



DEEP STEEL CENTRE

ISO 9001: 2008 Certified Company



**Specialist in High Nickel Alloy
GRADE INCONEL, MONEL, DUPLEX, HASTELLOY,
TITANIUM, SUPER DUPLEX, COPPER NICKEL**





Specialist in High Nickel Alloy

GRADE INCONEL | MONEL | DUPLEX | HASTELLOY | TITANIUM | SUPER DUPLEX | COPPER NICKEL



DEEP STEEL CENTRE

Company Profile

We would like to thank you for visiting our website and connecting with us through the Internet. Since the establishment of our company in 1974, it has grown as one of the leading enterprises handling Stainless Steel and Nickel Alloy materials in India. As of today we are a 100% family owned, Partnership Firm.

We regard customer satisfaction as one of our key business goals along with the responsibility for highest quality & competitive prices. We have a strong network and sufficient supply sources that help us satisfy various needs of our customers on time.

We will be more than happy to have your feedback and suggestion to improve our services. We look forward to have your continuous support and encouragement to help us attain our goals.

Thanking you and assuring you of our best services and attention at all time.

Our Vision

Our vision is to help customers develop their energy resources by bringing world class capability and delivering it locally. We promote commercial arrangements that are aligned with our customers needs.

Our Mission

Provide technically sound solutions and create additional value in mutual interest with our customers resulting in being a preferred Stockists & Suppliers within the Stockists & Suppliers industry.

FLANGES

Duplex & Super Duplex	: UNS S31803, UNS S32750, UNS S32760,
Hastelloy Alloy	: ASTM B564 Hastelloy B2, C276, C22
Incoloy Alloys	: ASTM B564 Alloy 20, Alloy A286 Alloy 800H/800HT, Alloy 825,
Inconel Alloys	: ASTM B564 Alloy 600, Alloy 601, Alloy 625, Alloy 718, Alloy 725,
Monel Alloys	: ASTM B564 Monel 400, Monel K500.
Stainless Steel	: ASTM A182, 317, 317L, 321, 310, 347, 904L
Size	: 1/2" NB TO 72" NB
Class	: 150#, 300#, 600#, 900#, 1500# & 2500#.

Standard

ANSI Flanges	: 150#, 300#, 600#, 900#, 1500# & 2500#.
AWWA	: Class 2B, 2D, 4E, 5E, 6E
DIN	: PN6, PN10, PN16, PN25, PN40
JIS	: 5K, 10K
BS	: Table D, E, F.





Specialist in High Nickel Alloy

GRADE INCONEL | MONEL | DUPLEX | HASTELLOY | TITANIUM | SUPER DUPLEX | COPPER NICKEL



DEEP STEEL CENTRE

Buttweld Fittings

We are engaged in manufacturing and exporting wide range of Butt Weld Fitting that is available in varied types & grades sourced from reliable vendors, these fittings are highly acknowledged for their high tensile strength, durability and accurate alloy composition. These find application in several industries such as oil & gas, automobile, acid & chemical, pharmaceutical and cement industries. We are known for our Butt Weld Fittings.

Duplex & Super Duplex: UNS S31803, UNS S32750,
UNS S32760

Hastelloy Alloy : ASTM B366 Hastelloy B2, Hastelloy C276
Hastelloy C22

Incoloy Alloys : ASTM B366 Alloy 20, Alloy 800H/800HT,
Alloy 825, Alloy A286

Inconel Alloys : ASTM B366 Alloy 600, Alloy 601, Alloy 625,
Alloy 718, Alloy 725,

Monel Alloys : ASTM B366 Monel 400, Monel K500.

Stainless Steel : ASTM A403, 317, 317L, 321, 310, 347, 904L

Size : 1/4" NB TO 24" NB (seamless)
4" NB TO 72" NB (welded)

Wall Thickness : Sch. 5s To Sch. XXS

TYPE OF BUTTWELD FITTINGS

- TEE (EQUAL /UNEQUAL)
- REDUCING TEE
- SHORT STUB BEND
- RETURN BENDS
- CAP
- ELBOW (1D/1.5D/3D/5D)
- LONG STUB BEND
- REDUCER (CONCENTRIC/ECCENTRIC)
- MITER BENDS



Bright Bars / Rods

Our high-end manufacturing programme facilitates the manufacturing of high-quality Rods and Bars. Our own casting capacities that exceed our flexibility by being able to manufacture a wide range of alloys that help us attain excellent mechanical product properties & ability to manufacture Rods, Tubes and Pipes out of more than 100 different chemical compositions.

Stainless Steel : ASTM A / ASME SA 312 GR. TP, 316Ti,
316H, 316LN, 317, 317L, 321, 321H, 347,
347H, 904L.

Duplex Steel : ASTM A / ASME SA 790 UNS NO S32205
/ S32760 / S31803 / S32760 / S32550 /
254SMO

Hastelloy Alloys : Hastelloy C276, C22, B2, B3, C4 &
Hastelloy X

Incoloy Alloys : Alloy 20, Alloy 800, Alloy 800H/800HT,
Alloy 825, 925, Alloy A286, Nickel 201

Inconel Alloys : Inconel Alloy 600, 601, 625, 718, 725,
Inconel Alloy X750

Monel Alloys : Monel 400, Monel R405, Monel K500
Type : Round / Square / Hexagonal / Rectangular

Bright Bars Size Ranges :

- Cold Drawn, Ground Polished : 3mm - 22mm (1/8"-7/8")
- Smooth & Polished : 25mm - 85mm (1"-3.1/4")
- Smooth / Rough Turned : 90mm to 160mm





Specialist in High Nickel Alloy

GRADE INCONEL | MONEL | DUPLEX | HASTELLOY | TITANIUM | SUPER DUPLEX | COPPER NICKEL



DEEP STEEL CENTRE

Pipes & Tubes

We are one of the most trusted Stockist for offering finest range of Stainless Steel, Duplex Steel, Carbon & Alloy Steel Pipes. Used in different industries for diverse applications, these pipes can be available in standard as well as customized dimensions as per requirement of the clients. These pipes are appreciated for their sturdy and precise construction. We are known for offering our product range at reasonable prices and delivering consignment within given time frame.

Stainless Steel : ASTM A / ASME SA 312 GR. TP, 316Ti, 316H, 316LN, 317, 317L, 321, 321H, 347, 347H, 904L.

Duplex Steel : ASTM A / ASME SA 790 UNS NO S32205 / S32760 / S31803

Nickel Alloy

ASTM / ASME SB 161/B725/B730 UNS 2200 (NICKEL 200 & 201)
ASTM / ASME SB 165/B725/B730 UNS 4400 (MONEL 400 & 500)
ASTM / ASME SB 729/B464/B468 UNS 8020 (ALLOY 20 / 20 CB 3)
ASTM / ASME SB 423/B705/B704 UNS 8825 (INCONEL 825)
ASTM / ASME SB 167/B517/B516 UNS 6600 (INCONEL 600)
ASTM / ASME SB 444/B705/B704 UNS 6625 (INCONEL 625)
ASTM / ASME SB 622/B619/B622 UNS 10276 (HASTELLOY C276)

Types : Round, Square, Rectangular.

Size : 3/8" NB to 24" NB. (Seamless)

1/2" NB to 120" NB. (Welded) ERW / SAW

Wall Thickness : Sch.5S to Sch. XXS & as specified.



Sheet / Plates / Coils

We have been offering to our clients a vast range of sheets and coils, that are offered in various specifications to our clients. Catering to the requirements of various industries, our range is known for its corrosion resistance, durability & high tensile strength.

Our clients can avail from us Plates that are manufactured using high grade stainless steel. These cater to the requirements of various industries and are known for their attributes, such as high tensile strength, corrosion resistance & long life usage. Further, we also have the expertise to customize our range as per the requirements.

Stainless Steel : Plates as per ASTM A240, Gr. TP 304, 304L, 304LN, 309, 309S, 309H, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H, 409, 410, 420, 430 etc.

Nickel Alloy

ASTM / ASME SB 162 UNS 2200 (Nickel 200)
ASTM / ASME SB 162 UNS 2201 (Nickel 201)
ASTM / ASME SB 127 UNS 4400 (Monel 400)
ASTM / ASME SB 463 UNS 8020 (Alloy 20 / 20 CB 3)
ASTM / ASME SB 424 UNS 8825 (Inconel 825)
ASTM / ASME SB 168 UNS 6600 (Inconel 600)
ASTM / ASME SB 409 UNS 8810/8811 (Inconel 800/800HT)
ASTM / ASME SB 443 UNS 6625 (Inconel 625)
ASTM / ASME SB 575 UNS 10276 (Hastelloy C276)

Aluminium Alloys : 2014, 2024, 5052, 5083, 5086, 6061, 6063, 6082, 6351, 7075

Range : 0.5 mm To 200 mm thick in 1000 mm To 3000 mm width & 2500 mm To 12500 mm Length available with NACE MR 01-75





Specialist in High Nickel Alloy

GRADE INCONEL | MONEL | DUPLEX | HASTELLOY | TITANIUM | SUPER DUPLEX | COPPER NICKEL



DEEP STEEL CENTRE

TECHNICAL INFO OF NICKEL BASED ALLOYS

U.S.A. / GROSSBRITANNIE U.S.A. / GRANDE-BRETAGNE U.S.A. / GREAT BRITAN													
Analyses		Analyses Composition											
Handelsbezeichnung Designation Commercial Commercial designation	C%	Co%	Cr%	Mo%	Ni%	V%	W%	Ai%	Cu%	Nb/Cb Ta%	Ti%	Fe%	Sonstige Autres -Other %
Monel 400	0.12	-	-	-	65.0	-	-	-	32.0	-	-	1.5	Mn 1.
Monel 401	0.10	-	-	-	43.0	-	-	-	53.0	-	-	0.75	Si 0.25; Mn z25
Monel 404	0.15	-	-	-	52.0-57.0	-	-	0.05	rest/bal	-	-	0.50	Mn 0.10; Si 0.10; So.024
Monel 502	0.10	-	-	-	63.0-17.0	-	-	2.5-3.5	rest/bal	-	0.50	2.0	Mn 1.5; Si:So.010
Monel k 500	0.13	-	-	-	64.0	-	-	2.8	30.0	-	0.60	1.0	Mn 0.8
Monel B	0.10	1.25	0.60	28.0	rest/bal	0.30	-	-	31.0	-	-	1.2	Mn1.0; So.0.04
Hastelloy B2	0.02	1.0	1.0	26.0-30.0	rest/bal	-	-	-	-	-	-	2.0	Mn1.0; Si 0.10
Hastelloy C	0.07	1.25	16.0	17.0	rest/bal	0.30	40	-	-	-	-	5.75	Mn 1.0; Si 0.70
Hadselloy C4	0.015	2.0	14.0-17.0	14.0-17.0	rest/bal	-	-	-	-	-	0.70	3.0	Mn1.0; Si 0.70
Hastelloy C276	0.02	2.5	14.0-16.5	15.0-17.0	rest/bal	0.35	3.0-4.5	-	-	-	-	4.0-7.0	Mn 1.0; Si 0.05
Incoloy 800	0.04	-	21.0	-	32.0	-	-	0.3	-	-	0.4	45.0	-
Incoloy 801	0.05	-	20.5	-	32.0	-	-	-	-	-	1.1	45.0	-
Incoloy 802	0.35	-	21.0	-	32.0	-	-	0.6	-	-	0.7	45.0	-
Incoloy 804	0.05	-	29.5	-	41.0	-	-	0.3	-	-	0.6	25.4	-
Incoloy 805	0.12	-	7.5	0.50	36.0	-	-	-	0.10	-	-	rest/bal	Mn 0.60; Si 0.50
Incoloy 810	0.25	-	21.0	-	32.0	-	-	-	0.50	-	-	rest/bal	Mn 0.90; Si 0.80
Incoloy 825	0.04	-	21.0	3.0	42.0	-	-	-	2.0	-	1.0	30.0	-
Incoloy 901	0.05	-	12.5	6.0	rest/bal	-	-	-	-	-	2.9	34.0	Mn 0.24; 0.12; 0.015
Incoloy 903	0.02	15.0	-	-	38.0	-	-	0.7	-	Nb 3.0	1.4	41.0	-
Incoloy 904	0.02	14.0	-	-	33.0	-	-	-	-	-	1.7	50.0	-
Incoloy 600	0.05	-	15.5	-	75.0	-	-	-	-	-	-	8.0	-
Incoloy 601	0.05	-	23.0	-	60	-	-	1.4	-	-	-	14.0	-
Incoloy 610	0.20	-	15.5	-	rest/bal	-	-	-	0.50	Nb 1.0	-	9.0	Mn0.90; Si 2.0
Incoloy 617	0.07	12.5	22.5	9.0	54.0	-	-	1.0	-	-	-	-	-
Incoloy 625	0.05	-	21.5	9.0	61.0	-	-	0.60	-	Nb 3.65	0.60	2.5	Mn 0.5; Si 0.50
Incoloy671	0.07	12.5	22.5	9.0	51.0	-	-	-	-	-	0.35	-	-
Incoloy 700	0.12	28.5	15.0	3.75	46.0	-	-	3.0	0.05	-	2.20	0.70	Mn 0.10; Si 0.30
Incoloy 702	0.04	-	15.6	-	rest/bal	-	-	3.4	0.10	-	0.70	0.35	Mn 0.05; Si 0.20
Incoloy 705	0.30	-	15.5	-	rest/bal	-	-	-	0.50	-	-	8.0	Mn 0.90; Si 5.5

CHEMICAL COMPOSITION OF TITANIUM / NICKEL BASE ALLOYS

Grade	UNS Designation	C % Max	Mn % Max	P % Max	S % Max	Si % -	Ni %	Co %	Cu %	Ag %	Fe %	Pb %	Zn % Max	N %	Ti % Max	H % Max	O %
70/30 Cu-Nu	C 71500	0.05	1.0	0.02	0.02	-	29.0-33.0	-	-	-	0.40-1.0	0.02	0.50	-	-	-	-
90/10 Cu-Ni	C 70600	0.05	1.0	0.02	0.02	-	9.0-11.0	-	-	-	1.0-1.8	0.02	0.50	-	-	-	-
Titanium Gr. 2	R 50400	0.08	0.03	-	-	-	-	-	-	-	0.30	-	-	-	-	-	0.25
Titanium Gr. 1	R 50250	0.08	0.03	-	-	-	-	-	-	-	0.20	-	-	-	-	0.015	0.18
Type 17-4PH	-	0.07	1.00	0.04	0.03	1.00	3.00-5.00	3.00-5.00	0.15-0.45	-	-	-	-	-	-	-	-
Nickel 200	2200	0.15	0.35	-	0.01	0.35	99.0	-	-	-	0.40	-	-	-	-	-	-
Nickel 201	2201	-	0.35	-	0.01	0.35	99.0	-	0.25	-	0.40	-	-	-	-	-	-

Application Industries
Oil & Gas
Petrochemicals
Chemicals
Power
Cement
General Engineering



DEEP STEEL CENTRE

ISO 9001: 2008 Certified Company

HEAD OFFICE :

165/167, 2nd Floor, Office no.9, Gala Chamber, 2nd Kumbharwada, S.S.Marg, Mumbai - 400 004.

Tel. : +91-22-67436486

Contact Person

Nikhil Bhandari

Mo. +91 99304 66755

Email

: sales@deepsteelalloys.com

deepsteel6486@gmail.com

BRANCH OFFICE :

BHANDARI METAL CORPORATION

Shed No-5, Copper Estate, Opp. Chakudia Mahadev Mandir, Rakhial, Ahemedabad - 380023

Contact Person

Mohit Bhandari

Mo. +91 77158 37740

Email

: bhandaristeel9@gmail.com

bhandarimetalcor@gmail.com

www.deepsteelalloys.com