Phase II) 203207

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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 Edn. 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. Weld repair is not acceptable.
7. NDT operator qualification shall be as per NS-EN ISO 9712/ equivalent based on the purchaser's requirements.
8. A temperature uniformity survey for the heat treatment furnaces shall be carried out annually in accordance with API Spec 6A, Annex M, ASTM A 991 or equivalent and additional requirements of NORSOK M-650 Edn. 4 Annex B.
9. This certificate is issued after satisfactory completion of qualification as per Norsok M-650 Edn.4 and Norsok M-630 Edn. 6.
10. Qualification conducted based on the requestion letter from the manufacturer.
11. Acceptance of QTR is at the discretion and determination of the purchaser.

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 valid only for the product(s) listed above
- A visit shall be made to the manufacturer in case of changes to essential variables, manufacturing summary or during re-qualification. Manufacturer shall inform the local DNV GL office for any changes made with respect to QTR / Manufacturing Summary

The following changes may render this Statement invalid:

- Any deviation to application / limitation listed above
- Amendments to the reference standard and manufacturing summary

END OF STATEMENT