

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000018F
Revision No:
1

This is to certify:

That

Viraj Profiles Limited

**Survey No.140/1& G-75 MIDC Tarapur Industrial Area, Boisar, Dist & Taluka
Palghar, Maharashtra-401506,
India**

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Stainless steel forgings
Steel type	Austenitic stainless, Martensitic stainless, Ferritic stainless, 22Cr duplex stainless, See page 2
Forging method	Open die forging / closed die forging / ring rolling, See page 2
Max. weight	1 200 kg
Heat treatment condition	See page 2

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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2020-02-06**

for **DNV GL**

This Certificate is valid until **2022-12-31**.

DNV GL local station: **Mumbai**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-007030-2**
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Particulars of the approval

Stainless steel forgings

Steel type / grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Austenitic stainless	OD, CD, RR	1 200	SHT
Martensitic stainless	OD	1 200	QT
Ferritic stainless	OD	1 200	A
22Cr Duplex stainless	OD, CD, RR	1 200	SHT

Remarks:

- 1) OD: Open die forging
CD: Closed die forging
RR: Ring Rolling
- 2) SHT: Solution Heat Treated (Solution Annealing)
QT: Quenched and tempered
A: Annealed
- 3) Stainless steel forgings shall be in accordance with recognized standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214, provided that supplementary requirements contained herein are also met. Recognition of other standards is subject to submission to the Society for evaluation.