



**WHITEHOUSE**  
FLEXIBLE TUBING LTD

## STAINLESS STEEL POLYLOCK



Polylock is manufactured from a single stainless steel metal strip, precision-formed around a mandrel to create a fully interlocked section. Built-in flats in the hose wall deliver excellent anti-torsion performance, preventing the hose from twisting or unwinding during processing. This stripwound metal hose design ensures:

- Great Flexibility
- High Mechanical Strength
- Long Service Life

### Primary Applications

Polylock is a versatile industrial hose ideal for a wide range of high-temperature and heavy-duty uses, including:

- Vehicle and industrial exhaust systems
- Ducting and fume extraction
- Material handling and abrasion-resistant transfer

### Maximum Operating Temperature

Polylock is engineered to withstand temperatures up to +650°C, making it suitable for extreme heat applications.

*Please note: All listed diameters refer to internal diameter (ID). Please confirm sizing before ordering.*

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



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## TECHNICAL DATA

I/D INCHES	I/D MM	O/D MM	INSIDE BEND RADIUS	WEIGHTS (KG) PER 100M
1.1/4"	32	36	165	59
1.3/8"	35	39	170	65
1.1/2"	38	42	174	70
1.5/8"	41	45	177	76
1.3/4"	44	48	184	83
1.7/8"	48	52	189	90
2"	50	54	193	100
2.1/8"	54	58	200	108
2.1/4"	57	61	215	113
2.3/8"	60	64	227	118
2.1/2"	63	67	250	123
2.5/8"	67	71	267	132
2.3/4"	70	74	277	140
3"	76	80	300	150

## APPLICATIONS

### Typical Applications

Polylock is suitable for Conveyance, Ducting & Extraction and Materials Handling.

## SPECIAL FEATURES

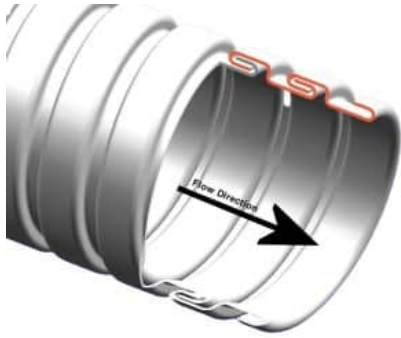
### Special Features

Polylock has a series of flats built into the hose wall to provide anti-torsion properties which prevents the hose from unwinding



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when cut. There is no need for tack welding which makes it easier to process on site.



### Flow Direction

Our Polylock hose 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.

## 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
- Unicorn end
- Plain spigot end
- Other

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

[Assembly RFQ form](#)