



Master-SANTO H

Article Master No.: 000242

TPV transport and suction hose, medium weight, for increased temperatures

hydrolysis resistant | microbe resistant | 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: wall thickness between the spirals approx. 1.4 mm
- Material of the wall: thermoplastic vulcanizate (TPV)

Properties

- Chemical Properties: good resistance to chemicals, halogen-free, good UV resistance, good resistance to acids, good resistance to alkaline solutions, good resistance to solvent vapours, good ozone resistance, plasticiser-free
- Flexibility: flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: black
- Other: largely smooth inside, high vacuum and good pressure resistance

Operating Temperature

- Temperature Range: -40to 125°C

- short-term maximum temperature: peaks to 150 °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, Industry, Semiconductor Industry, Ventilation & Air-conditioning, Bulk & Construction, Sea & Rail transport, Chemistry, Food & Pharma, Plastics, Conveying, lifting & feeding technology, Printing & Paper, Vehicle Construction, Metal & Toolmaking

Customizing Options

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

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
000242:25:x	25	33	47	0.25	1.46	0.99	25.00		5 / 10 / 15 / 20 / 25
000242:26:x	26	33	47	0.25	1.46	0.92	25.00		5 / 10 / 15 / 20 / 25
000242:32:x	32	41	60	0.35	1.14	0.92	25.00		5 / 10 / 15 / 20 / 25
000242:38:x	38	47	69	0.40	1.09	0.82	25.00		5 / 10 / 15 / 20 / 25
000242:40:x	40	49	72	0.41	1.05	0.82	25.00		5 / 10 / 15 / 20 / 25
000242:45:x	45	55	80	0.47	1.03	0.81	25.00		5 / 10 / 15 / 20 / 25
000242:50:x	50	60	86	0.54	1.02	0.79	25.00		5 / 10 / 15 / 20 / 25
000242:51:x	51	61	87	0.55	1.02	0.79	25.00	5 / 10	15 / 20 / 25
000242:55:x	55	65	95	0.59	0.96	0.76	25.00		5 / 10 / 15 / 20 / 25
000242:60:x	60	70	102	0.64	0.89	0.74	25.00		5 / 10 / 15 / 20 / 25
000242:65:x	65	75	112	0.69	0.84	0.66	25.00		5 / 10 / 15 / 20 / 25
000242:70:x	70	80	117	0.76	0.79	0.66	25.00		5 / 10 / 15 / 20 / 25
000242:75:x	75	86	125	0.79	0.70	0.59	25.00		5 / 10 / 15 / 20 / 25
000242:76:x	76	87	126	0.80	0.70	0.59	25.00		5 / 10 / 15 / 20 / 25
000242:80:x	80	91	132	0.87	0.70	0.59	25.00		5 / 10 / 15 / 20 / 25
000242:90:x	90	101	149	0.94	0.58	0.52	25.00		5 / 10 / 15 / 20 / 25
000242:100:x	100	110	164	1.00	0.53	0.44	25.00		5 / 10 / 15 / 20 / 25
000242:102:x	102	112	165	1.01	0.53	0.44	25.00	5 / 10	15 / 20 / 25
000242:110:x	110	121	179	1.09	0.47	0.44	25.00		5 / 10 / 15 / 20 / 25
000242:115:x	115	126	186	1.13	0.47	0.31	25.00		5 / 10 / 15 / 20 / 25
000242:120:x	120	131	194	1.17	0.46	0.31	25.00		5 / 10 / 15 / 20 / 25
000242:125:x	125	136	201	1.24	0.46	0.31	25.00		5 / 10 / 15 / 20 / 25
000242:127:x	127	138	203	1.27	0.46	0.31	25.00		5 / 10 / 15 / 20 / 25
000242:130:x	130	141	209	1.31	0.46	0.31	25.00		5 / 10 / 15 / 20 / 25
000242:140:x	140	151	224	1.41	0.37	0.25	25.00		5 / 10 / 15 / 20 / 25
000242:150:x	150	161	240	1.49	0.37	0.25	25.00		5 / 10 / 15 / 20 / 25
000242:152:x	152	163	242	1.50	0.37	0.25	25.00	5 / 10	15 / 20 / 25

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000242:160:x	160	171	255	1.73	0.32	0.25	25.00		5 / 10 / 15 / 20 / 25
000242:170:x	170	181	270	1.88	0.32	0.18	25.00		5 / 10 / 15 / 20 / 25
000242:175:x	175	186	278	1.96	0.32	0.18	25.00		5 / 10 / 15 / 20 / 25
000242:180:x	180	191	285	2.04	0.26	0.18	25.00		5 / 10 / 15 / 20 / 25
000242:200:x	200	213	319	2.22	0.26	0.18	25.00		5 / 10 / 15 / 20 / 25
000242:203:x	203	215	321	2.25	0.26	0.18	25.00		5 / 10 / 15 / 20 / 25
000242:225:x	225	237	353	2.50	0.21	0.12	25.00		5 / 10 / 15 / 20 / 25
000242:250:x	250	261	388	2.99	0.21	0.12	25.00		5 / 10 / 15 / 20 / 25
000242:254:x	254	263	390	3.07	0.21	0.12	25.00		5 / 10 / 15 / 20 / 25
000242:275:x	275	288	426	3.58	0.16	0.12	25.00		5 / 10 / 15 / 20 / 25
000242:280:x	280	293	435	3.64	0.16	0.12	25.00		5 / 10 / 15 / 20 / 25
000242:300:x	300	313	465	3.90	0.16	0.12	20.00		5 / 10 / 15 / 20
000242:315:x	315	328	488	4.13	0.16	0.12	20.00		5 / 10 / 15 / 20
000242:325:x	325	338	503	4.29	0.16	0.12	20.00		5 / 10 / 15 / 20
000242:350:x	350	363	540	4.84	0.16	0.12	20.00		5 / 10 / 15 / 20
000242:375:x	375	388	580	5.23	0.11	0.07	20.00		5 / 10 / 15 / 20
000242:400:x	400	413	615	5.69	0.11	0.07	20.00		5 / 10 / 15 / 20
000242:450:x	450	463	690	6.58	0.11	0.07	20.00		5 / 10 / 15 / 20
000242:500:x	500	513	765	7.38	0.11	0.07	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



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



Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



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



Heat Shrink Cuff
Heat shrink sleeve for easy connection and sealing of hoses



Individual consultation

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

Product requests via: **https://www.masterflex-slang.nl/**

Headquarters for your sales area

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