

## Master-SIL 2

Article Master No.: 000495

Medium and high temperature hose for temperatures up to +250 °C, two layers



hydrolysis resistant



microbe resistant



compressible



very flexible



light



pressure resistant

### Product Details

#### Construction / Material

- Type of construction: single or multi-layer spiral hose made of vulcanized fabric strips
- Material of the spiral: Spring steel
- Execution of the wall: double-layered, Coating in silicone
- Material of the wall: Glass fibre fabric
- Material of the inner layer: glass fabric
- Material of the outer layer: glass fabric
- Design of the cord: designed as twin cord
- Material of the cord: Glass fibre yarn

#### Properties

- Chemical Properties: good resistance to chemicals
- Mechanical Properties: kink-proof
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: pressure resistant
- Colour: red

#### Operating Temperature

- Temperature Range: -70 - 250
- short-term maximum temperature: short-term -85 °C to 300 °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: Automotive, Plant & Mechanical Engineering, Industry, Aerospace technology, Ventilation & air-conditioning, Bulk & Construction, Sea & rail transport, Chemistry, Food & Pharma, Plastics, Printing & Paper, Vehicle construction, Metal & Toolmaking

**Customizing Options**

- optional item modification (on request): other lengths, other nominal widths, with spiral-free end sleeves, with plastic 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	Stock Lengths m
000495:13:x	000495	13	15	0.16	2.80	0.64	4.00	
000495:19:x	000495	19	15	0.19	2.80	0.64	4.00	4
000495:25:x	000495	25	15	0.22	2.80	0.64	4.00	4
000495:30:x	000495	30	15	0.25	2.80	0.64	4.00	
000495:32:x	000495	32	16	0.26	2.80	0.64	4.00	4
000495:38:x	000495	38	18	0.31	2.60	0.59	4.00	4
000495:41:x	000495	41	19	0.32	2.60	0.59	4.00	4
000495:42:x	000495	42	19	0.32	2.60	0.59	4.00	
000495:44:x	000495	44	21	0.34	2.60	0.55	4.00	4
000495:45:x	000495	45	21	0.34	2.60	0.55	4.00	
000495:51:x	000495	51	24	0.36	2.60	0.51	4.00	4
000495:55:x	000495	55	27	0.42	2.50	0.48	4.00	
000495:57:x	000495	57	28	0.43	2.50	0.48	4.00	
000495:60:x	000495	60	31	0.47	2.40	0.47	4.00	4
000495:63:x	000495	63	31	0.49	2.40	0.47	4.00	4
000495:64:x	000495	64	31	0.49	2.40	0.47	4.00	4
000495:65:x	000495	65	31	0.50	2.40	0.47	4.00	4
000495:70:x	000495	70	35	0.53	2.30	0.43	4.00	4
000495:76:x	000495	76	38	0.58	2.20	0.42	4.00	4
000495:80:x	000495	80	40	0.62	2.10	0.41	4.00	4
000495:83:x	000495	83	42	0.64	2.10	0.40	4.00	4
000495:90:x	000495	90	44	0.69	2.00	0.39	4.00	4
000495:95:x	000495	95	48	0.73	1.90	0.36	4.00	
000495:102:x	000495	102	52	0.77	1.90	0.34	4.00	4
000495:108:x	000495	108	55	0.83	1.70	0.30	4.00	
000495:110:x	000495	110	57	0.85	1.70	0.29	4.00	
000495:114:x	000495	114	57	0.89	1.60	0.28	4.00	

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	Stock Lengths m
000495:120:x	000495	120	61	0.94	1.60	0.28	4.00	4
000495:127:x	000495	127	64	1.00	1.40	0.25	4.00	4
000495:130:x	000495	130	65	1.02	1.30	0.23	4.00	4
000495:140:x	000495	140	70	1.11	1.30	0.19	4.00	4
000495:152:x	000495	152	75	1.20	1.20	0.17	4.00	4
000495:160:x	000495	160	80	1.28	1.10	0.15	4.00	4
000495:165:x	000495	165	83	1.32	1.00	0.14	4.00	
000495:180:x	000495	180	90	1.48	1.00	0.12	4.00	4
000495:203:x	000495	203	101	1.65	0.70	0.09	4.00	4
000495:229:x	000495	229	125	1.90	0.60	0.08	4.00	
000495:254:x	000495	254	150	2.14	0.50	0.07	4.00	4
000495:305:x	000495	305	210	2.58	0.30	0.04	4.00	

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.

## Possible Connection Elements



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



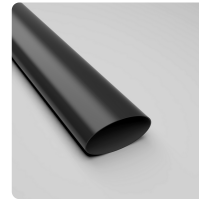
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



**Hose Clamp with Worm-Gear**  
Standard clamp for fastening light hose types to connecting pieces on mobile and stationary installations



**Hose Clamp with Worm-Gear, Steel quality W4, stainless steel 1.4301**  
Standard clamp for fastening light hose types to connecting pieces on mobile and stationary installations



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

### Individual consultation

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

### Address Headquarters

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