

SUCTION AND TRANSPORT HOSE - ULTRA HEAVY WEIGHT



MASTER-PUR HH

Material

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

Applications

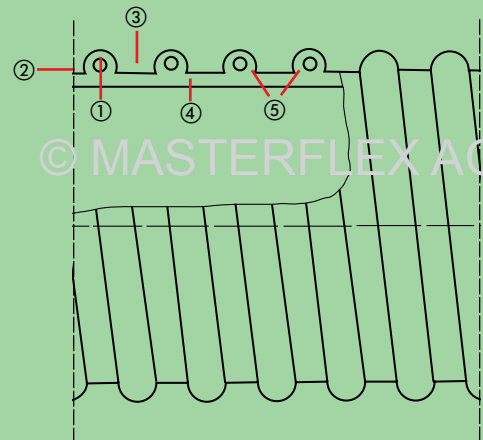
- suction and transport hose
- for silo trucks and loading equipment
- special construction for extremely abrasive bulk and solids
- transport hose for difficult materials, such as sand, gravel, grain
- for highest demands of service-life and abrasion resistance
- transport hose for abrasive solids in fire risk areas
- woodworking machines
- exhaust equipment in wood-working industries
- suction and transport hoses for abrasive solids where resistance to microbes is necessary for example:
- rear suction hoses on small machines, public utility cleansing and refuse collection vehicles
- lawn mowers
- lawn sweepers
- leaf suction machines
- feed transport

Properties

- extremely abrasion resistant by selective reinforcement below the spiral
- long service life
- smooth inside, for optimum flow characteristics
- high tensile and rupture strength
- high vacuum and pressure rating
- gas-tight
- free of plastizisers
- free of halogens
- good chemical resistance
- resistant to oil and fuels
- UV- and ozone resistant
- electrically conductive by grounding spiral
- flame resistant
- microbe resistant

Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .078"
- ④ inner hose wall smooth
- ⑤ spirals close together



Temperature Range

- -22°F up to +195°F
- intermittent to +260°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	1,600	380	05.00	2.48	00.57	314-050-401
2.50	1,325	360	06.50	3.03	00.87	314-063-401
3.00	1,170	360	07.50	3.42	01.13	314-075-401
3.50	965	360	09.00	4.05	01.34	314-090-401
4.00	840	350	10.00	4.44	01.48	314-100-401
4.50	720	350	11.50	5.08	01.73	314-115-401
5.00	660	350	12.50	5.47	01.91	314-125-401
5.50	600	330	14.00	6.06	02.15	314-140-401
6.00	600	330	15.00	6.45	02.42	314-150-401

Delivery forms:

Standard production:

- Dia. 2" - 6"
- Color: clear
- Standard lengths 25'

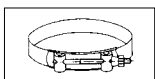
Available on request:

- colored
- special lengths available
- hydrolysis-proof
- electrically conductive
- food grade
- 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,
bolt clamp