

RANDHIR METAL AND ALLOYS PVT LTD.

AN ISO 9001: 2008 | ISO 14001 | OHSAS 18001 CERTIFIED COMPANY.



WE ARE,

SPECIALIST IN STAINLESS STEEL, NICKEL ALLOYS, CARBON STEEL & ALLOY STEEL.

OUR

PRODUCT RANGE ARE PIPES, TUBES, BUTTWELD FITTINGS, FORGED FITTINGS, FLANGES, FASTENERS, BARS & RODS, TUBE FITTINGS, OUTLETS, SHEETS/PLATES, AND CUSTOMISED FITTINGS AS PER DRAWINGS.

BUTT-WELD FITTING

Stainless Steel & Duplex Steel Fittings

Size : 1/2"NB to 36"NB, ANSI B 16.9, MSS-SP-43
Schedule : 10S/40S/80S/160S/XXS
Stainless Steel : ASTM A 403 WP - TP 304/304H/304L/316/316H/
316L/316Ti/309/310/317L/321/347/904L
Duplex steel : ASTM A815 - UNS S31803, S32750, S32760, S32205

Alloy Steel, Carbon Steel & LTCS Fittings

Size : 1/2"NB to 36"NB, ANSI B 16.9
Schedule : 10S/40S/80S/160S/XXS
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 Services : Hot Dip Galvanizing, Sand Blasting

Copper & Nickel Alloys Fittings

Size : 1/2"NB to 36"NB, ANSI B 16.9
Schedule : 10S/40S/80S
Copper Nickel : C70600(90:10), C71500 (70:30), C71640
Nickel : UNS N02200, N02201
Monel : UNS N04400, N05500, Alloy 20
Inconel : UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy : UNS N10276, N06022, N10665, N06455



Type

Elbow (45 DEG , 90 DEG , 180 DEG)
Tee - (Barred, Equal, Reducing)
Reducer - (Concentric & Eccentric)
Nipple - (Swage & barrel)

Stubend - (Long & Short)
U Bend
End Cap
Laterals

LONG RADIUS BENDS

Stainless Steel & Duplex Steel Bends

Size : 1/2" to 24"
Schedule : Sch. 10 to Sch 160 in 3D, 5D, 6D, 8D, 10D
Stainless Steel : ASTM A 403 WP - TP 304/304H/304L/316/316H/
316L/316Ti/309/310/317L/321/347/904L
Duplex steel : ASTM A815 - UNS S31803, S32750, S32760, S32205

Alloy Steel, Carbon Steel & LTCS Bends

Size : 2" to 24"
Schedule : Sch. 2 to Sch XXS in 3D, 5D, 6D, 8D, 10D
Alloy steel : ASTM A 234 WPB WP5, WP9, WP11, WP12, WP91
Carbon steel : ASTM A 234 WPB
Low Temp. CS : ASTM A-420 WPL6

Copper & Nickel Alloys Bends

Size : 1/2"to 12"
Schedule : Sch. 10 to Sch 80 in 3D, 5D, 6D, 8D, 10D
Copper Nickel : C70600(90:10), C71500 (70:30), C71640
Nickel : UNS N02200, N02201
Monel : UNS N04400, N05500, Alloy 20
Inconel : UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy : UNS N10276, N06022, N10665, N06455
Tolerance : Minimum wall Thickness Rate and Ovality, No Wrinkles, with required Tangent length



Type

Long Radius Bend
Piggable Bend
Hot Bend
Customized Bend

FORGED FITTING

Stainless Steel & Duplex Steel Forged Fittings

Size : 1/2"NB to 4"NB, (Socket Weld & Threaded)
Class : 3000#, 6000#, 9000# in ANSI B 16.11
Stainless Steel : ASTM A 182 F - 304/304H/304L/316/316H
316L/316Ti, 309, 310, 317L, 321, 347, 904L
Duplex steel : ASTM A 182 - F 51, F 53, F 55

Alloy Steel, Carbon Steel & LTCS Forged Fittings

Size : 1/2"NB to 4" NB (Socket Weld & Threaded)
Class : 3000#, 6000#, 9000# in ANSI B 16.11
Alloy steel : ASTM A 182 - F5, F9, F11, F21, F22 & F91
Carbon steel : ASTM A 105
Low Temp. CS : A 350 LF2
Other Services : Hot Dip Galvanizing, Sand Blasting, Customized Machining

Copper & Nickel Alloys Forged Fittings

Size : 1/2"NB to 4"NB, (Socket Weld & Threaded)
Class : 3000#, 6000#, 9000#, In ANSI B 16.11
Copper Nickel : C70600(90:10), C71500 (70:30), C71640
Nickel : UNS N02200, N02201
Monel : UNS N04400, N05500, Alloy 20
Inconel : UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy : UNS N10276, N06022, N10665, N06455
Titanium : Gr. 1,2,3 DTH 3.7025, DTH 3.7035, DTH 3.7055



Type	Elbow (45 & 90 Deg)	Cap	Weldolet
Tee	Plug	Sockolet	Latrolet
Union	Bushing	Elbolet	Sweepolet
Cross	Boss	Threadolet	
Swage Nipple	Insert		
Coupling			

Test Certificate : Manufacturer Test Certificate En 10204 3.1 & 3.2
IBR Test Certificate Form IIIC

BRANCH CONNECTIONS

Stainless Steel & Duplex Steel Outlets

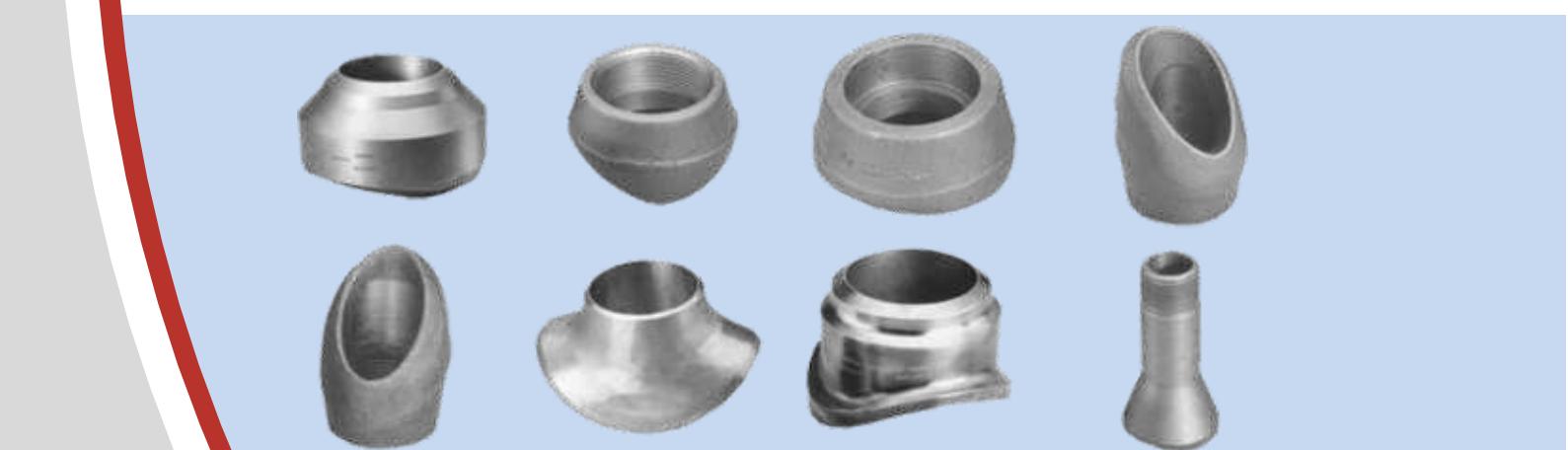
Size : 1/2"NB to 24"NB in various Schedule
Class : 3000LBS, 6000LBS
Stainless Steel : ASTM A 182 F - 304/304H/304L/316/316H
316L/316Ti, 309, 310, 317L, 321, 347, 904L
Duplex steel : ASTM A 182 - F 51, F 53, F 55

Alloy Steel, Carbon Steel & LTCS Outlets

Size : 1/2"NB to 24" NB in various Schedule
Class : 3000 LBS, 6000 LBS
Alloy steel : ASTM A 182 - F5, F9, F11, F22 & F91
Carbon steel : ASTM A 105
Low Temp. CS : A 350 LF2

Copper & Nickel Alloys Outlets

Size : 1/2"NB to 24"NB in various Schedule
Class : 3000 LBS, 6000 LBS
Copper Nickel : C70600(90:10), C71500 (70:30), C71640
Nickel : UNS N02200, N02201
Monel : UNS N04400, N05500, Alloy 20
Inconel : UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy : UNS N10276, N06022, N10665, N06455
Titanium : Gr. 1,2,3 DTH 3.7025, DTH 3.7035, DTH 3.7055



Type	Weldolet	Nipolet
Tee	Sockolet	Latrolet
Union	Elbolet	Sweepolet
Cross	Threadolet	

Test Certificate : Manufacturer Test Certificate En 10204 3.1 & 3.2
IBR Test Certificate Form IIIC

FLANGES

Stainless Steel & Duplex Steel Flanges

Size	: 1/2" NB to 48" NB, ANSI B 16.5
Standard	: 150#, 300#, 600#, 900#, 1500#, 2500# in ASA 150 & ASA 300
Stainless Steel	: ASTM A 240 / 182 F - 304/304H/304L/316/316H/ 316L/316Ti/309/310/317L/321/347/904L
Duplex steel	: ASTM A 182 - F 51, F53, F55

Alloy Steel, Carbon Steel & Flanges

Size	: 1/2" NB to 48" NB, ANSI B16.5
Schedule	: 150#, 300#, 600#, 900#, 1500#, 2500# in ASA 150 & ASA 300
Alloy steel	: ASTM A 182 - F5, F9, F11, F12, F22 & F91
Carbon steel	: ASTM A 105, ASTM A694, F42, F46, F52, F60, F65, F70
Low Temp.	: A 350 LF2, A 516 GR. 70

Copper & Nickel Alloys Flanges

Size	: 1/2"NB to 6" NB, ANSI B 16.5
Standard	: 150#, 300#, 600#, 900#, 1500#, 2500# in ASA 150 & ASA 300
Copper Nickel	: C70600(90:10), C71500 (70:30), C71640
Nickel	: UNS N02200, N02201
Monel	: UNS N04400, N05500, Alloy 20
Inconel	: UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy	: UNS N10276, N06022, N10665, N06455
Titanium	: Gr. 1,2,3 DTH 3.7025, DTH 3.7035, DTH 3.7055



Type	Weldneck	Screwed / Threaded
Socketweld	Long Weldneck	
Slip On	Lapped Joint	
Blind	Spectacle Blind	

WELDED 2 HALVES FITTINGS

Size	: 6" NB to 60" NB
Thickness	: Sch.10S/40S/80S/160/XXS
Dimension	: ANSI B 16.9:2007, MSS-SP-43, MSS-SP-75
Type	: Elbow, Tee, Reducer, Stubend, laterals, Customized Fittings.
Stainless Steel	: ASTM A 403 WPW- TP 304/304H/304L,316/316H/316L,316Ti, 309, 310, 317L, 321, 347, 904L
Duplex steel	: ASTM A815 – UNS S31803, S32760, S31500
Alloy Steel	: ASTM A 234 WPW, WP5, WP9, WP11, WP12, WP91
Carbon Steel	: ASTM A 234 WPB
Low Temperature carbon Steel	: ASTM A-420 WPL6
Copper Nickel	: C70600(90:10), C71500 (70:30), C71640
Nickel	: UNS N02200, N02201
Monel	: UNS N04400, N05500, Alloy 20
Inconel	: UNS N06600, N06601, N06625, N08800, N08810, N08825
Other Services	: Hot Dip Galvanizing, Sand Blasting

S.S.WELDED 90 DEG ELBOW
ASTM A 403 WPW UNS NO.8904
HEAT NO. N 4114

DUPLEX WELDED EQUAL TEE
ASTM A815 UNS 31803
HEAT NO. N 8102

S.S.WELDED CON. RED
ASTM A 403 WPW 347
HEAT NO. N 9434



Type	Elbow	Stubend
Tee		Laterals
Reducer		Customized Fittings

Test Certificate : Manufacturer Test Certificate as per EN 10204 3.1 & 3.2
NACE MR 01 75 with 100% Radiography film

Test Certificate : Manufacturer Test Certificate En 10204 3.1 & 3.2
IBR Test Certificate Form IIIC

PIPE

Stainless Steel & Duplex Steel Pipe

Size	: 1/2" to 30"
Schedule	: Sch. 5 to Sch. XXS
Stainless Steel	: ASTM A 312, A358 - TP 304/304H/304L/316/316H/ 316L/316Ti/309/310/317L/321/347/904L
Duplex steel	: ASTM A790 - UNS S31803, S32750, S32760, S32205

Alloy Steel, Carbon Steel & LTCS Pipe

Size	: 1/2" to 36"
Schedule	: Sch. 5 to Sch XXS
Alloy steel Pipe	: ASTM A335 Gr. P5, P9, P11, P12, P22 & P91
Carbon steel	: ASTM A 106 GR. B ASTM A53
Low Temp. Pipe	: ASTM A 333 Gr. 6
Line Pipe	: API 5L X 42, 46, 52, 56, 60, 70
Mild Steel &	: IS 1239, IS 3589
Galvanized Pipe	

Copper & Nickel Alloys Pipe

Size	: 1/2"NB to 10" NB
Schedule	: 10S/40S/80S
Copper Nickel	: C70600(90:10), C71500 (70:30), C71640
Nickel	: UNS N02200, N02201
Monel	: UNS N04400, N05500, Alloy 20
Inconel	: UNS N06600, N06601, N06625, N08800, N08810, N08825
Hastelloy	: UNS N10276, N06022, N10665, N06455



Type
Round
Square
Rectangle
Hydraulic

Test Certificate: Manufacturer Test Certificate En 10204 3.1 & 3.2
IBR Test Certificate Form IIIA/IIID

TUBES

Size	6mm OD to 219.08 mm OD
Thickness	0.6mm-10mm-Gauge: 22 SWG/BWG to 10 SWG/ BWG
Form	Round, Square, Rectangle, Coil, 'U' Shap
Length	Standard length & Cut length
Stainless Steel Tube	ASTM A-213, A-249, A269-TP 304/304H/304L, 316/316H/316L/316Ti, TP 309, 310, 317L, 321, 347, 904 L etc.
Low Alloy Steel Tube	ASTM A 213 - T-11, T-12, T-22, T-5, T-9 etc.
Carbon Steel Tube	BS 3059 Gr. 360 / 440, SA 179, SA / ASTM A 210 Gr. A 1
Copper Nickel Tube	ASTM B 111, C70600 (90:10), C71500 (70:30), C71640
Admiralty Brass Tube	ASTM B 111 C44300, C44400, C44500, C68700
Copper & Brass Tube	ASTM B 188 C11000, C12200, C26000, C27000, C28000
Nickel Alloy Tube	Nickel, Monel, Inconel, Alloy20 etc.
Specialize	Capillary Tube, IBR Tubes, Copper Nickel Tube

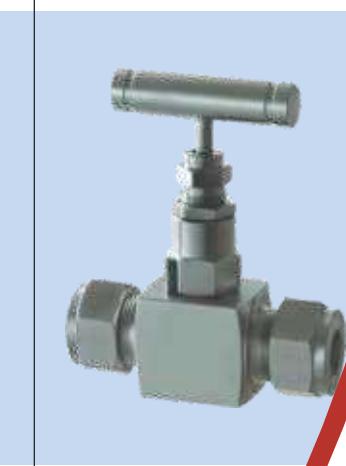


Type
Round
Square
U-tube
Coil Form

Test Certificate: Manufacturer Test Certificate as per EN 10204 3.1 & 3.2

TUBE FITTING

Size	1/16" to 2 ^{1/2} " inch
Type	Union tee, Female tee, Branch tee, Run tee, Male connector, Female connector, Elbow, Bulk head union, Reducing union, OD cap, OD plug.,
SS Tube fittings	Gr. 304, 304H, 309, 310, 316, 316L, 317L, 321, 347, 904L
Duplex S S Tube fittings	UNS N031803, N032750, N032760
CS Tube fittings	A105
AS Tube fittings	Gr.5, Gr.9, Gr.11, Gr.12, Gr. 22, Gr.91
Cu Ni Tube fittings	C 70600 (90:10), C71500 (70 : 30)
Nickel	UNS N02200, N02201
Monel	UNS N04400, N05500, Alloy 20
Inconel	UNS N06600, N06601,N06625, N08800,N08810, N08825
Hastelloy	UNS N10276, N06022, N10665, N06455
Other Services	Silver Plating
Specialize	Double compression fitting. Ball valve, needle, check.



Type	Union tee Female tee Branch tee Run tee Male connector Female connector	Elbow Bulk head union Reducing union OD cap OD plug
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Test Certificate: Manufacturer Test Certificate En 10204 3.1 & 3.2

BARS AND SHAFTS

Size	5mm" to 500mm dia
Length	500mm to 6000mm long and in Cut to size
Form	Round, Square, Hex (A/F), Rectangle, Flat etc.
Stainless Steel Bar	ASTM A- 479, A182 F 304/304H/304L, 316/316H/316L/316Ti, 309, 310, 317L, 321, 347, 409, 410, 420, 430, 440 (A,B,C) 446, 904L etc.
Other Grade Bar	17-4 PH, 15.5 PH, 4122 etc.
Duplex Steel Bar	A182 F51, F53, F55
Carbon Steel Bar	A 105, LF 2
Alloy Steel Bar	ASTM A-182 F11, F12, F22, F5, F9, F91
Cu-Ni Bar	C70600 (90:10), C71500 (70:30), C71640
Nickel Bar	UNS N02200, N02201
Monel Bar	UNS N04400, N05500
Inconel Bar	UNS N06600, N06601, N06625, N08800, N08810, UNS N08825
Hastelloy Bar	UNS N10276, N06022, N10665 , N06455
Finish	Bright, Polish & Black



Type	Round Square Hex (A/F) Rectangle
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Test Certificate: Manufacturer Test Certificate En 10204 3.1



RANDHIR METAL AND ALLOYS PVT LTD.

An ISO 9001:2008 , ISO 14001:200, OHSAS: 18001 Certified Co.

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