

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Chandan Steel Limited - Unit 5

Plot Nos 31,32,33B,35 & 36, 102/3, 45 & 46, GIDC Umbergaon, Dist. Valsad, Gujarat 369171, 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 Austenitic-ferritic (22Cr duplex) stainless
Forging method	Open die forging / closed die forging, see page 2
Max. weight	See page 2
Heat treatment condition	Solution heat treated
Additional approval conditions	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 **2019-01-22**

for **DNV GL**

This Certificate is valid until **2021-12-31**.

DNV GL local station: **Mumbai**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-004567-2**
Certificate No: **AMMM00002E7**

Particulars of the approval

Stainless steel forgings

Steel type ³⁾⁴⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Austenitic	OD, CD	1 500	SHT
22 Cr Duplex	CD	20	SHT

Remarks:

- 1) OD: Open die forging
CD: Closed die forging
- 2) SHT: Solution Heat Treated (Solution Annealing)
- 3) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules
- 4) Incl. equivalent grades in acc. to other standards

Special conditions:

Including austenitic stainless steel for approved low-temperature applications