

# SUCTION AND TRANSPORT HOSE - GENERAL PURPOSE APPLICATIONS - LIGHT/MEDIUM WEIGHT



## MASTER-SANTO L

### Material

**hose wall:** santoprene coated polyester fabric  
**spiral:** spring steel wire

### Applications

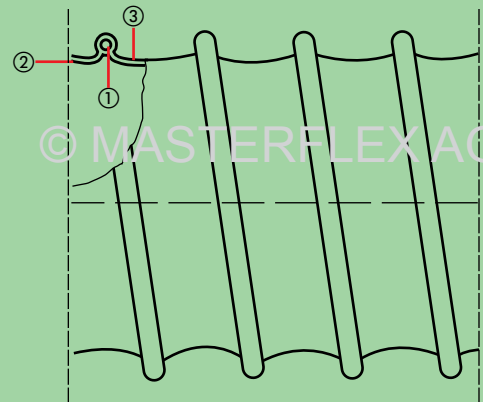
- dust collection on woodworking equipment
- fume extraction/welding arm
- drying/plastics equipment
- air systems, cooling-heating
- light material handling
- drain
- robotic arm covers
- general purpose applications

### Properties

- good tear resistance
- improved puncture resistance
- outstanding flex fatigue resistance
- good chemical resistance to alkalis, acids and solvent gases
- gas-tight
- free of plastiziers
- free of halogen
- UV-and ozone-resistant
- lightweight
- extremely flexible
- smooth inside, for optimum flow characteristics
- small bend radius
- electrically conductive by grounding spiral

### Construction

- ① coated spring steel spiral
- ② hose wall: santoprene coated polyester fabric
- ③ wall thickness between spirals 0.0197"



### Temperature Range

- -60 °F up to +275 °F
- intermittent to +300 °F

### Chem. Resistance

see resistance table

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



**Masterduct**  
Member of the Masterflex-Group

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Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.00	883	315	2.32	2.32	0.21350	361-050-109
2.50	602	274	2.92	2.92	0.28060	361-063-109
3.00	482	236	3.36	3.36	0.35990	361-075-109
3.50	361	157	3.96	3.96	0.42250	361-090-109
4.00	361	157	4.40	4.40	0.47580	361-100-109
4.50	321	138	4.96	4.96	0.49500	361-115-109
5.00	321	138	5.56	5.56	0.51590	361-125-109
6.00	241	118	6.44	6.44	0.63650	361-150-109
7.00	200	98	7.60	7.60	0.73700	361-175-109
8.00	200	79	8.56	8.56	1.12560	361-200-109
9.00	160	71	9.40	9.40	1.19260	361-225-109
10.00	160	64	10.40	10.40	1.25600	361-250-109
11.00	130	58	11.36	11.36	1.68885	361-275-109
12.00	120	49	12.40	12.40	1.84250	361-300-109
14.00	80	34	14.40	14.40	2.13730	361-350-109
16.00	70	20	16.40	16.40	2.44550	361-400-109

## Delivery forms:

### Standard production:

- Dia. 2" - 16"
- Color: hose wall black with yellow spiral
- Standard lengths 25'

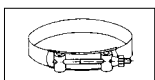
### Available on request:

- special wire colors
- special lengths up to 50'
- special diameters - metric

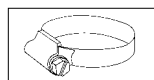
\* Referring to the inner side of the elbow of hose.

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.

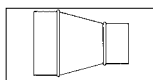
## Installation and connection possibilities:



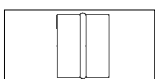
hose clamp with round pins



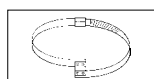
hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector



CAR-GRIP special hose clamp