

SUCTION AND TRANSPORT HOSE - LIGHTWEIGHT



I.1.2

MASTER-PUR L

Material

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

Properties

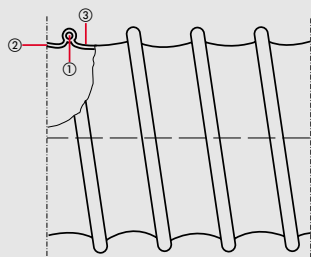
- highly abrasion-resistant
- resistant to oil and fuels
- gas-tight
- good chemical resistance
- free of plastizers and halogens
- UV- and ozone-resistant
- lightweight
- extremely flexible
- small bend radius
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral

Applications

- suction and transport hose for abrasive materials
- gaseous and liquid media
- suction of paper and textile fibers
- transport of small particled dusts and powders
- oil-spray extraction
- protection hose against mechanical pressure

Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .0275"



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

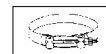
MASTER-PUR L

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.0	675	210	2.32	2.32	0.23485	312-050-401
2.4	563	180	2.72	2.72	0.30866	312-060-401
2.6	506	150	2.92	2.92	0.32879	312-065-401
2.8	450	150	3.12	3.12	0.35563	312-070-401
3.0	450	120	3.36	3.36	0.39589	312-075-401
3.2	394	120	3.52	3.52	0.42273	312-080-401
3.6	338	90	3.96	3.96	0.46970	312-090-401
4.0	338	90	4.40	4.40	0.52338	312-100-401
4.4	281	90	4.76	4.76	0.57035	312-110-401
4.6	281	90	4.96	4.96	0.59719	312-115-401
4.8	281	90	5.16	5.16	0.62403	312-120-401
5.0	281	90	5.40	5.40	0.65087	312-125-401
5.2	225	90	5.56	5.56	0.67100	312-130-401
5.6	225	60	5.96	5.96	0.83204	312-140-401
6.0	225	60	6.44	6.44	0.88572	312-150-401
6.4	225	60	6.80	6.80	0.98637	312-160-401
6.8	169	60	7.20	7.20	0.99979	312-170-401
7.0	169	60	7.40	7.40	1.03334	312-175-401
7.2	169	60	7.60	7.60	1.06018	312-180-401
8.0	169	60	8.56	8.56	1.09373	312-200-401
9.0	113	30	9.40	9.40	1.22793	312-225-401
10.0	113	30	10.40	10.40	1.36213	312-250-401
11.0	113	30	11.36	11.36	1.49633	312-275-401
11.2	113	30	11.60	11.60	1.52317	312-280-401
12.0	100	27	12.40	12.40	1.63053	312-300-401
12.6	100	27	13.00	13.00	1.71105	312-315-401
13.0	100	27	13.40	13.40	1.76473	312-325-401
14.0	52	27	14.40	14.40	1.89893	312-350-401
16.0	52	21	16.40	16.40	2.16733	312-400-401

* 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):



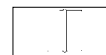
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector



Pacific Air Consultants, Inc.

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CARFLEX SUPER + MASTER-PUR STEP



11.2

CAR-GRIP

Material

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

Properties

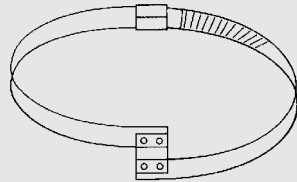
- rust resistant
- easy to install
- extra strength

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

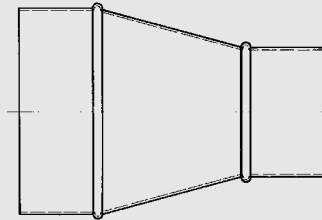
- for extending, connecting and attaching lightweight or medium weight hoses

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

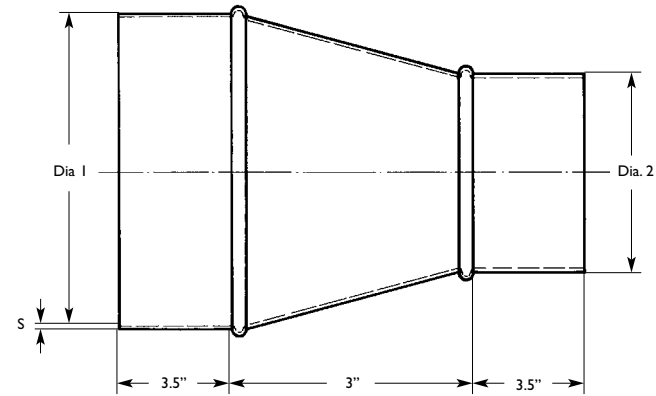
Delivery forms:

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

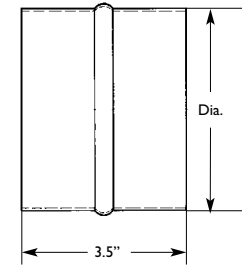
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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