Master-PUR H Trivolution

Article Master No.: 000063

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

antistatic | microbe resistant | flame retardant | transparent | flexible | medium heavy | 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, addition of a non-migrating permanent antistatic agent, wall thickness between the spirals approx. 1.4 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 III, 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: medium heavy

- Pressure Resistance: pressure resistant
- Colour: transparent
- Other: high vacuum and good pressure resistance, 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, Wood, Chemistry, Food & Pharma, Waste Disposal & Cleaning Technology, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, 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
000063:13:x	13	19	38	0.15	4.70	0.92	25.00	10	5 / 10 / 15 / 20 / 25
000063:16:x	16	22	40	0.20	4.50	0.92	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:20:x	20	26	43	0.22	4.30	0.92	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:25:x	25	32	46	0.28	4.19	0.92	25.00	/	5 / 10 / 15 / 20 / 25
000063:26:x	26	33	47	0.29	4.16	0.92	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:30:x	30	39.2	51.3	0.32	3.25	0.92	25.00	/	5 / 10 / 15 / 20 / 25
000063:32:x	32	41	60	0.39	3.25	0.92	25.00	5 / 10 / 20	5 / 10 / 15 / 20 / 25
000063:38:x	38	47	69	0.46	3.12	0.82	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:40:x	40	49	72	0.49	3.00	0.82	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:45:x	45	55	80	0.55	2.95	0.81	25.00	10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:50:x	50	60	86	0.66	2.82	0.82	25.00	/	5 / 10 / 15 / 20 / 25
000063:51:x	51	61	87	0.71	2.90	0.82	25.00	5 / 10 / 15 / 20 / 25	5 / 10 / 15 / 20 / 25
000063:55:x	55	65	95	0.77	2.75	0.76	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:60:x	60	70	102	0.84	2.55	0.74	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:63:x	63	72.6	106	0.87	2.49	0.71	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000063:65:x	65	75	112	0.91	2.40	0.66	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:70:x	70	80	117	0.97	2.25	0.66	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:76:x	76	87	126	1.06	2.00	0.59	25.00	10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:80:x	80	91	132	1.11	2.00	0.59	25.00	5 / 10 / 15	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
000063:90:x	90	101	149	1.25	1.65	0.52	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:100:x	100	110	163	1.43	1.54	0.45	25.00	/	5 / 10 / 15 / 20 / 25
000063:102:x	102	112	165	1.48	1.50	0.44	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000063:110:x	110	121	179	1.61	1.35	0.46	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:115:x	115	126	186	1.68	1.35	0.31	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000063:120:x	120	131	194	1.75	1.30	0.31	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:127:x	127	138	203	1.91	1.30	0.31	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:130:x	130	141	209	1.96	1.30	0.31	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000063:140:x	140	151	224	2.11	1.05	0.26	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000063:150:x	150	161	240	2.31	1.05	0.26	25.00	/	5 / 10 / 15 / 20 / 25
000063:152:x	152	163	242	2.29	1.05	0.26	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:160:x	160	171	255	2.51	0.90	0.25	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:170:x	170	181	270	2.67	0.90	0.18	25.00	10	5 / 10 / 15 / 20 / 25
000063:175:x	175	186	278	2.74	0.90	0.18	25.00	/	5 / 10 / 15 / 20 / 25
000063:180:x	180	191	285	2.82	0.75	0.18	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000063:200:x	200	212	316	3.42	0.75	0.18	25.00	/	5 / 10 / 15 / 20 / 25
000063:203:x	203	215	321	3.50	0.75	0.18	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:225:x	225	237	353	3.65	0.60	0.12	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000063:250:x	250	263	390	3.91	0.60	0.12	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000063:254:x	254	267	396	3.91	0.58	0.12	25.00	/	5 / 10 / 15 / 20 / 25
000063:275:x	275	288	426	4.22	0.45	0.12	25.00	/	5 / 10 / 15 / 20 / 25
000063:280:x	280	293	435	4.30	0.45	0.12	25.00	/	5 / 10 / 15 / 20 / 25
000063:300:x	300	313	465	4.94	0.45	0.12	20.00	5 / 10	5 / 10 / 15 / 20
000063:315:x	315	328	488	5.19	0.45	0.12	20.00	/	5 / 10 / 15 / 20
000063:325:x	325	338	503	5.35	0.45	0.12	20.00	/	5 / 10 / 15 / 20
000063:350:x	350	363	540	6.96	0.45	0.12	20.00	/	5 / 10 / 15 / 20
000063:375:x	375	388	580	7.45	0.30	0.07	20.00	/	5 / 10 / 15 / 20
000063:400:x	400	413	615	7.95	0.30	0.07	20.00	/	5 / 10 / 15 / 20
000063:450:x	450	463	690	8.94	0.30	0.07	10.00	/	5 / 10 / 15 / 20
000063:500:x	500	513	765	9.93	0.30	0.07	10.00	/	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

Masterflex SE

Willy-Brandt-Allee 300
45891 Gelsenkirchen
Germany