



Chandan Steel Limited is India's fully integrated Stainless Steel Production House having accomplished numerous milestones and accredited with QMS ISO 9001:2015, PED 2014/68/EU, AD 2000-Merkblatt WO, BV Marine, ABS, DNV GL, Lloyd's Register, NORSOK by TUV Nord.

The manufacturing operation were initiated in the year 1985 at Umbergaon, Gujarat. Since then, the company has been serving the global market successfully by exporting to more than 85 countries worldwide. As an established manufacturer of Stainless Steel products such as Seamless Tubes and Pipes, Forged Flanges and Long Products like Round bars, Angles, Channels, Flat bars, Wire Rods and Wires, aided by state-of-the-art equipment, the brand name is famed across all business sectors globally. CSL continues making new forays in the global market and has commissioned a state-of-the-art Wire rod mill which enables Chandan Steel Limited to produce Wire rods ranging from 5.5 to 32mm.

Chandan Steel Limited have the advantage of having India's only in-house Stainless Steel making & refinement facilities besides complete infrastructure for converting round ingots to mother hollows followed by Pilgering & associated process to produce Stainless Steel Tubes along with other facilities producing SS Forged Flanges and SS Long Products. At present, the melting and refining capacity is enhanced to produce 120,000 MT/Annum. For years, CSL have maintained the tradition of concentrating on installation of the state-of-the-art equipment's, steadfast infrastructure and delivering quality material to the customers. Significant investment has been made in new capacity and infrastructure to serve the industry.

Infrastructure & Capabilities

The plant spreads across an extensive area of 2,50,000 square meters. Umbergaon was made the manufacturing base due to its proximity to Mumbai. The plant is well equipped with top-notch facilities and continues to stay at par with the principles of Chandan Steel. Mentioned below are the prime capabilities of our Company.

- 25-ton Induction Furnace with 30-ton AOD vessel
- Ladle Refining facilities
- 6/11 Double Strand Concast & Ingot pouring facilities
- State-of-the-art EMS
- 4 Hot Rolling Mills
- Newly installed high-speed wire rod mill
- Schumag Drawing machines, Peeling machines, Centerless grinding machines
- 10 Open & Close Die Hammers & Ring Rolling machines
- More than 100 CNC machines
- Hot Piercing with high-speed Pilger machines
- Chemical, Mechanical and Physical testing laboratories

Austenitic, Super Austenitic, Martensitic, Ferritic, Duplex and Super Duplex grades
(other Stainless Steel grades on request)

www.chandansteel.net

Forging Division

Specification (As per latest edition)	Item Type	Pressure Class	Size Range
ASME/ANSI B16.5	WNRF/SORF/BLRF/SWRF/ LJ/THDR/H HB/RTJ	150, 300, 400, 600, 900, 1500, 2500LBS	1/2" to 12"
		150, 300, 400, 600, 900, 1500LBS	14" to 24"
ASME/ANSI B16.47	WNRF/BLRF (Series A & B)	75, 150, 300LBS	26" to 62"
		400, 600LBS	26" to 42"
		900LBS	26" to 30"
ASME/ANSI B16.36	WNRF/SORF/THDRF (ORIFICE FLANGES)	300, 400, 600, 900, 1500, 2500LBS	1" to 12"
BS EN 1092-1 Flanges	Type 01, Type 02, Type 04, Type 05, Type 11, Type 12, Type 13, Type 21, Type 32, Type 33, Type 34, Type 35, Type 36, Type 37	PN2.5, PN6, PN10, PN16,	DN 10 to DN 1500
		PN25	DN 10 to DN 1200
		PN40, PN63	DN 10 to DN 600
		PN100, PN160	DN 10 to DN 400
		PN250, PN320	DN 10 to DN 250
DIN Flanges	DIN2527, DIN2566, DIN2573, DIN2576, DIN2641, DIN2642, DIN2655, DIN2656, DIN2627, DIN2628, DIN2629, DIN2631, DIN2632, DIN2633, DIN2634, DIN2635, DIN2636, DIN2637, DIN2638, DIN2673	PN2.5, PN6, PN10, PN16,	DN 10 to DN 1500
		PN25	DN 10 to DN 1200
		PN40, PN63	DN 10 to DN 600
		PN100, PN160	DN 10 to DN 400
		PN250, PN320	DN 10 to DN 250
BS 4504 SEC 3.1	Code 111, Code 112, Code 113, Code 133, Code 101, Code 102, Code 104, Code 105	PN2.5, PN6, PN10, PN16,	DN 10 to DN 1500
		PN25	DN 10 to DN 1200
		PN40, PN63	DN 10 to DN 600
		PN100, PN160	DN 10 to DN 400
		PN250, PN320	DN 10 to DN 250
BS 10	Welding Neck, Slip-on, Blind, Bossed Slip-on, Bossed Blind	TABLE - A, D, E, F, H, J, K, R, S, T	DN 15 to DN 600
ASME/ANSI B16.9/MSS SP- 3	Stub end - Type: A, B, C	S10, S40, S80	½ to 24

*Customised forged flanges as per drawing also available on request.

FORGING DIVISION

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**Austenitic, Super Austenitic, Nickel Alloy, Duplex and Super Duplex grades
(Other Stainless Steel & Higher Nickel Alloy grades on request)**

BRIEF INTRODUCTION

Our Tube Sheets & Large Diameter Seamless Rings manufacturing facilities consists of Ultra Modern Bandsaw Cutting, Ring Rolling & Open Die Forging capabilities, CNC Machining, latest Testing and Lab equipment, which gives to company the inherent advantage, simultaneously meet different customer demands and optimize production. Unlike any in the industry, we use our own Raw Material received from our Melt Shop for forging these products.

MAJOR MANUFACTURING FACT:

Raw Material Cutting	: Band Saws With Cutting Facility of up to 1100 MM Dia
Forging	: 3 Meter Wagner (German) Fully Automatic Ring Rolling Machine 2000 Ton Kawasaki Hydraulic Press 2 Open Die Hammers of 6000 KJ Capacity Each
Machining	: CNC VTL's & Horizontal Lathes / CNC Vertical Machining Center
Heat Treatment	: Fully Automated Continues Type / Batch Type Furnaces

APPLICABLE STANDARD - : SA182 / SA965 / SA788 / EN10222-5 / B564

GRADES :-

ASTM	DIN	DUPLEX / SUPER DUPLEX	HIGH NICKEL ALLOYS
A182/182M F304, F304L, F304/304L, F304H, F316, F316L, F316/316L, F316H, F317L, 317H, F321, 321H, F347, 347H, F316Ti, F904 & 904L	EN 10222-5, WNR 1.4541, WNR 1.4571, WNR 1.4301, WNR 1.4306, WNR 1.4307, WNR 1.4401, WNR 1.4404, WNR 1.4438, WNR 1.4462	F60 - S31803, F51 - S32205, W.Nr - 1.4462, F53 - S32750, W.Nr 1.4410, F55 - S32760, W.Nr 1.4501, Lean Duplex S32304, W.Nr 1.4362	NICKEL 200 / UNS N02200 / W.Nr. 2.4060 & 2.4066, MONEL 400 / UNS N04400 / W.Nr. 2.4360 & 2.4361, INCONEL 800 / UNS N08800 / W.Nr. 1.4876, INCONEL 825 / UNS N08825 / W.Nr. 2.4858, INCONEL 600 / UNS N06600 / W.Nr. 2.4816, INCONEL 625 / UNS. N06625/W.Nr. 2.4856, INCONEL 718 / UNS N07718 / W.Nr. 2.4668, HASTELLOY C-276 / UNS N10276 / W.Nr. 2.4819, HASTELLOY C-4 / UNS N06455 / W.Nr. 2.4610, HASTELLOY C-22 / UNS N06022 / W.Nr. 2.4602

SIZE RANGE :-

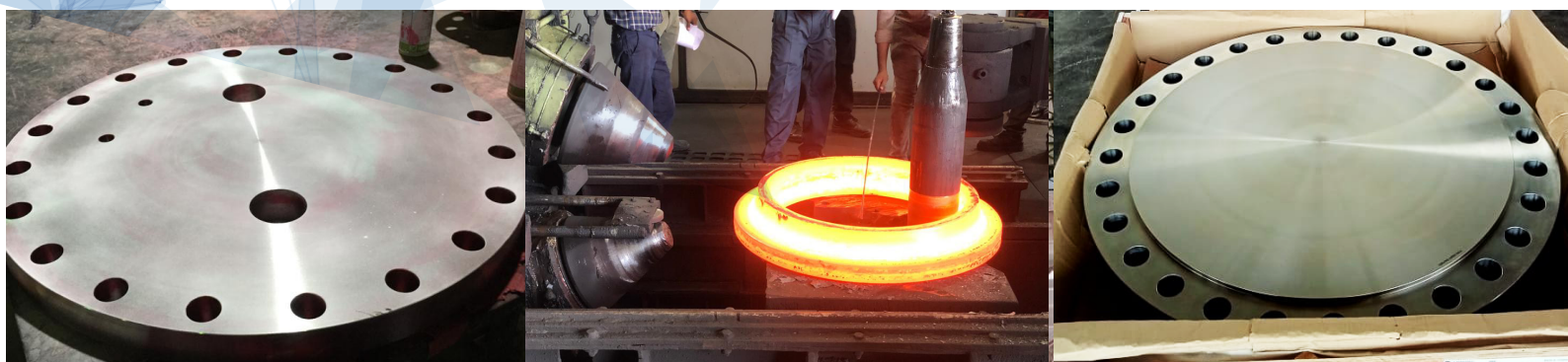
1. Rings and Profiles Up to 1800 mm Diameter and 400 mm Height.
2. Blanks / Tube Sheets Up to 1800mm OD & 200mm thickness (Maximum 2000 Kgs).

APPLICATION:- Wind Mills, Renewable Energy, Heat Exchangers, Aerospace, Defence, Boilers, Large Bearings, Large diameter Sleeves, and many other Industry applications.

SUPPLY CONDITION :- Forged, Heat Treated and Rough Machined or Fully Machined.

DELIVERY PERIOD :- Shipment in 8 - 12 weeks (Ex-mill) or as per special instructions by the customer.

ANNUAL PRODUCTION CAPACITY : The annual production capacity is 12,000 metric tons for Forged Flanges and Stub Ends, along with 4,000 metric tons for large diameter Tube Sheets, Rings & Profiles.



**Austenitic, Super Austenitic, Nickel Alloy, Duplex and Super Duplex grades
(Other Stainless Steel & Higher Nickel Alloy grades on request)**



Mission & Vision

"Our mission is to promote high quality stainless steel products and services. We seek to grow our business with the same honesty and integrity we use to manufacture our products, while we contribute highest to the environment."

"Our vision is to become one of the most preferred suppliers and leading manufacturer of stainless steel products and to retain confidence in our customers in terms of trust, satisfaction and sustainability."

FORGING DIVISION

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PLANT

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