

**FLEXIBLES AND CONNECTIONS
FROM
OM INDUSTRIES**



Stainless Steel Hose Assemblies



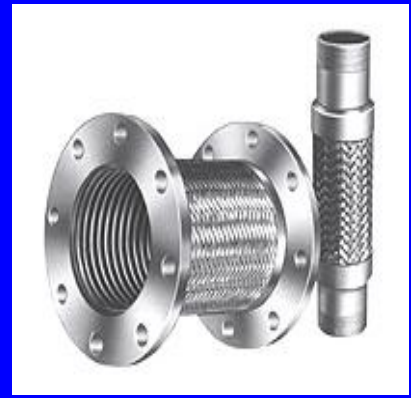
Strip Wound Interlock Hoses



Stainless Steel Corrugated Hoses



Hose Fittings



Pump Connectors

OM INDUSTRIES

An ISO9001:2008 Certified Company

Manufacturers & Exporter of S.S. Corrugated Hoses , Hoses Assembly & Fittings

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INTRODUCTION

We are one of the professionally managed unit for manufacturing of Stainless Steel Flexible Hose, Braiding & Hose Assemblies & Hoses Fittings. A large variety of Stainless Steel Flexible Hoses & Hose Assemblies, manufacture in austenitic steel are, AISI 321, 316, 316L, 304 grades conforming to international quality standards.

HOSES

Stainless Steel corrugated flexible hoses are offered from 1/4"NB to 10" NB .



BRAID

The braid is normally manufactured in SS 304 wire. However SS 316 braid can also be manufactured. We also supply wire braid in different configurations as per customer specifications.



ASSEMBLIES & WELDING

Our Hose assemblies are engineered to perfection in flexibility, strength and reliability. We can provide a corrugated stainless steel hose assembly that will meet your most demanding technical specification. The end connections are TIG welded to hose. Hose assemblies can be supplied as per customer design and specifications.







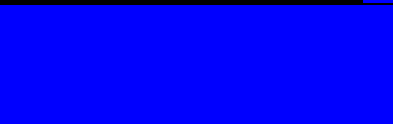



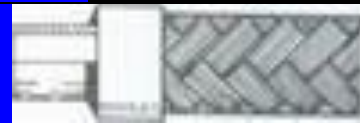


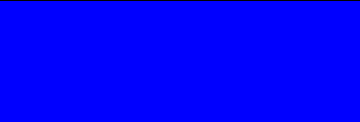
Hose Technical Data

| 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.

VARIOUS TYPES OF END CONNECTIONS

| | | |
|---|--|---|
|  |  |  |
| FIXED MALE (HEXAGON) | FEMALE UNION NUT/NIPPLE | FIXED FEMALE HEXAGON |
|  |  |  |
| FULL MALE UNION | 90° FEMALE SWIVEL ELBOW | FULL FEMALE UNION |
|  |  |  |
| THREADED PIPE END | WELDING STUB | PLAIN PIPE END |
|  |  |  |
| ROTATING FLANGE WITH STUB END | FIXED FLANGE (RF) | CAMLOCK COUPLING |

Strip Wound Interlock Hoses

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

Double Interlock Hoses



Square lock with out packing



Applications :-

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

PRODUCT SPECIFICATION

| S. No. | Size | ID (mm) | OD (mm) | Min. Bend Radius |
|--------|------|---------|---------|------------------|
| 1. | 28 | 28 | 32 | 150 |
| 2. | 30 | 30 | 34 | 155 |
| 3. | 32 | 32 | 36 | 170 |
| 4. | 35 | 35 | 39 | 185 |
| 5. | 40 | 40 | 45 | 210 |
| 6. | 45 | 45 | 50 | 255 |
| 7. | 50 | 50 | 55 | 255 |
| 8. | 55 | 55 | 60 | 265 |
| 9. | 60 | 60 | 66 | 275 |
| 10. | 75 | 75 | 82 | 325 |
| 11. | 80 | 80 | 88 | 330 |
| 12. | 85 | 85 | 92 | 340 |
| 13. | 90 | 90 | 98 | 350 |
| 14. | 100 | 100 | 106 | 475 |
| 15. | 150 | 150 | 162 | 650 |

QUALITY

We have complete in-house testing facilities for various types of tests, as per international standards for our range of supplies.

Every single hose-assembly is tested hydraulically at 1.5 times working pressure before dispatching. Pneumatic testing is also carried out whenever necessary. All raw material used in the manufacture of hoses, braiding and end-connections undergo inspection by trained & experienced engineers to ensure highest quality standards.

TESTING & 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 tests carried out will be provided. Test stipulated by BS 6501: Part-1 are conducted periodically. Raw material test certificates showing the physical and comical properties will be furnished on request.

ADVENTAGE OF FLEXIBLE METAL HOSE

- High physical strength combined with light weight
- Suitable for wide temperature range (-270° C to + 700°C).
- Good corrosion resistance. Resistance to fire, moisture, abrasion and penetration.
- Absorbs vibration and noise from pumps, compressors, engines etc.
- Compensates for intermittent or constant movement.
- Compensates for thermal expansion of contraction of piping.
- Corrects problems of misalignment.
- A flexible and quick alternative for piping in difficult locations.

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Manufacturers & Exporter of Stainless Steel Flexible Hoses , Hoses Assembly & Fittings

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