



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: Polyether Polyurethane
- Specifications of the wall: Surface resistance $R_0 < 10^9$ Ohm, measured according to DIN EN ISO 8031, Material is more abrasion resistant than comparable polyether polyurethane according to DIN ISO 4649, flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: Complies with DIN 26057, according to TRGS 727 and ATEX 2014/34 EU
- 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 - 90
- short-term maximum temperature: peaks to 125 °C

Delivery Information

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

Application Areas

- Areas of application: Agriculture, Automotive, Plant & Mechanical Engineering, Robotics & Automation, Industry, Semiconductor Industry, Aerospace 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	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000007:25:x	000007	25	30	30	0.23	3.34	0.80	25.00	
000007:26:x	000007	26	31	31	0.25	3.22	0.79	25.00	5.00, 10, 15, 20
000007:32:x	000007	32	40	40	0.35	2.52	0.71	25.00	5.00, 10, 15, 20
000007:38:x	000007	38	46	46	0.39	2.10	0.66	25.00	5.00, 10, 15, 20
000007:40:x	000007	40	48	48	0.40	2.10	0.66	25.00	5.00, 10, 15
000007:45:x	000007	45	53	53	0.42	1.84	0.59	25.00	5.00, 10, 15
000007:51:x	000007	51	58	58	0.48	1.68	0.52	25.00	5.00, 10, 15, 20
000007:55:x	000007	55	63	63	0.51	1.54	0.44	25.00	5.00, 10, 15
000007:60:x	000007	60	68	68	0.53	1.40	0.44	25.00	5.00, 10, 15
000007:63:x	000007	63	70	70	0.57	1.34	0.41	25.00	5.00, 10
000007:65:x	000007	65	73	73	0.64	1.26	0.37	25.00	5.00, 10, 15
000007:70:x	000007	70	78	78	0.68	1.12	0.37	25.00	5.00, 10, 15
000007:76:x	000007	76	84	84	0.72	1.12	0.29	25.00	5.00, 10, 15
000007:80:x	000007	80	88	88	0.76	0.98	0.29	25.00	5.00, 10, 15
000007:90:x	000007	90	99	99	0.88	0.84	0.22	25.00	5.00, 10, 15
000007:102:x	000007	102	110	110	0.95	0.84	0.22	25.00	5.00, 10, 15
000007:110:x	000007	110	119	119	1.03	0.70	0.22	25.00	5.00, 10

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000007:115:x	000007	115	124	124	1.06	0.70	0.22	25.00	5.00, 10
000007:120:x	000007	120	129	129	1.12	0.70	0.22	25.00	5.00, 10, 15
000007:127:x	000007	127	135	135	1.18	0.70	0.22	25.00	5.00, 10, 15
000007:130:x	000007	130	139	139	1.20	0.56	0.22	25.00	5.00, 10
000007:140:x	000007	140	149	149	1.38	0.56	0.15	25.00	5.00, 10, 15
000007:152:x	000007	152	161	161	1.48	0.56	0.15	25.00	5.00, 10, 15
000007:160:x	000007	160	170	170	1.74	0.56	0.15	25.00	5.00, 10, 15
000007:170:x	000007	170	180	180	1.80	0.42	0.15	25.00	5.00, 10
000007:175:x	000007	175	185	185	1.85	0.42	0.15	25.00	5.00, 10
000007:180:x	000007	180	190	190	1.90	0.42	0.15	25.00	5.00, 10, 15
000007:203:x	000007	203	214	214	2.30	0.42	0.15	25.00	5.00, 10, 15
000007:225:x	000007	225	235	235	2.55	0.28	0.07	25.00	5.00, 10
000007:250:x	000007	250	260	260	3.02	0.28	0.07	25.00	5.00, 10, 15
000007:254:x	000007	254	264	264	3.02	0.28	0.07	25.00	
000007:275:x	000007	275	284	284	3.11	0.28	0.07	25.00	
000007:280:x	000007	280	290	290	3.14	0.28	0.07	20.00	5.00, 10
000007:300:x	000007	300	310	310	3.20	0.25	0.07	20.00	5.00, 10
000007:315:x	000007	315	325	325	3.32	0.25	0.07	20.00	5.00, 10
000007:325:x	000007	325	335	335	3.40	0.25	0.07	20.00	5.00, 10
000007:350:x	000007	350	360	360	3.60	0.13	0.07	20.00	5.00, 10
000007:375:x	000007	375	386	386	3.85	0.13	0.05	20.00	
000007:400:x	000007	400	411	410	4.45	0.13	0.05	20.00	5.00, 10
000007:450:x	000007	450	461	460	5.06	0.13	0.05	20.00	5.00, 10
000007:500:x	000007	500	511	510	5.70	0.13	0.05	20.00	5.00, 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.

Possible Connection Elements



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



PU Screw Cuff EL

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 97077-112

Product requests via
masterflex.de/en

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

