



ROLF

ENGG. SOLUTIONS INC.



Manufacturers & Exporters for

Carbon Steel | Stainless Steel | Alloy Steel | Titanium | Fabrication | Pipe sleeve

www.rolfinc.com

profile

Rolf Engineering Solutions Inc. is established with a view to cater to the needs of both domestic and international market. **RESI** is one of the leading manufacturers for Pipes, Pipe Fittings, Flanges, Reli Sleeve based in Mumbai with a distance of 20 km form both sea port and airport. **RESI** is into stock business supplying to the domestic as well as the international market in Stainless Steel, Carbon Steel, Alloy Steel, High Nickel Alloy, Aluminium Brass, Copper and Titanium materials.

RESI has been exporting to USA, Dubai, Abu Dhabi, Oman, Saudi Arabia, Bahrain, Germany, UK, Singapore, Malaysia, Indonesia, Vietnam, Korea, Australia, Europe Etc.

RESI has a wide stock range of material right from API 5L Seamless and Welded Pipes to Monel, Inconel, Duplex, Super Duplex, Hastelloy Pipes and Tubes in both seamless and welded. It specializes in API pipes and tubes form Grade B to X80 in PSL1/2 and High Nickel Alloy Pipes and Tubes.

mission

Our mission is to provide prompt delivery and quality products at competitive price. **RESI** has been surviving the industry smoothly due to its sales network, certified quality, innovation, value for human resources and focus on clients.

Third Party Inspection (tpi)

We can do TPI for following :
LRIS, ABS, DNV, TUV, VELOSI, SGS, BV, GL etc.

Carbon Steel Pipes & Tubes (Seamless and Welded)

ASTM Standard

ASTM A53	ASTM A179	A333	ASTM A501	ASTM A556	ASTM A672	ASTM A1005
ASTM A134	ASTM A192	A334	ASTM A512	ASTM A587	ASTM A787	ASTM A1024
ASTM A135	ASTM A210	ASTM A369	ASTM A513	ASTM A589	ASTM A795	ASTM A1037
ASTM A139	ASTM A214	ASTM A381	ASTM A523	ASTM A595	ASTM A822	API 5L
ASTM A178	ASTM A252	ASTM A500	ASTM A524	ASTM A671	ASTM A984	API 5L DSAW/LSAW/SAW API 5L API Seamless Line Pipe

Origin

 imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES, SOUR SERVICES, OFF SHORE SERVICES, WITH LOW SULPHUR <0.002%, IMPACT TEST AT -50°C, BEAD CRUSH, 3 LAYER POLYETHYLENE COATING, 3 LAYER POLYPROPYLENE COATING, EPOXY COATING, RADIOGRAPHY (X RAY).

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Stainless Steel Pipes & Tubes (Seamless and Welded)

ASTM Standard

ASTM A 213	ASTM A 312	ASTM A 450	ASTM A 688	ASTM A 791	ASTM A 928	AS1163 201	MIL-P-1144 201
ASTM A 249	ASTM A 358	ASTM A 511	ASTM A 731	ASTM A 803	ASTM A 943	AS1528 201	
ASTM A 268	ASTM A 372	ASTM A 530	ASTM A 778	ASTM A 813	ASTM A 949	G3459 201	
ASTM A 269	ASTM A 376	ASTM A 554	ASTM A 789	ASTM A 814	ASTM A 1012	ANSI/ASME B36.10M 201	
ASTM A 270	ASTM A 409	ASTM A 632	ASTM A 790	ASTM A 903	ASTM A 1053	ANSI/ASME B36.19M 201	

Origin

 imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES, SOUR SERVICES, OFF SHORE SERVICES, WITH LOW SULPHUR <0.002%, IMPACT TEST AT -50°C, BEAD CRUSH, 3 LAYER POLYETHYLENE COATING, 3 LAYER POLYPROPYLENE COATING, EPOXY COATING, RADIOGRAPHY (X RAY).

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Fittings

ASTM Standard

ASTM A181	ASTM A320	ASTM A453	ASTM A733	ASTM A854	ASTM B381
ASTM A182	ASTM A350	ASTM A522	ASTM A758	ASTM A860	ASTM B462
ASTM A193	ASTM A403	ASTM A540	ASTM A774	ASTM A988	ASTM B564
ASTM A194	ASTM A420	ASTM A694	ASTM A815	ASTM B363	ASTM B637
ASTM A234	ASTM A437	ASTM A727	ASTM A836	ASTM B366	

Origin

 imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES, SOUR SERVICES, OFF SHORE SERVICES, WITH LOW SULPHUR <0.002%, IMPACT TEST AT -50°C, BEAD CRUSH, 3 LAYER POLYETHYLENE COATING, 3 LAYER POLYPROPYLENE COATING, EPOXY COATING, RADIOGRAPHY (X RAY).

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Flanges

ASTM Standard

ASTM A105	ASTM A420	ASTM B381
ASTM A182	ASTM A522	ASTM B462
ASTM A234	ASTM A694	ASTM B564
ASTM A350	ASTM A707	
ASTM A403	ASTM A988	

Origin

 imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES, SOUR SERVICES, OFF SHORE SERVICES, WITH LOW SULPHUR <0.002%, IMPACT TEST AT -50°C, BEAD CRUSH, 3 LAYER POLYETHYLENE COATING, 3 LAYER POLYPROPYLENE COATING, EPOXY COATING, RADIOGRAPHY (X RAY).

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Titanium Pipes & Tubes (Seamless & Welded)

ASTM Standard

- ASTM B265 - Titanium and Titanium Alloy Strips, Sheets and Plates
- ASTM B299 - Titanium Sponge
- ASTM B338 - Seamless and Welded Titanium and Titanium Alloy Condenser and Heat Exchanger Tubes
- ASTM B348 - Titanium and Titanium Bars and Billets
- ASTM B363 - Seamless and Welded Unalloyed Titanium and Titanium Alloy Welded Fittings
- ASTM B367 - Titanium and Titanium Alloy Castings
- ASTM B381 - Titanium and Titanium Alloy Forgings
- ASTM B861 - Titanium and Titanium Alloy Seamless Pipe
- ASTM B862 - Titanium and Titanium Alloy Welded Pipe
- ASTM B863 - Titanium and Titanium Alloy Wire

Origin

RESI imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES, SOUR SERVICES, OFF SHORE SERVICES, WITH LOW SULPHUR <0.002%, IMPACT TEST AT -50°C, BEAD CRUSH, 3 LAYER POLYETHYLENE COATING, 3 LAYER POLYPROPYLENE COATING, EPOXY COATING, RADIOGRAPHY (X RAY).

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Titanium & their Alloys (Grade)

Grade 1, Grade 2, Grade 2H, Grade 3, Grade 4, Grade 5, Grade 6, Grade 7, Grade 7H, Grade 9, Grade 11, Grade 12, Grades 13, Grade 14, Grade 15, Grade 16, Grade 16H, Grade 17, Grade 18, Grade 19, Grade 20, Grade 21, Grade 23, Grade 24, Grade 25, Grades 26, Grade 26H, Grade 27, Grade 28, Grade 29, Grades 30, Grade 31, Grade 32, Grades 33, Grade 34, Grade 35, Grade 36, Grade 37, Grade 38.

Nickel Alloy Pipes & Tubes

ASTM Standard

ASTM B163 (Nickel 200 / Nickel 201 / UNS N02200 / UNS N02201

ASTM A209, ASTM A213, ASTM A250, ASTM A335, ASTM A369, ASTM A691

ASTM B 161 ASTM B 517 ASTM B 407 ASTM B690

ASTM B165 ASTM B 444 ASTM B 514 ASTM B423

ASTM B622 ASTM B 704 ASTM B 515 ASTM B 673

ASTM B626 ASTM B 705 ASTM B 535 ASTM B 674

ASTM B163 ASTM B 464 ASTM B710 ASTM B 677

ASTM B 167 ASTM B 468 ASTM B675

ASTM B 516 ASTM B 729 ASTM B676

Ni-Mo alloys

N10001 Ni-cr-fe-mo-cu alloys n06007 N06059

N10665 N06030 Low c-ni-cr-mo-cu alloy n06200

N10675 Ni-Mo-Cr-Fe Alloy N10242 Low c-ni-fe-cr-mo-cu alloy n08031

N10629 Low C Ni Cr-Mo Alloys N10276 Low c-ni-cr-mo-w alloy n06686

N06022 Ni-fe-cr-mo alloys n08320 Ni-co-cr-si alloy n12160

N06035 Ni-cr-mo-fe alloy n06002 Cr-ni-fe-n alloy r20033

N06455 Ni-fe-cr-co alloy r30556 Low c-ni-mo-cr-ta alloy n06210

N06975 Ni-cr-w-mo alloy n06230

N06985 Low c-ni-cr-mo alloy n06058

Origin

 imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES.

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Nickel Alloy Forging

ASTM Standard

ASTM B160	ASTM B 574	ASTM B 649	ASTM B691
ASTM B564	ASTM B 462	ASTM B335	ASTM B425
ASTM B164	ASTM B472	ASTM B473	ASTM B 573
ASTM B572	ASTM B166	ASTM B408	
ASTM B581	ASTM B446	ASTM B512	

Origin

 imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES.

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Copper Nickel Pipes & Tubes

ASTM Standard

Alloy UNS	Common Name	European
C70600	90-10	CuNi10Fe
C71500	70-30	CuNi30Fe
C71640	66-30-2-2	

Applications

Sea water pipework, Offshore fire water systems, Heat exchangers and condensers, Sheathing of legs and risers on offshore platforms and boat hulls, Hydraulic lines, Fish cages for aquaculture, Desalination units.

Origin

RESI imports & stocks material from :

Europe, Japan, USA, South Africa, Korea, India, Germany, China, Taiwan, Turkey, Ukraine.

Supplementary Requirements

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, HIC & SSC TESTED PIPES.

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Plates

We carry the widest range of Sizes and Specifications in Steel Plate available within India.

EN10025	AR 600	S420	EN 10207 P2655
High Strength Low Alloy Steel Plates	Pressure Vessel Steel Plate	S690	HIC Steel Plate
A36	A516 Grade 55, 60, 65, 70	S890	ASME SA516 HIC & ASTM A516HIC
A572 Grade 42, 50, 60, 65	TC 128	Offshore & Structural Plate	CarElso HIC Premium+
C SA G40.21 Grade 44W, 50W, 50A	A 612	Boiler, Pressure Vessel & Chrome Moly Steel	Quenched & Tempered
A709 Grade 36, 50, 50W	A 537	Pressure Vessel Steel	EN 10025 S690QC
A709 Grade HPS 50W, 70W	A 285	ASME SA516/ASTM 516-Gr70	RQT 701
A ASHTO M270 Grade 50, 50W	Offshore & Marine Steel Plant	EN 10028:3 P355 NL1 & P355 NL2	EN 10025 S 890QC
A588 & A606	ABS Grade A, B, AH36, DH36, EH36	BS 1501 224 490B LT50	Abrasion Resistant Steel
A 871 - 65	API 2H Grade 50	BS 1501 223 490B LT30	Abrazo 400
A656 Grade 50, 60, 70, 80	A633	BS 1501 225 490B LT50	High Yield Steel Plate
A 573 Grade 58, 65, 70	Armor & Ballistic Steel Plate	EN 10028:3 P355NH	460 Yield Steel Plate
A283	MIL A 46100	ASME SA537/ASTMA 537-Class 1	EN 10028:3 P460NL1
Alloy Quenched & Tempered Steel Plate	MIL A 12560	ASME SA516/ASTMA 516-Gr-65	EN 10028:3 P460NL2
A514 Grade B, E, F, H, Q, S	MIL A 46177	ASME SA516/ASTMA 516-Gr-60	EN 10028:3 P460NH
130 ksi/890 MPa Yield Strength	Low/High Carbon Non-Structural Steel Plate	EN 10028:3 P460NL1	EN 10025:3 S460N
140 ksi/960 MPa Yield Strength	A 830-1045	EN 10028:3 P460NL2	EN 10025:3 S460NL
TMCP 100 ksi/690 MPa	C1020	EN 10028:3 P460NH	Armour Plate
A710	Caterpillar Spec Steel	Boiler Plate Steel	Chrome Moly Plate
ASTM A829-4140	EN Standard Steel Plate	ASME SA516/ASTMA 516 Gr 60	ASME SA 387 & ASTM A387
Abrasion Resistant Steel Plate	S235	EN 10028:3 P275NH	SA 387 / A387 Gr 11
A R Medium : AR200/AR235	S275	BS 1501 161 430 A/B	SA 387 / A387 Gr 12
A R 400/400F	S355	EN 10028:2 P265 GH	SA 387 / A387 Gr 22
A R 450/450F			Offshore & Structural Steel Plate
A R 500/500F			

Hollow Section

ASTM Standard

ASTM A554

Grade

301, 302, 304, 304L, 305, 309S, 309S-Cb, 310S, 316, 316L, 317, 321, 330, 347, 429, 430, 430-Ti.

Size

Square Hollow Section - 20 x 20 - 300 x 300

Rectangular Hollow Section - 30 x 20 - 400 x 200

Services

Cut to Length, Multiple Length, Laser Cutting, Polishing, Special Materials.

Delivery Condition

The Tubes shall be Furnished in any of the following conditions as specified :

As welded, Welded and Annealed, Cold Reduced, Cold Reduced and Annealed, Seamless

The inside diameter bead shall be furnished in any of the following conditions as specified :

Bead not removed

Bead controlled to 0.005 in (0.13 mm) or 15% of the specified wall thickness, whichever is greater,

Bead Removed

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

4130 Pipes & Pipe Fittings

This low alloy steel containing nominally 0.3% carbon, 1% chromium and 0.2% molybdenum is used widely in oil patch applications. It is similar to 4140 which has a higher carbon level giving 4130 improved weldability in comparison to 4140, though this is achieved at the expense of through thickness strength. The hardenability limitations of this grade (depth to which it will harden / obtain the specified mechanical properties after heat treatment) must always be taken into account when designing and selecting equipment.

ASTM Standard

ASTM A519
AISI4130
API 5CT

Products

Elbows, Tees, Reducers, Flanges, API Connections, Hammer Lug Unions, Manifold Fittings, High Pressure Couplings & Hoses
API 6A Valves, High Pressure Seamless Pipe, Turnkey Manifold, Solid Round Bars

Supplementary Requirement

NACE MR0175, MR0103 / ISO 3183 / NACE TM0284, YS - Min 85,000 Psi, UTS - 1,10,000 Psi withstanding 15,000 pressure

Delivery Condition

Annealed, Normalized, Stress Relieved, Quenched & Tempered

Speciality

We specialize and have extensive stock of 4130 pipes, fittings, flanges round bars and expertise in fast track delivery of large diameter and heavy wall fittings.

Nickel Alloy Plates

ASTM Standard

Nickel Alloy

ASTM B162 (UNS N02200, UNS N02201)

ASTM B127 (UNS N04400)

ASTM B 435 (UNS N06002, UNS N06230, UNS N12160, AND UNS R30556)

ASTM B 582 (ALLOY N06007, ALLOY N06975, ALLOY N06985, ALLOY N06030)

ASTM B 575 (ALLOY N06035, ALLOY N10276, ALLOY N06022, ALLOY N06455,
ALLOY N06059, ALLOY N06058, ALLOY N06200, ALLOY N06210, ALLOY N06686)

ASTM B168 (UNS N06600, UNS N06601, UNS N06617, UNS N06690,
UNS N06693, UNS N06025, UNS N06045, UNS N06603, UNS N06696,
UNS N06617)

ASTM B 443 (UNS N06625, UNS N06219)

ASTM B463 (UNS N08026, UNS N08020, UNS N08024)

ASTM B 625 (UNS N08925, UNS N08031, UNS N08932, UNS N08926,
UNS N08354, UNS R20033)

ASTM B409 (ALLOY N08120, ALLOY N08890, ALLOY N08800,
ALLOY N08810, ALLOY N08811)

ASTM B 536 (UNS N08330, UNS N08332)

ASTM B688 (N08366, N08367)

ASTM B424 (UNS N08825, UNS N08821)

ASTM B333 (ALLOY N10001, ALLOY N10665, ALLOY N10675, ALLOY N10629, ALLOY N10624)

ASTM B 434 (UNS N10242, UNS N10003)

Supply Condition

In standard & non standard sizes | Available in other thicknesses, widths and lengths | Thickness tolerance to BS EN 10029 Class B
NACE Hardness to MR 0175 | Annealed and pickled | Inter Granular Corrosion test (IGC) to ASTM A 262 Practice E | Hot rolled Mill Finish No. 1
Polished to meet your requirements - dull or bright polishing

Email : sales@rolfinc.com

www.rolfinc.com

Phone : +91 22 23894513

Fax : +91 22 23894511

Fabrication

Products

DEAERATOR	DRIERS
HEAT EXCHANGERS	REACTOR VESSELS
PRESSURE VESSELS	INDUSTRIAL FANS & BLOWERS
STORAGE TANKS & BULLETS	POLLUTION CONTROL EQUIPMENT
STEEL CHIMNEY	CONE STRAINERS
SILENCERS	FUEL FIRING EQUIPMENT & FLARE STACK
DAMPERS	DISH ENDS
DUCT & METALLIC EXPANSION BELLOWS	DISHED ENDS
SCREW CONVEYOR	TUBE SHEET
GLASS HANDLING TOOL	BAFFLE PLATE

Manufacturing Facilities

Profile Cutting	Pug Cutting
Welding Machines ARC, TIG, MIG.	Monorail
Grinding M/C.,	Bending
Sandering M/C.	Welding
Plate Bending / Rolling M/C.	Fitment

Alloy Steel Pipes & Tubes

ASTM Standard

ASTM A209	ASTM A369	ASTM A530	ASTM A714
ASTM A213	ASTM A426	ASTM A595	ASTM A847
ASTM A250	ASTM A450	ASTM A618	ASTM A1016
ASTM A334	ASTM A513	ASTM A691	
ASTM A335	ASTM A519	ASTM A697	

Grade

ASTM A209 T1, T1a, T1b

ASTM A213 T2, T5, T5b, T5c, T9, T11, T12, T17, T21, T22, T23, T24, T36, T91, T92, T122, T911

ASTM A250 T1, T1a, T1b, T2, T11, T12, T22

ASTM A335 P1, P2, P5, P5b, P5c, P9, P11, P12, P15, P21, P22, P23, P24, P36, P91, P92, P122, P911

ASTM A369 FPA, FPB, FP1, FP2, FP5, FP9, FP11, FP12, FP21, FP22, FP91, FP92

ASTM A691 CM65, CM70, CM75, CMSH70, CMS75, CMSH80, ½ Cr, 1Cr, 1¼ Cr, 2 ¼ Cr, 3Cr, 5Cr, 9Cr, 91

Delivery Condition

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Speciality

As Rolled, Normalized, Thermomechanical Rolled / Formed, Normalized & Tempered, Quenched & Tempered, Annealed, Stress Relieved.

Stainless Steel Plates

ASTM Standard

Stainless Steel

Austenitic Grades

ASTM A240 304 / 304L - BS EN 10028-7 - 1.4301/1.4307

ASTM A240 316 / 316L - BS EN 10028-7 - 1.4301/1.4304

ASTM A240 321 / 321H - BS EN 10028-7 - 1.4541

ASTM A240 304H - BS EN 10028-7 - 1.4948

Duplex

ASTM A240 UNS S31803 - BS EN 10028-7 - 1.4462

Super Duplex

ASTM A240 UNS S32750

Nickel Alloy

Inconel® 600, 601, 617, 625, 718, X-750 Inco Alloy HX:

Incoloy® 800/800H, Alloy 330, Alloy 188, L-605

Supply Condition

In standard & non standard sizes | Available in other thicknesses, widths and lengths | Thickness tolerance to BS EN 10029 Class B

NACE Hardness to MR 0175 | Annealed and pickled | Inter Granular Corrosion test (IGC) to ASTM A 262 Practice E | Hot rolled Mill Finish No. 1

Polished to meet your requirements - dull or bright polishing

Bend Pipes

We are supplier of mandrel bends to the stainless steel fabrication industry. Our products are used in a wide range of markets in India and overseas, also bending to customers specifications we stock a wide range of stainless steel, mild steel and aluminium butt weld bends, safety grab rails and swimming pool ladder rails. With many years of experience and expertise in forming tube & pipe, Rolf is committed to providing top quality, bent tube and box section in Stainless Steel, Mild Steel, CDS, T45, Aluminum and on time service to our clients .

Mandrel Bending | Rolling | Swaging & Flaring | CNC Capability | One-off Bends to Multiples | Fast & Accurate | Quick turn-around | Stainless, Aluminium, Copper, Brass & Pipe

Tube size from 6mm to 114.3 mm OD can be manipulated on a variety of different centre line radii to accommodate differing wall thicknesses required by fabricators. Various areas of product design and fabrication have recognised the potential in utilising this specialist capability, including architectural designers, where the use of high-performance stainless tube matches many contemporary design visions.

A variety of methods can be used for bending stainless steel tubing. If the bend has a large radius, the tubing can be curved with three-roll benders (also called section benders, profile benders, or angle rolls.) If the bend has a tight radius, the tubing can be bent on a rotary-draw bender through a process called mandrel tube bending.

Both welded and seamless tubing can be curved. When the desired radius is very tight, seamless usually bends better.

Since the application of bent stainless tube often involves products for the pharmaceutical and food industries, care must be taken to avoid carbon contamination of the steel. The machinery and tooling should be cleaned and prepared to avoid such contamination. Furthermore, care should be taken to avoid having metal strapping in contact with the stainless parts. Cardboard, wood or plastic can be used to protect the tubing during transit.

After bending stainless steel tubing, a nut and sleeve can be slid over the ends which then can be flared. Process piping is often supplied this way.

Tubing is also becoming increasingly popular in construction in roof trusses, canopies, balconies, and many other applications. Accuracy of 0.1 of a degree is achieved for a variety of applications, automotive, architectural and marine.

We Export...



ROLF

ENGG. SOLUTIONS INC.

Manufacturers & Exporters for

Carbon Steel | Stainless Steel | Alloy Steel | Titanium | Fabrication | Pipe sleeve

Head Off. :

29-B, Nakoda Bhuvan, Sindhi Lane, Mumbai - 400 004. Maharashtra, India.

Phone : +91 22 4343 1313 (25 Lines) 2389 4513 | 2389 4514 | Fax : +91 22 2389 4511

Email : sales@rolfinc.com | domestic@rolfinc.com | export@rolfinc.com

Works

10/3, MIDC, Talaja, Navi Mumbai - 410 208.

Email : works@rolfinc.com

Stockyard

Plot No. 1112 / 1113, Road No. 12, Shree Opera House, Kalamboli Steel Market, Dist. Raigad, Maharashtra.