

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 $R_0 < 10^9$ 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, 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 - 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, 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	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
000063:13:x	000063	13	19	38	0.15	4.70	0.92	25.00	5, 10
000063:16:x	000063	16	22	40	0.20	4.50	0.92	25.00	5, 10, 15
000063:20:x	000063	20	26	43	0.22	4.30	0.92	25.00	5, 10, 15
000063:25:x	000063	25	32	46	0.28	4.19	0.92	25.00	/
000063:26:x	000063	26	33	47	0.29	4.16	0.92	25.00	5, 10, 15, 20
000063:30:x	000063	30	39,2	51,3	0.32	3.25	0.92	25.00	5, 10, 15
000063:32:x	000063	32	41	60	0.39	3.25	0.92	25.00	5, 10, 15, 20
000063:38:x	000063	38	47	69	0.46	3.12	0.82	25.00	5, 10, 15, 20
000063:40:x	000063	40	49	72	0.49	3.00	0.82	25.00	5, 10, 15, 20
000063:45:x	000063	45	55	80	0.55	2.95	0.81	25.00	5, 10, 15, 20
000063:50:x	000063	50	60	86	0.66	2.82	0.82	25.00	/
000063:51:x	000063	51	61	87	0.71	2.90	0.82	25.00	5, 10, 15, 20
000063:55:x	000063	55	65	95	0.77	2.75	0.76	25.00	5, 10, 15
000063:60:x	000063	60	70	102	0.84	2.55	0.74	25.00	5, 10, 15, 20
000063:63:x	000063	63	72,6	106	0.87	2.49	0.71	25.00	5, 10
000063:65:x	000063	65	75	112	0.91	2.40	0.66	25.00	5, 10, 15, 20
000063:70:x	000063	70	80	117	0.97	2.25	0.66	25.00	5, 10, 15
000063:76:x	000063	76	87	126	1.06	2.00	0.59	25.00	10, 15
000063:80:x	000063	80	91	132	1.11	2.00	0.59	25.00	5, 10, 15

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
000063:90:x	000063	90	101	149	1.25	1.65	0.52	25.00	5, 10, 15
000063:100:x	000063	100	110	163	1.43	1.54	0.45	25.00	/
000063:102:x	000063	102	112	165	1.48	1.50	0.44	25.00	5, 10, 15
000063:110:x	000063	110	121	179	1.61	1.35	0.46	25.00	5, 10, 15
000063:115:x	000063	115	126	186	1.68	1.35	0.31	25.00	5, 10, 15
000063:120:x	000063	120	131	194	1.75	1.30	0.31	25.00	5, 10, 15
000063:127:x	000063	127	138	203	1.91	1.30	0.31	25.00	5, 10, 15
000063:130:x	000063	130	141	209	1.96	1.30	0.31	25.00	5, 10
000063:140:x	000063	140	151	224	2.11	1.05	0.26	25.00	5, 10, 15
000063:150:x	000063	150	161	240	2.31	1.05	0.26	25.00	/
000063:152:x	000063	152	163	242	2.29	1.05	0.26	25.00	5, 10, 15
000063:160:x	000063	160	171	255	2.51	0.90	0.25	25.00	5, 10, 15
000063:170:x	000063	170	181	270	2.67	0.90	0.18	25.00	5, 10
000063:175:x	000063	175	186	278	2.74	0.90	0.18	25.00	/
000063:180:x	000063	180	191	285	2.82	0.75	0.18	25.00	5, 10
000063:200:x	000063	200	212	316	3.42	0.75	0.18	25.00	/
000063:203:x	000063	203	215	321	3.50	0.75	0.18	25.00	5, 10, 15
000063:225:x	000063	225	237	353	3.65	0.60	0.12	25.00	5, 10
000063:250:x	000063	250	263	390	3.91	0.60	0.12	25.00	5, 10, 15
000063:254:x	000063	254	267	396	3.91	0.58	0.12	25.00	/
000063:275:x	000063	275	288	426	4.22	0.45	0.12	25.00	/
000063:280:x	000063	280	293	435	4.30	0.45	0.12	25.00	5, 10
000063:300:x	000063	300	313	465	4.94	0.45	0.12	20.00	5, 10
000063:315:x	000063	315	328	488	5.19	0.45	0.12	20.00	/
000063:325:x	000063	325	338	503	5.35	0.45	0.12	20.00	/
000063:350:x	000063	350	363	540	6.96	0.45	0.12	20.00	5, 10
000063:375:x	000063	375	388	580	7.45	0.30	0.07	20.00	/
000063:400:x	000063	400	413	615	7.95	0.30	0.07	20.00	5, 10
000063:450:x	000063	450	463	690	8.94	0.30	0.07	20.00	/
000063:500:x	000063	500	513	765	9.93	0.30	0.07	20.00	/

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)).

Possible Connection Elements



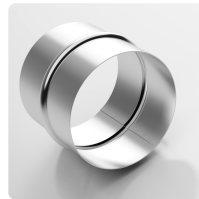
Master-Grip Hose Clamp, screwable
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



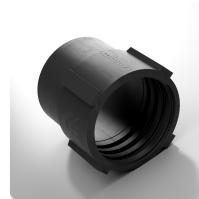
Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



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



Combiflex 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:
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Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

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