

## Master-Clip HYPALON®

Article Master No.: 000273

Medium and high temperature hose for temperatures up to +175°C



microbe resistant



flame retardant



compressible



hydrolysis resistant



very flexible



light



moderately pressure resistant

### Product Details

#### Construction / Material

- Type of construction: spiral hose with clamping profile
- Design of the helix: metal band, formed as a clamping profile
- Material of the helix: steel strip, hot-dip galvanised
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: coated / HYPALON® coating
- Material of the wall: polyester fabric
- Specifications of the wall: flame retardant

#### Properties

- Chemical Properties: very good resistance to chemicals / good ozone resistance / good UV resistance
- Mechanical Properties: compressible approx. 1:6
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: outside black, inside green

#### Operating Temperature

- Temperature Range: -40 to 175 °C

- short-term maximum temperature: +190 °C
- proper use: for flue gas temperatures >+140 °C, suitable only for negative pressure applications with a minimum of 50% fresh air supply at the maximum specified temperature

### Delivery Information

- Delivery, type of production: order-related production

### Application Areas

- Areas of application: 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 stainless steel spiral

## Article Variants

Extended Article Number	Article number	Nominal Size (DN) mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Length (standard lengths available for order) m
000273:38:x	000273	38	23	0.40	0.94	0.47	25.00	3 / 6 / 10
000273:40:x	000273	40	24	0.40	0.93	0.46	25.00	3 / 6 / 10
000273:45:x	000273	45	27	0.40	0.92	0.43	25.00	3 / 6 / 10
000273:50:x	000273	50	30	0.40	0.90	0.39	25.00	3 / 6 / 10
000273:55:x	000273	55	33	0.40	0.85	0.32	25.00	3 / 6 / 10
000273:60:x	000273	60	36	0.50	0.78	0.27	25.00	3 / 6 / 10
000273:65:x	000273	65	39	0.50	0.68	0.23	25.00	3 / 6 / 10
000273:70:x	000273	70	42	0.50	0.67	0.20	25.00	3 / 6 / 10
000273:75:x	000273	75	45	0.60	0.62	0.18	25.00	3 / 6 / 10
000273:80:x	000273	80	48	0.60	0.61	0.15	25.00	3 / 6 / 10
000273:90:x	000273	90	54	0.60	0.56	0.12	25.00	3 / 6 / 10
000273:100:x	000273	100	60	0.60	0.51	0.10	25.00	3 / 6 / 10
000273:110:x	000273	110	66	0.70	0.48	0.08	25.00	3 / 6 / 10
000273:120:x	000273	120	72	0.70	0.36	0.07	25.00	3 / 6 / 10
000273:125:x	000273	125	75	0.80	0.33	0.06	25.00	3 / 6 / 10
000273:130:x	000273	130	78	0.80	0.28	0.06	25.00	3 / 6 / 10
000273:140:x	000273	140	84	0.80	0.25	0.05	25.00	3 / 6 / 10
000273:150:x	000273	150	90	0.90	0.22	0.04	25.00	3 / 6 / 10
000273:160:x	000273	160	96	0.90	0.21	0.04	25.00	3 / 6 / 10
000273:170:x	000273	170	102	0.90	0.19	0.03	25.00	3 / 6 / 10
000273:175:x	000273	175	105	1.00	0.19	0.03	25.00	3 / 6 / 10
000273:180:x	000273	180	108	1.00	0.17	0.03	25.00	3 / 6 / 10
000273:200:x	000273	200	120	1.20	0.15	0.03	25.00	3 / 6 / 10
000273:215:x	000273	215	151	1.30	0.13	0.02	25.00	3 / 6 / 10
000273:225:x	000273	225	158	1.40	0.12	0.02	25.00	3 / 6 / 10
000273:250:x	000273	250	175	1.60	0.10	0.02	25.00	3 / 6 / 10

Extended Article Number	Article number	Nominal Size (DN) mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Length (standard lengths available for order) m
000273:275:x	000273	275	193	1.90	0.08	0.01	25.00	3 / 6 / 10
000273:300:x	000273	300	210	2.10	0.07	0.01	25.00	3 / 6 / 10
000273:315:x	000273	315	221	2.10	0.06	0.01	25.00	3 / 6 / 10
000273:325:x	000273	325	228	2.20	0.06	0.01	25.00	3 / 6 / 10
000273:350:x	000273	350	245	2.50	0.06	0.01	25.00	3 / 6 / 10
000273:375:x	000273	375	263	2.90	0.05	0.01	25.00	3 / 6 / 10
000273:400:x	000273	400	280	3.10	0.05	0.01	25.00	3 / 6 / 10
000273:450:x	000273	450	360	3.60	0.05	0.01	25.00	3 / 6 / 10
000273:500:x	000273	500	400	4.10	0.04	0.01	25.00	3 / 6 / 10
000273:550:x	000273	550	440	4.60	0.04	0.01	25.00	3 / 6 / 10
000273:600:x	000273	600	480	5.10	0.04	0.01	20.00	3 / 6 / 10
000273:700:x	000273	700	560	6.00	0.03	0.01	20.00	3 / 6 / 10
000273:800:x	000273	800	640	6.90	0.02	0.01	20.00	3 / 6 / 10
000273:900:x	000273	900	720	7.80	0.02	0.01	20.00	3 / 6 / 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.

## 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



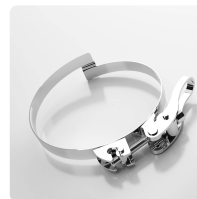
**Hose Reducer, symmetrical**  
 Hose reducer for extending, connecting and joining light to medium weight hoses



**Clip-Grip Hose Clamp, screwable**  
 Screwable clamp for attaching all hose types from the Master-Clip series to mobile and stationary systems



**Clip-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301**  
 screwable clamp for attaching all hose types from the Master-Clip series to mobile and stationary systems



**Clip-Grip Quick-Fix Clamp**  
 Special clamp for attaching all hose types from the Master-Clip series to mobile and stationary units.

### Individual consultation

We offer consultation by  
phone:  
+49 209 97077-112

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

### Address Headquarters

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