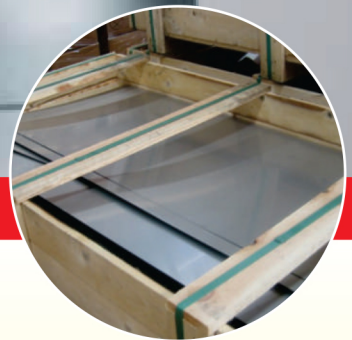


We Deliver in STEEL



KAVIRAJ METAL INDUSTRIES

**Importers and supplier's of: Stainless Steel, Alloy Steel, Nickel Alloy,
Monel Inconel, Titanium, Duplex and Super Duplex**

Manufacturer's of: Flange Elbow Reducer and All Pipe Fittings Items

73, Manaji Rajuji Bldg., 2nd Floor, Office No. 26, Bhandari Street,
1st Kumbharwada, Mumbai - 400004 | Mob.: 99202 55499 | Tel.: 022-6743 8412
Email : kavirajmetalind@gmail.com | www. kavirajmetal.com



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ISO 9001:2015

Manufacturer's of: Flange Elbow Reducer and All Pipe Fittings Items

REQUESTS TO BUSINESS ALLIANCES

Dear Sir,

Our Company **KAVIRAJ METAL INDUSTRIES** was established in the year 2015 and is primarily engaged in Stockiest & Suppliers, Importers & Exporters of Stainless Steel, Alloy Steel, Carbon Steel, Pipes & Tubes, Sheet, Plates, Bars and Largest manufacturer of Pipe fittings.

As per National & International Standard like ASTM, BS, IS, DIN, ASME, ANSI, MSS Etc. Over a decade of progress have consistently made us realize that more than products, it is understanding the client's requirement and giving maximum services to the customer is what makes us stand apart from others.

PIPES & TUBES

Size	: 1" NB TO 36"NB
Thickness	: SCH 10 TO SCH .XXS
Carbon Steel Grade	: ASTM A 106 GR.B
Stainless Steel Grade	: ASTM A 312 TP 304, 304L, 316, 316L, 316H, 321, 347H, 310, 310S, 904L
Alloy Steel Grade	: ASTM A 335 GR. P5, P11, P12, P22, P91/ ASTM A 213 GR.T11, T12,T22, T91

PIPE FITTINGS & FLANGES

Size	: 1" NB TO 36"NB.
Thickness	: SCH 10 TO SCH XXS.
Stainless Steel Grade	: ASTM A 403, ASTM A182 304, 304L, 316, 316L, 316H, 321, 347H, 310, 310S, 904L.
Carbon Steel Grade	: ASTM A 234 GR.WPB, A105.
Alloy Steel Grade	: ASTM A234 GR.WP P5, P11, P12, P22, P91.

SHEET, PLATE & COIL

Thickness	: 1 MM TO 100 MM.
Size	: 1000 / 1250 / 1500MM X 2000 / 2500 / 5000 / 6000 MM LENGTH. / COIL.
Stainless Steel Grade	: ASTM 240 TP 304, 304L, 316, 316L, 316H, 321, 347H, 310, 310S, 904L.
Alloy Steel Grade	: P5, P11, P12, P22, P91..

Each of our department's right from procurement, production, inventory, market, sales and services are fully atomized for a better supply chain management, so as to offer the best product quality and prompt service to our clients. Along with technological equipment, manpower is also given special attention. All our professionals are highly dedicated and committed to their client's requirements.

Our team of workers starves to provide quality service to you according to your specification. Over the years we have supplied & export to Many Industries in Prestigious Projects, Maintenance & In Shutdown, in Industries like * Chemical * Petrochemical * Refineries * Fertilizers * Power Plant * Nuclear Power * Oil & Gas * font Paper * Breweries * Cement * Sugar * Oil Mills * Mining * Construction * Shipbuilding * Steel Plant * Offshore * Defense * Ports * Railways * Engineering Co. * Government Org.

We are registered as approved Vendors with many reputed organizations such as L&T, GDC, NRL, BARC, BHEL, NPC, IFFCO, KRIBCO, MSEB, BHPVL, GACL, and KCIL Etc. Under Third Party Inspection ICB, DNV, Baxcounsel, BV, IQC, NPCL, BHEL, Uhde, L&T, BARC, Alstom Etc.

We value from a single piece of requirement to large turnkey projects to give 'MAXIMUM' service to all.

Material can supplied & Exports with Manufacturers Test Certificate / Laboratory Test Certificate from Government Approved Laboratory & with IBR Test Certificate under Third Party Inspection.

Testing Facilities available from Laboratory like * Chemical * Mechanical & Physical * Micro * Macro * IGC * (Pr. A, B, C, E) NACE * Ultra * Hardness * Impact * Hydrostatic * Flattening * Heat Treatment * Bends Test * X-Ray * Spectro & Other Miscellaneous Test.

Priority and Special Attention is given for urgent requirement to delivery the material.

We invite International Manufacturers / Dealers for Liaison work in Indian Market and Indenting work for Indian Company in International Market.

We will highly appreciate if you kindly register our name in your approved vendors list and favour us your enquiries as and when requirement arise.

We will highly obliged if you kindly favour us with your Trial Order

Thanking You and Looking Forward For Your Earliest Favorable Reply

Yours faithfully,

For

(Sales Department)





KAVIRAJ METAL INDUSTRIES

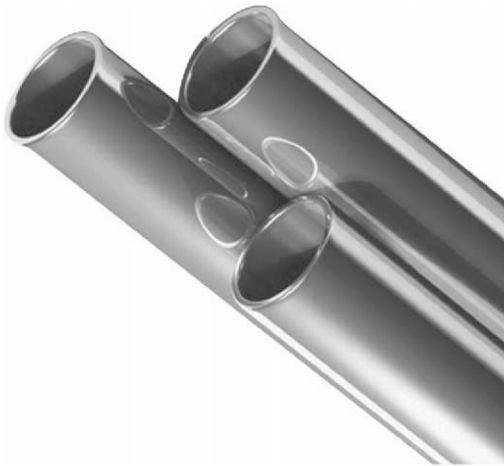
Importers and supplier's of: Stainless Steel, Alloy Steel, Nickel Alloy, Monel Inconel, Titanium, Duplex and Super Duplex

Manufacturer's of: Flange Elbow Reducer and All Pipe Fittings Items

ISO 9001:2015

PRODUCT RANGE

Pipes & Tubes



Stainless Steel : ASTM A312 TP 304 / 304L / 304H / 316 / 316L / 317 / 317L / 321 / 31 / 347 / 904 L etc.

Carbon Steel : ASTM A53 GR. B / A 106 GR. B / API 5L GRADE B / API 5L GR. X42 / 46 / 52 / 56 / 60 / 65 / 70 / A333 GR. 3 / GR. 6 etc.

Others : Monel, Nickel, Inconel, Hastelloy, Duplex and Super Duplex Steel, Titanium, Copper, Brass, Bronze, Bismuth, Aluminium, M.S., C.S. High Speed Steel, Zinc, Lead etc.

Alloy Steel : ASTM A 335 GR. P1 / P5 / P9 / P11 / P22 / P91 etc.

Types : Round, Square, Rectangular, Capillary Tubes in Straight, Coil Form

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

Wall Thickness : Sch. 5S to Sch. XXS

Size of Tubes : From 0.5mm OD

Wall Thickness : From 0.2 mm

Butt Weld Fittings



Stainless Steel : ASTM A 403, WP 304 / 304 L / 304H / 316 / 316L / 317 / 317L / 321 / 310 / 347 / 904L etc.

Carbon Steel : ASTM A234 WPB / A420 WPL3 / A420 WPL6 / MSS-SP-75 WPHY 42 / 46 / 52 / 56 / 60 / 65 / 70

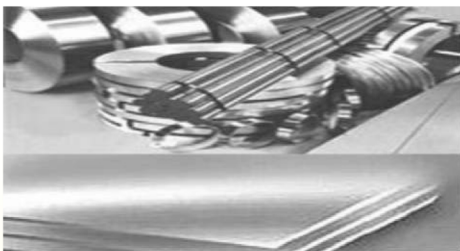
Others : Monel, Nickel, Inconel, Hastelloy, Duplex and Super Duplex Steel, Titanium, Copper, Brass, Bronze, Tantalum, Bismuth, Aluminium, M.S., C.S., High Speed Steel, Zinc, Lead, etc.

Alloy Steel : ASTM A234 WP1 / WP5 / WP / WP11 / WP22 / WP91 etc.

Types : Elbow, Tee, Reducer, Return Bends, Stub-Ends, Cap, Collar, Cross, Insert etc.

Size : 1/4" NB to 48" NB (Seamless & Welded)

Wall Thickness : Sch. 5S to Sch. XXS



Sheets, Plates, Coils & Rods

Material Grade : Stainless Steel Monel, Nickel, Inconel, Hastelloy, Duplex and Super Duplex Steel, Titanium, Carbon Steel, Alloy Steel, Brass, Bronze, Tantalum, Bismuth, Aluminium, M.S., C.S., High Speed Steel, Zinc, Lead, Ferrous & Non-Ferrous Metals,

Type : Sheet, Plates, Coils, Strips, Round Bars, Square Bars, Hex Bars Etc.

**We are known for our quality products and excellent service,
quality standards which are as per accepted
International Standard**



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Manufacturer's of: Flange Elbow Reducer and All Pipe Fittings Items

ISO 9001:2015



Screwed & Forged Fittings :

Stainless Steel : ASTM A 182 F304 / 304L / 304H / 316 / 316L / 317 / 317L / 321 / 310 / 347 / 904L etc.

Carbon Steel : ASTM A 105 / A694 F 42 / 46 / 52 / 56 / 60 / 65 / 70 / A350 / LF3 / A350 LF2

Others : Monel, Nickel, Inconel, Hastelloy, Duplex and Super Duplex Steel, Titanium, Brass, Bronze, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.

Alloy Steel : ASTM A 182 F1 / F5 / F9 / F11 / F22 / F91 etc.

Types : Elbow, Tee, Union, Cross, Coupling, Cap, Bushing, Plug, Swage Nipple, Welding Boss, Hexagon Nipple, Barrel Nipple, Weld Nipple, Parallel Nipple, Street Elbow, Hexagon Nut, Hose Nipple, Bend, Adapter Insert, Weldolet, Elbowlet, Sockolet, Thredolet, Letrolet etc.

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

Class : 3000 #, 6000#, 9000#



Flanges :

Stainless Steel : ASTM A 182, F304 / 304L / 304H / 316 / 316L / 317 / 317L / 321 / 310 / 347 / 904L etc.

Carbon Steel : ASTM A 105 / A694 F42 / 46 / 52 / 56 / 60 / 65 / 70 / A350 / LF3 / A350 LF2 etc.

Others : Monel, Nickel, Inconel, Hastelloy, Duplex and Super Duplex Steel, Titanium, Copper, Brass, Bronze, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.

Alloy Steel : ASTM A 182 F1 / F5 / F9 / F11 / F22 / F91 etc.

Types : Weldneck Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, etc.

Size : 1/2" NB to 60" NB

Class : 150#, 300#, 400#, 600#, 900#, 1500#, 2500#



Fasteners

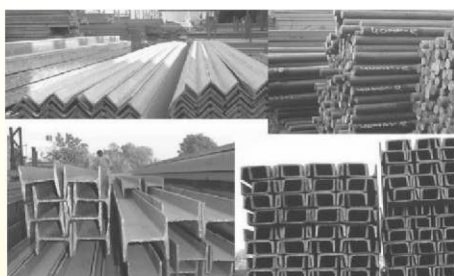
Stainless Steel : AISI 302, 304, 304L, 316, 316L, 310, 317, 317L, 321, 347, 410, 420, 904L etc.

Others : Monel, Nickel, Inconel, Hastelloy, Duplex and Super Duplex Steel, Titanium, Copper, Nichrome, Phosphorous, Brass, Bronze, Tantalum, Bismuth, Aluminium, High Speed Steel, Zinc, Lead etc.

Alloy Steel : 4.6, 5.6, 6.6, 8.8, 10.9, 12.9, B7, B7M, 2H, "R", "S", "T" Conditions.

Carbon Steel : Bare Condition, Galvanized, Phosphetised, Cadum, Hot Deep Galvanized, Bloodied, Nickel, Chrome Plated, etc.

Types : Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Screw, Fine Fasteners & Spares, Foundation, Fasteners etc.



Other Products

Angles, Channels, Wires, Tube Fittings, Beams, Circles, Rings



KAVIRAJ METAL INDUSTRIES

Importers and supplier's of: Stainless Steel, Alloy Steel, Nickel Alloy,
Monel Inconel, Titanium, Duplex and Super Duplex

Manufacturer's of: Flange Elbow Reducer and All Pipe Fittings Items

ISO 9001:2015

SUMMARY OF THE MAIN ASTM STANDARDS GENERALLY USED FOR PIPING

ASTM	Grade	CHEMICAL REQUIREMENTS PERCENT (%)										MECHANICAL REQUIREMENTS			
		C max.	Mn max.	P max.	S max.	Si max.	Ni	Cr	Mo	Cu	Others	Tensile Strength mini-Mpa/Psi	Yield Strength mini-Mpa/Psi	Elong mini %	Impact test at C F
A53	Types A	0.25	0.95	0.05	0.06		0.40 max	0.40 max	0.15 max	0.40 max	0.08 max	330-48000	205-30000	36	
	B	0.30	1.20	0.05	0.06		0.40 max	0.40 max	0.15 max	0.40 max	0.08 max	415-60000	240-35000	29.5	
A 106	A	0.25	0.27-0.93	0.035	0.025	0.10mini	0.40 max	0.40 max	0.15 max	0.40 max	0.08 max	330-48000	205-30000	L35-T25	
	B	0.30	0.29-1.06	0.035	0.025	0.10mini	0.40 max	0.40 max	0.15 max	0.40 max	0.08 max	415-60000	240-35000	L30-T16.5	
	C	0.35	0.29-1.06	0.035	0.025	1.10mini	0.40 max	0.40 max	0.15 max	0.40 max	0.08 max	485-70000	275-40000	L30-T16.5	
A 312	TP 304	0.08	2.00	0.040	0.030	0.75	8.00-11.0	18.0-20.0				515-75000	205-30000	L35-T25	
	TP 304L	0.035	2.00	0.040	0.030	0.75	8.00-11.0	18.0-20.0				485-70000	170-25000	L35-T25	
	TP 310S	0.08	2.00	0.045	0.030	0.75	19.0-22.0	24.0-26.0	0.75 max			515-75000	205-30000	L35-T25	
	TP 316	0.08	2.00	0.040	0.030	0.75	11.0-14.0	16.0-18.0	2.00-3.00			515-75000	205-30000	L35-T25	
	TP 316L	0.035	2.00	0.040	0.030	0.75	10.0-15.0	16.0-18.0	2.00-3.00			485-70000	170-25000	L35-T25	
	TP 317L	0.035	2.00	0.040	0.030	0.75	11.0-15.0	18.0-20.0	3.00-4.00			515-75000	205-30000	L35-T25	
	TP 321	0.08	2.00	0.040	0.030	0.75	9.00-13.0	17.0-20.0			5x0% < Ti < 0.70 10xC% < Nb + Ta < 1.10	515-75000	205-30000	L35-T25	
	TP 347	0.08	2.00	0.040	0.030	0.75	9.00-13.0	17.0-20.0				515-75000	205-30000	L35-T25	
A 333	3	0.19	0.31-0.64	0.025	0.025	0.18-0.37	3.18-3.82					450-65000	240-35000	L30-T20	-100 -150
	4	0.12	0.50-1.05	0.025	0.025	0.18-0.37	0.47-0.98	0.44-1.01		0.40-0.75	Al:0.04-0.30%	415-60000	240-35000	L30-T16.5	-100 -150
	6	0.30	0.29-1.06	0.025	0.025	0.10 mini						415-60000	240-35000	L30-T16.5	-45 -50
	7	0.19	0.90	0.025	0.025	0.13-0.32	2.03-2.57					450-65000	240-35000	L30-T22	-75 -100
	8	0.13	0.90	0.025	0.025	0.13-0.32	8.40-9.60					690-100000	515-75000	L22	-195 -320
	9	0.20	0.40-1.06	0.025	0.025		1.60-2.24			0.75-1.25		435-63000	315-46000	L28	-75 -100
	P1	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50			0.44-0.65			380-55000	205-30000	L30-T20	
A 335	P2	0.10-0.20	0.30-0.61	0.025	0.025	0.10-0.30		0.50-0.81	0.44-0.65			380-55000	205-30000	L30-T20	
	P5	0.15	0.30-0.60	0.025	0.025	0.50		4.00-6.00	0.45-0.65			415-60000	205-30000	L30-T20	
	P9	0.15	0.30-0.60	0.025	0.025	0.25-1.00		8.00-10.0	0.90-1.10			415-60000	205-30000	L30-T20	
	P11	0.15	0.30-0.60	0.025	0.025	0.50-1.00		1.00-1.50	0.44-0.65			415-60000	205-30000	L30-T20	
	P12	0.15	0.30-0.61	0.025	0.025	0.50		0.80-1.25	0.44-0.65			415-60000	205-30000	L30-T20	
	P15	0.05-0.15	0.30-0.60	0.025	0.025	1.15-1.65		2.65-3.35	0.44-0.65			415-60000	205-30000	L30-T20	
	P21	0.15	0.30-0.60	0.025	0.025	0.50		1.90-2.60	0.80-1.06			415-60000	205-30000	L30-T20	
	P22	0.15	0.30-0.60	0.025	0.025	0.50		1.90-2.60	0.87-1.13			415-60000	205-30000	L30-T20	
	P91	0.08-0.12	0.30-0.60	0.020	0.010	0.20-0.50	0.04 max	8.00-9.50	0.85-1.05		NO.30-0.70%Al,0.04%max/0.06-0.10 0.18-0.25	585-85000	415-65000	L20	
	TP 304	0.08	2.00	0.045	0.030	0.75	8.0-10.50	18.0-20.0	----			Class 1 : Double welded pipes & full Radiography			
	TP 310S	0.08	2.00	0.045	0.030	0.75	19.0-22.0	24.0-26.0	----			Class 2 : Double welded no Radiography			
	TP 316	0.08	2.00	0.045	0.030	0.75	10.0-14.0	16.0-18.0	2.0-3.0			Class 3 : Single welded full Radiography			
A 358	TP 316L	0.035	2.00	0.045	0.030	0.75	10.0-14.0	16.0-18.0	2.0-3.0			Class 4 : Single welded full Radiographyroot pass without addition of filler metal			
	TP 317L	0.035	2.00	0.045	0.030	0.75	11.0-15.0	18.0-20.0	3.0-4.0			Class 5 : Double Welded spot Radiography			
	TP 321	0.08	2.00	0.045	0.030	0.75	9.0-12.0	17.0-19.0	----		5x0% < Ti < 0.70 10xC% < Nb + Ta < 1.10				
	TP 347	0.08	2.00	0.045	0.030	0.75	9.0-12.0	17.0-19.0	----						



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SUMMARY OF THE MAIN ASTM STANDARDS GENERALLY USED FOR SHEETS / PLATES

ASTM	Grade	Chemical requirements percent (%)										Mechanical requirements				
		C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Others	Tensile Strength mini-Mpa (Ksi)	Yield Strength mini-MPa (Ksi)	Elong mini %	Hardness Brinell	Rockwell
A 240	304	0.08	2.00	0.045	0.030	0.75	8.00-10.5	18.0-20.0				515-75	205-30	40	202	92
	304L	0.030	2.00	0.045	0.030	0.75	8.00-12.0	18.0-20.0				485-70	170-25	40	183	88
	310S	0.08	2.00	0.045	0.030	0.75	19.00-22.0	24.0-26.0				515-75	205-30	40	217	95
	316	0.08	2.00	0.045	0.030	0.75	10.00-14.0	16.0-18.0	2.00-3.00			515-75	205-30	40	217	95
	316L	0.030	2.00	0.045	0.030	0.75	10.00-14.0	16.0-18.0	2.00-3.00			485-70	170-25	40	217	95
	317	0.030	2.00	0.045	0.030	0.75	11.00-15.0	18.0-20.0	3.00-4.00			485-70	170-25	40	217	95
	321	0.08	2.00	0.045	0.030	0.75	9.00-12.0	17.0-19.0			5(C+N) < 0.70% 10c < cB + A < 1.10% 6xC / 0.75 Ti max	515-75	205-30	40	217	95
	347	0.08	2.00	0.045	0.030	0.75	9.00-13.0	17.0-19.0				515-75	205-30	40	183	92
	409	0.08	1.00	0.040	0.030	1.00	10.5-11.75					448-65	241-35	25	-	75
	2	0.05-0.21	0.55-0.80	0.035	0.040	0.15-0.40	0.50-0.80	0.45-0.60				Class 1	Class 2	Class 2	max201HB max92HRB	
A 387 Class1 Class2	5	0.15	0.30-0.60	0.04	0.030	0.50	4.00-6.00	0.45-0.65				380-550	486-620	230	310	max202HB max92HRB
	7	0.15	0.30-0.60	0.030	0.030	1.00	6.00-8.00	0.45-0.65				415-585	515-690	205	310	max217HB max95HRB
	9	0.15	0.30-0.60	0.030	0.030	1.00	8.00-10.0	0.90-1.10				415-585	515-690	205	310	max217HB max95HRB
	11	0.04-0.17	0.40-0.65	0.035	0.040	0.50-0.80	1.00-1.50	0.45-0.65				415-585	515-690	240	310	max217HB max95HRB
	12	0.04-0.17	0.40-0.65	0.035	0.040	0.15-0.40	0.80-1.15	0.45-0.60				380-550	450-585	230	275	max217HB max95HRB
	21	0.04-0.17	0.30-0.60	0.035	0.035	0.50	2.75-3.25	0.90-1.10				415-585	515-690	205	310	max201HB max92HRB
	22	0.05-0.17	0.30-0.60	0.035	0.035	0.50	2.00-2.50	0.90-1.10				415-585	515-690	310	310	max201HB max92HRB
	55	0.22	0.90	0.035	0.04	0.15-0.40						380-515/55-75	205-30	27		
	60	0.27	0.90	0.035	0.04	0.15-0.40						415-550/60-80	220-32	25		
	65	0.31	0.90	0.035	0.04	0.15-0.40						450-585/65-85	240-35	23		
A 515	70	0.33	1.20	0.035	0.04	0.15-0.40						485-620/70-90	260-38	21		
	55	0.20	0.60-1.20	0.035	0.04	0.15-0.40						380-515/55-75	205-30	27		
	60	0.23	0.85-1.20	0.035	0.04	0.15-0.40						415-550/60-80	220-32	25		
	65	0.26	0.85-1.20	0.035	0.04	0.15-0.40						450-585/65-85	240-35	23		
A 516	70	0.28	0.85-1.20	0.035	0.04	0.15-0.40						485-620/70-90	260-38	21		
	Class 1	0.24	0.70-1.35	0.035	0.040	0.15-0.40	0.25max	0.80max	0.35max			485-620/70-90	345-50	22		
A 537	Class 2	0.24	0.70-1.35	0.035	0.040	0.15-0.40	0.25max	0.80max	0.35max			550-690/80-100	415-60	22		

IS - 2002 - 62 STEEL PLATES FOR BOILERS

Grade	Designation	Chemical Composition				Tensile Test				Elongation			
		C	Mn	P	S	Si	P	S	Tensile strength Mpa	Yield Strength Mpa	Test Piece	% min	% min
A	FE410WA	0.23	1.5	0.050	0.050	-	0.42	41.8	250	230	23	26	26
	FE410WB	0.22	1.5	0.045	0.045	0.40	0.41	41.8	250	230	23	30	30
B	FE410WB	0.22	1.5	0.045	0.045	0.40	0.41	41.8	250	230	23	25	25
	FE410WC	0.20	1.5	0.040	0.040	0.40	0.39	41.8	250	230	23	29	29
C	FE410WC	0.20	1.5	0.040	0.040	0.40	0.39	41.8	250	230	23	20	20
	FE410WD	0.20	1.5	0.040	0.040	0.40	0.39	41.8	250	230	23	24	24

IS - 2062 - 92 STEEL FOR GENERAL STRUCTURAL PURPOSES

Grade	Designation	Chemical Composition				Tensile strength (Min) Kg/mm ²	Yield strength (Min) Mpa	Bend test	Std test Piece Charpy V Notch Impact Energy Joule min
		C	Mn	P	S				
A	FE410WA	0.23	1.5	0.050	0.050	41.8	250	23	27
	FE410WB	0.22	1.5	0.045	0.045	41.8	250	23	27
B	FE410WB	0.22	1.5	0.045	0.045	41.8	250	23	27
	FE410WC	0.20	1.5	0.040	0.040	41.8	250	23	27
C	FE410WC	0.20	1.5	0.040	0.040	41.8	250	23	27
	FE410WD	0.20	1.5	0.040	0.040	41.8	250	23	27

Formula - Weight of Stainless Steel Sheets / Plates = Length (mm) x Width (mm) x Thickness (mm) x 7.86 = Kg./ Sheet.



KAVIRAJ METAL INDUSTRIES

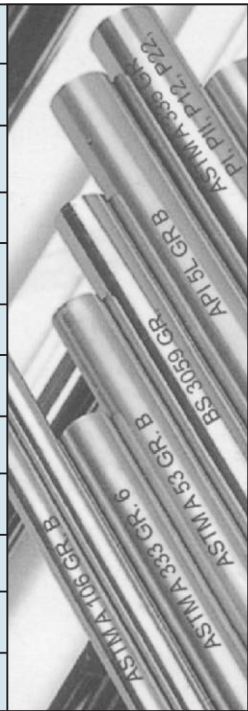
Importers and supplier's of: Stainless Steel, Alloy Steel, Nickel Alloy,
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ISO 9001:2015

Manufacturer's of: Flange Elbow Reducer and All Pipe Fittings Items

ANSI B 36.10 Carbon Steel, Seamless Pipe Weight Per Kg/mtr.

Nominal Pipe size	O/D	Schedule 10	Schedule 20	Schedule 30	Schedule STD	Schedule 40	Schedule 60	Schedule Extra Strong (XS)	Schedule 80	Schedule 100	Schedule 120	Schedule 140	Schedule 160	Schedule Double Extra Strong
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
3	10.3	-	-	-	1.73	0.37	-	0.47	2.41	-	-	-	-	-
6	13.7	-	-	-	2.24	0.63	-	0.80	3.02	-	-	-	-	-
10	17.1	-	-	-	2.31	0.84	-	1.10	3.20	-	-	-	-	-
15	21.3	-	-	-	2.77	1.27	-	1.62	3.73	-	-	-	-	-
20	26.7	-	-	-	2.87	1.69	-	2.20	3.91	-	-	-	-	-
25	33.4	-	-	-	3.38	2.50	-	3.24	4.55	-	-	-	-	-
32	42.2	-	-	-	3.56	3.39	-	4.47	4.85	-	-	-	-	-
40	48.3	-	-	-	3.68	4.05	-	5.08	5.41	-	-	-	-	-
50	60.3	-	-	-	3.91	5.44	-	5.54	7.48	-	-	-	-	-
65	73.0	-	-	-	5.16	8.63	-	7.01	11.41	-	-	-	-	-
80	88.9	-	-	-	5.49	11.3	-	7.62	15.3	-	-	-	-	-
90	101.6	-	-	-	5.74	13.57	-	8.08	18.63	-	-	-	-	-
100	114.3	-	-	-	6.02	16.07	-	8.56	22.3	-	-	-	-	-
125	141.3	-	-	-	6.55	21.77	-	9.53	30.9	-	-	-	-	-
150	168.3	-	-	-	7.11	28.26	-	10.97	42.5	-	-	-	-	-
200	219.1	-	-	-	8.18	42.5	-	12.7	64.6	-	-	-	-	-
250	273.0	-	-	-	9.27	60.3	-	12.7	81.5	-	-	-	-	-
300	323.8	-	-	-	9.53	73.8	-	12.7	97.4	-	-	-	-	-
350	355.6	-	-	-	9.53	81.3	-	12.7	107.0	-	-	-	-	-
400	406.4	-	-	-	9.53	93.3	-	12.7	123.0	-	-	-	-	-
450	457.2	-	-	-	9.53	105.0	-	12.7	139.0	-	-	-	-	-
500	508.0	-	-	-	9.53	117.2	-	12.7	155.1	-	-	-	-	-
550	558.8	-	-	-	9.53	129.0	-	12.7	171.0	-	-	-	-	-
600	610.0	-	-	-	9.53	141.0	-	12.7	187.0	-	-	-	-	-
650	660.0	-	-	-	9.53	153.0	-	12.7	202	-	-	-	-	-
700	711.0	-	-	-	9.53	165.0	-	12.7	218	-	-	-	-	-
750	762.0	-	-	-	9.53	176.0	-	12.7	235	-	-	-	-	-
800	812.8	-	-	-	9.53	188.2	-	12.7	251	-	-	-	-	-
850	863.6	-	-	-	9.53	200.0	-	12.7	266	-	-	-	-	-
900	914.4	-	-	-	9.53	212.0	-	12.7	282	-	-	-	-	-



We also supply pipes A 335 P 5, A 106 Gr B, API - 5L - GrB, A 333 Gr 6

Formula - Pipe Weight Kg/Mtr. (OD - Thick x Thick x 0.02466 = Kg Per Mtr.)

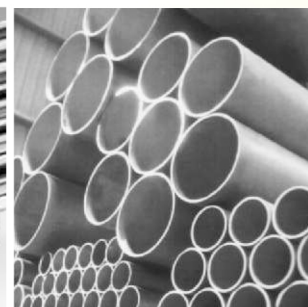
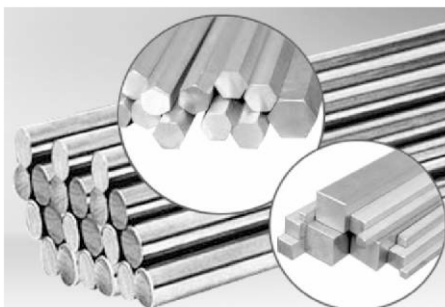


KAVIRAJ METAL INDUSTRIES

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ISO 9001:2015

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NICKEL BASE ALLOY

NOMINAL CHEMICAL COMPOSITION, % (not for Specification purposes)

	NI		C Mn	Fe	S	SI	Cu	Cr	Co	Mo	Al	TI	Other
Nickel 200	99.5	0.08	0.18	0.2	0.005	0.18	0.13	-	-	-	-	-	-
Nickel 201	99.5	0.01	0.18	0.2	0.005	0.18	0.13	-	-	-	-	-	-
Nickel 205	99.5	0.080	0.18	0.10	0.004	0.08	0.08	-	-	-	-	0.03	Mg 0.05
Nickel 212	99.7	0.10	2.0	0.05	0.005	0.05	0.03	-	-	-	-	-	-
Nickel 222	99.5	0.01	0.02	0.04	0.0025	0.01	0.01	0.01	0.06	-	0.01	0.01	Mg 0.08
Nickel 270	99.98	0.01	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	Mg<0.001
MONEL alloy 400	63.0 mn	0.15	1.0	2.5 max	0.05 max	0.05 max	31.0	-	-	-	-	-	-
MONEL k alloy-500	63.0 mn	0.15	1.5 max	2.0 max	0.5	0.5	30.0	-	-	-	2.9	0.6	-
Cast MONEL alloy Pig (Grade O)	63.0 mn	0.07	0.73	2.5 max	0.04 max	0.04 max	30.0	-	-0.20 max	-0.20 max	0.05 max	0.01 max	-
Cast MONEL alloy Pig (Oxidised)	63.0 mn	0.03 max	0.20 max	0.20 max	0.02 max	0.04 max	30.0	-	-0.20 max	0.20 max	0.05 max	0.01 max	-
INCONEL alloy 625	72.0 min	0.15 max	1.0 max	1.0 max	0.015max	0.05 max	0.5 max	-	-	-	-	-	Nb + Ta
INCONEL alloy 626	6.5	0.10 max	0.25	0.25	0.015max	0.5 max	-	-	9.0	9.0	0.25	0.25	3.65
INCOLOY alloy 800	32.5	0.10 max	1.5 max	1.5 max	0.015max	1.0 max	0.75 max	-	-	-	0.38	0.38	-
INCOLOY alloy 825	42.0	0.05 max	1.0 max	1.0 max	0.03 max	0.5 max	2.25	-	3.0	3.0	0.20 max	0.9	-
INCOLOY alloy 904	32.5	0.025	0.025	0.025	0.015	0.25	0.25	14.5	-	-	0.1	1.6	-
INCOLOY alloy DS	37.0	1.2	1.2	1.2	-	2.3 max	2.3 max	-	-	-	-	0.20	-
Hastelloy B	Rest/Bal	0.10	0.80	0.80	0.7	-	0.6	28	-	-	-	-	-
Hastelloy C	Rest/Bal	0.07	0.80	0.80	0.7	-	16.0	17	-	-	-	-	-
Hastelloy G	Rest/Bal	0.05	1.0-2.0	1.0-2.0	0.7	-	1.5	5.575	-	-	-	-	-
Alloy	-	-	-	-	-	-	21-23.5	-	-	-	-	-	-

PHYSICAL & MECHANICAL PROPERTIES

	Density Kg/mm ²	Melting Rate C	Specific Heat at 20°C J/Kg C	Terminal Conductivity at 20°C	Terminal Expansion 10-c/C	Electrical resistivity at 20°C	Tensile Strength N/mm ²	Hardness HV
Nickel 200	8.89	1435-1445	456	74.9	13.3	9.5	380-550	90-120
Nickel 201	8.89	1435-1445	456	79.2	13.3	7.6	340-420	75-100
Nickel 205	8.89	1435-1445	456	74.9	13.3	9.5	340	77
Nickel 212	8.89	1435-1445	430	44.1	--	10.9	476	144
Nickel 222	8.89	1435-1445	456	74.9	13.3	8.8	340	77
Nickel 270	8.89	1435-1445	460	85.7	13.3	7.5	340	80
MONEL alloy 400	8.83	1300-1350	419	21.7	14.1	51.0	480-620	111-151
MONEL alloy-K500	8.46	1300-1350	419	17.4	13.7	61.4	620-760	141-189
INCONEL alloy 600	8.42	1370-1425	461	14.8	13.3	103	550-690	121-173
INCONEL alloy 625	8.44	1290-1350	410	9.8	12.8	129	830-1040	146-247
INCOLOY alloy 800	7.95	1355-1385	502	11.1	14.2	99	520-700	121-180
INCOLOY alloy 825	8.24	1370-1400	441	10.9	14.0	113	590-730	121-183
INCOLOY alloy 904	8.12	--	442	14.9	4.6	72	923	--
INCOLOY alloy DS	7.92	1330-1400	452	12.0	14.1	108	680	208



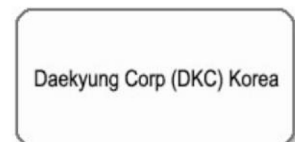
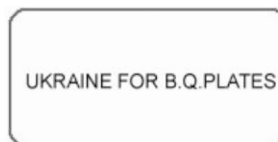
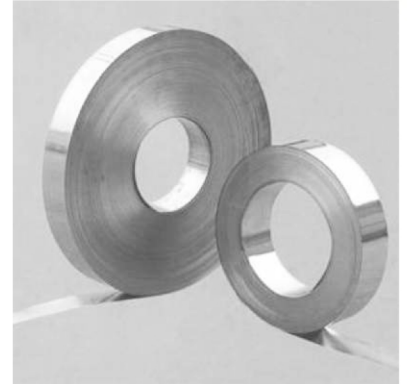
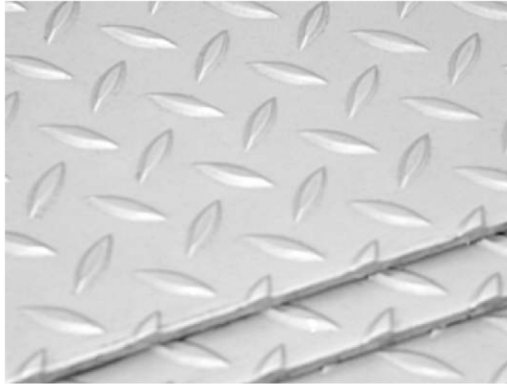
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ISO 9001:2015

Sheets, Plates & Coils



We are specialized in Sheets in Grade of 304, 304L, 310, 310S, 316, 316L, 316Ti
Imported & JSL Make

STAINLESS & DUPLEX STEEL

RANGE : 0.3 MM TO 100 MM THK IN 1000 MM TO 3000 MM WIDTH x 2500 MM / 5000 MM / 10000 MM / COIL.

Stainless Steel : ASTM / ASME SA 240 304 , 304L , 304H, 309S , 309H, 310S , 310H , 316 , 316H , 316L , 316 TI , 317 , 317L , 321H , 347 , 347 H , 409 , 410 , 410S , 430

Duplex Steel : ASTM / ASME SA 240 UNS NO. S 31803 , S 32205 , S 32550 , S 32750 , S 32760.

Carbon Steel : ASTM / ASME A 516 / 517 GR. 60 / 70 , IS 2062 , IS 2002

Alloy Steel : ASTM / ASME A 387 GR F 5, F 9 , F 11 , F 12 , F 22 , F 91.

Nickel Alloy : ASTM / ASME SB 162 UNS 2200 (NICKEL 200) / UNS 2201 (NICKEL 201) ASTM / ASME SB 127UNS 4400 (MONEL 400) ASTM / ASME SB 424 UNS 8825 (INCONEL 825) ASTM / ASME SB 168UNS 6600 (INCONEL 600) / UNS 6601 (INCONEL 601) ASTM / ASME SB 443 UNS 6625 (INCONEL 625) ASTM / ASME SB 574 UNS 10276 (HASTELLOY C 276) ASTM / ASME SB 462 UNS 8020 (ALLOY 20 / 20 CB 3



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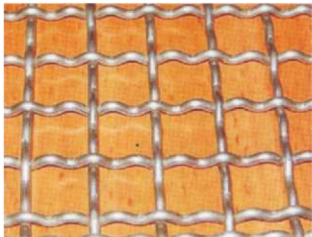


PERFORATED SHEETS

Manufactured in CRCA, M.S, G.I., SS-304, SS-316, Johnson screens etc. in required types-Square, Round Rectangular, Triangular Holes.

WIRE MESH FILTER CLOTH

Wire mesh filter cloth mainly refers to wire mesh products made with Dutch woven patterns. Nutech Metal is an expert in woven wire mesh, especially custom and special type wire mesh filter cloth Dutch woven.



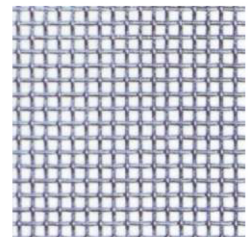
CRIMPED WIRE MESH

Heaviest upto 1" rod (25 mm) thick in Spring Steel, Stainless Steel, High Carbon, High Tensile, G.I., M.S. etc.



SQUARE SCREEN :

Manufactured in G.I., S.S., P.B., Brass, Copper as per ISS / BSS / ASTM / Tyler with finest microns and meshes, Dutched Twilled Weave also Available.

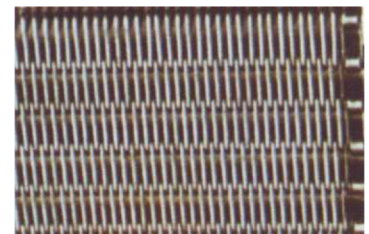


VIBRATING SCREENS

Manufactured with or without side panel in required sizes, aperture, dia with different metals such as Stainless Steel, High Carbon, High Tensils etc. available in cut sizes as per requirement.

FOOD CONVEYOR BELT

Manufactured in Spring Steel, G.I., S.S. etc. in required sizes. Special Conveyor for Dehydrating plants are also available.



Manufacturers of : Perforated Sheets (Jalli) Wire Mesh, Weld Mesh Main Wave, Vibrating Screens, Dehydration Screen, Square Mesh, Crimped Mesh, Chain Link Fencing Conveyor Belts, Demister Pad etc.

Size Range : Width upto 4.5 mtr. Length upto as your requirements.

Material : S. S., M. S., G.I., Nylon, Cloths, Aluminium, Copper, Brass, Monel, Inconel, Titanium, P.P., etc.



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FORMULA OF CALCULATING WEIGHT

1) Weight of S.S. Pipe

O.D. (mm) - W. Thick (mm) x W. Thick (mm) x 0.0248 = Wt. Per Mtr.
O.D. (mm) - W. Thick (mm) x W. Thick (mm) x 0.00756 = Wt. Per Feet.

2) Weight of S.S. Round Bar

DIA (mm) x DIA (mm) x 0.00623 = Wt. Per Mtr.
DIA (mm) x DIA (mm) x 0.0019 = Wt. Per Feet.

3) Weight of S.S. Square Bar

DIA (mm) x DIA (mm) x 0.00788 = Wt. Per Mtr.
DIA (mm) x DIA (mm) x 0.0024 = Wt. Per Feet.

4) Weight of S.S. Hexagonal Bar

DIA (mm) x DIA (mm) x 0.00680 = Wt. Per Mtr.
DIA (mm) x DIA (mm) x 0.002072 = Wt. Per Feet.

5) Weight of S.S. Flat Bar

Width (mm) x Thick (mm) x 0.00798 = Wt. Per Mtr.
Width (mm) x Thick (mm) x 0.00243 = Wt. Per Feet.

6) Weight of S.S. Sheets & Plates

Length (Mtrs) x Width (Mtrs) x Thick (mm) x 8 = Kg. Per Sheet
Length (Ft) x Width (Ft) x Thick (mm) x 3/4 = Kg. Per Sheet

7) Weight of S.S. Circle

DIA (mm) x DIA (mm) x Thick (mm) / 160 = Gms. Per PC
DIA (mm) x DIA (mm) x Thick (mm) x 0.0000063 = Kg. Per PC

8) Weight of Brass Pipe / Copper Pipe

O.D. (mm) - Thick (mm) x Thick (mm) x 0.0260 = Wt. Per Mtr.

9) Weight of Lead Pipe

O.D. (mm) - Wt. (mm) x Wt. (mm) x 0.0345 = Wt. Per. Mtr.

10) Weight of Aluminium Pipe

O.D. (mm) - Thick (mm) x Thick (mm) x 0.0083 = Wt. Per Mtr.

11) Weight of Aluminium Sheet

Length (Mtr.) x Width (Mtr.) x Thick (mm) x 2.69 = Wt. Per PC

12) Weight for Conversion of Mtr. To Feet

Weight of 1 Mtr. / 3.2808 = Feet

13) Formula for Calculating Width of Sheet for making Pipe

Outer DIA - Wall Thickness X 22/7 Width of Sheet

14) Formula For Healthy Business

Honesty + Quality of Goods + Quick Serve
+ Reasonable rate = Good Health of Business

APPLICATIONS

- ACID & CHEMICAL INDUSTRIES
- AUTOMOBILE INDUSTRIES
- BEVERAGE INDUSTRIES
- CEMENT INDUSTRIES
- ELECTRIC & ELECTRONIC INDUSTRIES
- FOOD INDUSTRIES
- OIL & GAS INDUSTRIES
- PAPER & PULP INDUSTRIES
- PHARMACY INDUSTRIES
- POWER PLANT
- REFINERY PLANTS
- SUGAR INDUSTRIES
- TEXTILE INDUSTRIES
- WATER PIPING SYSTEMS
- WIND POWER PLANT, ETC.



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KAVIRAJ METAL INDUSTRIES

World Class Products for...

World Class Industries...

COMPANY PROFILE

Company Name

KAVIRAJ METAL INDUSTRIES

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Director

Prakash Bhishnoi
Mob.: 99202 55499

Email ID

kavirajmetalind@gmail.com

Website

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Pan No.

BADPB4575P

GSTIN Registraion ID

27BADPB4575P1ZB

Bank Name

Kotak Mahindra Bank

Branch

Gol Deol Branch

A/C No.

1614317775

RTGS/NEFT/IFSC Code No.

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