



Master-PUR L Trivolution

Article Master No.: 000007

PU Suction hose & Transport Hose, extremely flexible, light duty, antistatic, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

transparent | antistatic | microbe resistant | flame retardant | flexible | light | moderately 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 pure material, made of specified material, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: polyester polyurethane
- Specifications of the wall: surface resistance $R_o < 10^9$ Ohm, measured according to DIN EN ISO 8031, material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649, flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: complies with DIN 26057 Type II, according to TRGS 727 and ATEX 2014/34 EU, see « Downloads and Certificates «
- Chemical Properties: microbe-resistant, halogen-free, good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance, plasticiser-free
- Flexibility: flexible
- Physical Properties: permanently antistatic
- Weight: light

- Pressure Resistance: moderately pressure resistant
- Colour: transparent
- Other: configurable as a hose system with digital interface for compatibility with the AMPIUS® app

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: Agriculture, Automotive, Plant & Mechanical Engineering, Robotics & Automation, Industry, Semiconductor Industry, aviation technology, Ventilation & Air-conditioning, Energy Technology, Bulk & Construction, Sea & Rail transport, Wood, Chemistry, Food & Pharma, Waste Disposal & Cleaning Technology, Plastics, Conveying, lifting & feeding technology, Cable manufacturers, Textile, Printing & Paper, Vehicle Construction, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours, 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
000007:25:x	25	30	30	0.23	3.34	0.80	25.00		5 / 10 / 15 / 20 / 25
000007:26:x	26	31	31	0.25	3.22	0.79	25.00	10 / 15 / 20	5 / 25
000007:32:x	32	40	40	0.35	2.52	0.71	25.00	5 / 10 / 15 / 20	25
000007:38:x	38	46	46	0.39	2.10	0.66	25.00	5 / 10 / 15 / 20	25
000007:40:x	40	48	48	0.40	2.10	0.66	25.00	5 / 10 / 15 / 25	20
000007:45:x	45	53	53	0.42	1.84	0.59	25.00		5 / 10 / 15 / 20 / 25
000007:51:x	51	58	58	0.48	1.68	0.52	25.00	5 / 10 / 15 / 20	25
000007:55:x	55	63	63	0.51	1.54	0.44	25.00	5 / 10 / 15	20 / 25
000007:60:x	60	68	68	0.53	1.40	0.44	25.00	5 / 10 / 15	20 / 25
000007:63:x	63	70	70	0.57	1.34	0.41	25.00	5 / 10	15 / 20 / 25
000007:65:x	65	73	73	0.64	1.26	0.37	25.00	5 / 10 / 15	20 / 25
000007:70:x	70	78	78	0.68	1.12	0.37	25.00	5 / 10 / 15	20 / 25
000007:76:x	76	84	84	0.72	1.12	0.29	25.00	5 / 10 / 15	20 / 25
000007:80:x	80	88	88	0.76	0.98	0.29	25.00	5 / 10 / 15 / 20	25
000007:90:x	90	99	99	0.88	0.84	0.22	25.00	5 / 10 / 15	20 / 25
000007:102:x	102	110	110	0.95	0.84	0.22	25.00	5 / 10 / 15	20 / 25

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
000007:110:x	110	119	119	1.03	0.70	0.22	25.00	5 / 10	15 / 20 / 25
000007:115:x	115	124	124	1.06	0.70	0.22	25.00	5 / 10	15 / 20 / 25
000007:120:x	120	129	129	1.12	0.70	0.22	25.00	5 / 10 / 15	20 / 25
000007:127:x	127	135	135	1.18	0.70	0.22	25.00	5 / 10 / 15	20 / 25
000007:130:x	130	139	139	1.20	0.56	0.22	25.00	10	5 / 15 / 20 / 25
000007:140:x	140	149	149	1.38	0.56	0.15	25.00	5 / 10 / 15	20 / 25
000007:152:x	152	161	161	1.48	0.56	0.15	25.00	5 / 10 / 15	20 / 25
000007:160:x	160	170	170	1.74	0.56	0.15	25.00	5 / 10 / 15	20 / 25
000007:170:x	170	180	180	1.80	0.42	0.15	25.00		5 / 10 / 15 / 20 / 25
000007:175:x	175	185	185	1.85	0.42	0.15	25.00	5 / 10	15 / 20 / 25
000007:180:x	180	190	190	1.90	0.42	0.15	25.00	5 / 10 / 15	20 / 25
000007:203:x	203	214	214	2.30	0.42	0.15	25.00	5 / 10 / 15	20 / 25
000007:225:x	225	235	235	2.55	0.28	0.07	25.00	5 / 10	15 / 20 / 25
000007:250:x	250	260	260	3.02	0.28	0.07	25.00	5 / 10 / 15	20 / 25
000007:254:x	254	264	264	3.02	0.28	0.07	25.00	10	5 / 15 / 20 / 25
000007:275:x	275	284	284	3.11	0.28	0.07	25.00		5 / 10 / 15 / 20 / 25
000007:280:x	280	290	290	3.14	0.28	0.07	20.00	5 / 10	15 / 20
000007:300:x	300	310	310	3.20	0.25	0.07	20.00	5 / 10	15 / 20
000007:315:x	315	325	325	3.32	0.25	0.07	20.00	5 / 10	15 / 20
000007:325:x	325	335	335	3.40	0.25	0.07	20.00		5 / 10 / 15 / 20
000007:350:x	350	360	360	3.60	0.13	0.07	20.00	5 / 10	15 / 20
000007:375:x	375	386	386	3.85	0.13	0.05	20.00		5 / 10 / 15 / 20
000007:400:x	400	411	410	4.45	0.13	0.05	20.00	5 / 10	15 / 20
000007:450:x	450	461	460	5.06	0.13	0.05	20.00		5 / 10 / 15 / 20
000007:500:x	500	511	510	5.70	0.13	0.05	20.00	5 / 10	15 / 20

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)).

Suitable for the product



Master-Grip Hose Clamp, screwable
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Quick-Fix Clamp
Special clamp for fastening light and medium-weight, right-hand spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Combiflex PU Screw Cuff EC
PU end fitting for Master-PUR L/H and Master-PVC L/H hoses, electrically conductive



Combiflex PU Threaded Sockets
PU threaded connector for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, based on DIN ISO 228



Individual consultation

We offer consultation by phone: **+49 209 97077 0**

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

Headquarters for your sales area

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