INTERLOCKED EXHAUST HOSE

INTERLOCKED EXHAUST HOSE CROSS SECTION

DESCRIPTION

Penflex exhaust hoses are produced in a wide range of ID sizes, metals and weights. This range is available to provide the right hose for the application at the most economical cost. Interlocked exhaust hose utilizes a fully interlocked construction for strength and durability while allowing the hose to have excellent flexing characteristics. The normal configuration of exhaust hose is unpacked and fully extended. In order to minimize leakage, however, exhaust hose can be supplied packed upon request.

END FITTINGS

Standard pipe couplings, nipples and fixed or floating flanges can be attached to exhaust hose. Any special type of fitting can be adapted to fit this hose. Attachment can be by welding, brazing or with adhesives. Additionally, hose clamps and automotive muffler clamps can be used.

SPECIFICATIONS

Penflex exhaust hoses are produced in 304 stainless steel as standard. Other alloys may be available upon special request. The strip thickness and thus the hose weight can be selected to match the application depending upon the degree of rough handling and the abrasive conditions of the service. Penflex makes three different weights of exhaust hose as indicated in the following tables.

SERIES	WEIGHT DESIGNATION	STRIP THICKNESS
IE30	LIGHT	0.254 TO 0.305
IE50	STANDARD	0.457 TO 0.508

The size range of exhaust hose is from DN12 to DN200 inside diameter. For sizes larger than DN200, use the standard conveyor hose (up to DN500).

APPLICATIONS

Some typical uses of exhaust hose are: engine exhaust and vacuum and collection service, conveying, ventilating lines, and protective casing for cable and tubing.

IE30 Interlocked Exhaust Hose

Strip Thickness 0.254/0.305

NOMINAL DIAMETERS (MM)		MINIMUM COILING DIAMETER (MM)	WT/M (KG)
INSIDE	OUTSIDE		
12.70	15.49	152	0.34
19.05	21.18	178	0.48
25.40	28.19	229	0.61
31.75	35.18	279	0.65
38.10	40.89	330	0.80
44.45	47.24	381	0.94
50.80	53.59	432	1.07
57.15	59.94	483	1.19
60.33	64.52	508	1.26
63.50	66.29	533	1.32
69.85	72.64	584	1.43
73.03	78.31	635	1.49
76.20	78.99	660	1.58
88.90	91.69	762	1.85
101.60	106.68	864	2.10
127.00	132.46	1067	2.62
139.70	144.78	1168	2.89
152.40	155.19	1270	3.14
177.80	180.59	1473	3.66
203.20	205.99	1676	4.17

IE50 Interlocked Exhaust Hose

Strip Thickness 0.457/0.508

NOMINAL DIAMETERS (MM)		MINIMUM COILING DIAMETER (MM)	WT/M (KG)
INSIDE	OUTSIDE		
25.00	30.99	432	1.04
38.10	42.16	432	1.28
44.45	48.51	483	1.49
51.00	55.88	559	1.68
57.15	63.37	635	1.89
63.50	67.56	686	2.08
69.85	73.91	737	2.29
76.00	80.26	813	2.49
88.90	92.96	965	2.90
102.00	107.44	1092	3.30
127.00	131.06	1346	4.11
152.00	156.46	1600	4.91
178.00	181.86	1880	5.73
203.00	207.26	2134	6.53

NOTES

1. Tabulated weights apply to stainless steel.
2. Intermediate sizes, alloys and flexibility characteristics are all subject to quotation from the factory.
3. Dimensional Tolerance is +/- .508”