

APPROVAL OF MANUFACTURER CERTIFICATE

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 GL rules for classification – Ships

and the following particulars:

Application area Products	Stainless steel 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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-02-18**

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: **263.11-004574-2**
Certificate No: **AMMM00002FA**

Particulars of the approval

Rolled round bars intended to be machined into components

Steel type ³⁾	Product	Steel making ¹⁾	Max. Thickness [mm]	Delivery 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]	Delivery 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]	Delivery 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)