



**WHITEHOUSE**  
FLEXIBLE TUBING LTD

## STAINLESS STEEL GRIPLOCK



### Construction

Griplock is made from a single metal strip that is wrapped round a mandrel with a fully interlocked section. This stripwound metal hose construction provides:

**EXCELLENT FLEXIBILITY / HIGH MECHANICAL STRENGTH / GREAT FLOW CHARACTERISTICS**

### Primary Applications

Griplock is a highly versatile hose that is used extensively in industry particularly for:

**DUCTING & EXTRACTION / EXHAUSTS / MATERIAL HANDLING / PROTECTIVE CASINGS etc.**

### Max Operating Temperature

+650 Degrees 'C' Max

[Order non-standard lengths here](#)

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



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We can manufacture to intermediary sizes where required. If your size is not listed, please contact us.

## TECHNICAL DATA

I/D INCHES	I/D MM	O/D MM	INSIDE BEND RADIUS	WEIGHTS (KG) PER 100M
1/4"	6	8	33	10
5/16"	8	10	40	15
3/8"	10	12	49	18
1/2"	12	15	68	23
5/8"	16	19	73	31
3/4"	20	23	79	34
7/8"	22	25	85	38
1"	25	28	90	40
1.1/8"	28	32	115	48
1.1/4"	32	36	120	55
1.3/8"	35	39	125	60
1.1/2"	38	42	130	65
1.5/8"	41	45	142	70
1.3/4"	45	49	153	77
1.7/8"	48	52	164	82
2"	51	55	175	87
2.1/8"	54	59	189	97
2.1/4"	57	62	204	103
2.3/8"	60	65	218	108



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2 1/2"	63	68	232	114
2 3/4"	70	75	260	126
2 7/8"	73	78	262	132
3"	76	81	264	171
3 1/8"	79	85	273	177
3 1/4"	83	89	283	186
3 3/8"	86	92	295	193
3 1/2"	89	95	305	200
3 5/8"	92	98	318	206
3 3/4"	95	101	328	213
3 7/8"	98	104	339	220
4"	102	108	345	229
4 1/4"	108	114	368	242
4 1/2"	114	120	388	256
4 3/4"	120	126	406	269
5"	127	133	424	285
5 1/4"	133	139	426	298
5 1/2"	140	146	469	314
6"	152	158	510	341
7"	178	184	590	399
8"	203	209	673	455
9"	229	235	755	514
10"	254	260	838	793
11"	279	285	919	871
12"	305	311	1000	952
13"	330	336	1085	1030
14"	356	362	1169	1111



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15"	381	387	1250	1189
16"	406	412	1334	1267
17"	432	438	1418	1348
18"	457	463	1500	1426

## APPLICATIONS

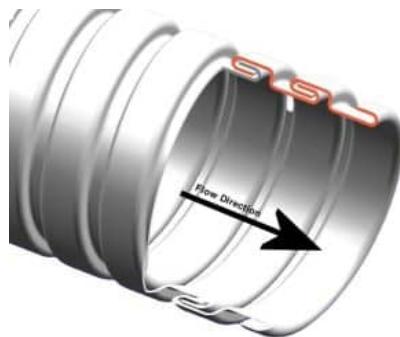
### Typical Applications:

Griplock tubing has high tensile strength and strong resistance to crushing. This tube is particularly well suited to absorbing vibration, thermal expansion and noise attenuation. Ducting of air, smoke, fumes, etc. Dry bulk handling; ash, dust, paper trim, grain, plastic pellets, etc. Protective capillary casing of instrument cables, wires, etc.

## SPECIAL FEATURES

### Special Features

Griplock is available 'Loose / Floppy', 'Stiff / Stayput' up to 76mm ID. If it is not required to be especially floppy or stayput the tubing is supplied with Medium Flexibility (Mid Flex) as standard. All sizes over 76mm ID will be supplied mid-flex. Please state the flexibility required in the notes section when placing your order.



**Flow Direction**

Our Griplock tubing provides a smooth surface particularly in one direction due to the design of its section. We recommend that our customers ensure that the media flow through our tubing follows the Flow Direction of the Hose. There are many benefits to this including protection of the media and tube in addition to ensuring Optimum Flow Characteristics. In addition, it helps prevent damage to the media or tube when used in conjunction with abrasive materials such as plastic pellets.

### Flexibility

Griplock is available 'Loose / Floppy', 'Stiff / Stayput' up to 76mm ID. If it is not required to be especially floppy or stayput the tubing is supplied with Medium Flexibility (Mid Flex) as standard. All sizes over 76mm ID will be supplied mid-flex. Please state the flexibility required in the notes section when placing your order.



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### **Stiff**

By 'squashing' the tube during manufacture it creates a stiff product tube with increased air tightness & 'stayput' properties

### **Midflex**

Our standard product is manufactured 'midflex' which is most popular and is ideal for most applications.

### **Floppy**

By loosening the pressure on the tools during manufacture we produce a tube with maximum flexibility that moves freely.

## **ASSEMBLIES**

We offer a wide range of made to order assemblies. Use our Assemblies RFQ to select from standard end fittings such as;

- Flange
- Threaded end adapter
- Unicone end
- Plain spigot end
- Other

For non-standard end fittings please select Other and provide details or submit your drawings.

[Assembly RFQ form](#)

## **VIDEO**

<https://flexible-tubing.com/wp-content/uploads/2022/11/griplock-use-example.mp4>

Our Griplock Product in the agricultural sector