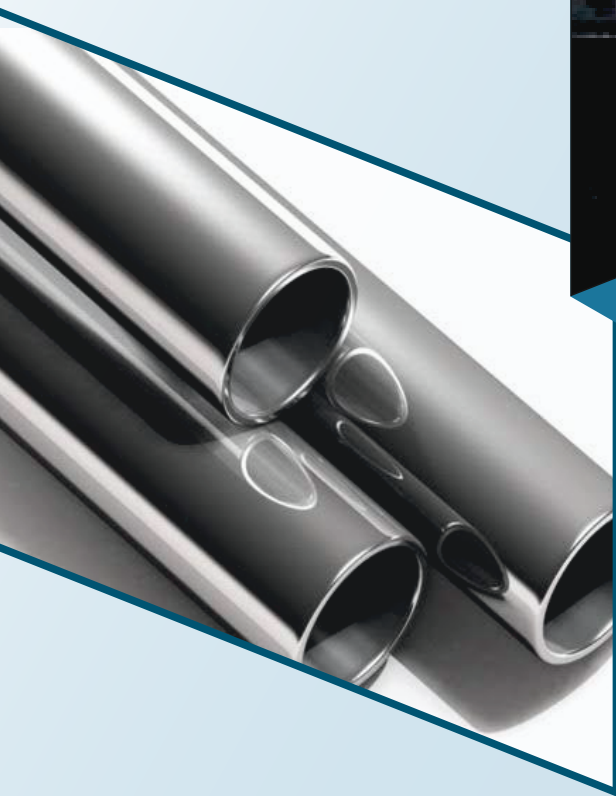
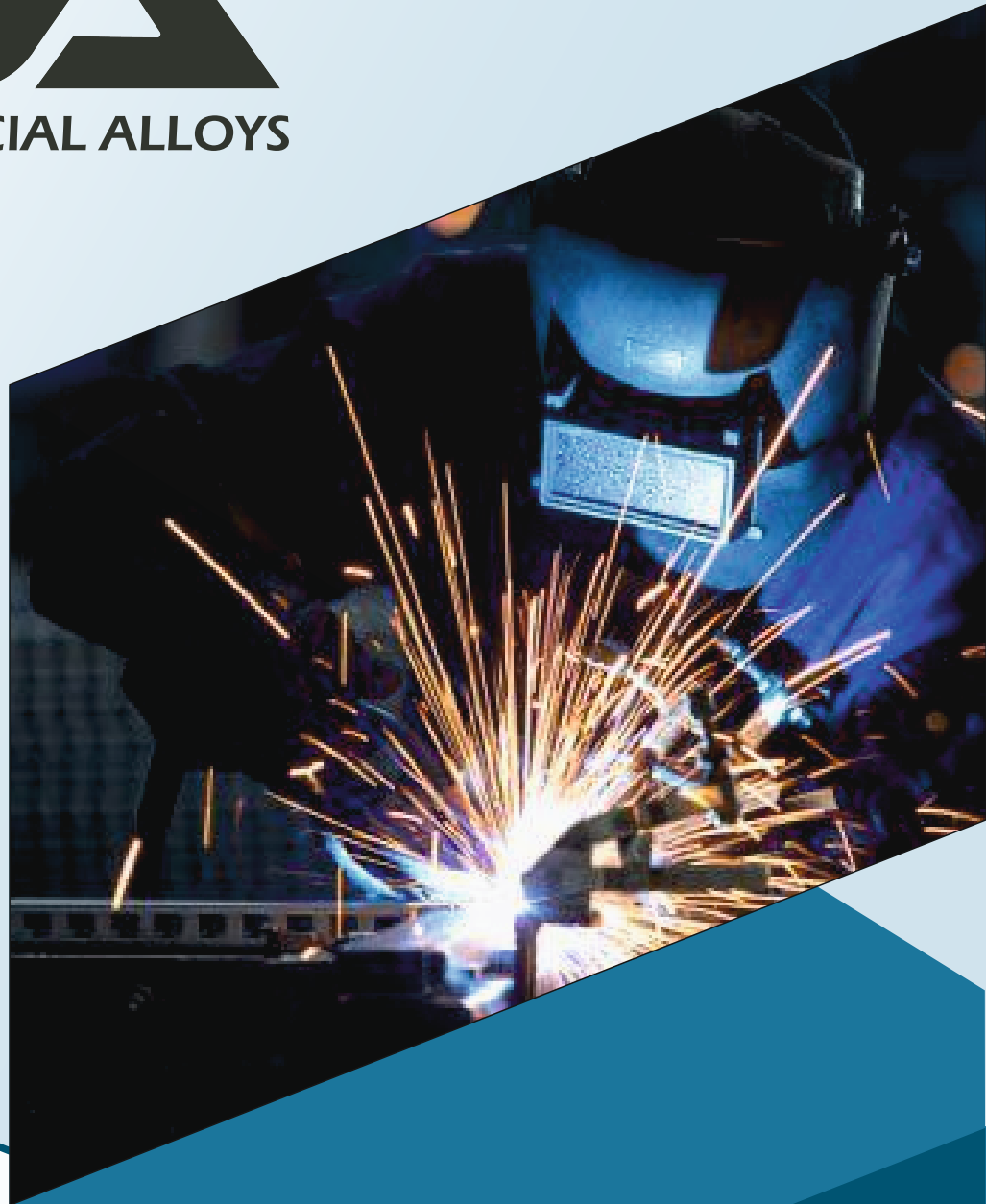




SHATRUNJAY SPECIAL ALLOYS



Stockists,
Exporters &
Suppliers Of
Industrial Raw
Materials
in All Size &
Shapes

Stainless Steel
Round Bars,
Pipes & Tubes,
Flanges & Fittings,
Sheets & Plates.

COMPANY PROFILE

SHATRUNJAY SPECIAL ALLOYS IS AN INDEPENDENT, FULL LINE, STOCKING DISTRIBUTOR OF STEEL, PIPES, FITTINGS AND PIPING SPECIALTIES. ALL STOCK UNDER ONE ROOF, LOCATED IN INDIA, THE COMPANY FLEET SERVICES FROM A 10,000 SQUARE FOOT WAREHOUSE.

SHATRUNJAY SPECIAL ALLOYS IS A VETERAN IN MANUFACTURING AND EXPORTING STEEL MATERIALS TO DEVELOPED AND DEVELOPING COMPANIES IN THE FOLLOWING FIELDS: OIL&GAS, PHARMACEUTICAL, CHEMICALS, ENGINEERING MACHINES, PAPER INDUSTRY AND OTHER ALLIED INDUSTRY IN INDIA AND THE WORLD.

We shall provide you Material test certificate, Gate Pass and arrange necessary material inspection by any third party if required. Over the years we are supplying our products in Domestic markets to Government, Public Sector, Private Sector & Multinational Companies.

QUALITY POLICY

Our agenda is to provide customer satisfaction in terms of quality at competitive price. Shatrunjay Special Alloys follows the six sigma approach from manufacturing to exporting which reduces product defects 99.99% and this has been approved by TPA (third party inspection). The entire organization has committed group of peoples who are expertise in their fields and are dedicated towards their duty in achieving company goals within time limit resulting in customer delight by providing quality products&services assuring international standards.

We also believe in continual improvement for effectiveness of Quality Management system through Team Work, Training and focus on Actions and Results.

**QUALITY
IS OUR
BUSINESS**



STAINLESS STEEL

DUPLEX STEEL

SUPER DUPLEX

CARBON STEEL

ALLOYS STEEL

INCONEL

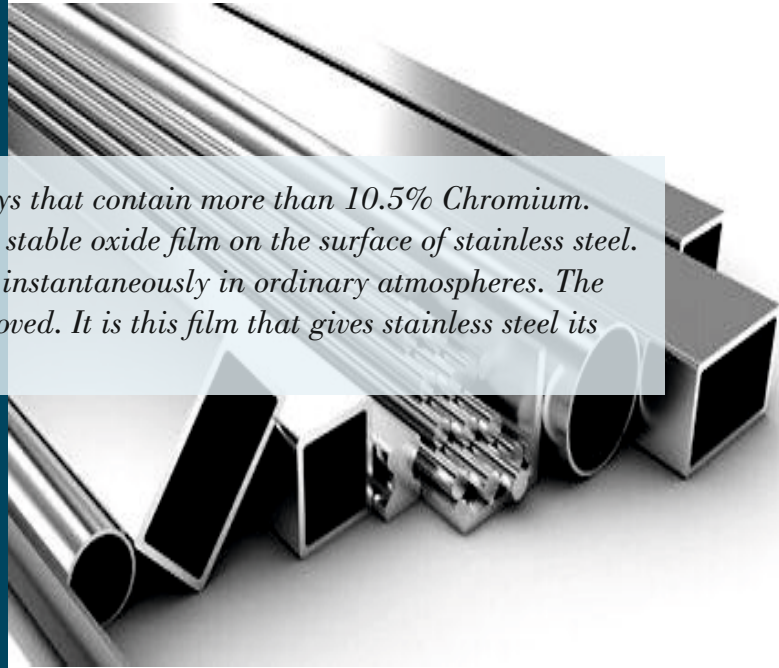
MONEL

SMO

HASTELLOY

TITANIUM

TYPES OF STAINLESS STEEL



Stainless Steel is a name given to a group of steel alloys that contain more than 10.5% Chromium. Chromium has a high affinity for oxygen and forms a stable oxide film on the surface of stainless steel. The film is called the “passive oxide layer” and forms instantaneously in ordinary atmospheres. The film is self-healing and rebuilds when it has been removed. It is this film that gives stainless steel its corrosion resistance.

Description of Stainless Steel

201 / 202

201/202 stainless steel is an austenitic chromium-nickelmanganese stainless steel which was developed to conserve nickel. Type 201/202 is a lower cost alternative to conventional Cr-Ni. Stainless steel Carbon 0.15 max, Manganese 5.50-7.50 max, Chromium 16.00-18.00, Nickel 3.50-5.50, Iron balance.

304

The most widely used stainless steel with the best all round performance. Its carbon content is lower and its corrosion resistance after welding is higher than T302. It is less susceptible to intergranular corrosion after welding. Non-magnetic but slightly magnetic when cold worked.

304L

A low carbon stainless steel with general corrosion resistance like T304, but with superior resistance to intergranular corrosion following welding or stress relieving. Highly recommended for parts which are fabricated by welding and which can not be annealed. Generally limited to temperatures up to 426°C. The physical properties and thermal treatments of T304L are similar but not identical to T304. Non-magnetic when annealed but slightly magnetic when cold-worked.

316L

Has lower carbon than T316, with corrosion resistance similar to T316, but superior resistance to intergranular corrosion following welding or stress relieving. It is recommended for parts which cannot be subsequently annealed. Service temperatures up to 426°C. The physical properties and thermal treatments of type 316L are similar but not identical to type 316. Non-magnetic when annealed but slightly magnetic when cold-worked.

410

Quality stainless steel products are a top priority at Best Stainless. Our Stainless Steel 410 is a basic martensitic grade which contains 11.5% chromium, offering both exceptional wear and corrosion resistance. SS 410 is corrosion resistant to some chemicals, food, mild acids, water and air. Carbon 0.080-0.150, Chromium 11.50-13.50, phosphorus 1.0 Max, Sulfur 0.030 Max

430

A corrosion and heat resisting stainless steel with superior corrosion and heat resistance compared to type 410. Type 430 is non hardenable and possesses only mild cold-working properties due to the high chromium content. Its weldability is excellent and does not require subsequent annealing. Magnetic in all conditions.

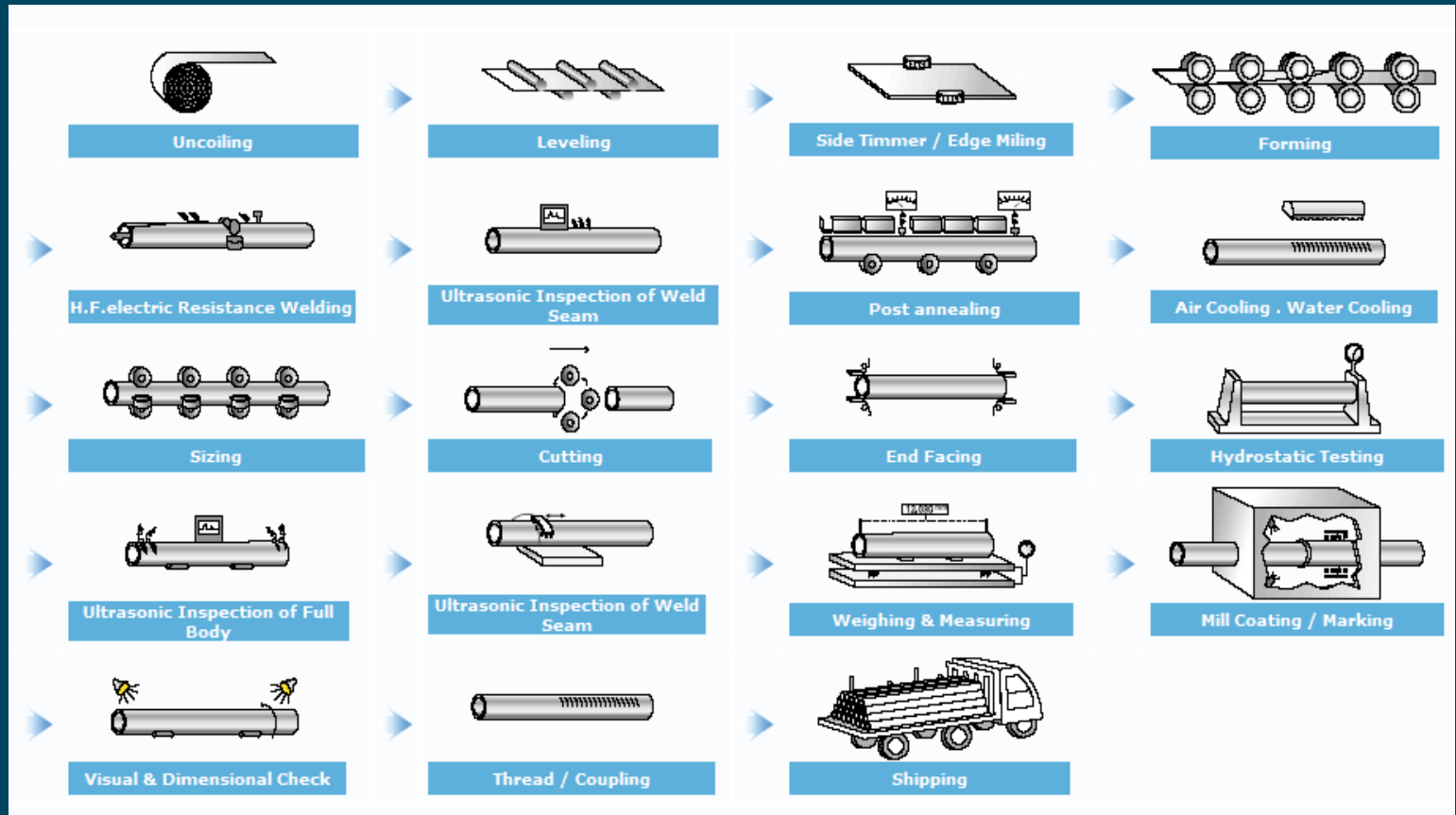
Chemical Composition

Alloy	c	Mn	P	S	Si	Cr	Ni	Mo	Others
201	0.15	6.50	0.060	0.030	1.00	17.00	4.50	-	0.25N
202	0.15	9.00	0.060	0.030	1.00	18.00	5.00	-	0.25N
301	0.15	2.00	0.045	0.030	1.00	17.00	7.00	-	-
302	0.15	2.00	0.045	0.030	1.00	18.00	9.00	-	-
303	0.15	2.00	0.20	0.15	1.00	18.00	9.00	0.60	-
303Se	0.15	2.00	0.20	0.06	1.00	18.00	9.00	0.60	0.15Se
304	0.08	2.00	0.045	0.030	1.00	19.00	9.25	-	-
304L	0.03	2.00	0.045	0.030	1.00	19.00	10.0	-	-
309S	0.08	2.00	0.045	0.030	0.75	23.00	13.5	-	-
310S	0.08	2.00	0.045	0.030	1.50	25.00	20.5	-	-
316	0.08	2.00	0.045	0.030	1.00	17.00	12.0	2.5	-
316L	0.03	2.00	0.045	0.030	1.00	17.00	12.0	2.5	-
317	0.08	2.00	0.045	0.030	1.00	19.00	13.0	3.5	-
317L	0.03	2.00	0.045	0.030	1.00	19.00	13.0	3.5	-
321	0.08	2.00	0.045	0.030	1.00	18.00	10.5	-	Ti 5 X C
329	0.10	2.00	0.045	0.030	1.00	27.50	4.5	1.50	-
330	0.08	2.00	0.040	0.030	1.00	18.50	35.5	-	-
347	0.08	2.00	0.045	0.030	1.00	18.00	11.0	-	Cb+Ta 10 X C
409	0.08	1.00	0.045	0.045	1.00	11.50	-	-	Ti 6 x C
410	0.15	1.00	0.040	0.030	1.00	12.50	-	-	-
416	0.15	1.25	0.040	-	1.00	13.00	-	0.60	S=0.15 min
416Se	0.15	1.25	0.060	0.060	1.00	13.00	-	-	0.15 Se
420	0.15 min	1.00	0.040	0.030	1.00	13.00	-	-	-
430	0.12	1.00	0.040	0.030	1.00	17.00	-	-	-
440C	1.00	1.00	0.040	0.030	1.00	17.00	-	-	-
904L	0.02	2.00	0.045	0.035	1.00	21.00	25.5	4.5	Cu 1.5

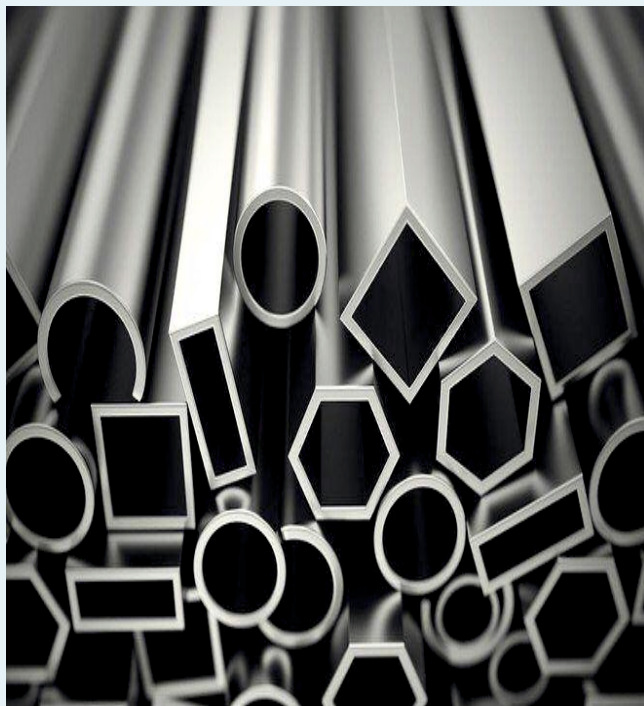
PIPES & TUBES

STAINLESS STEEL WELDED (ERW) PIPES

MANUFACTURING PROCESS OF STAINLESS STEEL WELDED PIPES



STAINLESS STEEL WELDED (ERW) PIPES



Grades

201/ 202/ 304L/ H/ 316L/H/Ti/ 317L/
321H/ 347H/ 409L/ 410/ 430Ti/ 439

Production Norms

ASTM A249 - A269 - A312 - A358
- A409 - A554 - A778 - A789 - A790

Size Range

Round — 6.35mm OD to 127mm OD.
1/2'NB to 24'NB
Square — 12.75X12.75 to 100X100
Rectangle — 10X20 to 50X100

Length

Commercial Length - 6000mm +/-30mm
Fix length — From 1200mm up to 12000
mm with a tolerance of upto -0/+5mm

Finish

Welded

Brushed

Pickled Solution annealed

and pickled up to O.D. 219.1mm

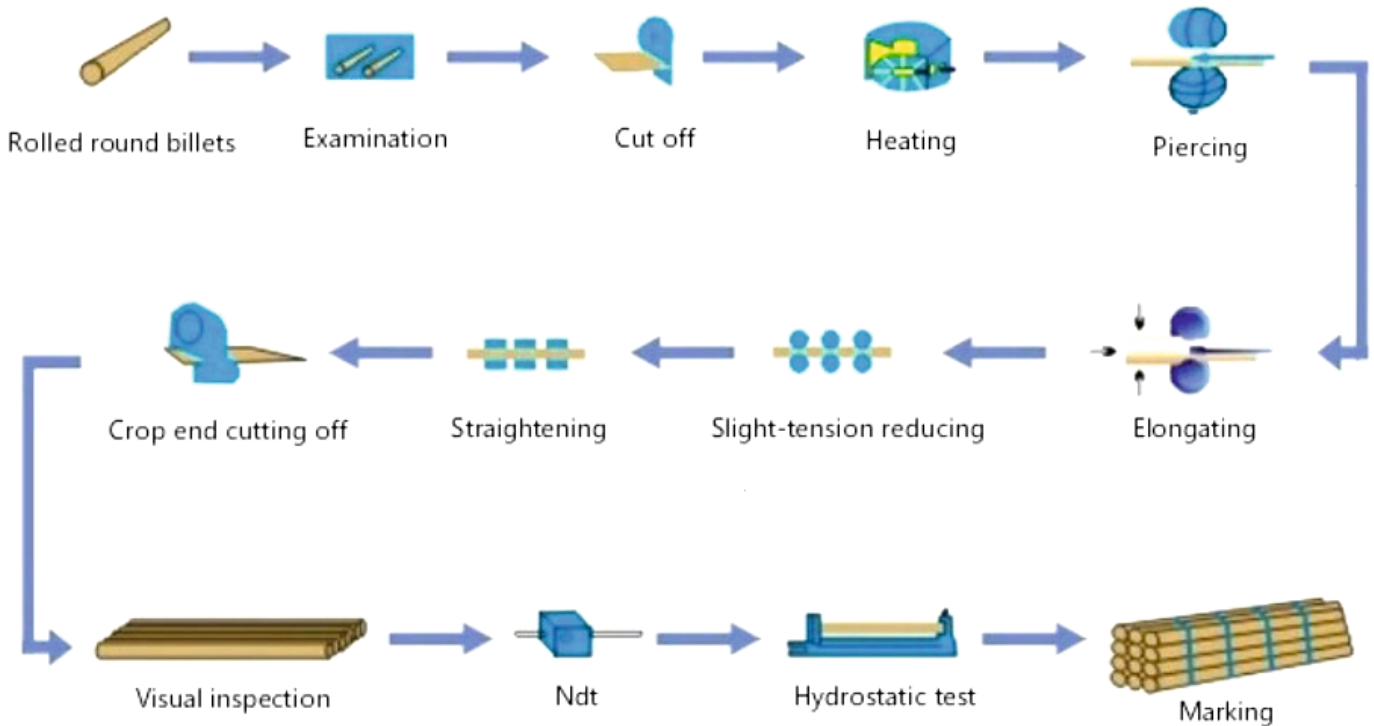
Mirror Polish

Polish Grit 120-1200

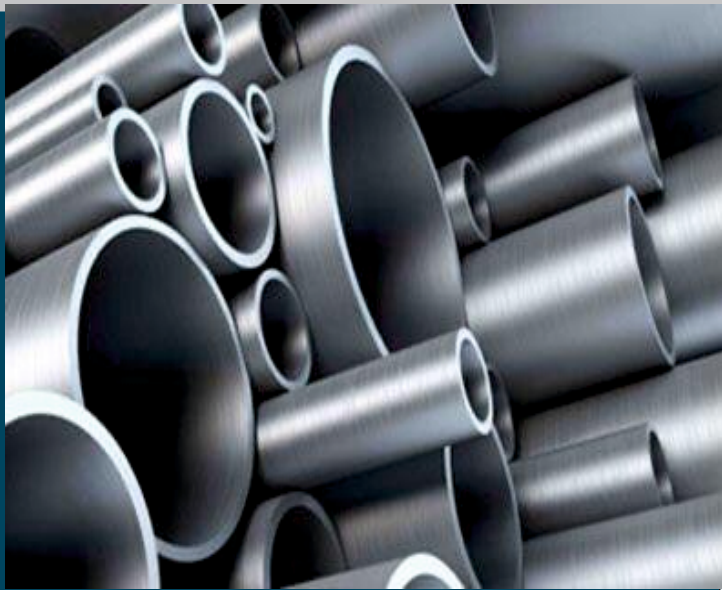
PIPES & TUBES

STAINLESS STEEL SEAMLESS PIPES

MANUFACTURING PROCESS OF STAINLESS STEEL SEAMLESS PIPES



STAINLESS STEEL SEAMLESS PIPES



Grades

304/304L/310S/316/316L/
316Ti/317/ 321/347/904/904L/
(S31803)SAF2205/(S32750)
SAF2507. DIN 1.4301 - 1.4306 -
1.4845 - 1.4401- 1.4404 -1.4571 -
1.4438 - 1.4541 - 1.455

Length

From 5mtrs to 6.5mtrs
Max length is 80'(24mtrs)

Production Norms (Standards)

ASTM A312 - A213 - A269
- A376 - A511 - SA789 - SA790
ANSI/ASME B36.10M - B36.19M
EN-10216-5 / DIN 17456 - 17458
JIS G3459, JIS G3463.

Size Range

1/8"-48"
(8mm - 1219mm)

Finish

Export Finish
Industrial Finish



STAINLESS STEEL SLOTTED PIPES

(SINGLE SLOTTED PIPES)

Grades

ASTM 554

Standards

AISI 201/304/316L etc

Thickness

from 1.0mm to 2.0mm

Length

6.1 meters

Surface (Finish)

Polish 320G

Polish 400G

Polish 600G

Mirror

Hairline

Descaled

Size Range

Single Slotted Pipes

Round - 25.4mm to 100mm

Square - 40X40 / 60X60 / 80X80 /
50X50 / 32X32 / 38X 38

Rectangle - 25X21 to 100X30

Oval - 60X40 to 110X40

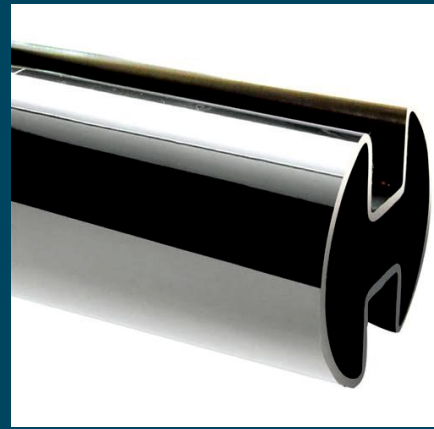
SLOTT (W X H)

14X14 / 5X5 / 13X17 / 13X15 / 18X15 /
15X15 / 23.5X13 / 19X23 / 19.7X26.2 /
20X15 / 24X24 / 19.7X31.8 / 27X30 /
30X27 / 28X21 / 13.8X15 / 19X38 /
20X20 / 20X25 / 25X25 / 25X40 /
34X34 / 23X24 / 38X45 / 23X27 /
26X17 / 33X26 / 40X20 / 45X40 /
15X5 / 7X17 / 20X15 / 28X5 / 25X15 /
18X18 / 35X28 / 42X6 / 15X12 /
34X50 / 34X19



STAINLESS STEEL SLOTTED PIPES

(DOUBLE SLOTTED PIPES)



Grades

AISI 201/304/316L etc

Standards

ASTM 554

Length

6.1 meters

Slott (W X H)

15X15 / 25X25 /
25X13/ 25X20

Surface (Finish)

Polish 320G
Polish 400G
Polish 600G
Mirror
Hairline
Descaled

Size Range

Doubles Slotted Pipes
Round - 50.8 / 76
Square - 40X40
Rectangle - 85X40

SHEETS & PLATES

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Surface: 2B, 2D, BA, NO.1, NO.4, NO.8, 8K, Mirror, Checkered, Embossed, HairLine, Sand Blast, Brush, Etching, Etc.

Thickness: 0.25mm -100mm

Width: 250mm - 2000mm

Length: 1000mm - 6000mm

Form: Plain Sheet, Shim Sheet, Perforated Sheet, Chequered Plate, etc.
Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards

COILS & STRIPS

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Surface: 2B, 2D, BA, NO.1, NO.4, NO.8, HL, etc.

Thickness: 0.31mm -12mm

Width: Strips - 3.2mm to 1500mm

Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards



COMMON FINISH MEANING

HR — IT is a scaled finish with an ideal surface finish where finish is not a concern

2B — IT is given a subsequent light skin pass and cold rolling operation between polishing. This is the most common finishing applied for general use.

BA — IT is processed by Bright Annealing process after cold rolling. BA finish is carried out in a controlled atmosphere furnace or vacuum in order that oxidation is reduced to minimum and the surface remains relatively bright. BA is used commonly in decorative purpose

No.4 — IT is a unidirectional short linear finishing obtained by 150 to 240 grits abrasive polishing. It is fine decor finish.

Hairline — This is also an unidirectional finish but differs from No.4 finish. These are straight long lines and share same usage.

No.8 Mirror(Super Mirror) — IT is polished by sophisticated and automatic mirror machine. The finishing looks exactly like mirror with high reflection!

No.8 Thicker Plate — No.8 thicker gauge polishing system. IT is for special customers requirements such as chemical containers, semiconductor equipments , etc

BARS & RODS

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Bright Bars: From 5mm Dia upto 350mm Dia

Black Bars: From 16mm Dia upto 350mm Dia

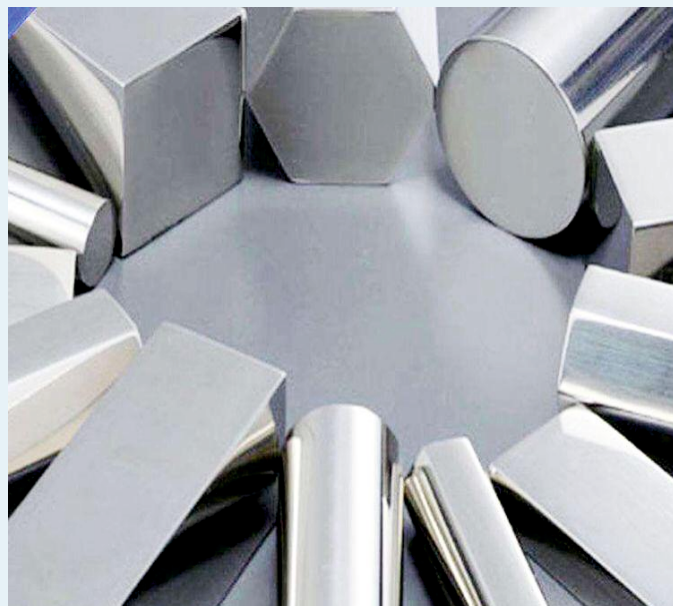
Square Bars: From 5mm Dia upto 250mm Dia

Hex Bars: From 5mm Dia upto 150mm Dia

Wires: From 0.1mm Dia upto 5mm

Dia Length: 1 to 6 Meters, Custom Cut Lengths

Standards: ASTM, ASME, AISI, DIN, BS, EN,IS, JIS & Other International Standards



DECORATIVE SHEETS

GRADES

Stainless Steel: 200 Series,
300 Series, 400 Series.

SPECIFICATIONS

Thickness: 0.3 to 5mm and more

Finish: No.8 Mirror, BA, No.4, Hairline
(Anti Fingure Also Available)

Types: Double, Single & Mix Colour, Wooden,
Marble, Sand Blast, Linen and more

Colours: Gold, Rose Gold, Blue, Black,
Green, Purple, Pink & more

Dimensions: 8X4 / 4X10 / 5X10 and cut to size

Standards: ASTM, ASME, AISI, DIN, BS, EN, IS,
JIS & Other International Standards.



DECORATIVE PIPES

GRADES

Stainless Steel: 200 Series,
300 Series, 400 Series.

SPECIFICATIONS

Thickness: 0.8 to 2mm and more

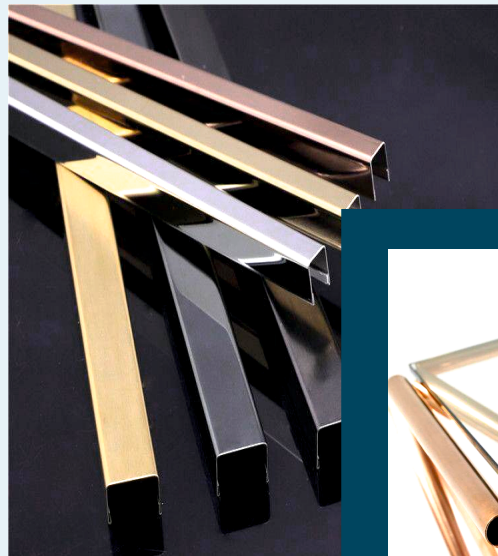
Finish: Polish, Mirror, Mill finish and
More (Anti Fingure Also Available)

Types: Emboss, Curve, Slotted, Colour,
Hairline, Sand Blast & Wooden.

Colours: Gold, Rose Gold, Rainbow,
Blue & more

Dimensions: Round - upto 102mm OD,
Rectangle - upto 100X80

Standards: ASTM, ASME, AISI, DIN, BS,
EN,IS, JIS & Other International Standards.



SOCKET WELD FITTINGS

B
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GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Pipes: 1/8" NB upto 48" NB in Sch. 5, 10, 20, 30, 40, 80, 120, 140, 160, XS, XXS

Tubes: 1/8" OD upto 24" NB in 3000#, 6000#, 9000#

Types: Seamless & ERW Buttweld Pipes Fittings: 45 Deg & 90 Deg Elbow (In Long and Short Radius), Equal Tee, Unequal Tee, Eccentric and Concentric Reduce, 'U' Bends, Nipple, Coupling, Crosses, Caps etc.

Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Pipes: 1/8" NB upto 48" NB in Sch. 5, 10, 20, 30, 40, 80, 120, 140, 160, XS, XXS

Tubes: 1/8" OD upto 24" NB in 3000#, 6000#, 9000#

Types: Socket Weld (Forged): 45 Deg & 90 Deg Elbow (In Long and Short Radius), Equal Tee, Unequal Tee, Eccentric and Concentric Reducer Nipple, Coupling, Crosses, Caps, Weldolets, Sockolets, Thredolets, etc.

Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards

FASTENERS

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Types: Nuts, Bolts, Screws, Washers, Gaskets, etc.

Size: M02 – M56 | 3/6" to 2" | Custom Sizes

Length: 3 mm to 200 mm | Custom Length

Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards



FERRULE FITTINGS

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Types: Straight Union, Union Elbow, Union Tee, Union Cross, Reducing Union, Reducing Tee, Bulkhead Union, Bulkhead, Union Elbow, Quick Release Coupling, Coupling, Plug & Union, Cap, Connector NPT, Female Elbow, Female Run Tee, Female Branch Tee, Male Connector NPT, Male Elbow NPT, Male Run Tee, Male Bulkhead Connector, Male Branch, Tee, Swivel Adjustable Branch Tee, Swivel Adjustable Elbow, Swivel Adjustable Run Tee, Swivel Union, Swivel Union, Swivel Pipe Adaptor, Collar, etc.



WIRES & RODS



GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Range: Rods - 3.17mm to 350mm Dia,

Wires: From 0.1mm Dia upto 5mm Dia

Finish: Bright, Polish, Black, etc.

Form: Round, Square, Hex (A/F), Rectangle, Wire (Coil Form), Wire-mesh, Billet, Ingot, Forging Etc.

Condition: Cold Drawn & Polished Cold Drawn, Centreless Ground & Polished

Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards.



FLANGES

GRADES

Stainless Steel: 200 Series, 300 Series, 400 Series, 904L, 17.4PH, 15.5PH, Duplex, Super Duplex, Carbon steel, Alloy steel etc.

SPECIFICATIONS

Size: 1/8"NB upto 24"NB in 150#, 300#, 600#, 900#, 1200#, 1500#, 2500#, etc

Types: Slip on Flanges (With & Without HUB), Weldneck Flanges, Socketweld Flanges, Lap Joint Flanges, Screwed Flanges, Long Weld Neck Flanges, Spectacle Flanges, Blind Flanges, Threaded Flanges, Orifice Flanges, Forged Flanges, Reducing Flanges, ANSI Flanges, ASME Flanges, API Flanges, BS Flanges, DIN Flanges, JIS Flanges, Industry Standard Flanges, EN 1092-1 Flanges
Standards: ASTM, ASME, AISI, DIN, BS, EN, IS, JIS & Other International Standards.



ANGLE

GRADES

AISI 201, 202, 204cu, 304, 304L, 316, 410, 420, 430

SPECIFICATIONS

Finish: Hot Rolled Annealed & Pickled (HRAP)

Length: 3 to 7 Meters / 12 to 24 feet

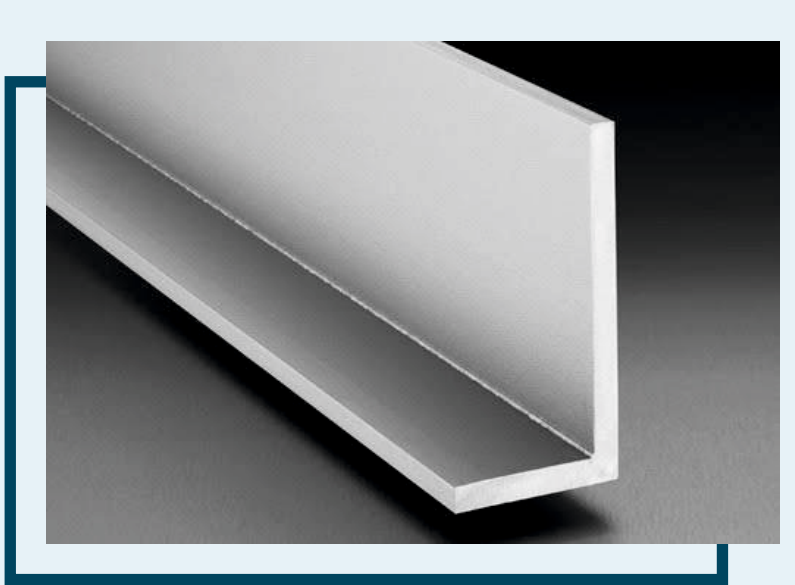
End Finish: Both ends are marked with special colors

Size tolerance : ASTM A276/484 / DIN 1028

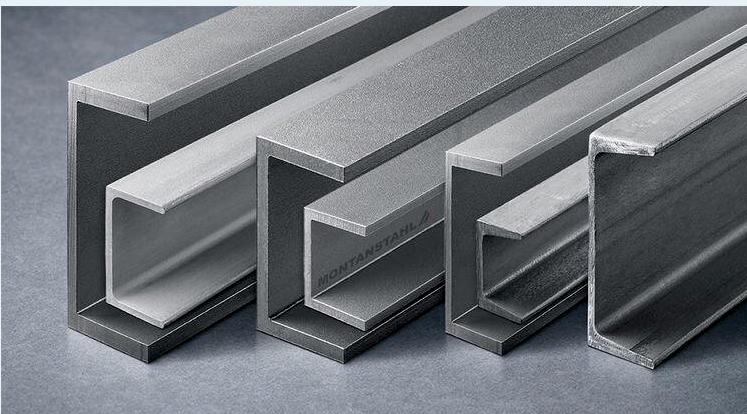
Packing: Bars are packed in 500 to 1,000 kgs bundles in waterproof HDPE cloth

Standard Export Seaworthy.

Delivery: Within 60-70 Days from the order finalization



U & C CHANNELS



GRADES

201, 202, 301, 304, 304L, 304N, 304LN, 309S, 310S, 316, 316L, 316Ti, 316N, 316LN, 317, 317L, 347, 347H, etc

SPECIFICATIONS

Diameter (Round bar) 4mm - 350mm

Size (Square bar) 6 x 6mm - 50 x 50mm

Size (Flat Bar) 2x10mm - 100x1000mm

Size (Channel Bar) 40mm*20mm~300mm*300mm

Thickness (Flat Bar) 0.5mm - 150mm

Width (Flat Bar) 100mm - 120mm

Thickness (Angle Bar) 3.0mm - 120mm

Price term FOB/CIF/CNF or as required

Length- 3MTR, 4MTR, 5MTR, 6MTR, or Custom Cut Sizes

Shape- Stainless steel Channel/Round/Flat/Square/Angle/Hexagonal Bar

Standard ASTM A 276/A 276M, A 484/A 484M, A 564/A 564M, A 582/A 582M,

A 638 /A 638M, A705/A705M



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