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Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution.

**ALWAYS DEDICATED
& DEVOTED**

**A COMMITMENT
OF TRUST**



Our Service

Ragnar metals and tubes is the largest Manufacturer & Stockist of stainless steel products in India.



Our Mission

To provide high-quality items that meet our clients' needs in a timely way.



Our Vision

Our goal is to expand into a major company that serves as a one-stop shop for all metal needs.



Quick Response:

You will be delighted to receive instant responses and quick quotes for your requirements

350+

Project Done

98%

Happy Clients

We specialize in Duplex Steel, Super Duplex Steel, SMO 254, Hardox, Inconel, Monel, Hastelloy, Titanium, Oil Hardened Steel, Stainless Steel, Alloy Steel, Carbon Steel, CuproNickel Alloys & Other ferrous and Non ferrous alloys.

PIPES & TUBES

Pipes Size: 1/2" – 24" Seamless Pipes & 1/2" – 60" Welded Pipes

Thickness: Sch.5 to Sch. XXS

Tube Size: 1/2" – 12" Seamless & Welded Tubes

Thickness: 0.4mm to 12.7mm

Dimension Standard: ASME B36.10

Types: Seamless, Welded, ERW, EFW CL.1 & 2, L SAW, H SAW

Grades:

Stainless Steel Pipes & Tubes: 904L, 304, 304L, 304H, 310, 310S, 316, 316L, 316Ti, 316H, 317L, 321, 321H, 347, 347H, 202, 409, 410, 446.

Duplex & Super Duplex Steel Pipes & Tubes: Duplex 2205/UNS S32205/UNS S31803, Super Duplex 2507/UNS S32750, Super Duplex UNS S32760

SMO 254 Pipes & Tubes: SMO 254/UNS S31254

Carbon Steel Pipes & Tubes: A106 Grade B, API 5L/API5L Grade X42, X46, X52, X56, X60, X65, X70, IS 1239, IS 3589

Carbon Steel Boiler Tubes: SA 179, SA 210 Grade A1

Low Temperature Carbon Steel Pipes & Tubes: A333 Grade 6

Alloy Steel Pipes & Tubes: P1/T1, P5/T5, P9/T9, P11/T11, P22/T22, P91/T91

Nickel Alloy Pipes & Tubes: Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Pipes & Tubes: Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Pipes & Tubes: Titanium Grade 2, Titanium Grade 5



BUTT-WELD FITTINGS

Size: 1/2" – 24" Seamless & 1/2" – 60" Welded

Thickness: Sch.5 to Sch. XXS

Dimension Standard: ASME/ANSI B16.9, ASME B16.28, MSS-SP-43

Types: Elbow, Tee, Cross Tee, Reducer, Cap, Stub – End etc.

SPECIALISED IN: STUB ENDS

Grades:

Stainless Steel Butt Weld Fittings: WP - 904L, 304, 304L, 304H, 310, 310S, 316, 316L, 316Ti, 316H, 317L, 321, 321H, 347, 347H.

Duplex & Super Duplex Steel Butt Weld Fittings: WP - Duplex 2205/UNS S32205/UNS S31803, Super Duplex 2507/UNS S32750, Super Duplex UNS S32760

SMO 254 Butt Weld Fittings: WP - SMO 254/UNS S31254

Carbon Steel Butt Weld Fittings: WPB, WPHY42, WPHY46, WPHY52, WPHY60, WPHY 65, WPHY 70

Alloy Steel Butt Weld Fittings: WP - P1, P5, P9, P11, P22, P91

Low Temperature Carbon Steel Butt Weld Fittings: WPL3, WPL6

Nickel Alloy Butt Weld Fittings: WP - Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Butt Weld Fittings: WP - Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Butt Weld Fittings: WP - Titanium Grade 2, Titanium Grade 5



LONG RADIUS BENDS

Size: 1/2" to 24"

Thickness: Sch 20 to Sch XXS

Radius: 3D, 5D, 6D, 8D, 10D & 20D and Customized Bend as Per Drawings.

Dimension Standard: ASME/ANSI B16.9

Grades:

Stainless Steel Long Radius Bends: WP - 904L, 304, 304L, 304H, 310, 310S, 316, 316L, 316Ti, 316H, 317L, 321, 321H, 347, 347H.

Duplex & Super Long Radius Bends: WP - Duplex 2205/UNS S32205/UNS S31803, Super Duplex 2507/UNS S32750, Super Duplex UNS S32760

SMO 254 Long Radius Bends: WP - SMO 254/UNS S31254

Carbon Steel Long Radius Bends: WPB, WPHY42, WPHY46, WPHY52, WPHY60, WPHY 65, WPHY 70

Alloy Steel Long Radius Bends: WP - P1, P5, P9, P11, P22, P91

Low Temperature Carbon Steel Long Radius Bends: WPL3, WPL6

Nickel Alloy Long Radius Bends: WP - Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Long Radius Bends: WP - Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Butt Long Radius Bends: WP - Titanium Grade 2, Titanium Grade 5





OUR PRODUCT

FLANGES

Size : 1/2" (15 NB) to 48" (1200NB)

Class/Pressure : 150#, 300#, 600#, 900#, 1500#, 2500#, PN6, PN10, PN16, PN25, PN40, PN64 etc.

Dimension Standard : ASME/ANSI B16.5, ASME/ANSI B16.47, ASME/ANSI B16.48, EN 1092

Type:

SORF, BLRF, WNRF, SWRF, Long Weld Neck Flange, Lap Joint Flange, Reducing Flange, Spectacle Blind Flanges, RTJ Flange, Threaded Flanges, Orifice Flange, Weldo/Nipo Flange

SPECIALISED IN: SPECTACLE BLIND

Grades:

Stainless Steel Flanges : ASTM - A 240/182 F- 904L, 304, 304H, 304L, 316, 316H, 316L, 316Ti, 310, 310S, 317L, 321, 321H, 347, 347H, etc.

Duplex & Super Duplex Flanges : ASTM - A240/182 – F51(UNS S31803), F60(UNS S32205) F53(UNS S32750), F55(UNS S32760).

SMO 254 Flanges : ASTM A240/182 F44

Alloy Steel Flanges : ASTM A182 –F5, F9, F11, F12, F21, F22 & F91.

Carbon Steel Flanges : SA105

Low Temperature Carbon Steel Flanges : A350 LF2

Nickel Alloy Long Flanges : Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Flanges : Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Flanges : Titanium Grade 2, Titanium Grade 5



FORGED FITTINGS

Size: 1/2"NB TO 4"NB

Class/Pressure: 2000 LBS, 3000 LBS, 6000 LBS, 9000 LBS

Dimension Standard : ASME / ANSI B16.11, MSS-SP 97

Types : Elbow, Tee, Union, Coupling, Cap, Nipple, Bush, Plug, Hydraulic Fittings, Swage Nipple

Grades:

Stainless Steel Forged Fittings : ASTM - A182 F- 904L, 304, 304H, 304L, 316, 316H, 316L, 316Ti, 310, 310S, 317L, 321, 321H, 347, 347H, etc.

Duplex & Super Forged Fittings : ASTM - A182 – F51(UNS S31803), F60(UNS S32205) F53(UNS S32750), F55 (UNS S32760).

SMO 254 Forged Fittings : ASTM A182 F44(UNS S31254)

Alloy Steel Forged Fittings : ASTM A182 –F5, F9, F11, F12, F21, F22 & F91.

Carbon Steel Forged Fittings : SA105

Low Temperature Carbon Steel Forged Fittings : A350 LF2

Nickel Alloy Long Forged Fittings : Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Forged Fittings : Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Forged Fittings : Titanium Grade 2, Titanium Grade 5



OUTLETS

Size: 1/2"NB TO 4"NB

Class/Pressure: 2000 LBS, 3000 LBS, 6000 LBS, 9000 LBS

Dimension Standard : ASME / ANSI B16.11, MSS-SP 97

Types : Elbow, Tee, Union, Coupling, Cap, Nipple, Bush, Plug, Hydraulic Fittings, Swage Nipple

Grades:

Stainless Steel Forged Fittings : ASTM - A182 F- 904L, 304, 304H, 304L, 316, 316H, 316L, 316Ti, 310, 310S, 317L, 321, 321H, 347, 347H, etc.

Duplex & Super Forged Fittings : ASTM - A182 – F51(UNS S31803), F60(UNS S32205) F53(UNS S32750), F55 (UNS S32760).

SMO 254 Forged Fittings : ASTM A182 F44(UNS S31254)

Alloy Steel Forged Fittings : ASTM A182 –F5, F9, F11, F12, F21, F22 & F91.

Carbon Steel Forged Fittings : SA105

Low Temperature Carbon Steel Forged Fittings : A350 LF2

Nickel Alloy Long Forged Fittings : Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Forged Fittings : Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Forged Fittings : Titanium Grade 2, Titanium Grade 5



SPOOLS

Size: 6" to 36" in Required Schedules.

SPECIALISED IN: CARBON STEEL SPOOLS

Grades :

Stainless Steel Spools : 904L, 304, 304L, 304H, 310, 310S, 316, 316L, 316Ti, 316H, 317L, 321, 321H, 347, 347H.

Duplex & Super Duplex Spools : Duplex 2205/UNS S32205/UNS S31803, Super Duplex 2507/UNS S32750, Super Duplex UNS S32760

SMO 254 Spools : SMO 254/UNS S31254

Carbon Steel Spools : A106 GR B, X42, X46, X52, X60, X65, X70

Alloy Steel Spools: P1, P5, P9, P11, P22, P91

Low Temperature Carbon Steel Spools : WPL3, WPL6

Nickel Alloy Spools : Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Spools: Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Butt Long Radius Bends: Titanium Grade 2, Titanium Grade 5



COMPRESSION TUBE FITTINGS

Size: 1/16" to 1" & 4 MM to 25 MM

Type: Male Branch Tee, Female Run Tee, Female Connector, Male Adapter, 45° Male Elbow-45ME, Male Connector NPT-M, Union Cross, Bulk Head Male Connector, Bulk Head Union, Front Ferrule, Port Connector

SPECIALISED IN: HASTELLOY C276 COMPRESSION TUBE FITTINGS

Grades :

Stainless Steel Compression Tube Fittings: 904L, 304, 304L, 304H, 310, 310S, 316, 316L, 316Ti, 316H, 317L, 321, 321H, 347, 347H, 202, 409, 410, 446.

Duplex & Super Duplex Compression Tube Fittings: Duplex 2205/UNS S32205/UNS S31803, Super Duplex 2507/UNS S32750, Super Duplex UNS S32760

SMO 254 Compression Tube Fittings: SMO 254/UNS S31254

Nickel Alloy Compression Tube Fittings: Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Compression Tube Fittings: Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Compression Tube Fittings: Titanium Grade 2, Titanium Grade 5



FASTENERS

Size : M5 to M60

Form : Hex Bolt, Square Bolt, Stud Bolt, Eye Bolt, Threaded Bar, Allen Bolt, Flat Screw, Grub Screw, Hex Nut, Square Nut, Plain Washer, Hardlock Nut, Wing Nut, Customised as per Drawing.

Grades:

Stainless Steel Fasteners : 904L(UB6), 304/304L/304H(B8), 316/316L/316Ti/316H(B8M), 317L, 310, 321/321H(B8T), 347H(B8C), 410(B6), A453 GR 660 A/B/C & D.

Duplex Steel Fasteners : UNS S31803, DUPLEX 2205/UNS S32205, UNS S32750, UNS S32760.

SMO 254 Compression Tube Fittings : SMO 254/UNS S31254

Carbon Steel Fasteners : MS, Gr.B7, B8, B16, Gr.L7, 4.6, 8.8, 10.9

Nickel Alloy Fasteners : Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Inconel 718, Inconel X-750, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Copper Alloy Fasteners : Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Fasteners : Titanium Grade 2, Titanium Grade 5



SHEET, PLATE & COIL

Size:

Width : 1250mm to 2500mm
Length - Till 6000mm
And in Customised Dimensions
Thickness: 0.1 MM To 50 MM

Form: Coils, Foils, Rolls, Plain Sheet, Shim Sheet, Perforated Sheet, Chequered Plate, Strip, Flats, Blank (Circle), Rin (Flange) etc.

Grades:

Stainless Steel Sheet & Plates: 904L, 304, 304L, 304H, 309, 310, 310S, 316, 316L, 316H, 316Ti, 317L, 321, 321H, 34, 347H, 253MA, 409, 410, 202, 17-4 PH.

Duplex & Super Duplex Steel Sheets & Plates: Duplex 2205/UNS S32205, UNS S31803, Super Duplex 2507/UNS S32750, UNS S32760

SMO 254 Sheets & Plates: SMO 254/UNS S31254

Carbon Steel Sheets & Plates: IS 2062 Gr B, A516 Grade 60 and 70, A36, C1045

Alloy Steel Sheets & Plates: P1, P5, P9, P11, P22, P91

Nickel Alloy Sheets & Plates: Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20

Abrasion Resistant Sheets & Plates: Hardox 400, Hardox 450, Hardox 500, Abrex 400, Abrex 450, Abrex 500, Rocks 400, Rockstar 450, Rockstar 500, JFE EH 360, JFE EH 400, JFE EH 500 Plates

Copper Alloys Sheets & Plates: Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Sheet & Plates: Titanium Grade 2, Titanium Grade 5



RODS & BARS

Size: 6MM TO 350MM

Length: 100 MM TO 6 MTR LONG

Types: Round, Square, Hex (A/F), Rectangle, Billet, Ingot, Forging Etc.

Grades:

Stainless Steel Rods & Bars: 904L, 304, 304L, 304H, 310, 310S, 316, 316L, 316H, 316Ti, 317L, 321, 321H, 347, 347H, 400, 409, 410, 420, 446, 17-4 PH, 13-8PH.

Duplex Steel Rods & Bars: Duplex 2205/UNS S32205, UNS S31803, Super Duplex 2507/UNS S32750, UNS S32760

SMO 254 Rods & Bars: SMO 254/UNS S31254

Carbon Steel Rods & Bars: SA105, IS2062, AISI 1018, EN8/C45, EN24/SAE 4340

Low Temperature Carbon Steel Rods & Bars: A350 LF2

Alloy Steel Rods & Bars: F1, F5, F9, F11, F12, F22, F91

Nickel Alloy Rods & Bars: Hastelloy C22, Hastelloy C276, Inconel 600, Inconel 601, Inconel 625, Inconel 718, Incoloy 800/800H/800HT, Incoloy 825, Nickel 200/201, Monel 400/K500, Alloy 20, A286 (Grade 660)

Copper Alloys Rods & Bars: Copper Nickel 70/30, Copper Nickel 90/10 & Other Copper Alloys

Titanium Rods & Bars: Titanium Grade 2, Titanium Grade 5



VALVES

Size: ½" to 24"

Standard: ASME/ANSI: B16.10

Class/Pressure: 150# to 2500#

Types: Ball Valve, Gate Valve, Globe Valve, Plug Valve, Butterfly Valve, Pinch Valve, Check Valve, Non-Return Valve, Foot Valve, Strainer, Needle Valve, Pressure Gauge, Temperature Gauge, etc.

Material: Stainless Steel, Duplex Steel & Super Duplex Steel, SMO 254, Carbon Steel & High Nickel Alloys.



Nominal Dimensions of Pipe



Nominal Pipe Size		Outside Diameter (mm)	Wall Thickness (mm)																
			Stainless Steel				Carbon Steel												
			Sch 5S	Sch 10S	Sch 40S	Sch 80S	Sch 10	Sch 20	Sch 30	Sch 40	STD	Sch 60	Sch 80	XS	Sch 100	Sch 120	Sch 140	Sch 160	XXS
DN	NPS																		
6	1/8	10.3		1.24	1.73	2.41	1.24		1.45	1.73	1.73		2.41	2.41					
8	1/4	13.7		1.65	2.24	3.02	1.65		1.85	2.24	2.24		3.02	3.02					
10	3/8	17.1		1.65	2.31	3.20	1.65		1.85	2.31	2.31		3.20	3.20					
15	1/2	21.3	1.65	2.11	2.77	3.73	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47
20	3/4	26.7	1.65	2.11	2.87	3.91	2.11		2.41	2.87	2.87		3.91	3.91				5.56	7.82
25	1	33.4	1.65	2.77	3.38	4.55	2.77		2.90	3.38	3.38		4.55	4.55				6.35	9.09
32	1 1/4	42.2	1.65	2.77	3.56	4.85	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.70
40	1 1/2	48.3	1.65	2.77	3.68	5.08	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15
50	2	60.3	1.65	2.77	3.91	5.54	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07
65	2 1/2	73.0	2.11	3.05	5.16	7.01	3.05		4.78	5.16	5.16		7.01	7.01				9.53	14.02
80	3	88.9	2.11	3.05	5.49	7.62	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24
90	3 1/2	101.6	2.11	3.05	5.74	8.08	3.05		4.78	5.74	5.74		8.08	8.08					
100	4	114.3	2.11	3.05	6.02	8.56	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12
125	5	141.3	2.77	3.40	6.55	9.53	3.40			6.55	6.55		9.53	9.53		12.70		15.88	19.05
150	6	168.3	2.77	3.40	7.11	10.97	3.40			7.11	7.11		10.97	10.97		14.27		18.26	21.95
200	8	219.1	2.77	3.76	8.18	12.70	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23
250	10	273.1	3.40	4.19	9.27	12.70	4.19	6.35	7.80	9.27	9.27	12.70	15.09	12.70	18.26	21.44	25.40	28.58	25.40
300	12	323.9	3.96	4.57	9.53	12.70	4.57	6.35	8.38	10.31	9.53	14.27	17.48	12.70	21.44	25.40	28.58	33.32	25.40
350	14	355.6	3.96	4.78	9.53	12.70	6.35	7.92	9.53	11.13	9.53	15.09	19.05	12.70	23.83	27.79	31.75	35.71	
400	16	406.4	4.19	4.78	9.53	12.70	6.35	7.92	9.53	12.70	9.53	16.66	21.44	12.70	26.19	30.96	36.53	40.49	
450	18	457	4.19	4.78	9.53	12.70	6.35	7.92	11.13	14.27	9.53	19.05	23.83	12.70	29.36	34.93	39.67	45.24	
500	20	508	4.78	5.54	9.53	12.70	6.35	9.53	12.70	15.09	9.53	20.62	26.19	12.70	32.54	38.10	44.45	50.01	
550	22	559	4.78	5.54			6.35	9.53	12.70		9.53	22.23	28.58	12.70	34.93	41.28	47.63	53.98	
600	24	610	5.54	6.35	9.53	12.70	6.35	9.53	14.27	17.48	9.53	24.61	30.96	12.70	38.89	46.02	52.37	59.54	
650	26	660					7.92	12.70			9.53			12.70					
700	28	711					7.92	12.70	15.88		9.53			12.70					
750	30	762	6.35	7.92			7.92	12.70	15.88		9.53			12.70					

? These dimensions are nominal - substantial tolerances apply - refer to EcAhtV laoste12 and the standards for details.
 ? Stainless steel pipe nominal dimensions based on ASTM A312M and ASME B36.19M-2004.
 ? Carbon steel pipe nominal dimensions based on ASTM A106M and ASME B36.10M-2004. For other wall thicknesses and for sizes above DN750 up to DN2000 consult ASME B36.10M.



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