

## 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

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU
- 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: -40 - 125
- short-term maximum temperature: peaks to 150 °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, 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	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
000242:25:x	000242	25	33	47	0.25	1.46	0.99	25.00	/
000242:26:x	000242	26	33	47	0.25	1.46	0.92	25.00	/
000242:32:x	000242	32	41	60	0.35	1.14	0.92	25.00	/
000242:38:x	000242	38	47	69	0.40	1.09	0.82	25.00	/
000242:40:x	000242	40	49	72	0.41	1.05	0.82	25.00	/
000242:45:x	000242	45	55	80	0.47	1.03	0.81	25.00	/
000242:50:x	000242	50	60	86	0.54	1.02	0.79	25.00	/
000242:51:x	000242	51	61	87	0.55	1.02	0.79	25.00	5, 10
000242:55:x	000242	55	65	95	0.59	0.96	0.76	25.00	/
000242:60:x	000242	60	70	102	0.64	0.89	0.74	25.00	5, 10
000242:65:x	000242	65	75	112	0.69	0.84	0.66	25.00	/
000242:70:x	000242	70	80	117	0.76	0.79	0.66	25.00	/
000242:75:x	000242	75	86	125	0.79	0.70	0.59	25.00	/
000242:76:x	000242	76	87	126	0.80	0.70	0.59	25.00	/
000242:80:x	000242	80	91	132	0.87	0.70	0.59	25.00	/
000242:90:x	000242	90	101	149	0.94	0.58	0.52	25.00	/
000242:100:x	000242	100	110	164	1.00	0.53	0.44	25.00	/
000242:102:x	000242	102	112	165	1.01	0.53	0.44	25.00	5, 10
000242:110:x	000242	110	121	179	1.09	0.47	0.44	25.00	/
000242:115:x	000242	115	126	186	1.13	0.47	0.31	25.00	/
000242:120:x	000242	120	131	194	1.17	0.46	0.31	25.00	/
000242:125:x	000242	125	136	201	1.24	0.46	0.31	25.00	/
000242:127:x	000242	127	138	203	1.27	0.46	0.31	25.00	/
000242:130:x	000242	130	141	209	1.31	0.46	0.31	25.00	/
000242:140:x	000242	140	151	224	1.41	0.37	0.25	25.00	/

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
000242:150:x	000242	150	161	240	1.49	0.37	0.25	25.00	/
000242:152:x	000242	152	163	242	1.50	0.37	0.25	25.00	5, 10
000242:160:x	000242	160	171	255	1.73	0.32	0.25	25.00	/
000242:170:x	000242	170	181	270	1.88	0.32	0.18	25.00	/
000242:175:x	000242	175	186	278	1.96	0.32	0.18	25.00	/
000242:180:x	000242	180	191	285	2.04	0.26	0.18	25.00	/
000242:200:x	000242	200	213	319	2.22	0.26	0.18	25.00	/
000242:203:x	000242	203	215	321	2.25	0.26	0.18	25.00	/
000242:225:x	000242	225	237	353	2.50	0.21	0.12	25.00	/
000242:250:x	000242	250	261	388	2.99	0.21	0.12	25.00	/
000242:254:x	000242	254	263	390	3.07	0.21	0.12	25.00	/
000242:275:x	000242	275	288	426	3.58	0.16	0.12	25.00	/
000242:280:x	000242	280	293	435	3.64	0.16	0.12	25.00	/
000242:300:x	000242	300	313	465	3.90	0.16	0.12	20.00	/
000242:315:x	000242	315	328	488	4.13	0.16	0.12	20.00	/
000242:325:x	000242	325	338	503	4.29	0.16	0.12	20.00	/
000242:350:x	000242	350	363	540	4.84	0.16	0.12	20.00	/
000242:375:x	000242	375	388	580	5.23	0.11	0.07	20.00	/
000242:400:x	000242	400	413	615	5.69	0.11	0.07	20.00	/
000242:450:x	000242	450	463	690	6.58	0.11	0.07	20.00	/
000242:500:x	000242	500	513	765	7.38	0.11	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



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



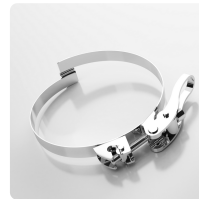
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



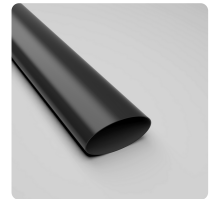
**Master-Grip Hose Clamp, screwable**  
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



**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 97077-112

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

### Address Headquarters

Masterflex SE  
Willy-Brandt-Allee 300  
45981 Gelsenkirchen

