



# Master-SIL 1

Article Master No.: 000493

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



hydrolysis resistant



microbe resistant



compressible



very flexible



light



moderately pressure resistant

## Product Details

### Construction / Material

- Type of construction: single or multi-layer spiral hose made of vulcanized fabric strips
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: single layer executed, coating in silicone
- Material of the wall: glass fibre fabric
- Design of the cord: designed as 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: moderately 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: Plant & Mechanical Engineering, Aerospace technology, Ventilation & Air-conditioning, Bulk & Construction, Sea & Rail transport, Chemistry, Plastics, Printing & Paper, Vehicle Construction

### 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
000493:13:x	000493	13	8	0.10	1.70	0.51	4.00	4
000493:19:x	000493	19	8	0.11	1.60	0.50	4.00	4
000493:25:x	000493	25	8	0.12	1.60	0.50	4.00	4
000493:30:x	000493	30	10	0.14	1.40	0.49	4.00	/
000493:32:x	000493	32	10	0.14	1.40	0.49	4.00	4
000493:38:x	000493	38	12	0.17	1.30	0.49	4.00	4
000493:41:x	000493	41	13	0.20	1.30	0.47	4.00	4
000493:42:x	000493	42	14	0.21	1.20	0.45	4.00	/
000493:44:x	000493	44	14	0.21	1.20	0.45	4.00	4
000493:45:x	000493	45	14	0.21	1.20	0.45	4.00	/
000493:51:x	000493	51	16	0.25	1.20	0.42	4.00	4
000493:55:x	000493	55	18	0.27	1.10	0.41	4.00	/
000493:57:x	000493	57	18	0.28	1.10	0.40	4.00	4
000493:60:x	000493	60	20	0.30	1.10	0.39	4.00	4
000493:63:x	000493	63	22	0.32	1.10	0.38	4.00	4
000493:64:x	000493	64	22	0.32	1.10	0.38	4.00	/
000493:65:x	000493	65	22	0.34	1.10	0.37	4.00	4
000493:70:x	000493	70	24	0.36	1.10	0.35	4.00	4
000493:76:x	000493	76	27	0.41	1.10	0.33	4.00	4
000493:80:x	000493	80	28	0.44	1.00	0.31	4.00	4
000493:83:x	000493	83	28	0.46	1.00	0.30	4.00	4
000493:90:x	000493	90	29	0.49	1.00	0.29	4.00	4
000493:95:x	000493	95	32	0.56	0.90	0.28	4.00	4
000493:102:x	000493	102	35	0.65	0.90	0.26	4.00	4
000493:108:x	000493	108	38	0.68	0.90	0.24	4.00	/
000493:110:x	000493	110	38	0.69	0.90	0.24	4.00	4
000493:114:x	000493	114	40	0.71	0.90	0.22	4.00	4
000493:120:x	000493	120	43	0.76	0.80	0.20	4.00	4
000493:127:x	000493	127	46	0.80	0.80	0.17	4.00	4

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
000493:130:x	000493	130	47	0.82	0.80	0.17	4.00	/
000493:140:x	000493	140	48	0.90	0.70	0.15	4.00	4
000493:152:x	000493	152	51	0.99	0.70	0.14	4.00	4
000493:160:x	000493	160	53	1.05	0.60	0.13	4.00	4
000493:165:x	000493	165	55	1.08	0.60	0.12	4.00	4
000493:180:x	000493	180	60	1.19	0.60	0.11	4.00	4
000493:203:x	000493	203	68	1.33	0.50	0.07	4.00	4
000493:229:x	000493	229	84	1.48	0.40	0.06	4.00	4
000493:254:x	000493	254	102	1.68	0.40	0.04	4.00	4
000493:305:x	000493	305	123	2.05	0.20	0.02	4.00	4

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



**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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