

SUCTION AND TRANSPORT HOSE - MEDIUM WEIGHT



1.2.3

FLAMEX H

Material

hose wall: 100 % pure polyester polyurethane with addition of flame protection. 30% more abrasion-resistant than polyether polyurethane
spiral: PU-coated spring steel wire

Applications

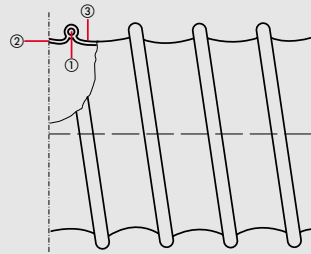
- transport hose for abrasive solids in fire risk areas
- woodworking machines
- exhaust equipment in wood-working industries
- protection hose against mechanical pressure

Properties

- conforms to the requirements of the German Professional Woodworking Association
- flame resistant
- highly abrasion-resistant
- resistant to oil and fuels
- gas-tight
- good chemical resistance
- resistant to solvents
- free of plastizisers and halogens
- UV- and ozone-resistant
- very flexible; light weight
- small bend radius
- improved pressure and vacuum characteristics
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral

Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .055"



Temperature Range

- -40°F up to +195°F
- intermittent to +260°F

Chem. Resistance

see resistance table section no. 15

Technical Data, custom designs and forms of delivery see back page

 **Masterduct**
Member of the Masterflex-Group

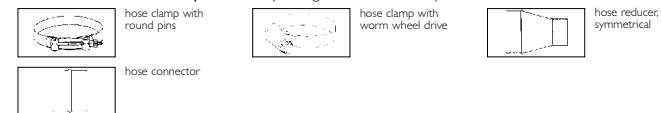
FLAMEX H

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.00	1,166	320	3.48	2.44	0.37576	323-050-601
2.40	1,025	300	4.08	2.80	0.44286	323-060-601
2.60	965	270	4.48	3.00	0.48312	323-065-601
2.80	904	270	4.68	3.20	0.51667	323-070-601
3.00	804	240	5.04	3.48	0.55022	323-075-601
3.20	804	240	5.28	3.64	0.58377	323-080-601
3.60	663	210	5.96	4.04	0.65087	323-090-601
4.00	603	180	6.60	4.48	0.72468	323-100-601
4.40	543	180	7.16	4.84	0.79178	323-110-601
4.60	543	125	7.44	5.04	0.82533	323-115-601
4.80	522	125	7.76	5.24	0.86559	323-120-601
5.00	522	125	8.12	5.52	0.89914	323-125-601
5.20	522	125	8.36	5.64	0.93269	323-130-601
5.60	422	100	8.96	6.04	1.04676	323-140-601
6.00	422	100	9.68	6.52	1.11386	323-150-601
6.40	362	100	10.20	6.84	1.18767	323-160-601
6.80	362	75	10.80	7.24	1.26148	323-170-601
7.00	362	75	11.12	7.44	1.29503	323-175-601
7.20	301	75	11.40	7.64	1.33529	323-180-601
8.00	301	75	12.84	8.60	1.91906	323-200-601
9.00	241	50	14.12	9.48	2.15391	323-225-601
10.00	241	50	15.60	10.52	2.38876	323-250-601
11.00	181	50	17.04	11.52	2.62361	323-275-601
11.20	181	50	17.40	11.72	2.67058	323-280-601
12.00	181	50	18.6	12.52	2.85846	323-300-601
12.60	181	50	19.52	13.12	2.99937	323-315-601
13.00	181	50	20.12	13.52	3.09331	323-325-601
14.00	181	50	21.60	14.52	3.32816	323-350-601
16.00	121	27	24.60	16.52	3.79786	323-400-601

* Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Installation and connection possibilities (see register no. 11 and 12):



Delivery forms:

Standard production:

- Dia. 2" - 16"
- Color clear
- Standard lengths 25'

Available on request:

- with overprint
- special colors
- special lengths



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CARFLEX SUPER + MASTER-PUR STEP



CAR-GRIP

Material

clamp band: galvanized steel
screw casing: galvanized steel
bridge: stainless steel

Properties

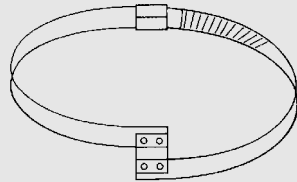
- rust resistant
- easy to install
- extra strength

Applications

- special hose clamps for securing CARFLEX SUPER and MASTER-PUR STEP hoses on mobile and stationary units

Construction

Hose clamp with worm drive with hexagon recessed head screw and spot-welded bridge



Technical Data, custom designs and forms of delivery see back page

CAR-GRIP

for CARFLEX-SUPER and MASTER-PUR STEP (Dia.)	Clamping range (in.)	Product code
2.4" thru 10"	2.4" thru 12"	531-060-100 thru 531-250-100

Note:

CAR-GRIP worm drive hose clamps are only suitable for securing CARFLEX SUPER hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:

- clamping ranges from 2.4" - 12"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE REDUCER



11.5

HOSE REDUCER

Material

galvanized steel

Applications

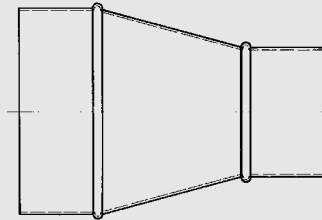
- for extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

reducer of rolled sheet steel with beadings on both ends



Technical Data, custom designs and forms of delivery see back page

HOSE REDUCER

(Dia. 1)	(Dia. 2)	S Ga.	L1 (in.)	L2 (in.)	Product code
3" thru 12"	2" thru 10"	24	3.5"	3"	632-080-050 thru 632-300-250

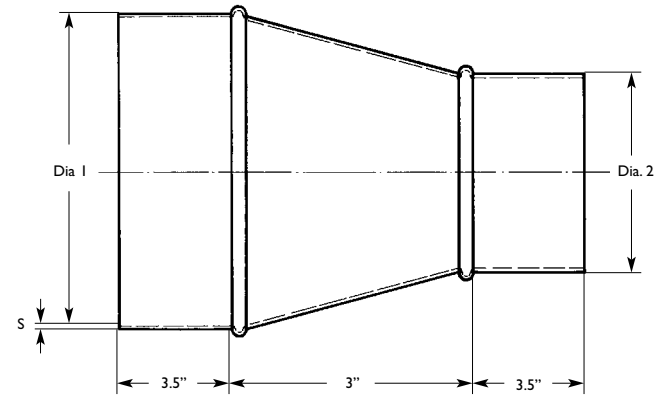
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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HOSE CONNECTOR



11.6

HOSE CONNECTOR

Material

galvanized steel

Applications

- extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

rolled sheet steel with beandings



Technical Data, custom designs and forms of delivery see back page

HOSE CONNECTOR

(Dia.)	Ga.	L (in.)	Product code
2" thru 36"	24	3.5"	630-050-100 thru 630-900-100

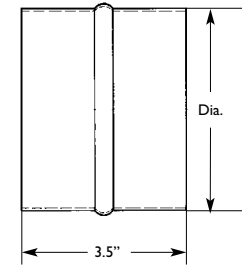
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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