



# Moulding milestones of excellence



Hastalloy  
India Ltd.

## About Us

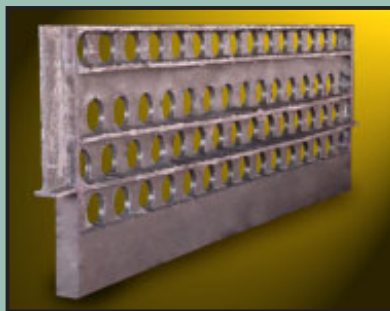
HASTALLOY INDIA LTD., a name synonymous with premium quality alloy steel castings for over 25 years, since inception. This **ISO 9001-2015** facility is situated at Anakapalle on **NH-16**, 15km from Vizag Steel Plant and 35km from the Visakhapatnam city. The alloy steel foundry is headed by the Managing Director - a metallurgist having more than two decades of experience in foundry industry - supported by a team. A team consisting of experienced executives, qualified engineers and skilled workmen. A team, willing to tackle any challenge to ensure quick and dependable deliveries of any international standards. Hastalloy India Ltd., is renowned for its excellence in every sphere of foundry and metallurgical engineering, meeting diverse customer needs.

## Production Facilities

Hastalloy has a highly efficient unit producing a wide range of alloy steel castings conforming to national and international standards. In-house facilities include Medium Frequency Induction Furnaces ranging from 75kg to 2400kg, Optical Emission Spectrometer (27 elements), 5 ton EOT Crane for material handling, Sand Mixers, Electric Heat Treatment Furnace with aerated quench facilities, Oil Fired Heat Treatment Furnaces (10 MT), Shot Blast Machine, associated tools & equipment like Grinders, Chippers, Welding Transformers & Rectifiers, Lathe & Planing Machine for providing proof machining etc. supported by a fully equipped and versatile Pattern Shop.



Support Brackets (ASTM A-297 Gr-HF)



Tube Sheet (ASTM A-560 50Cr-50Ni Nb)



Wall Tube Hangers (ASTM A-351 HK40)



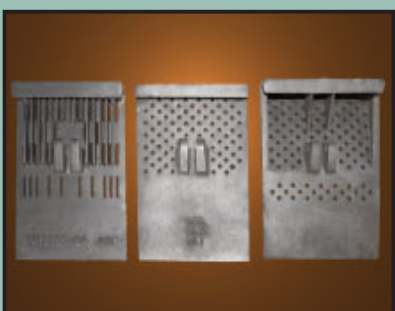
Return-Bend (ASTM A-351 CT15C)



Cleaves (CF8/WC9)



Diaphragm Castings (ASTM A-439)



Cooler Plates (IS:4522 Gr-7/9)



Grate Bar (IS:4522 Gr-7)



Kiln Segments (IS:4522 Gr-7)

## Industrial Spectrum of Hastalloy Products

Hastalloy manufactures Engineering Castings and Cast Weld Assemblies for Abrasion, Wear, Corrosion and Heat Resistant applications. They comprise of Super Alloys with Nickel, Chromium, Cobalt and Iron base.

Industry	Item	Alloy Grades
Oil Refineries & Petro chemicals.	Tube Sheets, Wall & Roof Hangers, Tube Supports, Brackets, Return-Bends & Elbows, Pumps & Valves Components, etc.	ASTM A297-HF/HH/HK/HP 25Cr35Ni Nb-HP Modified ASTM A351-HK40, CT15C ASTM A216-WCB ASTM A217-WC9 ASTM A560 -50Cr50Ni-Nb
Cement Plants	Grate Plates, Carrier Frames, Immersion Tubes, Cooler Plates, Tip Castings, Segments, Grate Bars, Nose Rings, Inlet Trays, Mouth Outlets, Chain Links etc.	ASTM A297-HH/HK/HT (or) IS4522 - Grade 4/7/9/10
Defence Applications	War Tank Items, Track Links, Sprockets; Hull Glands, Snout Exhaust Items etc. for Submarines; Fixtures for High Temperature Turbine and Aero-Engine Components etc.	ASTM A128A, ASTM A352-LC2 Special
Chemicals & Fertilizers	Tube Sheets, Grate Feed Pipes, Pumps & Valve Bodies Bonnets etc.	ASTM A351-HK40 25Cr35Ni Nb - HP Modified Hastealloy grades (B,C etc.)
Steel Plants	Grate Bars, Cage Bars, Liner Plates, Sinter Cars, Grizzly Discs, Blow Pipes, Nose Castings, Roof Hangers etc.	ASTM A297-HH,HL ASTM A216-WCB UMCO 51 (Co -base)
Heavy Engineering / Heavy Electricals	Gas Turbine Parts, Diaphragm Castings, Liner Plates, Shroud Segments, Stage Bodies, Bullring Segments, Hi-chrome Liners, Nozzles, Inner & Outer Casings - Creep Resistant Steel etc.	ASTM A439-D3A ASTM A743-CN7M ASTM A352-LC2
Furnace & Allied Industries.	Hearth Rollers, Wall Hangers, Heat Treatment Trays, Heat Elements, Fixtures & Retorts, Furnace Beams & Frames, Suspension Hooks, Skids, Fingers etc.	ASTM A297-HH, HK, HT, HX

## Common Grades of Alloys manufactured in HASTALLOY

Category	Specification	Trade name
Heat Resistant	ASTM A297 – HF, HH, HK, HT, HX ASTM A560 – 50Cr50Ni-Nb ASTM A439 – D3A	HRCS - Niresist
Corrosion Resistant	ASTM A743 – CF8 ASTM A743 – CF8M ASTM A743 – CN7M ASTM A743 – CA15	SS304 SS316 Alloy 20 SS410 Hastealloy
Wear Resistant	ASTM A532 – ID ASTM A532 – IIIA ASTM A128 – A ASTM A128 – D	Ni-hard Eut – Ni-hard Hadfield steel -
General Purpose	ASTM A216 – WCB ASTM A532 – LC2	Cast Steel Cr-Steel

HASTALLOY manufactures to Indian and all major International Specifications like IS, ASTM, DIN, BS and/or as per customers' specific requirements.

## Quality Assurance

Hastalloy stands for quality and reliability. Hastalloy is **ISO 9001-2015** certified. Stringent quality assurance procedures start right from raw material. Periodic reference tests are conducted for establishing elevated temperature properties. Products are inspected through various stages of production for casting soundness, surface finish, mechanical and chemical properties, microstructure and physical dimension. Material testing most frequently applied are:

- Inward Material Inspection ■ Chemical Analysis through Spectrometer
- Radiographic Examination ■ Liquid Penetrant Examination ■ Magnetic Particle Examination
- Ultrasonic Examination ■ Dimensional Tolerances ■ Positive Material Identification (PMI)

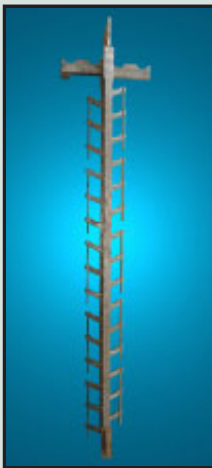
This is further augmented by most products undergoing inprocess and final inspection by reputed third party inspection agencies like Lloyds, SGS, BVIS, DNV etc.

**Meticulous attention to detail ensures castings supplied are metallurgically sound, meeting all the quality parameters needed for service in hostile and demanding operating environment.**

## Clientele

Hastalloy serves various industrial sectors like:

- Refineries & Petrochemical Industries: BRPL, BPCL, CPCL, HPCL, IOCL etc.
- Cement Plants: ACC Cement, Century Cement, Ckoramaandel Cement, India Cements Group, Mancherial Cement, Penna Cement, Shriram Cement etc.
- Defence Sector: HAL, Hindustan Shipyard etc.
- Chemical & Fertilizes: IFFCO, Indo-Gulf Fertilizers, Rashtriya Chemicals and Fertilizers etc.
- Heavy Engineering & Electricals: BHEL, BHPV, Bridge & Roof, Heurtey Petrochem, Thermax etc.
- EPC Contractors : L&T, Lurgi India, Technip KT India Ltd., Toyo Engineering etc.
- Furnace & Allied Industries: Enmass Andritz Pvt Limited, Electrotherm, Jindal SAW etc.



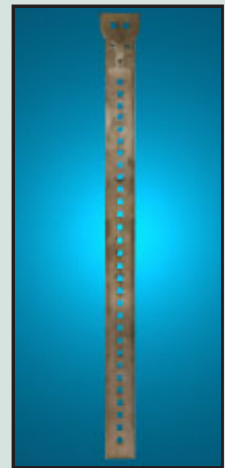
I - Beam Casting Assembly  
9 mtr length (Single Piece)  
(ASTM A-351 HK 40)



Track Links (IS:276 Gr-3)



Cast Chain (ASTM A-351 HK 40)



I - Beam for X-Mas Tree Casting  
9 mtr length  
(Single Piece)  
(ASTM A-351 HK 40)

For enquiries, please contact us at



## HASTALLOY INDIA LIMITED

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