Master-PUR HX EL

Article Master No.: 000159

PU Suction & Transport Hose, flexible, highly abrasion-proof and vacuum-proof, electroconductive

antistatic | electrically conductive | moderately flexible | heavy | very pressure resistant

Product Details

Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of electrically conductive material, made of specified material, extremely abrasion resistant due to specific reinforcement underneath the spiral, wall thickness between the spirals approx. 2.0 mm
- Material of the wall: polyester polyurethane
- Specifications of the wall: surface resistance $R_o < 10^3$ Ohm
- Specifications of the inner layer: smooth inner lining for optimized flow characteristics

Properties

- Specifications of the product: complies with DIN 26057 Type IV, according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance
- Flexibility: moderately flexible
- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: black

- Other: high vacuum and peak pressure resistance

Operating Temperature

- Temperature Range: -40 to 90 °C
- short-term maximum temperature: peaks to 125 °C

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters and lengths also ex-stock

Application Areas

- Areas of application: Surface Technology

Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint

Article Variants

Extended Article Number	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000159:32:x	32	42	/	0.69	4.85	0.94	20.00	/	5 / 10 / 15 / 20
000159:38:x	38	48	130	0.78	4.39	0.94	20.00	/	5 / 10 / 15 / 20
000159:40:x	40	50	140	0.81	4.27	0.94	20.00	/	5 / 10 / 15 / 20
000159:45:x	45	55	160	0.88	4.10	0.94	20.00	/	5 / 10 / 15 / 20
000159:51:x	51	61	170	0.95	4.00	0.94	20.00	/	5 / 10 / 15 / 20
000159:55:x	55	65	190	1.08	3.75	0.89	20.00	/	5 / 10 / 15 / 20
000159:60:x	60	70	210	1.20	3.60	0.89	20.00	/	5 / 10 / 15 / 20
000159:65:x	65	75	230	1.33	3.30	0.89	20.00	/	5 / 10 / 15 / 20
000159:70:x	70	80	240	1.49	3.15	0.89	20.00	/	5 / 10 / 15 / 20
000159:76:x	76	87	260	1.68	2.92	0.89	20.00	/	5 / 10 / 15 / 20
000159:80:x	80	93	270	1.85	2.77	0.89	20.00	/	5 / 10 / 15 / 20
000159:90:x	90	103	310	2.10	2.40	0.89	20.00	/	5 / 10 / 15 / 20
000159:102:x	102	115	340	2.32	2.10	0.87	20.00	/	5 / 10 / 15 / 20
000159:110:x	110	124	380	2.60	1.95	0.87	20.00	/	5 / 10 / 15 / 20
000159:115:x	115	129	400	2.73	1.80	0.87	20.00	/	5 / 10 / 15 / 20
000159:120:x	120	134	410	2.86	1.65	0.87	20.00	/	5 / 10 / 15 / 20
000159:127:x	127	140	430	3.01	1.65	0.87	20.00	/	5 / 10 / 15 / 20
000159:130:x	130	143	440	3.25	1.65	0.84	20.00	/	5 / 10 / 15 / 20
000159:140:x	140	153	480	3.66	1.50	0.83	20.00	/	5 / 10 / 15 / 20
000159:152:x	152	167	610	4.15	1.50	0.82	20.00	/	5 / 10 / 15 / 20
000159:160:x	160	175	680	4.55	1.35	0.81	20.00	/	5 / 10 / 15 / 20
000159:170:x	170	185	810	5.01	1.20	0.80	20.00	/	5 / 10 / 15 / 20
000159:180:x	180	195	950	5.52	1.20	0.77	20.00	/	5 / 10 / 15 / 20
000159:203:x	203	220	1290	6.06	1.05	0.66	15.00	/	5 / 10 / 15
000159:225:x	225	241	1560	6.99	0.90	0.58	10.00	/	5 / 10
000159:250:x	250	263	1760	7.91	0.90	0.52	10.00	/	5 / 10

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000159:254:x	254	267	1790	7.91	0.90	0.51	10.00	/	5 / 10
000159:275:x	275	292	1960	8.67	0.75	0.47	10.00	/	5 / 10
000159:300:x	300	317	2160	9.42	0.60	0.42	10.00	/	5 / 10

All data refer to a medium and ambient temperature of +20°C.
Specification of the bending radius related to the inside of the hose bend
Subject to technical changes and colour deviations

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Individual consultation

We offer consultation by phone: **+33 04 78 06 02 02**

Product requests via: **https://www.masterflex.fr/**

Headquarters for your sales area

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