

QUALITY THAT INSPIRES **CUSTOMERS CONFIDENCE !**

LEADING STOCKISTS & SUPPLIERS OF :

- Pipes • Fittings
- Sheet / Plate / Coils
- Flanges • Valves
- Round Bars
- Fasteners



 **Amigo Impex**

An ISO 9001 : 2015 Certified Co.

COMPANY PROFILE

Founded in 2013, "**Amigo Impex**" is a company known for supplying and exporting quality materials. We offer a wide range of materials like Inconel, Stainless Steel, Monel, Titanium, Hastelloys, Nimonic, Nitronic, 17-4 PH, Super-Duplex and Exotics Materials. Our products include things like rods, pipes, round bars, fittings, sheets and plates.

What makes us different is our attention to detail and dedication to quality. Our team works hard to ensure that every product meets high standards before it gets to you.

What makes us special isn't just what we sell, but how we do it. We pay super close attention to every little detail and always aim for excellence in everything we do. Our team is made up of hardworking experts who never give up. They make sure that everything we offer is top-notch quality before it gets to you.

We don't just sell products; we build relationships with our customers. By understanding their needs, we provide solutions that go beyond their expectations. This approach has earned us trust and loyalty across different industries.

Our leader, Mr. Mayur Jain, inspires us to grow and succeed. His guidance and commitment to excellence motivate us to do better with each project.

As we move forward, we remain focused on quality, customer satisfaction, and innovation. At Amigo Impex, we don't just deliver products; we deliver trust and reliability.

ISO 9001: 2015 Quality Certification



OUR QUALITY ASSURANCE

At **AMIGO IMPEX**, quality is paramount. We meticulously select trusted manufacturers, ensuring products meet international standards. Our experienced inspectors use cutting-edge equipment to rigorously evaluate items in our dedicated testing unit. From sourcing to inspection, we prioritize excellence, guaranteeing superior products and exceeding customer expectations.

Following are the parameters on the basis of which our products are examined:

Resistance against Abrasion & Corrosion

Anti-corrosive properties

Construction

Tensile strength

Durability



AN ISO 9001:2015,
ISO 14001:2015
OHSAS 18001:2017,
& PED 97/23/EC CERTIFIED CO

PRODUCT RANGE AT A GLANCE

RODS



Size : 6mm To 1000mm

Type : Round, Square, Hexagon, Circle & Blanks.

TUBES



Size : 1/16" to 12" outside diameters in
straight lengths and coils,
where applicable.

PIPES



Size : Upto 36" NB. (Seamless & Welded)

Thickness : SCH. 5S To SCH. XXS

Type : Round, Square, Rectangular

SHEET PLATE / COIL



Size : 0.5mm To 200mm & 1000mm To 2500mm

Width : 2500mm To 12500mm

Length available with NACE MR 01-75

FITTINGS & FLANGES



Size : 1/4" NB To 4" NB. (Socketweld & Threaded)

Class : 3000#, 6000#, 9000#.

FASTENERS



Size : M3 to M64

Class : A2 - 70/80, A4 - 70/80



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PIPES & TUBES

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

Nickel Alloys

Inconel :

Inconel 600 (UNS N06600): ASTM/ASME SB 168 UNS 6600
Inconel 601 (UNS N06601): ASTM/ASME SB 168 UNS 6601
Inconel 625 (UNS N06625): ASTM/ASME SB 443 UNS 6625
Inconel 718 (UNS N07718): ASTM/ASME SB 670 UNS 7718
Inconel X-750 (UNS N07750): ASTM/ASME SB 637 UNS 7750
Inconel 800 (UNS N08800): ASTM/ASME SB 407 UNS 8800
Inconel 800H (UNS N08810): ASTM/ASME SB 407 UNS 8810
Inconel 800HT (UNS N08811): ASTM/ASME SB 407 UNS 8811

Monel Alloys :

Monel 400 (UNS N04400): ASTM/ASME SB 127 UNS 4400
Monel K-500 (UNS N05500): ASTM/ASME SB 127, UNS 5500

Hastelloy Alloy :

Hastelloy B-2 (UNS N10665): ASTM/ASME SB 333 UNS 0665
Hastelloy C-22 (UNS N06022): ASTM/ASME SB 574 UNS 6022
Hastelloy C-276 (UNS N10276): ASTM/ASME SB 574 UNS 0276
Hastelloy X (UNS N06002): ASTM/ASME SB 435 UNS 6002

Titanium Alloy :

Grade 2 (UNS R50400): ASTM/ASME B265, B337 UNS 0400
Grade 5 (Ti-6Al-4V) (UNS R56400): ASTM/ASME B265 UNS 6400
Grade 7 (Ti-0.15Pd) (UNS R52400): ASTM/ASME B265 UNS 2400

Nitronic Alloy :

Nitronic 50 (UNS S20910): ASTM A240, A276, A479 UNS 0910
Nitronic 60 (UNS S21800): ASTM A240, A276, A479 UNS 1800

Nimonic Alloy :

Nimonic 75 (UNS N06075): BS HR 5, BS HR 504 UNS 6075
Nimonic 80A (UNS N07080): BS HR 1, BS HR 601 UNS 7080
Nimonic 90 (UNS N07090): BS HR 2, BS HR 202 UNS 7090
Nimonic 263 (UNS N07263): BS HR 10, BS HR 206 UNS 7263

Nickel Alloy :

Nickel 200 (UNS N02200): ASTM B160, B161 UNS 2200
Nickel 201 (UNS N02201): ASTM B160, B161 UNS 2201

Duplex & Super Duplex

Duplex Steel :

Duplex 2205 (UNS S31803/UNS S32205): ASTM A240, A276
Duplex 2507 (UNS S32750): ASTM A240, A276, A479, A789

Super Duplex Steel :

Super Duplex 2507 (UNS S32750): ASTM A240, A276, A479
Zeron 100 (UNS S32760): ASTM A240, A276, A479, A790, A928

Stainless Steel

Stainless Steel : 300 Series

ASTM A-213, A-249, A269-TP 304/304H/304L, 316/316H/316L/316Ti, TP 309, 310, 317L, 321, 347, 904L etc.

Stainless Steel : 400 Series

ASTM A240, A276 - 410, 420, 430, 440C

Alloy Steel

Alloy Steel : ASTM / ASME A 335 Gr. P1, P5, P9, P11, P12, P22, P23, P91

Copper Nickel

Copper Nickel : ASTM B111, C70600, (90:10), C71500 (70:30), C71640

Sizes

Size : 6mm OD to 219.08mm OD
Thickness : 0.6mm - 10mm-Gauge : 22 SWG/BWG to 10 SWG/BWG
Length : Standard Length & Cut Length

Type : - Round | Square | Rectangle



Inconel®, Incoloy®, Monel®, Hastelloy®, Duplex® are Registered Trade Marks of their Respective Owners.



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RODS & BARS

Rods and bars are versatile forms of long, cylindrical metal components that find extensive use in various industries for a multitude of applications. These materials are essential in construction, manufacturing, engineering and other fields due to their strength, durability and malleability.

Nickel Alloys

Nickel Alloy :

Nickel 200 / 201

Monel Alloys :

Monel 400 / K-500

Inconel :

Inconel 600, 601, 625

Inconel 718, X-750

Inconel 800, 800H, 800HT

Inconel 925

Hastelloy Alloy :

Hastelloy B-2, Hastelloy C-22, Hastelloy C-276, Hastelloy X

Titanium Alloy :

Grade 2, Grade 5 (Ti-6Al-4V), Grade 7 (Ti-0.15Pd), Grade 11, Grade 21

Nitronic Alloy :

Nitronic 50, Nitronic 60

Nimonic Alloy :

Nimonic 75, Nimonic 80A, Nimonic 90, Nimonic 263

Alloy 20 :

Alloy 20 (UNS N08020), Alloy 80 (UNS N07080), Carpenter 20 (UNS N08020), Alloy 286

PH Series

PH13-8Mo (UNS S13800)

PH15-7Mo (UNS S15700)

PH17-4 (UNS S17400, also known as 17-4PH)

PH17-7 (UNS S17700)

Custom 450 (UNS S45000)

Custom 630 (UNS S17400, also known as 17-4PH)

Stainless Steel

Stainless Steel : 300 Series

ASTM A-213, A-249, A269-TP 304/304H/304L, 316/316H/316L/316Ti, TP 309, 310, 317L, 321, 347, 904L etc.

Stainless Steel : 400 Series

ASTM A240, A276 - 410, 420, 430, 440C

Stainless Steel : 904, 904L

SMO 254

Duplex & Super Duplex

Duplex Steel :

Duplex 2205 (UNS S32205): ASTM A240, A276

Duplex 2507 (UNS S32750): ASTM A240, A276, A479, A789

Duplex F51 (UNS S31803) : ASTM A182, A276, A476, F51

Super Duplex Steel :

Super Duplex 2507 (UNS S32750): ASTM A240, A276, A479

Super Duplex F55 (UNS S32760): ASTM A182, A276, F55

Super Duplex F60 (UNS S32760): ASTM A182, A276, F60

Zeron 100 (UNS S32760): ASTM A240, A276, A479, A790, A928

Alloy Steel

Alloy Steel : ASTM A 182 Gr. F1, F2, F5, F9, F11, F12, F22, F91

Specification

Condition : Rolled, Forged, Annealed, Picked, Hot & Cold Rolled

Standards : ASTM, AISI, ASME, DIN, UNS etc.

Sizes

Bright Bars : from 5mm Dia upto 350mm Dia

Black Bars : from 16mm Dia upto 350mm Dia

Square Bars : from 5mm Dia upto 250mm Dia

Hex Bars : from 5mm Dia upto 150mm Dia

Wires : 0.1mm Dia to 5mm Dia

Type : - Round | Square | Rectangle | Hex



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SHEET / PLATE & COIL

We have been offering to our clients a vast range 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.

These cater to the requirements of various industries and are known for their attributes, such as high tensile strength, corrosion resistance & long life usage.

High Nickel

High Nickel :

ASTM B162 N02200, N02201

Inconel : ASTM B 168 N06600, N06601, N06617

ASTM B 670, N07718, ASTM B 443 N06625

Monel : ASTM B127 N04400, DIN N05500

Incoloy : ASTM B 409 N08800, N08810, ASTM B 424 N08825,
ASTM B 462 N08020

Hastelloy : ASTM B 575 N10276, N06022, ASTM B 333 N10665

Titanium

Commercially : ASTM B 265

Gr.1 R 56250 (Cp4), Gr.2 R 50400 (Cp3)

Gr.3 R 50550 (Cp2), Gr.4 R 50700 (Cp1)

Gr.7 R 52400, Gr.11 R 52250

Alloys: ASTM B 265

Gr.5 R 56400 (6Al-4V)

Gr.23 R 56401 (6Al-4V-ELI), Gr.12 R 53400



Aluminium Alloys

Aluminium Alloys :

ASTM B 928

2014, 2024, 5052 (A95052), 5083 (A95083), 5086 (A95086),

T6061 (A96061), 6063, 6082, 6351, 7075

Carbon Steel / Boiler Quality Plates

Carbon Steel / Boiler Quality Plates

As per IS 2062 / ASTM A36, Gr. A,B & C, IS 2002 Gr. 1 & 2 ASTM
A516 Gr. 60 & 70

Duplex & Super Duplex

Duplex Steel :

Duplex 2205 (UNS S31803/UNS S32205): ASTM A240, A276

Duplex 2507 (UNS S32750): ASTM A240, A276, A479, A789

Super Duplex Steel :

Super Duplex 2507 (UNS S32750): ASTM A240, A276, A479

Zeron 100 (UNS S32760): ASTM A240, A276, A479, A790, A928

Stainless Steel

Stainless Steel : 300 Series

ASTM A240, Gr. TP 304, 304L, 304LN, 309, 309S, 309H, 310H,

316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H

Stainless Steel : 400 Series

ASTM A240, A276 - 409, 410, 420, 430, 440C

Alloy Steel

Alloy Steel : ASTM / ASME A 335 Gr. P1, P5, P9, P11, P12, P22,
P23, P91

Sizes

Sheets : 0.8mm-4mm thk., 1000-2000mm Width & 2000-6000 L

Plates : 5mm-100mm thk., 1000-2000mm Width & 2000-8000 L

Coils : 0.1 mm thk. to 12mm thk., 10mm - 1500 Width

Foils : 0.01mm thk. to 0.3mm thk. in any width

Strips : 1mm-100mm thk., 10mm-900mm Width & 1000 - 6000 L

Finish

HR No. 1, 2B, BA, Matt, Matt+1 side PVC, BA + 1side PVC,
Chequered



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FLANGES

We are engaged in manufacturing and exporting wide range of Flanges that are available in variables sizes for different applications in waterworks, petrochemicals, refineries, chemical industry and construction works. Flanges are appreciated by our clients and are available in various material configurations like Stainless Steel, Carbon steel, Alloy steel, Nickel alloys and Copper alloys. Based on the sizes, dimensions, shapes and length of these flanges, we can customize the products as per our respected clients requirement.

Nickel Alloys

Nickel Alloy :

SMO 254, 904, 904L, ASTM B 564 N02200, N02201

Monel Alloys :

Monel 400 / K-500

Inconel :

ASTM B 564 N06600, N06601, N06617 B 564 N06625

ASTM B 564 N07718, X-750

Inconel 800, 800H, 800HT, Inconel 925

Incoloy :

ASTM B 564 N08800, N08810, ASTM B 564 N08825

ASTM B 564 N08020

Hastelloy Alloy :

ASTM B 564 N10276, N06022

ASTM B 564 N10665, ASTM B 564 N06455, Hastelloy X

Nitronic Alloy :

Nitronic 50, Nitronic 60

Nimonic Alloy :

Nimonic 75, Nimonic 80A, Nimonic 90, Nimonic 263

Alloy 20 :

Alloy 20 (UNS N08020), Alloy 80 (UNS N07080), Carpenter 20 (UNS N08020), Alloy 286

Titanium

Commercially : ASTM B 381

Gr.1 R 56250 (Cp4), Gr.2 R 50400 (Cp3)

Gr.3 R 50550 (Cp2), Gr.4 R 50700 (Cp1)

Gr.7 R 52400, Gr.11 R 52250

Alloys: ASTM B 381

Gr.5 R 56400 (6Al-4V)

Gr.23 R 56401 (6Al-4V-ELI), Gr.12 R 53400

Stainless Steel & Duplex Steel

Stainless Steel : ASTM A 182F - 304, 304H, 304L, 316, 316H, 316Ti, 309, 310, 317L, 321, 347, 904L

Duplex & Super Duplex :

ASTM A 182 - F51, F53, F55

Alloy Steel

Alloy Steel : ASTM A 182 Gr. F1, F2, F5, F9, F11, F12, F22, F91

Sizes

1/2"NB to 48"NB, ANSI B 16.5

Class

150#, 300#, 600#, 900#, 1500#, 2500# in ASA 150 & ASA 300

Types

- Weldneck • Screwed / Threaded
- Socketweld • Long Weldneck
- Slip on • Lapped Joint
- Blind • Spectacle Blind



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FITTINGS



Fittings are a type of pipe fittings used in piping systems to connect pipes and change the direction of the fluid flow. These fittings are welded to the pipe through a process called butt welding, where the ends of the fittings and pipes are beveled and joined together by welding.

Fittings are commonly used in various industries such as petrochemical, chemical, power generation and oil and gas.

High Nickel

Cupro Nickel : ASTM B 171 C70600 (90:10),

ASTM B 171 C71500 (70:30)

Nickel : ASTM B 366 N02200, N02201

Monel : ASTM B 366 N04400, DIN N05500

Inconel : ASTM B 366 N06600, N06601, N06617

ASTM B 366 N07718 ASTM B 366 N06625

Incoloy : ASTM B 366 N08800, N08810

ASTM B 366 N08825 ASTM B 366 N08020

Monel : ASTM B 366 N04400, DIN N05500

Hastelloy : ASTM B 366 N10276, N06022

ASTM B 366 N10665, ASTM B 366 N06455



Stainless Steel & Duplex Steel

Stainless Steel :

ASTM A 403 WP - 304/304H/304L/316/316H 316/316Ti, 309, 310, 317L, 321, 347, 904L

Duplex & Super Duplex : Standard

ASTM A815 - UNS S31803, S32205 (2205) Lean

ASTM A815, 790 - UNS S32304 (2304)

Super Duplex :

ASTM A815, 790 - UNS S32750 (2507)UNS S32760 (Zeron 100)

Alloy Steel & Carbon Steel

Alloy Steel : ASTM A 234 WPB WP5, WP9, WP11, WP12, Wp91

Carbon Steel : ASTM A 234 WPB, IS 1239 PART II

Low Temp. CS : ASTM A-420 WPL6

Other Service : Hot Dip Galvanizing, Sand Blasting

Cupro Nickel

ASTM B 171 C70600 (90:10), ASTM B 171 C71500 (70:30)

Titanium

Commercially : ASTM B 363

Gr.1 R 56250 (Cp4), Gr.2 R 50400 (Cp3)

Gr.3 R 50550 (Cp2), Gr.4 R 50700 (Cp1)

Gr.7 R 52400, Gr.11 R 52250

Alloys: ASTM B 363

Gr.5 R 56400 (6Al-4V)

Gr.23 R 56401 (6Al-4V-ELI), Gr.12 R 53400

Sizes

Pipes : 1/2" to 30"

Schedule : Sch. 5 to Sch. XXS

Types

- Stubend - (Long & Short) • Buttweld Fitting
- U Bend • End Cap • Laterals
- Elbow (45 DEG, 90 DEG, 180 DEG)
- Tee - (Barred, Equal, Reducing)
- Reducer - (Concentric & Eccentric)
- Nipple - (Swage & Barrel)



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FORGED RING

Forged rings are circular metal components that are manufactured through the forging process, wherein metal is shaped by applying localized compressive forces. Forged rings are commonly used in various industrial applications due to their strength, durability and resistance to fatigue.

Nickel Alloys

Nickel Alloy :

SMO 254, 904, 904L, ASTM B 564 N02200, N02201

Monel Alloys :

Monel 400 / K-500

Inconel :

ASTM B 564 N06600, N06601, N06617 B 564 N06625

ASTM B 564 N07718, X-750

Inconel 800, 800H, 800HT, Inconel 925

Incoloy :

ASTM B 564 N08800, N08810, ASTM B 564 N08825

ASTM B 564 N08020

Hastelloy Alloy :

ASTM B 564 N10276, N06022

ASTM B 564 N10665, ASTM B 564 N06455, Hastelloy X

Alloy 20 :

Alloy 20 (UNS N08020), Alloy 80 (UNS N07080), Carpenter 20 (UNS N08020), Alloy 286

Nitronic Alloy :

Nitronic 50, Nitronic 60

Nimonic Alloy :

Nimonic 75, Nimonic 80A, Nimonic 90, Nimonic 263

Duplex & Super Duplex

Duplex Steel :

Duplex 2205 (UNS S31803/UNS S32205): ASTM A240, A276

Duplex 2507 (UNS S32750): ASTM A240, A276, A479, A789

Super Duplex Steel :

Super Duplex 2507 (UNS S32750): ASTM A240, A276, A479

Zeron 100 (UNS S32760): ASTM A240, A276, A479, A790, A928

Stainless Steel

Stainless Steel : 300 Series

ASTM A240, Gr. TP 304, 304L, 304LN, 309, 309S, 309H, 310H, 316, 316L, 316H, 316LN, 316Ti, 317, 317L, 321, 321H, 347, 347H

Stainless Steel : 400 Series

ASTM A240, A276 - 409, 410, 420, 430, 440C



Titanium

Commercially : ASTM B 363

Gr.1 R 56250 (Cp4), Gr.2 R 50400 (Cp3)

Gr.3 R 50550 (Cp2), Gr.4 R 50700 (Cp1)

Gr.7 R 52400, Gr.11 R 52250

Alloys: ASTM B 363

Gr.5 R 56400 (6Al-4V)

Gr.23 R 56401 (6Al-4V-ELI), Gr.12 R 53400



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FASTENERS



Fasteners are mechanical devices designed to securely join or affix two or more objects together. They play a fundamental role in construction, manufacturing, and various industries where the assembly and disassembly of components are necessary.

Nickel Alloys

Hastelloy Alloy :

Hastelloy C4, Hastelloy B2, Hastelloy G30, Hastelloy B3, Hastelloy C276, Hastelloy X, Hastelloy C22

Incoloy Alloys :

Incoloy Alloy 20, Incoloy Alloy 800, Incoloy Alloy 800H/800HT, Incoloy Alloy 825, Incoloy Alloy 925, Incoloy Alloy A286

Inconel Alloys :

Inconel Alloy 600, Inconel Alloy 601, Inconel Alloy 625, Inconel Alloy 660 A/B/C, Inconel Alloy 718, Inconel Alloy 725, Inconel Alloy X750

Monel Alloys :

Monel 400, Monel R405, Monel K500

Duplex & Super Duplex Steel

Duplex Steel :

Duplex 2205 (UNS S31803/UNS S32205): ASTM A240, A276

Duplex 2507 (UNS S32750): ASTM A240, A276, A479, A789

Super Duplex Steel :

Super Duplex 2507 (UNS S32750): ASTM A240, A276, A479

UNS S31803, UNS S32750, UNS S32760, UNS S32550.

Types

- Anchor Fasteners • Hex Head Bolts
- Socket Caps Screw
- Hex Nuts • Eye Bolts
- Foundation Bolts
- Threaded Rods
- Countersunk Bolts
- Flat/spring/ Lock Washers
- Stud Bolts

Size & Standard

Standard : ASTM / ASME / ANSI / AISI / DIN

Size : M2 to M100



Titanium

Commercially :

ASTM B 363

Gr.1 R 56250 (Cp4), Gr.2 R 50400 (Cp3)

Gr.3 R 50550 (Cp2), Gr.4 R 50700 (Cp1)

Gr.7 R 52400, Gr.11 R 52250

Alloys:

ASTM B 363

Gr.5 R 56400 (6Al-4V)

Gr.23 R 56401 (6Al-4V-ELI), Gr.12 R 53400





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QUALITY TESTS

ULTRASONIC TEST

A high speed "Rotating Transducer" ultrasonic tube testing system operates in pulse-echo mode. Water immersion coupling is used for adequate and positive coupling of sound energy. A multi channel ultrasonic processing is used for detection and recording of volumetric defect in tubes in longitudinal and transverse direction.



MECHANICAL TESTING

Tensile 0.2% proof test hardness flare, flatter, flange & reverse- bend tests are carried out in full compliance as per various standards. The ensure trouble-free expansion, welding & use at customers end.



HYDROSTATIC TEST

Stainless Steel Tubes Pipes are compulsorily subjected to 100% hydro testing Hydrostatic testing can be carried out at pressure upto 450 kg/cm². The test pressure is achieved using high pressure triple plunger pumps. if specified customers or their deputed inspection agencies can witness 100% testing at our plant.



AIR UNDER PRESSURE TEST

Pipes are internally pressurized with clean and dry compressed air and being submerged in clear water to check any evidence of air leakage.



CHEMICAL ANALYSIS

This test is done as per required quality.



PMI TEST

Oxford Instruments make X-MET 5000 XRF analyser for PMI and Quality Control/Assurance

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TECHNICAL INFO OF NICKEL BASED ALLOYS

U.S.A. / GROSSBRITANNIE U.S.A. / GRANDE-BRETAGNE U.S.A. / GREAT BRITAIN													
Analyses	Analyses Composition												
Handelsbezeichnung Designation Commercial Commercial designation	C%	Co%	Cr%	Mo%	Ni%	V%	W%	Al%	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	-	-	-	-	-	-

Disclaimer : Inconel, Monel, Hastelloy are registered trademark of specific manufacturer, name are listed for reference to help identity of the grade.

DUPLEX & SUPER DUPLEX

S31803	1.4462	-	---	0.030	2.00	0.030	0.020	1.0	21.0-23.0	4.5-6.5	2.5-3.5	---	0.08-0.20
S32550	-	-	255 ^G	0.040	1.50	0.040	0.030	1.0	24.0-27.0	4.5-6.5	2.9-3.9	1.50-2.50	0.10-0.25
S32750	1.441	-	2507	0.030	1.20	0.035	0.020	0.8	24.0-26.0	6.0-8.0	3.0-5.0	0.50	0.24-0.32
S32760	-	-	---	0.030	1.00	0.030	0.010	1.0	24.0-26.0	6.0-8.0	3.0-4.0	0.50-1.00	0.20-0.30



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OHSAS 18001:2017,
& PED 97/23/EC CERTIFIED CO

SPECIAL STEEL

Alloys

13-8 Ph
15-5Ph

17-4Ph

17-7Ph

Duplex F51

Super Duplex F53

Super Duplex F55
Super Duplex F60

Stainless Steel

Alloy 904 / L

A-286
253 MA

AMS equivalent

AMS 5629, ASTM A564
AMS 5659 Bars / Forgings
AMS 5826 Welding wire
AMS 5862 sheet / strip / plate
AMS-H-6875
AMS 5604 Sheet / Strip / Plate
AMS 5622 (Vac Melt) Bar
AMS 5642 Bar
AMS 5643 Bar
MIL-S-25043
17-4 Tube
AMS 5528 Sheet / Strip / Plate
AMS 5529 Sheet/ Strip- Cond C
AMS 5568 Welded Tubing
AMS 5644 Bars / Forgings
AMS 5678 Wire
AMS 5824 Welding wire
MIL-S-25043
ASTM A182 F51 / F60
ASTM A276 F51 / F60
ASTM A479 F51
AISI F51
ASTM A182 F53
ASTM A276 F53
ASTM A479 F53
ASTM A182 F55/F60
ASTM A276 F55/F60
ASTM A479 F55/F60
AISI F55/F60
ASTM A 310 / 310S / 309
304/304L/321/347/316/316L

UranusB-6 / UNS N08904

UNS S30815
ASTM A 240, A 276, A 312
A 358, A 409, A 473, A 479
A 480, A 813, A 814

Applications

Injection molding equipment
Components in the petrochemical and nuclear industries
Aircraft components
High pressure corrosive fabricated parts such as valves
Shafts / Fasteners
Fittings and gears

Pump Shafts
Oil Patch
Mechanical Seals
Aerospace

Aircraft and gas turbines
Nuclear reactor
Paper mills
Oil Fields
Chemical process components

Pressure Systems / Flanges
Valves Fittings / Couplings
Rings / Shafts / Forgings.

Marine, Food Processing,
Pollution Control, The Oil And Gas
And Pulp And Paper Industry

Gas Processing Industries / Petrochemical Industries
Power Generation Industries
Food Processing Industries / Chemical Industries
Fertilizers Industries / Sugar Industries
Chemical And Hydrocarbon Processing Equipment
/ Boiler Feed Water Heaters / Marine Engineering /
Crude Petroleum Stills / Valves, Pumps, Shafts,
Fittings, And Fasteners Industrial Heat Exchangers

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FORMULA & THIRD PARTY INSPECTION

FORMULA OF CALCULATING WEIGHT

- **WEIGHT OF STAINLESS STEEL / CARBON STEEL PIPES & TUBES**
 $OD (mm) - W.T. (mm) \times W.T. (mm) \times 0.02466 = KG. / MTR.$
- **WEIGHT OF STAINLESS STEEL SHEETS**
 $Length (mm) \times Width (mm) \times Thk. (mm) \times 0.000008 = KG. / SHEET$
- **WEIGHT OF CARBON STEEL SHEETS**
 $Length (mm) \times Width (mm) \times Thk. (mm) \times 0.000008 = KG. / SHEET$
- **WEIGHT OF STAINLESS STEEL CIRCLE & BLANKS**
 $O.D. (mm) \times O.D. (mm) \times Thk. (mm) \times 0.0000063 = KG./PCS.$
- **WEIGHT OF STAINLESS STEEL ROUNDS**
 $Dia. (mm) \times Dia. (mm) \times 0.00623 = KG. / MTR.$
- **WEIGHT OF STAINLESS STEEL HEXAGONAL RODS**
 $Dia.(mm) \times Dia. (mm) \times 0.00679 = KG. / MTR.$
- **WEIGHT OF STAINLESS STEEL SQUARE RODS**
 $Dia. (mm) \times Dia. (mm) \times 0.00787 = KG. / MTR.$
- **WEIGHT OF COPPER PIPES**
 $O.D. (mm) - W.T. (mm) \times W.T. (mm) \times 0.0285 = KG. / MTR.$
- **WEIGHT OF ALUMINUM PIPES**
 $O.D. (mm) - W.T. (mm) \times W.T. (mm) \times 0.0282 = KG. / MTR.$
- **WEIGHT OF ALUMINUM SHEETS**
 $Length (mtr.) \times Width (mtr.) \times Thk. (mm) \times 2.66 = KG. / SHEET$
- **WEIGHT OF LEAD SHEETS**
 $Length (mtr.) \times Width (mtr.) \times Thk. (mm) \times 11.2 = KG. / MTR.$
- **SHEET WIDTH REQD. FOR ROLLED & WELDED PIPES**
 $O.D. (mm) - Thk. (mm) \times 3.14 = SHEET WIDTH (mm)$
- **WEIGHT FOR SQUARE / RECTANGLE PIPES**
 $Length \text{ from 4 Angle } (OD) / 3.14 - Thk. (mm) \times Thk. (mm) \times 0.00756 = KG. / PER FEET$
- **WEIGHT FOR CONVERSION OF MTR. TO FEET**
 $Weight \text{ of } 1 \text{ Mtr. } \div 3.2808 = \text{Feet}$
- **FORMULA FOR HEALTHY BUSINESS**
Honesty + Quality of Goods + Quick Service
+ Reasonable rate = Good Health of Business

WE ALSO ACCEPT THIRD PARTY INSPECTION BY REPUTED AGENCIES LIKE:



* Although every care has been taken during the production of this brochure, we regret that we cannot accept any liability in respect of any incorrect information it may contain or any damages which may arise through the misinterpretation of its contents



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PETROCHEMICALS**



OIL & GAS



OFFSHORE



SHIP BUILDING



EPC



CROSS COUNTRY PIPELINE



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PHARMACEUTICAL**



SUGAR INDUSTRY



**FOOD & BEVERAGE
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CEMENT PLANT



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