



V M ALLOYS



Steel

**The foundation
of a better world.**

PIPES, FITTINGS, FLANGES, VALVES,
STUDBOLTS & GASKETS

COMPANY PROFILE

V M ALLOYS is market leader in the steel industry since 1 decade, **V M ALLOYS** is an ISO 9001: 2015 Certified Co. which is engaged in specialized stocking and trading of Nickel Alloys, Stainless Steel, Carbon Steel, Alloy Steel Raw Material, Non-Ferrous Metals and industrial raw materials for various sectors and discerning customers in India & abroad.

As markets today demand better performance, more reliability & higher quality. We have expanded to new areas on the map globally, offering a larger range of products & services than even before.

V M ALLOYS is a professionally managed organization having extensive experience in the field of manufacturing of Fabricated Pipes, Pipe Fittings, Flanges as well as an unparalleled sourcing network for varied steel products.

As a testimony to our relentless efforts in satisfying the client's need, we have been retained by various clients across industries like Refineries & Petrochemicals, Oil & Gas, Offshore, Chemical & Fertilizers, Cement, Engineering, Construction, Sugar, Nuclear & Thermal, Paper & Pulp etc.

We hope this Catalogue presented in a convenient and easily understandable format will help or serve as a valuable reference material which will make buying decision much easier.

QUALITY POLICY

To strive for customer satisfaction by service and technological Integration.

All departments are fully automized for complete chain management to offer best product quality & prompt service to customers.

All our products passes through best of quality systems for material control, process control, testing, finishing etc.

To maintain a competent work force through training and continual improvement of Quality and Safety Management Skills.

To manage operations and optimize profits.

Create a sense of responsibility amongst all members of the organization

To Train, Motivate and Encourage Employees in achieving Company's Goals.

Continually improve our Quality Management System to ensure its continuing suitability to enable us to stay ahead of competition.

Chemical, Abrasion, Temperature, Resistance Technology by New Research of Wonderful Superior by the Present Mankind to

Future Generation.



OUR PRODUCTS

PIPES & TUBES

MATERIALS : Stainless Steel, Carbon Steel, Low Temp, Alloy Steel, Duplex/Super Duplex, Special Alloys/
Nickel Titanium Alloys In Seamless & Welded. (Dimensional / Tolerance Standard ASME, ANSI B 36.10 / B 36.19)

MATERIALS GRADES

API5L/A106/A53 GR B, X42, X52, X56, X60, X70, X80 (PSL 1 & PSL 2)

ASTM A333 GR 6, A671 GR CC60 / CC65 / CC70, CL 12, 22

A335 GR P1/P5/P9/P11/P22

ASTM A312-TP316/316L & TP 304/304L, 321

ASTM A790, ASTM A928, Nickel 200/Nickel201/Monel-400/Monel-600



BUTTWELD FITTINGS

Stainless Steel, Carbon Steel, & Other Steel Grades size from
1/2" 24" in Seamless & above up to 84" in Welded.

TYPE OF FITTINGS

Elbows (90°/45°/180°, 1.5D, 3D, 5D Bends), Equal & Un Equal Tee,
Lateral Tee, Barred Tee, Cross, Concentric / Eccentric Reducers &
Cap.

MATERIALS GRADES

ASTM A234 WPB, ASTM, A420 WPL 6, WPL3, WP5, WP9, WP11, WP22

ASTM A403 304/304L, 316/316L, WP321, WP347, WPS31254

ASTM A815 UNS 31803, UNS 32750 & UNS 32760

ASTM A860 WPHY-42, 46, 52, 60, 65 & MSS SP75-WPHY 46, 52, 60, 65.

FORGED FITTINGS

Stainless Steel, Carbon Steel, Alloy Steel & Duplex/Duplex Steel
Grades size from 1/2"-6"

TYPE OF FORGED FITTINGS

Elbow, Tee, Reducing Tee, Cap, Bushing, Union, Boss, Plug, Nipple,
Barrel Nipple, Street Elbow, Weldolets, Sockolets, Elbow lets,
Flangolets, Thredolets, Latrolets & Swage/Hex Nipples.
(Class #3000, #6000, #9000) (SW, NPT & BSPT)



MATERIALS GRADES

ASTM A105N, ASTM A350 LF1, LF2, LF3, ASTM A 182, F5, F9, F11, F22, F91

ASTM A182 F316/316L, F304/304L, F317, F321, F347, F304H, F44, F51 & F53

OUR PRODUCTS

FLANGES

ASME Flanges in Stainless Steel, Carbon Steel, Alloy Steel & Other Steel Grades in # 150 to Class # 2500 & the Sizes from - 1/2" to 60", API Flanges from Class 2000-20000 & DIN Standard Flanges in PN 10, PN 16 , PN 25.

TYPE OF FLANGES

WNRF, BLIND, RF, SORF, SWRF, Threaded RF, RTJ Flanges, Long Weld Neck Flanges, Nippo Flanges, Reducing Flanges, SWIVEL Flanges, ORIFICE Flanges, & Anchor Flanges.

MATERIALS GRADES

ASTM A 105 N, ASTM A 350 LF2 & LF3

ASTM A 182F 304/304L, F 316/316L, F 321, F 347, F44, F51

ASTM A 182-F5, F5A, F9, F11, F12 & F22

ASTM A 694 F42, F52, F60, F65

Nickel Alloy Flanges & Copper Alloy (Cu-Ni) Flanges



BOLTS, NUTS & WASHERS

Stainless Steel, Carbon Steel, Alloy Steels, Exotics, Duplex/ Super Duplex, Monel, Brass, Nylon etc.

TYPE OF FASTENERS

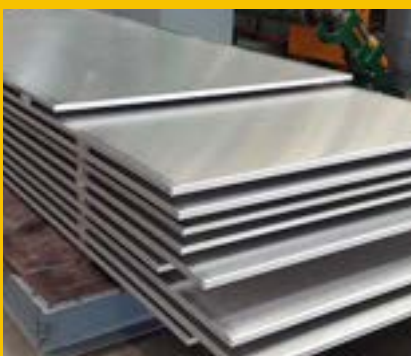
Stud Bolts, Hex Bolts, Nuts, Washers, Anchor Bolts, in Bare Condition, Galvanized, Cadmium Plated, Chrome Plated, HDG etc.

ROUND BAR

Stainless Steel, Carbon Steel, Alloy Steels, Exotics, Duplex/ Super Duplex, Monel, Nickel, etc.

TYPE OF ROUND BAR

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



SHEET & PLATE

Stainless Steel, Carbon Steel, Alloy Steels, Exotics, Duplex/ Super Duplex, Monel, etc.

TYPE OF SHEET & PLATE

Sheet, Plates, Coils, Flat, Strips, Profile, Blank, Circle, Ring etc.

MATERIALS GRADES

ASTM A240 Gr. 304/L/H, 309S/H, 310S/H, 316/L/H, 317L, 321/H,

347/H, 904L

APPLICATION INDUSTRIES



- Ship Building
- Paper & Pulp Industries
- Sugar Industry
- Nuclear Power
- Engineering
- Petro-Chemical
- Cement Industries
- Railway
- Chemical & Pharmaceutical
- Food Industries
- Oil & Gas Industries
- Water Piping System

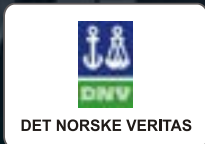
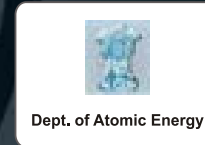
FORMULA OF CALCULATING WEIGHT

- **WEIGHT OF STAINLESS STEEL / CARBON STEEL PIPES & TUBES**
 $OD (mm) - W.T. (mm) \times W.T. (mm) \times 0.02466 = KG. / MTR.$
- **WEIGHT OF STAINLESS STEEL SHEETS**
 $Length (mm) \times Width (mm) \times Thk. (mm) \times 8 = KG. / SHEET$
- **WEIGHT OF CARBON STEEL SHEETS**
 $Length (mm) \times Width (mm) \times Thk. (mm) \times 7.85 = KG. / SHEET$
- **WEIGHT OF STAINLESS STEEL CIRCLE & BLANKS**
 $O.D. (mm) \times O.D. (mm) \times Thk. (mm) / 160/1000 = KG./PCS.$
- **WEIGHT OF STAINLESS STEEL ROUNDS**
 $Dia. (mm) \times Dia. (mm) \times 0.00623 = KG. / MTR.$
- **WEIGHT OF STAINLESS STEEL HEXAGONAL RODS**
 $Dia.(mm) \times Dia. (mm) \times 0.00679 = KG. / MTR.$
- **WEIGHT OF STAINLESS STEEL SQUARE RODS**
 $Dia. (mm) \times Dia. (mm) \times 0.00787 = KG. / MTR.$
- **WEIGHT OF COPPER PIPES**
 $O.D. (mm) - W.T. (mm) \times W.T. (mm) \times 0.0285 = KG. / MTR.$
- **WEIGHT OF ALUMINUM PIPES**
 $O.D. (mm) - W.T. (mm) \times W.T. (mm) \times 0.0282 = KG. / MTR.$
- **WEIGHT OF ALUMINUM SHEETS**
 $Length (mtr.) \times Width (mtr.) \times Thk. (mm) \times 2.66 = KG. / SHEET$
- **WEIGHT OF LEAD PIPES**
 $O.D. (mm) - W.T. (mm) \times W.T. (mm) \times 0.0345 = KG. / MTR.$
- **WEIGHT OF LEAD SHEETS**
 $Length (mtr.) \times Width (mtr.) \times Thk. (mm) \times 11.2 = KG. / MTR.$
- **SHEET WIDTH REQD. FOR ROLLED & WELDED PIPES**
 $O.D. (mm) - Thk. (mm) \times 3.14 = SHEET WIDTH (mm)$
- **WEIGHT FOR SQUARE / RECTANGLE PIPES**
 $Length from 4 Angle (OD) / 3.14 - Thk. (mm) \times Thk. (mm) \times 0.00756 = KG. / PER FEET$
- **FORMULA FOR HEALTHY BUSINESS**
Honesty + Quality of Goods + Quick Service
+ Reasonable rate = Good Health of Business

PACKING & DISPATCH



THIRD PARTY INSPECTION



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