

Quality Our First Priority













COMPANY PROFILE

Rushabh Metal & Engineering Co was formed by a team of young techno crafts with an aptitiude & to deliver world class products in the field of instrumentation. Relatively young in the field, we have alredy ruffled many feathers in our industry for the quality, unimaginative & competitive pricing.

Rushabh Metal & Engineering Co aims to simplify the specification, installation and maintenance of your system to make instrumentation easy' for the engineer while delivering increased up-time through class leading design innovation.

With the latest in-house machining facility and infrastructure supplier to the industries we serve. under one roof, we manufacture a wide range of tube fittings, pipe fittings, Ball valves, Manifold valves, Air Headers, Needle valves, prefab hookup and instrumentation accessories in different size and metals like Brass, Stainless Steel, Monel, Hastelloy C, and other materials according to customer's request.

We manufacture fluid system component for a wide variety of industries, including Chemical & Petrochemical, Oil & Gas, Desalination plant, Sanitray, Power generation, Paper & Pulp and Semiconductor.

Rushabh products has been designed & manufactured to meet highest quality and performance standards associated with process control system & the instrumentation industry. Our Quality Management System conforms to ISO 9001: 2008

Our product range is most comprehensive, quality meeting most stringent requirements while the material specifiation are wide ranging meeting National & International Standards viz; BS 4368 PART IV, ASTM F 1387 (mandatory & Supplementary), ECE R110, ISO 15500.

Rushabh Metal & Engineering Co experienced professionals are dedicated towards meeting future requirements of the market. Our hard earned reputation for quality and Reliability comes from a singular commitment to be a skilled and manufacturing responsive

Rushabh has been on the steady path of growth and development in the field of process control

Rushabh is determined to be your ultimate source for process control fittings.

BS-6436



PED (97-34EC



APPROVALS

























PRODUCT RANGE



SINGLE/DOUBLE FERRULE COMPRESSION TUBE FITTINGS PRODUCT RANGE

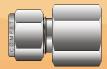
	Male Connector	Female Connector	
Connectors	Thermocouple Male Connector Bulkhead Male Connector Long Male Connector Male Pipe Weld Connector	Bulkhead Female Connetctor Port Cinnector Reducing Port Connector	
	Bulkhead Female Connector	Female Branch Tee	
Tee	Positionable Male Branch Tee Male Run Tee Positionable Male Run Tee	Female Run Teel 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	

TUBE FITTINGS

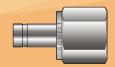
Female Connectors-CFC



Reducer Port Connetors - CRPC



Female Adapters CFA



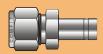
Port Connectors-CPC



Male Connectors - CMC



Reducers-CR



Reducer Unions-CRU



Male Adapters-CMA



TUBE FITTINGS



Bulkhead Unions-CBU



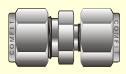
Reducer Union Elbows-CRUE



Bulkhead Reducer Unions-CBRU



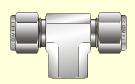
Unions-CU



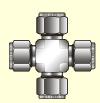
Male Elbows-CME



Female Branch Tees-CFBT



Union Cross-CUC



Female Elbows-CFE



Positionable Male Run Tees-CPMRT



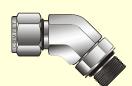
Union Elbows-CUE



Female Run Tees-CFRT



45°Positionable Male Elbows-C45PME



Double Ferrules - Front Ferrule CFF



Single Ferrules



Nuts-CN



Tube Caps-CTC



TUBE FITTINGS

Connectors	Unions
37 Flares	Elbows
Reducers	Tees
Port Connectors	Union
Adaptrs	Component

PIPE FITTINGS

Nipples	Unions	Female Cross
Adapters	Elbow	Union Ball Joint
Bushings	45 Elbow	Caps
Couplings	Tees	Plugs
		Gasket

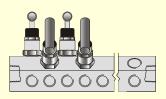
NSTRUMENT VALVE



NEEDLE VALVES



AIR HEADER DISTRIBUTER



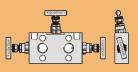
Gauge Valves



Natural Gas Manifold Valves

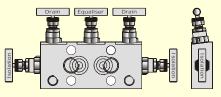


Two valve instrument manifolds Pressure (6000psig / 414barg

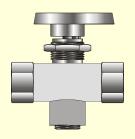


Needle Valves Manifold Valves

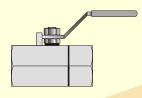
MANIFOLD VALVES



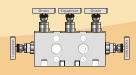
BALL VALVES



Ball Valves



Five valve instrument manifolds



Three valve instrument manifolds Pressure (6000psig / 414barg

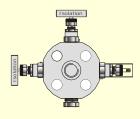


Monoflange Valves

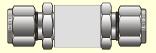
Air Header Distributer

Ball Valves Check Valves

MONOFLANGE VALVES



CHECK VALVES



Instrument Manifold Valves

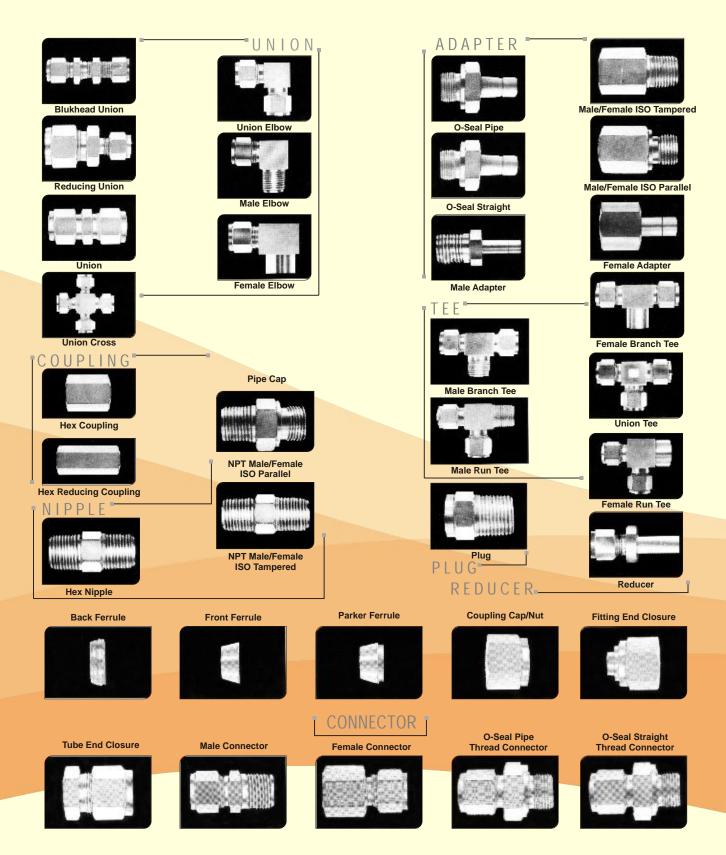


Two valve instrument manifolds



FERRULE FITTING / TUBE FITTING





SINGLE FERRULE & FLARE FITTINGS DOUBLE FERRULE FITTING



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

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 ferrule 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 dose not weaken the tubing.

Another advantage of the Double Ferrule Fitting is that Sequential action of the 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 systemes, 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 mode 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.

Dose not significantly reduce flow area.

ASSEMBLY

Uses geometry rather torque for uniformity of make-up It requires only one and quarter turns after snug tight to complete the joint.

Dose not require dis-assembly and inspection of ferrule swaging at every make - up.

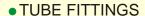
Dose not require any special tools for assembly.

PERFORMANCE

Work 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.

SERVICE

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



- PIPE FITTINGS
- INSTRUMENT VALVES
- FERRULE FITTING



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