



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: -60to 250°C

- short-term maximum temperature: -70 °C to +300 °C
- proper use: in the maximum lower and upper temperature ranges, suitable only for static applications

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters and lengths also ex-stock

Application Areas

- Areas of application: Plant & Mechanical Engineering, aviation 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	Nominal Size (DN) in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000493:13:x	13	8	0.10	1.70	0.51	4.00		4
000493:19:x	19	8	0.11	1.60	0.50	4.00		4
000493:25:x	25	8	0.12	1.60	0.50	4.00	4	4
000493:30:x	30	10	0.14	1.40	0.49	4.00		4
000493:32:x	32	10	0.14	1.40	0.49	4.00	4	4
000493:38:x	38	12	0.17	1.30	0.49	4.00	4	4
000493:41:x	41	13	0.20	1.30	0.47	4.00	4	4
000493:44:x	44	14	0.21	1.20	0.45	4.00		4
000493:45:x	45	14	0.21	1.20	0.45	4.00		4
000493:51:x	51	16	0.25	1.20	0.42	4.00	4	4
000493:55:x	55	18	0.27	1.10	0.41	4.00		4
000493:57:x	57	18	0.28	1.10	0.40	4.00		4
000493:60:x	60	20	0.30	1.10	0.39	4.00	4	4
000493:63:x	63	22	0.32	1.10	0.38	4.00	4	4
000493:65:x	65	22	0.34	1.10	0.37	4.00		4
000493:70:x	70	24	0.36	1.10	0.35	4.00		4
000493:76:x	76	27	0.41	1.10	0.33	4.00		4
000493:80:x	80	28	0.44	1.00	0.31	4.00	4	4
000493:83:x	83	28	0.46	1.00	0.30	4.00	4	4
000493:90:x	90	29	0.49	1.00	0.29	4.00	4	4
000493:95:x	95	32	0.56	0.90	0.28	4.00		4
000493:102:x	102	35	0.65	0.90	0.26	4.00	4	4
000493:108:x	108	38	0.68	0.90	0.24	4.00		4
000493:110:x	110	38	0.69	0.90	0.24	4.00		4
000493:114:x	114	40	0.71	0.90	0.22	4.00	4	4
000493:120:x	120	43	0.76	0.80	0.20	4.00		4
000493:127:x	127	46	0.80	0.80	0.17	4.00		4
000493:130:x	130	47	0.82	0.80	0.17	4.00		4

Extended Article Number	Nominal Size (DN) in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000493:140:x	140	48	0.90	0.70	0.15	4.00		4
000493:152:x	152	51	0.99	0.70	0.14	4.00	4	4
000493:160:x	160	53	1.05	0.60	0.13	4.00	4	4
000493:165:x	165	55	1.08	0.60	0.12	4.00		4
000493:180:x	180	60	1.19	0.60	0.11	4.00	4	4
000493:203:x	203	68	1.33	0.50	0.07	4.00	4	4
000493:229:x	229	84	1.48	0.40	0.06	4.00		4
000493:254:x	254	102	1.68	0.40	0.04	4.00	4	4
000493:305:x	305	123	2.05	0.20	0.02	4.00	4	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)).

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



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: **+49 209 97077 0**

Product requests via: **https://www.masterflex-slang.nl/**

Headquarters for your sales area

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