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FLEXIBLE TUBING LTD

STAINLESS STEEL RUBBER PACKED INTERLOCK



STAINLESS STEEL RUBBER PACKED INTERLOCK FLEXIBLE METAL HOSE

Stainless Steel Rubber Packed Interlock combines the mechanical strength and flexibility of stripwound metal tubing with enhanced air-tightness provided by rubber packing between the interlocked metal profile.

The combination of stainless steel construction and internal rubber packing provides a flexible, durable hose with improved sealing for exhaust systems, pneumatic transfer, ducting, extraction and protective applications.

Operating Temperature: -40°C to +130°C
Silicone Packing: Available on request for temperatures up to +250°C
Available Internal Diameters: 20mm to 457mm
Alternative Lengths: Available on request

Please note the diameters listed below are all **inside diameters. Please check this before ordering.*

We can manufacture alternative lengths, as required - please contact us for non-standard lengths.

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PRODUCT DETAILS

Stainless Steel Rubber Packed Interlock – Product Details

Stainless Steel Rubber Packed Interlock is a flexible stripwound metal hose that combines mechanical strength and flexibility with enhanced air-tightness.

Rubber packing is positioned between the interlocked metal profile to provide improved sealing while retaining the flexibility and durability of stripwound metal tubing.

Key Features

- Stainless steel interlocked metal hose construction
- Rubber packing between the interlocked metal profile
- Enhanced air-tightness
- Improved sealing
- Flexible and durable construction
- Operating temperature from -40°C to +130°C
- Silicone packing available on request for temperatures up to +250°C
- Available in internal diameters from 20mm to 457mm
- Alternative lengths can be manufactured on request

All listed hose diameters refer to the internal diameter (ID).

Manufacturing Tolerances

For tubing up to and including 76mm ID, the manufacturing tolerance is +0.5mm / -0.0mm.

For tubing over 76mm ID, the manufacturing tolerance is +1.0mm / -0.0mm.

TECHNICAL DATA

Manufacturing tolerances – All metallic tubing is manufactured to ID sizes, tolerances are + 0.5mm, – 0.0mm – up to 76mm ID, + 1.0mm, – 0.0mm – anything over 76mm ID.

I/D INCHES	I/D MM	O/D MM	INSIDE BEND RADIUS	WEIGHTS (KG) PER 100M
3/4″	20	24	100	40
7/8″	22	26	104	44
1″	25	29	109	48
1.1/8″	28	32	116	53
1.1/4″	32	36	125	61

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1.3/8″	35	39	96	70
1.1/2″	38	42	105	75
1.5/8″	41	45	114	80
1.3/4″	45	49	123	85
1.7/8″	48	52	131	90
2″	51	55	140	95
2.1/8″	54	58	149	100
2.1/4″	57	61	157	105
2.3/8″	60	64	166	110
2.1/2″	63	67	175	115
2.3/4″	70	74	193	125
3″	76	82	265	215
3.1/8″	79	85	273	223
3.1/4″	83	89	280	231
3.3/8″	86	92	288	239
3.1/2″	89	95	295	247
3.5/8″	92	98	303	255
3.3/4″	95	101	310	263
3.7/8″	98	104	318	271
4″	102	108	332	279
4.1/4″	108	114	347	295
4.1/2″	114	120	358	310
4.3/4″	121	127	372	325
5″	127	133	386	339
5.1/2″	140	146	413	368
6″	152	158	441	398
7″	178	184	500	458

8″	203	209	559	519
9″	229	235	618	579
10″	254	260	678	641
11″	279	285	737	700
12″	305	311	855	764
13″	330	336	914	822
14″	356	362	974	882
15″	381	387	1034	943
16″	406	412	1094	1004
17″	432	438	1154	1065
18″	457	463	1214	1125

APPLICATIONS

Stainless Steel Rubber Packed Interlock Hose Applications

Stainless Steel Rubber Packed Interlock is suitable for a range of exhaust, transfer, ducting and protective applications where flexibility, durability and enhanced leak-tightness are required.

Typical applications include:

- **Engine & Generator Exhaust Systems** – suitable for exhaust systems within the automotive, marine and power generation sectors
- **Pneumatic Transfer Lines** – suitable for transferring powders, pellets, grains and other bulk materials in industrial plants or transport vehicles
- **Flexible Ducting** – suitable for ventilation, air extraction and fume control applications where enhanced leak-tightness is required
- **Protective Sheathing** – suitable for protecting cables, sensor wires or hydraulic lines in environments subject to vibration, impact or heat
- **Hose & Assembly Liners** – can be used as a liner within other hoses or corrugated hose assemblies for additional abrasion resistance or as a bend restrictor

FAQS

Frequently Asked Questions About Stainless Steel Rubber Packed Interlock

What is Stainless Steel Rubber Packed Interlock?

Stainless Steel Rubber Packed Interlock is a flexible stripwound metal hose with rubber packing positioned between the

interlocked metal profile. This combines the mechanical strength and flexibility of metal tubing with enhanced air-tightness and improved sealing.

What is the operating temperature of Stainless Steel Rubber Packed Interlock?

The standard operating temperature range is -40°C to +130°C.

Is a higher temperature packing available?

Yes. Silicone packing is available on request for applications requiring temperatures up to +250°C.

Is Stainless Steel Rubber Packed Interlock suitable for exhaust systems?

Yes. Typical applications include engine and generator exhaust systems within the automotive, marine and power generation sectors.

Can Rubber Packed Interlock be used for pneumatic material transfer?

Yes. The hose is suitable for pneumatic transfer lines carrying powders, pellets, grains and other bulk materials in industrial plants or transport vehicles.

Can it be used for ventilation and extraction?

Yes. Stainless Steel Rubber Packed Interlock can be used as flexible ducting for ventilation, air extraction and fume control where enhanced leak-tightness is required.

Can Rubber Packed Interlock be used as protective sheathing?

Yes. It can be used as a protective sheath for cables, sensor wires or hydraulic lines in environments subject to vibration, impact or heat.

Can it be used as a liner inside another hose?

Yes. Rubber Packed Interlock can be used as a liner in other hoses or corrugated hose assemblies to provide additional abrasion resistance or act as a bend restrictor.

What sizes are available?

The current technical data covers internal diameters from 20mm to 457mm. All listed diameters refer to the inside diameter (ID).

Can alternative lengths be manufactured?

Yes. Whitehouse can manufacture alternative lengths as required. Contact Whitehouse for non-standard lengths.