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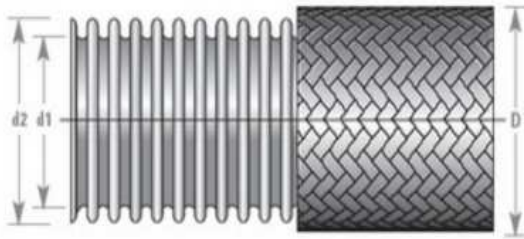
Stainless Steel Flexible Hoses

The hose is of annular construction and the convoluted formation determines its flexibility"

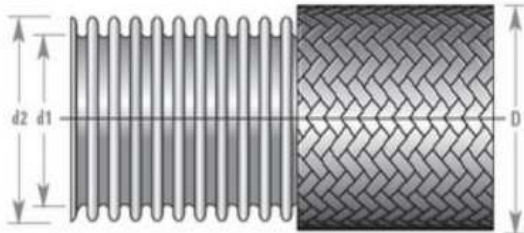
Stainless steel annular corrugated hoses manufactured by our company are in SS 304, SS 321, SS 316 and SS 316-L grade. Our manufacturing range is from 6MM NB to 300 MM NB. These types of hoses find extensive application where pressures and temperatures are involved.

Flexibility Grades

Our standard manufacturing range consists of class B flexibility as per ISO -10380 : 2003 & BS 6501 : 2004. Specific requirements of fine and close pitch hoses with maximum flexibility of class C as per BS 6501 Part I 1991 can be met from this manufacturing facility. Range of products 1/4" ID to 12" ID.



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



Fine and Close 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 applications



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Braid

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.



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Interlock Hose

Filament of cotton, asbestos, rubber or metals like copper can be fed into the interlock to make it pressure tight 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.

Types of Locking:

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



Application

Double Lock Type: This design meets very high standards of tensile and bending strength, Compress and impact resistant against all mechanical stresses. Applications include:

- B.O.P. hose
- Liner for corrugated metal hose
- Dry bulk material handling
- Fume and dust collections
- Protective cover on metal hose

Square Lock Type: This design withstands negligible requirements. Applications include:

- Electronic shielding
- Wiring conduit
- Security systems
- Protective casing
- Thermocouple
- Fiber optics

As armour: For telephone & electrical cables, Control instruments & thermo couples, For conveying non penetrating fluids such as tar, naptha, furnace oil



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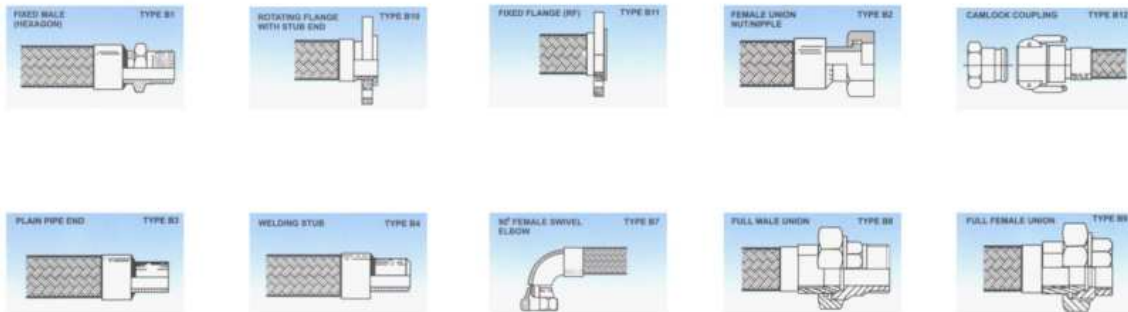
End Fittings

The End fittings are attached to the S.S Hose assembly through the highly technique of TIG Welding. These are the means by which the custom designed assembly is attached to the point of application. Various designs of the End Fittings manufactured from Stainless Steel, suitable for diverse application, are available.



Hose with over braid is fitted on either side with fittings of different specifications to meet specific applications”

End fittings are manufactured in special purpose machines like Semi automatic Lathes, C.N.C. Lathes, Thread chaser etc., from Mild steel, stainless steel and any other material as specified by the customer.



Various Types of End Fittings For Flexible Corrugated Metal Hose Assemblies



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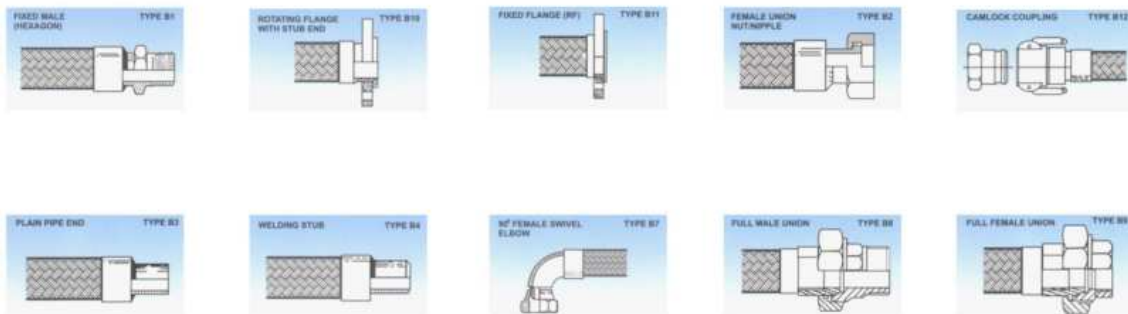
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Various Types of End Fittings For Flexible Corrugated Metal Hose Assemblies



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Hose Assemblies

"Tailor-made to meet the individual requirements at the point of application"

The assemblies are generally tailor-made to meet the individual requirements at the point of application. There are different kinds of end fittings that are connected to the hose and braid to suit specific needs. The process consists of assembling the hose and braid of specified length followed by connecting the end fitting have specialized process of TIG Welding.



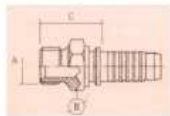


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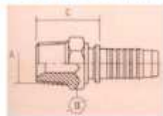
Hydraulic & Rubber Hoses.



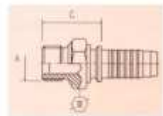
PITCHI END FITTINGS



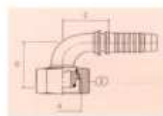
BSP SOLID MALE PARALLEL 60°



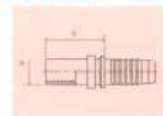
BSP SOLID MALE TAPERED



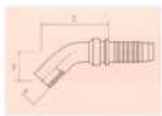
BSP SOLID MALE FLAT SEAT



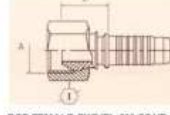
90° METRIC FEMALE O-RING HEAVY SOLID ONE PIECE (SLIP ON NUT)



METRIC STAND PIPE



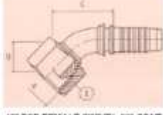
45° METRIC STAND PIPE SOLID ONE PIECE



BSP FEMALE SWIVEL 60° CONE (SLIP ON NUT)



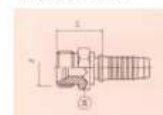
BSP FEMALE SWIVEL 60° CONE (CRIMPED NUT)



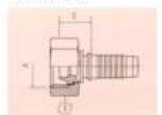
45° BSP FEMALE SWIVEL 60° CONE SOLID ONE PIECE (SLIP ON NUT)



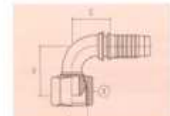
90° METRIC STAND PIPE SOLID ONE PIECE



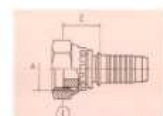
METRIC SOLID MALE 60° SEAT



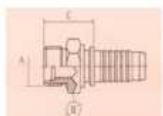
METRIC SWIVEL FEMALE 60° CONE (SLIP ON NUT)



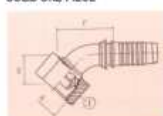
90° BSP FEMALE SWIVEL 60° CONE SOLID ONE PIECE (SLIP ON NUT)



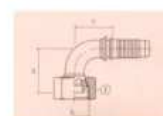
BSP FEMALE SWIVEL FLAT SEAT (SLIP ON NUT)



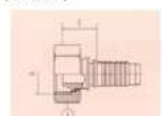
METRIC SOLID MALE 24° SEAT LIGHT



45° METRIC SWIVEL FEMALE 60° CONE SOLID ONE PIECE (SLIP ON NUT)



90° METRIC SWIVEL FEMALE 60° CONE SOLID ONE PIECE (SLIP ON NUT)



METRIC SWIVEL FEMALE MULTISEAL (SLIP ON NUT)



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Quality

Certification No. QMS-061387



#60-24, Gasan-dong, Geumcheon-gu, Seoul, Korea T. +82-2-867-2777

Certificate of Registration

This is to certify that the Quality Management System of

Pitchi Products Pvt. Ltd.

B-148, Phase-II, Noida, India

*Has been assessed successfully by SMR and
Conforms with the following standard :*

ISO 9001:2000

Scope of Registration

**Manufacturing and Exporting of Flexible Hoses, Chemicals, Pipes &
Pipe Fittings, Plastic Components and Printing Machines**

Exclusion : Clause 7.3

Sanjiv
President

JAS-ANZ



SMR is accredited by the JAS-ANZ
Acc. No. 9343010213

Issue date : 2006. 01. 13

Expiry : 2006. 01. 13 ~ 2009. 01. 12



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Type Test

TYPE TEST (STAINLESS STEEL FLEXIBLE HOSES)

Every single hose-assembly is tested hydraulically at 1.5 times working pressure before dispatch. Pneumatic testing is also carried out whenever necessary. All raw materials used in the manufacturer of hoses, braiding and end-connection undergo rigid inspection to ensure highest quality standards.

- **Burst Pressure or yield Test**
- **Flex Fatigue or cycle life test**
- **Flame Test**
- **Bend radius test**

TESTING AND CERTIFICATION

- **All unbraided Hoses are subjected to leak detection test using compressed air**
- **All assemblies are checked for dimensional accuracy and pressure tested**
- **Test certificates for pressure test carried out will be provided**
- **Test stipulated by BS 6501 : Part1 : 1991 / ISO 10380 : 1994 are conducted periodically**
- **Raw material test certificates showing the physical and chemical properties will be furnished on request**
- **The product can be supplied under any third party inspection**