

Manguera Metálica

Stainless Steel Hose Pipes

The Stainless Steel Corrugated Hoses are available in stainless steel grades (AISI) 321, 316, 316L, & 304 by forming convolution so that it may conveniently bend while remaining liquid and gas tight. The hoses of specific length as per requirement can be manufactured with the end fittings in Flanged / Threaded types. The Flexible Hose are available in braidings of Stainless Steel wire to take care of external damage and to increase pressure ratings.

Flexibility Grades :-

i) Standard Pitch Tubing with Class 'B' flexibility as per BS 6501. Common applications include fluid transfer for process industries, oil burners, misalignments.

ii) Fine Pitch Hose (Tubing) with maximum flexibility similar to Class C flexibility of BS 6501. These are used for the most arduous flexing or high frequency at high temperature and high pressures. The pitch of the hose can be varied to achieve a range of flexibility and pressure rating as required for various application.



Hose Technical Data

Nominal size N.B.	Without braid pressure in kg/cm ²		With Single braid pressure in kg/cm ²		With double braid pressure in kg/cm ²		Min. Bend Radius	
	Max. working (design)	Test	Max. working (design)	Test	Max. working (design)	Test	Static m.m.	Flexing m.m.
6	4	6	100	150	160	240	25	100
10	4	6	90	135	144	216	40	150
12	3	4.5	80	120	128	192	50	200
16	3	4.5	70	105	112	168	50	200
20	2	3	64	96	102	153	70	200
25	2	3	50	75	80	120	90	200
32	1.5	2.3	40	60	64	96	110	200
40	1.5	2.3	30	45	48	72	130	250
50	1	1.5	28	42	44	66	175	350
65	1	1.5	24	36	38	57	200	410
80	1	1.5	18	27	28	42	205	450
100	0.8	1.2	16	24	26	39	230	560
125	0.6	0.9	12	18	20	30	280	660
150	0.6	0.9	10	15	16	24	320	815
200	0.5	0.75	8	12	12	18	435	1015

Note :

- » The above Technical details are subject to change without notice.
- » We can also supply the above Hoses for higher pressures.
- » The above values apply only to Braided Hoses and Assemblies at ambient temperature.

Interlock Hose

Interlocked metal hose is also referred to as strip wound hose and consists of successive turns of profiled strip, with the edges of adjacent turns interlocked. Interlock Hoses are made with a packing so that filament of cotton, asbestos, rubber or metals like copper can be fed into the interlock to make it pressure tight. It is mostly used as a protective/conduit casing. It is also used as a liner inside the hose based on the profile formation.

Locking methods are called :-

- » Square lock
- » Square lock with packing
- » Double lock
- » Double lock with packing

Applications :-

- » As armour
- » For telephone & electrical cables
- » Control instruments & thermo couples
- » For conveying non penetrating fluids such as tar, naphtha, furnace oil.



Hose End Connections

This Fitting are easy to assemble Possesses Unique locking action by back Formula and Resistant to Vibration and Pressure Pulses, Silver Plated Nuts prevent sizing on Stainless Steel and no torque is transmitted to the tube. It is suitable for high vacuum and Pressure Upto 10,000 Rs.2. They are made of Stainless Steel Tubes SS 316,304,3041,306 and are Available in '116' OD To 2 OD. Carbon steel bite Fittings Comprises Of a Special Ferrule which Grip the Pipe in Position And Perceptibly bites into the Pipes surface to Provide Positive Seal. It is also bowed Slightly in the middle and acts as a Spring which Prevents Loosening of the Joint under Vibration And Strain.Brass Olive Tube Fittings are used In Low Pressure.



Functions :- This Fitting are Available in Swage lock Type, Ermetto Type, Parker Type, Festo Type, Push in Type and Flare Type.

Uses :- Pneumatic Or Hydraulic Installation Air Logic, Systems, Chemical Handling, Centralized Lubrication Systems, Low Pressure Hydraulics, Gas Water And Fluid Lines.

Hose Assemblies

When the corrugated hose is subjected to pressure, it tends to open axially. The wire braid is provided to prevent elongation caused by the pressure on the hose. This results in manifold increase in the hose's pressure strength. The braid also provides physical protection against damage to the tube and also dampens secondary vibration movements. The braid is made of Stainless



steel wire conforming to AISI 304/316/321. The angles of lay, wire thickness, number of strands are carefully selected to meet the various application requirements. The braid is woven in such a way that line pressure produces braid tension, and correspondingly provides radial and axial constraint prohibiting elongation of inner tubes. Multiple braided assemblies required to accommodate higher pressures, are also available. Loose braids are also manufactured to meet specific requirements for rubber hoses and other flexible hoses of varied materials. These are tailor-made to meet customer needs.

PIPE & PIPE FITTINGS

Pipe Fittings

Pipe fitting is the occupation of installing or repairing piping or tubing systems that convey liquid, gas, and occasionally solid materials. This work involves selecting and preparing pipe or tubing, joining it together by various means, and the location and repair of leaks.

Fittings are manufactured to DIN/IS/SAE/BS/ANSI Standards and to customers requirements.



Buttweld Fittings

We manufacture and design butt weld fittings in various designs and specifications for different requirements of our clients. Manufactured using quality material and sophisticated machines, our range of butt weld fittings is known for its high quality, zero-defects and superior performance.

We offer these fittings in various shapes such as elbow, tee, reducer, return bends, stub-ends, cap, collar, cross, insert and more. The company has gained expertise in offering fittings with polish & electro polishing and has the capability to manufacture fittings as per drawings.

Fittings are manufactured to DIN/IS/SAE/BS/ANSI Standards and to customers requirements.



Forged Fittings

We have earned a remarkable position in the market because of our impeccable quality forged fittings. Developed keeping the various requirements of our customers and market standards in consideration, our products are known for their high performance, durability and variety of designs and specifications. The various industries in which our forged fittings have found uses are refineries, petrochemicals, chemicals, pharmaceutical, sugar, nuclear, thermal pipe plants, engineering, paper and pulp industries.

Fittings are manufactured to DIN/IS/SAE/BS/ANSI Standards and to customers requirements.



Flanges

We are proud to establish ourselves among the leaders of market as Steel Flange Manufacturer, Industrial Flanges Suppliers. Stainless Steel Flange available with us and provided at reasonable prices with no quality compromise ensures optimum level of customer satisfaction.

Fittings are manufactured to DIN/IS/SAE/BS/ANSI Standards and to customers requirements.

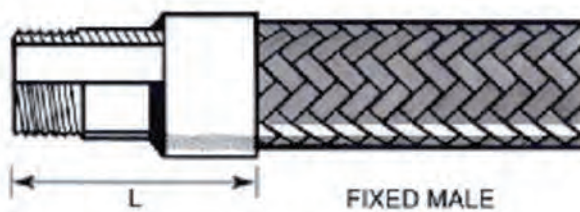


Fasteners

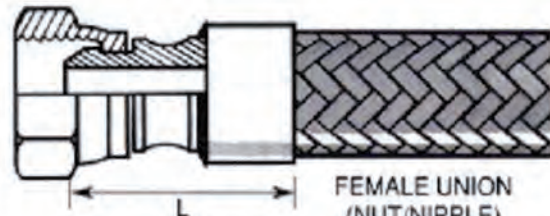
Industrial Fastener provided by us. With the help of our quality products we have got a perfect place in market as quality Fastener Manufacturer, Stainless Steel Fastener Suppliers.

Fittings are manufactured to DIN/IS/SAE/BS/ANSI Standards and to customers requirements.





FIXED MALE (BARREL)

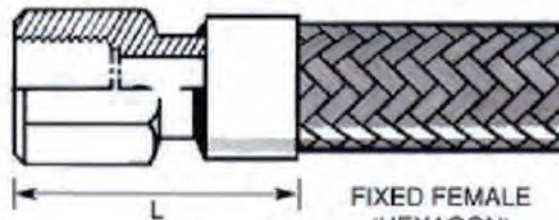


FEMALE UNION (NUT/NIPPLE)

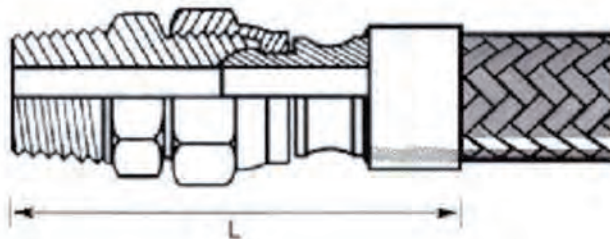
(Flat face also available - TYPE AF14)



PIPE END



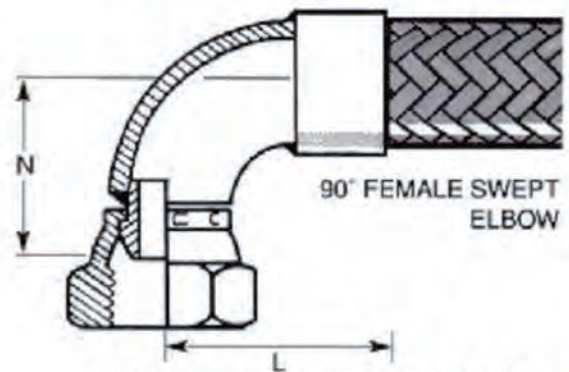
FIXED FEMALE (HEXAGON)



FULL MALE UNION (SWIVEL MALE)

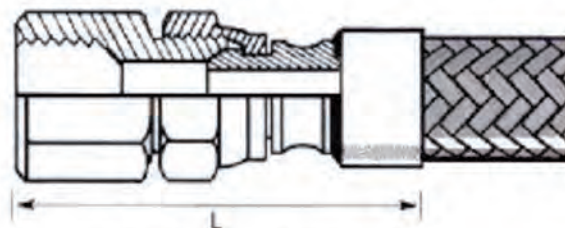


WELDING STUB



90° FEMALE SWEPT ELBOW

(Also available with 135° Angle - TYPE AF6)



FULL FEMALE UNION

FITTINGS AND FERRULES AVAILABLE SEPARATELY



FIXED MALE (HEXAGON)

