

# M.A.INTERNATIONAL

HOUSE OF INDUSTRIAL PIPING SOLUTIONS.

**PIPES – FLANGES – PIPE FITTINGS – SHEETS – COILS – FASTENERS – VALVES – SOLIDS.**

**STAINLESS STEEL – CARBON STEEL – ALLOY STEEL – INCONEL – MONEL – HASTELLOY – TITANIUM - MOLYBENDUM**

[www.metalloyinternational.com](http://www.metalloyinternational.com)

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## About Us

**M.A.International** founded in 2013 is a highly acclaimed Importers, Exporters, Stockiest, & Suppliers of Ferrous & Non Ferrous Metal products in Stainless Steel, Alloy Steel, Carbon Steel, Titanium, Hastelloy, Nickel Alloy, Monel, Inconel, Incoloy, 17-4PH, 15-5PH, Nimonic, Nitronic, Duplex, Super Duplex, Cuppro-Nickel, Copper, Brass, Aluminium, Phosper-Bronze, Beryllium Copper, Beryllium Bronze, Aluminium Beryllium, Nickel Beryllium, Lead, Zinc, Gun Metal etc.

Within years the company has become a major player in Ferrous & Non Ferrous Metals Products. The Growth of the company has been remarkable. We are constantly monitoring the needs of our Customers to add a new product to our Portfolio as well as we want our customers to procure everything they need from **M.A.International**.



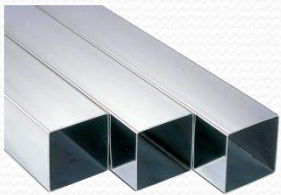
**M.A.International** - House of Industrial Piping Solutions.

Web: [www.metalloyinternational.com](http://www.metalloyinternational.com) , Email: [d.doshi@metalloyinternational.com](mailto:d.doshi@metalloyinternational.com)

Tel : +91-22-6635 3211 / 67496013 ; Contact Mr. Dhawal Doshi : +91-9773412578

# Products

1. Pipes & Tubes – Seamless, ERW, Welded, Fabricated etc.
2. Butt – Weld Pipe Fittings – Elbow, Tee, Reducer, Nipple, Cap, Cross etc.
3. Flanges – Blind, Slip On, Weld Neck, Threaded, Ring Joint, Lap Joint, Socket Weld etc.
4. Solids & Round Bars – Round Bars, Hex Bars, Flat Bars, Billets, Square Bars etc.
5. Sheets, Plates & Coils – 2B Finish, No 8 Finish, No 4 Finish, Hairline, Gold etc.
6. Fasteners – Bolts, Nuts, Washers, Allen Screw, Studs etc.
7. Compression Tube Fittings – Union, Connectors, Couplings, Ferrule etc.
8. Welding Electrodes – Filler Wires, Welding Electrodes, Welding Consumables etc.



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## **Pipes & Tubes:**

We offer Pipes & Tubes that are made from high quality raw material. Known for their excellent tensile & material strength, these Pipes & Tubes are in high demand by our clients spread across the globe. Moreover, we can offer them in various dimensional specifications as required by the clients Seamless & Welded Pipes & Tubes are supplied to international specifications to meet the requirement of Our Customers. This Pipes are available in forms of Round, Capsule, Square, Rectangular form etc.

### **SPECIFICATION OF PIPES & TUBES:**

Specifications : ASTM A312, A106, A333, A335, B622, B466 etc.

Outside Diameter : 6.00 mm OD up to 914.4 mm OD,

Sizes up to 24" NB available Ex-stock, OD Size Steel Tubes available Ex-stock

Thickness : 0.3mm – 50 mm, SCH 5, SCH10, SCH 40, SCH 80, SCH 80S, SCH 160, SCH XXS, SCH XS

Type : Seamless / ERW / Fabricated / CDW

Form: Round Pipes, Square Pipes, Rectangular Pipes.

Length : Single Random, Double Random & Required Length

### **Weight Calculator Formula:**

**Outer Diameter (MM) – Wall Thickness (MM) x Wall Thickness (MM) x 0.0248 = Wt/Mtr**



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## STAINLESS STEEL PIPE DIMENSION AS PER ASTM & WEIGHT-KG. PER MTR. (ANSI B36.19)

Nominal Bore		Outside Diameter	Sch-5S		Sch-10S		Sch-40S		Sch-80S		Sch-160S		Sch-XXS	
mm	INCH	mm	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)	Wt mm	Weight (Kg/mt)
3	1/8	10.3	1.24	0.276	1.24	0.28	1.73	0.37	2.41	0.47	-	-	-	-
6	1/4	13.7	1.24	0.390	1.65	0.49	2.24	0.631	3.02	0.80	-	-	-	-
10	3/8	17.1	1.24	0.490	1.65	0.63	2.31	0.845	3.20	1.10	-	-	-	-
15	1/2	21.3	1.65	0.800	2.11	1.00	2.77	1.27	3.75	1.62	4.75	1.94	7.47	2.55
20	3/4	26.7	1.65	1.03	2.11	1.28	2.87	1.68	3.91	2.20	5.54	2.89	7.82	3.63
25	1	33.4	1.65	1.30	2.77	2.09	3.38	2.50	4.55	3.24	6.35	4.24	9.09	5.45
32	1 1/4	42.2	1.65	1.65	2.77	2.70	3.56	3.38	4.85	4.47	6.35	5.61	9.70	7.77
40	1 1/2	48.3	1.65	1.91	2.77	3.11	3.68	4.05	5.08	5.41	7.14	7.25	10.18	9.54
50	2	60.3	1.65	2.40	2.77	3.93	3.91	5.44	5.54	7.48	8.74	11.1	11.07	13.44
65	2 1/2	73.0	2.11	3.69	3.05	5.26	5.16	8.63	7.01	11.4	9.53	14.9	14.2	20.39
80	3	88.9	2.11	4.51	3.05	6.45	5.49	11.30	7.62	15.2	11.1	21.3	15.24	27.65
100	4	114.3	2.11	5.84	3.05	8.36	6.02	16.07	8.56	22.3	13.49	33.54	17.12	41.03
125	5	141.3	2.77	9.47	3.40	11.57	6.55	21.8	9.53	31.97	15.88	49.11	19.05	57.43
150	6	168.3	2.77	11.32	3.40	13.84	7.11	28.3	10.97	42.7	18.2	67.56	21.95	79.22
200	8	219.1	2.77	14.79	3.76	19.96	8.18	42.6	12.7	64.6	23.0	111.2	22.23	107.8
250	10	273.1	3.40	22.63	4.19	27.78	9.27	60.5	12.7	96.0	28.6	172.4	25.40	155.15
300	12	323.9	3.96	31.25	4.57	36.00	9.52	73.88	12.7	132.0	33.32	238.76	25.40	166.97
350	14	355.6	3.96	34.36	4.78	41.3	11.13	94.59	19.05	158.08	35.71	261.70	-	-
400	16	408.4	4.19	41.56	4.78	47.29	12.7	123.30	21.41	203.33	40.46	365.11	-	-
450	18	457.2	4.19	46.80	4.78	53.42	14.27	155.80	23.8	254.36	45.71	466.40	-	-
500	20	508.0	4.78	59.25	5.54	68.71	15.09	183.42	26.19	311.2	49.99	564.68	-	-
600	24	609.6	5.54	82.47	6.35	94.45	17.48	255.41	30.96	442.08	59.54	808.22	-	-

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## **Butt-Weld Pipe Fittings:**

**M.A.International** is a leading Butt-welded Fitting Manufacturer Supplier and Dealer in India. We provide all types of Butt-welded Fittings such as **Elbow, Tee, Cross, Bend, Coupling, Stub Ends - Lap Joints, Nipples, Reducers, Couplings** that are available in different grades. M.A.International is a manufacturer of pipe fitting and butt-welded pipe fitting in all grades with high quality raw materials.

### **SPECIFICATION OF BUTT-WELD PIPE FITTINGS:**

Specifications : ASTM A403, A234, B363, A815, B366 etc.

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

Size : 1/8" NB TO 48" NB. (Seamless & 100% X-Ray Welded, Fabricated)

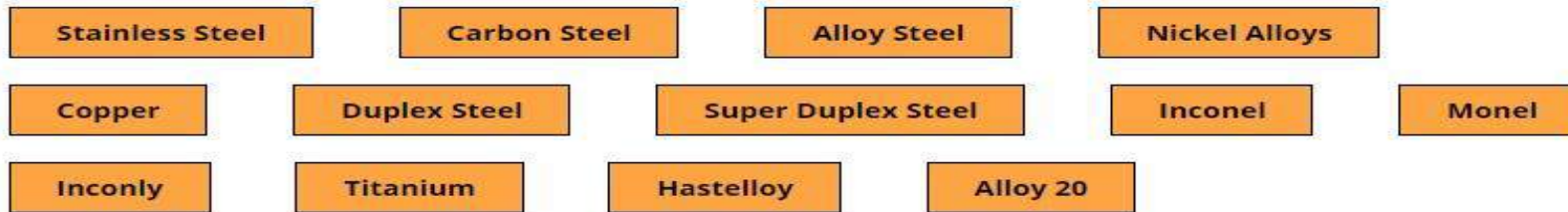
Thickness : Sch 5s, Sch 10s, Sch 40s, Sch 80s, Sch 160s, Sch XXS

Type : Seamless / Welded / Fabricated

Bending Radius : R=1D, 2D, 3D, 5D, 6D, 8D, 10D or Custom



**We have a wide range of Pipe Fittings Available in Different Grades of Metal Materials -**



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# **Flanges:**

M.A.International are well known Suppliers, Dealer, Exporter and Manufacturers of Flanges in India. Our high-quality range of Flanges is exclusively designed for chemical industries, steel factories, petrochemical industry, fire protection systems, shipping/shipment industries, etc. These are designed and developed in accordance with the IQS (International Quality Standards). Flanges that are made with precision using the best quality raw material. We also customize Flanges as per the customers requirements.

## **SPECIFICATION OF FLANGES:**

Specifications: ASTM B564, A182, A105, F694, B462, B381 etc.

Dimensions: ANSI/ASME B16.5, B 16.47 Series A & B, B16.48, BS4504, BS 10, EN-1092, DIN, etc.

Standard: ANSI Flanges, ASME Flanges, BS Flanges, DIN Flanges, EN Flanges, etc.

Size: 1/2" (15 NB) to 72" (1200NB)

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

Flange Face Type: Flate Face (FF), Raised Face (RF), Ring Type Joint (RTJ)

Types: Weldneck, Slip On, Blind, Threaded, Lap Joint, Spacer, Spectacle, Square, Socket Weld etc.



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## **Round Bars & Solids:**

M.A.International is a famous manufacturer and supplier of **Round Bars**. We offer a wide range of Solid Bars in different sizes and shapes that are being designed as per the national and international standards and specifications by maintaining the quality of raw materials. We are also offering Round Bars in various length sizes and shapes and are available at affordable prices.

Our Round Bars provides some excellent properties such as low-temperature properties, and it responds well to hardening by cold working.

### **SPECIFICATION ROUND BARS:**

Specifications: ASTM A276, A479, B473, B574, B166 etc.

Dimensions: EN, DIN, JIS, ASTM, BS, ASME, AISI

Round Bar Size: 3mm to 800mm – Square Bar Size: 4mm x 4mm to 100mm x 100mm

Flat Bar Size: 2mm to 100mm & Hex Bar Size: 2mm ~ 100mm

Thickness & Length: 1 mm to 6000 mm Long or Custom Cut Length

### **Weight Calculator Formula:**

**Dia (MM) X Dia (MM) X 0.00623 = Weight / Meter.**

**Dia (MM) x Dia (MM) x 0.00190 = Weight / Feet.**



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## **Sheet, Plates & Coils:**

M.A.International are well known Stockists, Suppliers & Exporter of ***Sheet, Coil & Plate*** in India. Our high-quality range of Metal Plates is exclusively designed for chemical industries, steel factories, petrochemical industry, fire protection systems, shipping/shipment industries, Oil Refineries, Gas Industry, Automotive Industry, Aerospace, etc. These are designed and developed in accordance with the IQS(International Quality Standards).

We, M.A.International , are providing the top-notch quality of *Stainless Steel 304 Sheet/Plate* with all beneficial features. Our manufactured Sheets and Plates are easily accessible in diverse sizes, specifications, and thicknesses as per the clients' needs. We are making available these SS Sheet/Plate at best possible prices, which is another essential feature presented by our product ranges.

### **SPECIFICATION OF SHEET/PLATE:**

Specifications: ASTM B424, ASTM A240, A36, B575, B265 etc.

Thickness: 0.1mm to 150 mm Thk

Sheet/Plate Size: 10mm Width to 3500mm Width & 100mm Length to 12500mm Long Length.

Finish: Hot rolled (HR), Cold rolled (CR), SATIN (Met with Plastic Coated), Galvanized etc.

Alloys: Stainless Steel, Carbon Steel, Alloy Steel, Inconel, Monel, Hastelloy, Hardox, Titanium etc.

### **Weight Calculator:**

Width (MM) x Length (MM) x Thickness (MM) x 8 = Weight / Sheet or Plate.

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## **Fasteners:**

M.A.International is a leading manufacturer of Fasteners in India. We have a wide range of fasteners such as 12 Point Screws, Button Head Cap Screws, Flat Head Screws, DTI Washers, Flat Washers, Pack Washers, Spring Washers and all other fasteners are available in all grades. M.A.International manufacturers pipe fitting and fasteners in all grades with high quality of material to manufacture the most durable and long lasting Fasteners. M.A.International also is one of the well known supplier of Fasteners in India.

### **SPECIFICATION OF FASTENERS**

Specifications: ASTM A193,A194, 8.8, 4.6, High Tensile, B7 etc

Standard: DIN, ASTM, BS and all International Standards

Length: 3 mm to 1000 mm

Size: M3 - M56 | 3/6" to 4" | Custom Sizes

Alloys: Stainless Steel, Alloy Steel, Titanium, Monel, Inconel, Hastelloy, Mild Steel etc.



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## Compression Tube Fittings:

Our range of double ferrule fittings work on the proven principle of two ferrules swaging to the tube when tightened. As the nut is tightened the front ferrule swages on to the tube making a prominent leak-proof seal and the back ferrule makes a positive impression on the tube.

Our Fittings has been specifically designed for use on instrumentation, process and control systems, together with equipment employed in chemical, chromatography, petroleum, power generation and pulp & paper plants.

**M.A.International** Tube Fittings are available in Stainless Steel, Brass, Steel, Monel, High Duty Bronze, Hastelloy C, Incoloy, Inconel 600. Straight fittings are machined from cold finished bar stock and shaped bodies are machined from close grain forgings. The raw materials used fully conform to the chemical requirements of one or more of the specifications listed.



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## **Welding Electrodes & Filler Wires:**

**Welding Electrode** – M.A.International is one of the most reputed Importers and Exporters in all types of Metals in India. We offer Stainless Steel Welding Electrodes in different type of thickness, specification, grades and dimensions. With grades such as 308L, 309, 309L, 310, 312, 316L, 347 and so on, they are extensively used in diverse applications industry, and are formed from urbane technology and superior grade of raw materials with newest characteristics.

**Filler Wire** – M.A.International is one of the most reputed Importers and Exporters in all types of Metals in India. We offer Stainless Steel Filler Wires, Welding Tig Wire, mig wire, Haynes 25 welding wire, L605 wire, 718 welding wire, ErniCrfe2 welding wire and Welding Wires in different type of thickness, specification, grades and dimensions. A filler wire is a metal added in the formation of a twofold through soldering, welding or brazing. Generally four kinds of SS filler metals exist, which can be called as covered electrodes, tubular electrode wire, welding fluxes, and bare electrode wire or rod. They are extensively used in diverse applications industry, and are formed from urbane technology and superior grade of raw materials with newest characteristics.



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# Valves:

Backed by rich experience & competent team of professionals we At **M.A.International** specialize in manufacturing a wide range of Ball Valve, Butterfly Valve, Check Valve, Gate Valve, Actuated Flush Bottom Ball Valve, Jacketed Ball Valve, Jacketed Non Return Valve, SMS Ball Valve, 3-Way Ball Valve, Flushing Type Ball Valve, Pneumatically Actuated Ball Valve Globe Valve, Safety Valve, Pressure Reducing Valves, Control Valve, Plug Valve, Wafer Type Non Slam Check Valve, etc

# **Stainless Steel** : 304, 316, etc

# **Inconel**: 600, 625, 800 etc

# **Hastelloy**: C276



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## Grades & Sections

Established in 2013 **M.A.International** has specialized in the field of Stainless Steel & High performance alloys in variety of Grades & Sections to international specifications like JIS (Japanese), DIN (German), AISI/SAE (American) & BIS (Indian Standards). We provide a wide range of products using Austenitic, Ferritic, Martensitic, Austenitic-Ferritic (Duplex) stainless steel grades & special grade stainless steel of Precipitation Hardening(PH), Electrode quality etc.

- # **Stainless Steel** : 304, 304L, 316/316L, 317L, 347H, 310S, 410, 416, 431 etc.
- # **Titanium** : Grade 1,2,3,5,7,9,11,23.
- # **Hastelloy** : B, B2, C22, C276, X
- # **Inconel / Incoloy** : 600, 601, 625, 718, 800, 825
- # **Monel** : 400, 500, k500
- # **Nickel** : 200, 201, 205, 212, 222, 270
- # **Nitronic** : Nitronic 30, Nitronic 50, Nitronic 60
- # **Cupro Nickel** : Cu-Ni 70-30, Cu-Ni 80-20, Cu-Ni 90-10
- # **Aluminium** : 1050, 1060, 5154, 5454, 6066, 6063,
- # **Duplex** : F51 (31803), F60 (32205)
- # **Super Duplex** : F53 ( 32750), F55 (32760) 32550, 31254 etc
- # **PH** : 17-4PH (630), 15-5PH

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# **Application**

Our products have wide application in Chemical, Pharmaceuticals, Heat Exchangers, Aviation Industry, Hydro Metallurgy, Oil & Gas, Food Processing, Dairy Equipment, Agriculture, Household, Electronics, Architecture, Astronautics, Furniture, Fabrication, Mining, Power Generation, Nuclear, Shipping, etc



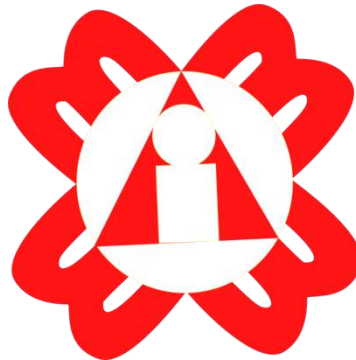
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