



KINNARI STEEL
Corporation



Quality our First Priority



Company Profile



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There are several factors that influence the success of a company that operates in National & International level. We at Kinnari Steel Corporation are one such determined lot who clearly knows what it takes to make a mark of its own in fiercely competitive Stainless Steel Tubes / Pipes Industries.

We believe "When all the corners are equal, one with a personalized approach", creates a relative advantage over others. We holistically strives to give that important "extra" service to customer to achieve "Customer Satisfaction" each time & every time.

We are primarily engaged in manufacturing & supply of stainless steel tubes, pipes & ferrule fittings, valves & manifolds as per National & International standards. To various industries like oil & gas, Pharmaceutical, Thermal, Nuclear power, Aerospace, Food & Dairy industries, Instrumentation, Control Valves.

Quality

Stringent Quality Controls measures are followed in process & procedures to achieve perfection in quality of products as per ISO 9001-2000 bench mark.

Well qualified & committed management ensures "No Stone is Unturned" when it comes to "Quality, Service and customer satisfaction.

Product Range

Single/Double Ferrule Compression Tube Fittings Product Range

	Male Connector	Female Connector
Connectors	Thermocouple Male Connector Bulkhead Male Connector Long Male Connector Male Pipe Weld Connector	Bulkhead Female Connector Port Connector Reducing Port Connector
	Bulkhead Female Connector	Female Branch Tee
Tee	Positionable Male Branch Tee Male Run Tee Positionable Male Run Tee	Female Run Tee Union Tee Reducing Union Tee
Union	Union An Union Reducing Union Bulkhead Union	An Bulkhead Union Bulkhead Reducing Union Tube Socket Weld Union Union Cross
Elbow	Male Elbow Positionable Male Elbow Male Pipe Weld Elbow Tube Socket Weld Elbow	Female Elbow Union Elbow Reducing Union Elbow

Ferrules	Gaskets
Back Ferrule Front Ferrule Single Ferrule	RS Fitting Gasket RP Fitting Gasket RG Fitting Gasket
Caps End	Plugs
Caps End For Fractional Tube Connection	For Fractional Tube Connection
Caps End For Metric Tube Connection	For Metric Tube Connection
Nuts	Reducer
Nuts Bulkhead Lock Nut	Reducer Bulkhead Reducer

Single/Twin Ferrule compression Tube Fittings

Precision Pipe Fittings & Adaptors	37 Degree Flared Fittings
Stainless Steel Push in Fittings	Quick Connect Couplings



DOUBLE FERRULE FITTING

Double Ferrule Compression Tube Fitting provide leak proof torque free seals at all tubing connections. They eliminate hazardous leaks Instrumentation, Process, pneumatic, Hydraulic, Gas and other applicable tubing system which could otherwise turn out to be costly to be installation.

The basic Ferrule Tube Fittings is a four piece Fitting consisting of the Nut, the Back Ferrule, the Front Ferrule and the Body, When installed, it becomes a five piece connection with the

addition of the tubing providing a solid leak free joint.

The two ferrules grasp tightly around the tube with no damage to the tube wall. Exhaustive tests have proven that the tubing will yield before a Double Ferrule joint starts leaking.

The secret behind the success of the Double Ferrule Fitting lies in the two ferrule design which is a tube instead of a rotary motion to create the joint. This axial movement prevents any torque to be transmitted from a fitting to the tubing. Since there is no initial strain in the tubing, the making of the joint does not weaken the tubing.

Another advantage of the Double Ferrule Fitting is that the Sequential action of the twin ferrule overcomes variations in the wall thickness, hardness and dimensional tolerance of the tubes. This way proper ferrule interaction compensates for the variables which lead to failure in other fittings.

Double Fittings are easy to install and special tools in the process. They are reusable several times and can withstand heavy impulse and vibration both in vacuum and systems, Absence of damage to the surface prevents fatigue failure.

Double Ferrule Compression Tube Fittings Have The Following Features

We give below a summary of the advantages of Double Ferrule Fitting.

DESIGN

- Be self aligning
- Works on thick and thin wall tubing
- Resists vibration
- Works on a variety of tube materials
- Have all components made of the same material and hence possess thermal compatibility and corrosion resistance.
- Resistance to temperature cycling
- Compensates for the variables encountered in tube, materials, Dimensions and metallurgy.
- Does not significantly reduce flow area.

PERFORMANCE

- Works on vacuum as well as low and high pressures
- Seals at low cryogenic temperatures as well as elevated temperatures rated for the tube
- Seals consistently over a wide range of temperature cycling
- Seals repeatedly under make and break conditions.
- Resistant to pressure upto the burst point with the tubing without leakage.

ASSEMBLY

- Uses geometry rather torque for uniformity of make-up.
- It requires only one and quarter turns after snug tight to complete the joint.
- Does not require dis-assembly and inspection of ferrule swaging at every make-up.
- Does not require any special tools for assembly.

SERVICE

Double Ferrule Tube Fittings are available in a wide range of materials, sizes, connections and configurations you can contact us at our mumbai office or our sister concern at pune.





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MANIFOLDS

The company is involved in the manufacture of Double Ferrule Compression Tube Fittings, Valves, Manifolds and specialized accessories for use in Instrumentation, Hydraulics, Pneumatics and Lubrication. The company has a wide range of products for the oil and gas industries Petrochemicals, Rotating Machinery, Power Generation, Cryogenic and Vacuum Applications among others.



Kinnari Steel Corporation, offers a series of Manifolds Compact Piping and Control in lines involving pressure and differential pressure instruments. Manifolds eliminates several parts used in the conventional method of piping with individual valves and adaptors resulting in costs saving. Their compact design reduces space requirements for operation and installation. Internal porting, Arrangement within the Manifold eliminates leakage points.

Kinnari Steel Corporation Manifolds are available in 2, 3 or 5 Valve construction.

Two Valve Manifolds are used in pressure instruments such as pressure transmitters, pressure switches etc.

Three Valve and Five Valve Manifolds are used in differential pressure instruments such as differential pressure transmitters, differential pressure switches, differential pressure gauges etc.

Five Valves Manifolds are normally used with differential pressure instruments where drain valves are required on the instruments side. They are also useful for flushing of the system and prevention of loss of expensive Fluid Controls in the impulses.

Kinnari Steel Corporation Manifolds are available in four different types of design.

SEPARATELY MOUNTED MANIFOLDS meant for installation from the instruments and are usually connected by means of pipes or tubes, pipes and pipe fittings/tubes and tube fittings.

DIRECT MOUNTING 'T' TYPE MANIFOLDS for the direct mounting on the instrument and screwed process connections.

DIRECT MOUNTING 'H' TYPE Manifold for stacked assembly between the instrument and flanged process connections.

CO-PLANAR MANIFOLDS mounted directly on the instrument eliminating the adapter plate.

Kinnari Steel Corporation Manifolds are available in variety of materials depending

- Carbon Steel ASTM A 105
- Stainless Steel ASTM A 479/A 182 F 304, F316, F304L and 316L, F321
- Cupro Nickel Monel
- Inconel
- Hastalloys 'C'
- Titanium

The choice of the materials is based on the working Fluid Controls and the installation Location where atmospheric conditions may vary and require materials to prevent corrosion and withstand variation

Manifolds in Stainless Steel and Monel are also available with conformity to NACE MR 01 75 for corrosion resistance.

MANIFOLDS





VALVES



Needle Valve

Kinnari Steel Corporation manufactures following range of Needle Valves as per the requirements of the customer :

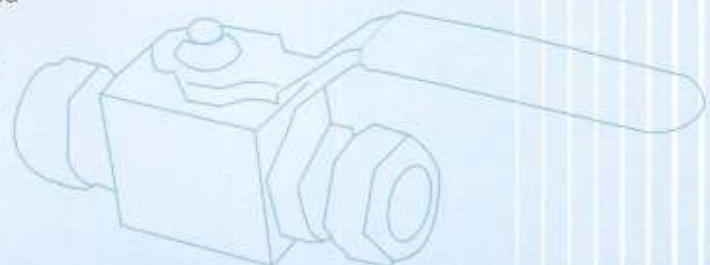
• Bar Stock Needle Valve	• Bar Stock Needle Valve
• High Pressure Needle Valve	• High Pressure Needle Valve
• Screwed Bonnet Needle Valve	• Screwed Bonnet Needle Valve
• 3 way Needle Valve	• 3 way Needle Valve

Kinnari Steel Corporation offers a large range of other severe service Needle Valves. All types of designs are available including Screwed Bonnet, Union Bonnet, Integral Bonnet forged body designs. Needle Valve with bleed plug available for venting. Also available various types of miniature Needle Valves. Working pressure upto 15000 PSIG.

Gauge Valve / Gauge Root Valve

These Valves are used for venting and calibration. Screwed bonnet design

Bonnet	: Back seated blow out proof.
Spindle	: Ground and thread rolled.
Packing	: Below thread to increase the life of packings.
Spindle tip	: Non rotating tip shut off type stellite, Regulating stellite and soft seated.
Bonnet Pusher	: Silver Plated for anti galling freezing for increased stem cycle life.



VALVES



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SINGLE FERRULE & FLARE FITTINGS



Kinnari Steel Corporation manufactures all types of Single Ferrule (Parker Type) & DIN-2363 (Ermeto type) is designed to give you leak proof, secure connections that can withstand high pressure, Vibration and vacuum applications. To this end, tube fittings are made up of three parts of three parts that are precision engineered and machined : body, ferrule and nut.

Kinnari Steel Corporation tube fitting is designed for use in control systems, process and instrumentation devices and in industrial equipment used in various industries such as :

- Pulp & paper mills
- Petroleum process plants
- Chemical process plants
- Power generation plants
- Control Valves

Kinnari Steel Corporation offers you a simple, high quality tube fitting with excellent performance and reliability

Various types of positional fittings are available for high pressures and precision fitment.

37° flared fittings meets SAE Standard J514

Stainless Steel High Pressure 37° Flared.

Tube Fittings 1/8" to 1.1/2" (TUBE, NUT, SLEEVE, 3 PIECE TUBE ASSEMBLY).

All flared and flareless fittings are manufactured in accordance with US Military standards (MS 515XX & MS 518XX).

SINGLE FERRULE & FLARE FITTINGS





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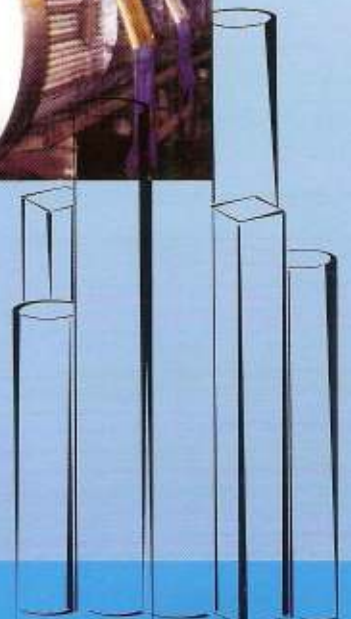
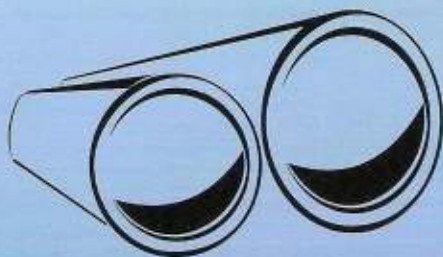
S.S. Tube & Pipes

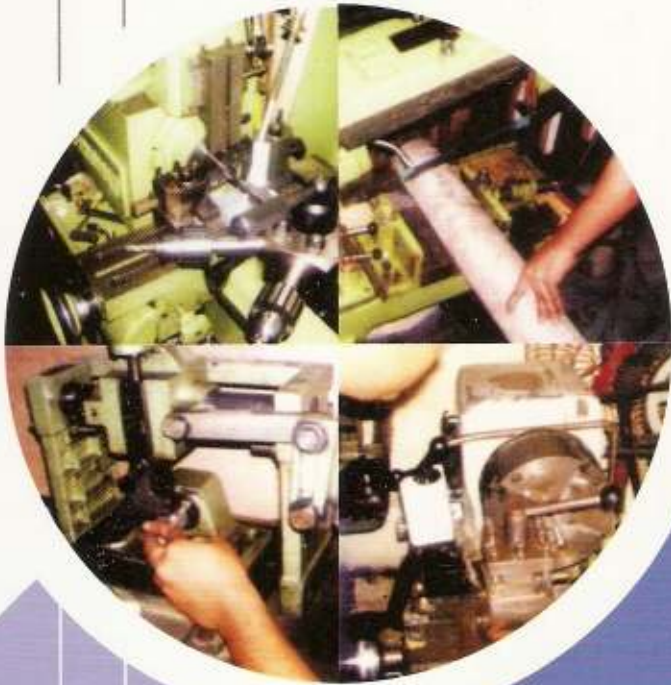


We are one of the leading Stockists, Importers & Suppliers of Stainless Steel Tubes & Pipes in all grades conforming to various National & International Standards.

We have huge ready stock of stainless steel tubes from 1mm OD to 38mm OD and Thickness from 0.2mm to 3mm in grades of 304Q/304LQ/316Q/316LQ/ etc.

We always strive to give the best Quality Materials, Efficient & Prompt service at most appropriate prices to give best "value for money deal", We have been retained by many of our reputed client in Industries like oil & gas, refineries, Instrumentation, Hydraulic, Dairy, Pharmaceutical, Control Valves etc.





KINNARI STEEL
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Stockist, Importer & Suppliers of : Stainless Steel, Industrial Raw Materials
Specialist of : S. S. Tubes & Tube Fittings

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