



# 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	
000493:19:x	000493	19	8	0.11	1.60	0.50	4.00	4.00
000493:25:x	000493	25	8	0.12	1.60	0.50	4.00	4.00
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	
000493:38:x	000493	38	12	0.17	1.30	0.49	4.00	4.00
000493:41:x	000493	41	13	0.20	1.30	0.47	4.00	4.00
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	4.00
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	4.00
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	
000493:60:x	000493	60	20	0.30	1.10	0.39	4.00	4.00
000493:63:x	000493	63	22	0.32	1.10	0.38	4.00	4.00
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	
000493:70:x	000493	70	24	0.36	1.10	0.35	4.00	
000493:76:x	000493	76	27	0.41	1.10	0.33	4.00	4.00
000493:80:x	000493	80	28	0.44	1.00	0.31	4.00	4.00
000493:83:x	000493	83	28	0.46	1.00	0.30	4.00	4.00
000493:90:x	000493	90	29	0.49	1.00	0.29	4.00	4.00
000493:95:x	000493	95	32	0.56	0.90	0.28	4.00	
000493:102:x	000493	102	35	0.65	0.90	0.26	4.00	4.00
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	
000493:114:x	000493	114	40	0.71	0.90	0.22	4.00	4.00
000493:120:x	000493	120	43	0.76	0.80	0.20	4.00	4.00
000493:127:x	000493	127	46	0.80	0.80	0.17	4.00	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
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	4.00
000493:152:x	000493	152	51	0.99	0.70	0.14	4.00	4.00
000493:160:x	000493	160	53	1.05	0.60	0.13	4.00	4.00
000493:165:x	000493	165	55	1.08	0.60	0.12	4.00	
000493:180:x	000493	180	60	1.19	0.60	0.11	4.00	
000493:203:x	000493	203	68	1.33	0.50	0.07	4.00	4.00
000493:229:x	000493	229	84	1.48	0.40	0.06	4.00	4.00
000493:254:x	000493	254	102	1.68	0.40	0.04	4.00	4.00
000493:305:x	000493	305	123	2.05	0.20	0.02	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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