



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000083
Revision No:
3

This is to certify:

That

BFN Forgings Private Limited
Survey No. 140/2, Village & Post-Saravali, Palghar Road, Boisar,
Dist.- Palghar -401501, Maharashtra,
India

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Forgings for hull structures and equipment Forgings for shafting and machinery Stainless steel forgings
Steel type(s)	Carbon and carbon-manganese, Austenitic stainless, 22Cr duplex stainless
Forging method	Open die forging / closed die forging
Max. weight	See page 2
Heat treatment condition	See page 2
Additional approval conditions	Including austenitic stainless steel for low temperature service

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2021-06-25**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local station: **Mumbai FiS**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



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Particulars of the approval

Forgings for hull structures and equipment

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	VL F400UW, VL F440UW, VL F480UW, VL F520UW, VL F560UW, VL F600UW	OD, CD	135	N, NT, QT

Forgings for shafting and machinery

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	VL F400U, VL F440U, VL F480U, VL F520U, VL F560U, VL F600U, VL F640U, VL F680U, VL F720U, VL F760U	OD, CD	135	N, NT, QT

Stainless steel forgings

Steel type / grade ⁴⁾	Forging method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
Austenitic stainless	OD, CD	135	SHT
22Cr duplex stainless	OD, CD	135	SHT

Remarks:

- 1) OD: Open die forging; CD: Closed die forging
- 2) N: Normalised; NT: Normalised and tempered; QT: Quenched and tempered; SHT: Solution heat treated
- 3) Incl. equivalent grades in acc. to other standards
- 4) Stainless steel forgings shall be in accordance with recognized standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214. Recognition of other standards is subject to submission to the Society for evaluation