

## Cargoflex

Article Master No.: 000183

PU Suction hose & Transport hose, extremely abrasion and vacuum resistant



transparent



moderately flexible



heavy



very 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, wall thickness between the spirals approx. 3.2 - 4.8 mm, depending on DN
- Material of the wall: Polyester Polyurethane
- Specifications of the wall: material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649

#### Properties

- Chemical Properties: microbe-resistant, halogen-free, good UV resistance, good ozone resistance, plasticiser-free
- Mechanical Properties: excellent tensile and tear strength
- Flexibility: moderately flexible
- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: transparent
- Other: high vacuum and good pressure resistance, longer service life

## 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: Industry, Bulk & Construction, Chemistry, Food & Pharma, Plastics, Metal & Toolmaking

## Customizing Options

- optional item modification (on request): 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	Length (standard lengths available for order) m
000183:102:x	000183	102	117	300	3.04	3.15	0.87	20.00	2.50, 5, 7.50, 10	2.5, 5, 7.5, 10, 15, 20
000183:127:x	000183	127	143	375	3.75	2.55	0.87	20.00	/	2.5, 5, 7.5, 10, 15, 20
000183:152:x	000183	152	168	450	4.45	2.25	0.82	20.00	2.50, 5, 7.50, 10	2.5, 5, 7.5, 10, 15, 20
000183:203:x	000183	203	222	600	8.28	1.65	0.66	10.00	/	2.5, 5, 7.5, 10
000183:250:x	000183	250	270	738	10.20	1.37	0.52	10.00	/	2.5, 5, 7.5, 10
000183:254:x	000183	254	275	750	10.36	1.35	0.51	10.00	/	2.5, 5, 7.5, 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)).

## Possible Connection Elements



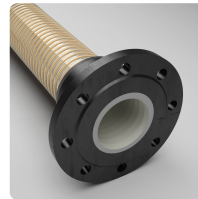
**Hose Clamp with Bolts**  
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



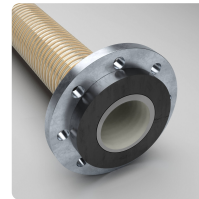
**Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301**  
Special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



**Combiflex PU Cone Flange permanently installed**  
fixed quick connector system for all Master-PUR L, Master-PUR H and Master-PUR HX hoses, following DIN 3016



**Combiflex Cast-on PU Fixed Flange**  
Fixed PU flange for all Master-PUR hoses, for counterflanges to DIN 2632 / DIN 2633 / DIN 2673



**Combiflex Cast-on PU Swivel Flange**  
Fixed cast-on PU loose flange for all Master-PUR hoses, for counterflanges to DIN 2632 / DIN 2633 / DIN 2673

### Individual consultation

We offer consultation by phone:  
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Product requests via  
[masterflex.de/en](https://masterflex.de/en)

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