



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002FA
Revision No:
1

This is to certify:

That

Chandan Steel Limited

Plot Nos 31,32,33B,35 & 36, 102/3,45 & 46, GIDC Umbergaon, Dist. Valsad, Gujarat 369171, India

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV rules for classification – Ships

and the following particulars:

Application area	Stainless steel
Products	Bars, Sections (angles, channels, flat bar), Semi-finished products; billets
Grades	Austenitic stainless, Ferritic-austenitic (duplex) stainless
Manufacturing method	AOD process, continuous casting / ingot casting
Max. thickness / diameter	See page 2
Heat treatment condition	See page 2
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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-02-03**

This Certificate is valid until **2024-12-31**.

DNV local station: **Mumbai FiS**

Approval Engineer: **Andreas Koch**



for **DNV**

Digitally Signed By: Wildhagen, Christian
Location: DNV GL Hamburg, Germany
Signing Date: 04.02.2022, on behalf of

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.



Form code: AM 311

Revision: 2021-03

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Particulars of the approval

Rolled round bars intended to be machined into components

Steel type ³⁾	Product	Steel making ¹⁾	Max. thickness [mm]	Heat treatment condition ²⁾
Austenitic stainless	Bar	AOD, CC or IC	108	SHT
22Cr duplex	Bar	AOD, CC or IC	108	SHT

Sections & flat bar

Steel type ³⁾	Product	Steel making ¹⁾	Max. Dimensions [mm]	Max. thickness [mm]	Heat treatment condition ²⁾
Austenitic stainless	Section (angles)	AOD, CC or IC	120x120	10	SHT
	Section (channel)	AOD, CC or IC	130x65	6	SHT
	Flat bar	AOD, CC or IC	20	5	SHT

Semi-finished products

Steel type	Product	Steel making ¹⁾	Max weight [kg]	Max. thickness [mm]	Heat treatment condition ²⁾
Austenitic stainless	Billet	BOC, CC	314	200	AC
22Cr duplex	Billet	BOC, CC	314	200	AC

Remarks:

- ¹⁾ AOD: Argon Oxygen Decarburisation
 CC: Continuous casting
 IC: Ingot casting
- ²⁾ SHT: solution heat treated (solution annealed)