

RADCOFLEX INDIA (P) LTD.

Stainless steel Flexible Metallic hoses & Wire Braiding



RADCOFLEX – the company – the product and the service

Radcoflex India (P) Ltd., with 15 years of manufacturing experience, is recognized as the innovators in the design and manufacture of flexible metallic & Non metallic hoses. Through the effort of our own research and development we have steadily grown to be an internationally recognised manufacturer of a complete range of flexible hoses.

Radcoflex India Started with Composite hose & Pipe Support manufacturing unit at Chennai and Stainless Steel Flexible metal hose manufacturing was commissioned in 2012.

Introduction

Flexible Metal hose fulfils the needs of industry for application required the unique properties of metal – high strength and high resistance to temperature, corrosion and abrasion. There are two basic types of corrugated metal hose (Helical or annular Pitch). Radcoflex India engaged in manufacturing of only Annular corrugated metal hose. **Braiding Services:** We also sell braiding & we can braid your rubber / PVC or any type of hoses.

The Quality management System has been approved by Lloyds Register Quality Assurance (LRQA) ISO 9001:2008.

RADCOFLEX

flexible solutions

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Mechanically Formed Flexible metal Hose

Description

A corrugated flexible metallic hose with close pitch, low height corrugations mechanically formed from continuous in-line butt welded tube. A layer of close weave metallic wire braid is added to the outside of the hose to enhance the pressure capability of the hose.

Materials of construction

Hose: SS 304, SS 316, SS 321 Braid: SS 304, SS 316
Other grades on special order and for sufficient quantities.

Supply lengths – hose

Random length up to 50 meters depending upon the diameter.



SIZE	ID	OD	PITCH IN MM			NO OF CONVLUTIONS / Meter			MIN BEND RADIUS (MM)		MAX. WORKING PR. IN KG/CM2		
			A FLEX	B FLEX	C FLEX	A FLEX	B FLEX	C FLEX	STATIC	FLEXING	BARE HOSE	SINGLE BRAID	DOUBLE BRAID
1/4"	8.0	12.2	3.4-3.6	3.0-3.6	2.5-2.7	285	322	384	30	100	9	80	150
3/8"	11.3	15.8	3.6-3.8	3.0-3.2	2.6-2.8	270	304	370	40	150	8	70	140
1/2"	12.5	17.3	4.0-4.2	3.5-3.7	2.8-3.0	245	278	345	50	200	8	70	140
5/8"	16.5	22.3	4.8-5.0	4.2-4.4	3.4-3.6	204	233	285	70	200	6	65	110
3/4"	19.3	25.2	5.0-5.2	4.4-4.6	3.7-3.9	196	222	264	90	200	6	60	100
1"	25.4	31.7	4.6-4.8	4.0-4.2	3.4-3.6	213	244	285	80	200	5	50	85
1 1/4"	32.0	40.0	6.8-7.0	6.0- 6.2	5.2- 5.4	144	164	188	105	255	3	40	70
1 1/2"	40.0	50.0	7.6-7.8	6.8-7.0	5.8- 6.0	130	145	170	125	275	3	30	50
2"	50.0	60.0	8.4-8.6	7.4- 7.6	6.5-6.7	117	133	151	170	350	3	25	45
2 1/2"	65.0	78.0		8.6-8.8			115		195	415	2	22	36

GENERAL TOLERNACE: ±0.30MM FOR OD & ID. ± 10CONS PER METER

Hydraulic Formed Flexible metal Hose

Description

A corrugated flexible metallic hose with standard pitch annular corrugations, hydroformed from butt welded precision tube. The depth and shape of the corrugation provides good flexibility and cycle life. For pressure applications, one or two layers of metallic wire braid are applied directly to the hose, using a close weave braid at the optimum angle.

Materials of construction

Hose: SS 304, SS 316, SS 321
Braid: SS 304, SS 316,
Other grades on special order and for sufficient quantities.

Supply lengths – hose

Standard mill 4 meter lengths (without welding joint), longer lengths are available on special order. Wire braiding is supplied in continuous lengths



SIZE	ID	OD	PITCH IN MM	CON. PER METER	MIN BEND RADIUS (MM)		Max. Working pr. In KG/CM2		
					Static	Flexing	Bare hose	Single braid	Double braid
1 1/4"	32	40	6.0 ~ 6.2	164	105	255	3	40	70
1 1/2"	40	50	6.8 ~ 7.0	145	125	275	3	30	50
2"	50	60	7.4 ~ 7.6	133	170	350	3	25	45
2 1/2"	65	79	8.6 ~ 8.8	115	195	415	3	22	36
3"	76	90	9.5 ~ 9.7	104	210	455	3	18	30
4"	100	118	10.2 ~ 10.4	97	240	560	2	15	25
6"	150	175	12.4 ~ 12.7	80	320	815	2	12	20
8"	200	230	14.7 ~ 15.0	68	435	1015	2	10	16

GENERAL TOLERNACE: ±0.30MM FOR OD & ID. ± 10CONS PER METER

Pump Connectors - corrugated metal hose

Description

Radcoflex manufacture a standard range of off the shelf pump connectors for customers requiring quick delivery. PCE pump connectors are suitable for absorbing minor vibrations and reducing noise. They are easily installed and reduce the possibility of pump failure.

Manufacture

PCE pump connectors are manufactured from stainless steel braided corrugated hose and are fitted with steel flanges. The attachments of fittings are TIG welded.

Standard length 150mm - for minor vibrations. As per customer Requirement.



Description

Corrugated flexible metal hose with close pitch annular corrugations from a heavy wall butt-welded tube. **The hose is re-inforced by two metallic wire braids.** The second layer of braid is from heavier gauge stainless steel wire to ensure optimum pressure capability.

Principal applications

Conveyance of all fluids within a wide range of temperatures -static assemblies or cyclic motions. HPC being inherently leakproof is ideal for high pressure and heavy duty applications in many instances replacing high pressure rubber hydraulic hose in high temperature.



For any Queries / requirements Pls. Contact:

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