



Flamex B se

Article Master No.: 000198

PU Suction Hose & Transport Hose, lightweight and flexible, hardly inflammable acc. to DIN 4102 B1

flame retardant | transparent | flexible | light | moderately 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, made of specified material, addition of flame retardant additives, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: polyester polyurethane
- Specifications of the wall: according to DIN ISO 4649, the material is more abrasion-resistant than rubber (approx. a factor of 4) or soft PVC (approx. a factor of 3), flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: complies with DIN 26057 Type II, complies with the requirements of the Holz-BG, BGI 739-2, in accordance with TRGS 727 and ATEX requirements, suitable for the aspirated transport of flammable bulk materials and dusts provided the wire spiral is earthed, suitable in accordance with TRGS, provided that there is only a low level of dust inside the hose assembly and, consequently, the occurrence of hazardous explosive dust atmospheres is to be expected only rarely and for short periods (Zone 22)., in accordance with TRGS, when the spiral is earthed, suitable for the pneumatic conveyance of non-combustible bulk solids through Zone 1, where the risk is posed by hazardous substances in groups IIA and IIB. ATEX assessment has do be done by the operator

- Chemical Properties: good UV resistance, halogen-free, good resistance to chemicals, good resistance to oil, good resistance to petrol, good ozone resistance
- Flexibility: flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: transparent

Operating Temperature

- Temperature Range: -40to 90°C
- short-term maximum temperature: peaks to 125 °C

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, Robotics & Automation, Industry, Ventilation & Air-conditioning, Bulk & Construction, Wood, Chemistry, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint

Article Variants

Extended Article Number	Nominal Size (DN) in mm	Outer diameter 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
000198:40:x	40	48	48	0.30	1.89	0.46	25.00	5 / 10	15 / 20 / 25
000198:51:x	51	58	58	0.38	1.51	0.36	25.00	5 / 10 / 20	15 / 25
000198:60:x	60	68	68	0.50	1.26	0.31	25.00	5 / 10	15 / 20 / 25
000198:63:x	63	71	71	0.52	1.20	0.28	25.00		5 / 10 / 15 / 20 / 25
000198:65:x	65	73	73	0.54	1.13	0.26	25.00		5 / 10 / 15 / 20 / 25
000198:70:x	70	78	78	0.58	1.01	0.26	25.00	5 / 10	15 / 20 / 25
000198:75:x	75	83	84	0.61	1.01	0.21	25.00	5 / 10	15 / 20 / 25
000198:76:x	76	85	85	0.62	0.94	0.21	25.00		5 / 10 / 15 / 20 / 25
000198:80:x	80	88	88	0.65	0.88	0.21	25.00	5 / 10 / 15 / 20	25
000198:90:x	90	99	99	0.80	0.76	0.15	25.00	5 / 10	15 / 20 / 25
000198:100:x	100	108	110	0.94	0.76	0.15	25.00	5 / 10 / 15 / 20	25
000198:102:x	102	111	111	0.95	0.71	0.15	25.00		5 / 10 / 15 / 20 / 25
000198:110:x	110	119	119	0.97	0.63	0.15	25.00	5 / 10	15 / 20 / 25
000198:115:x	115	124	124	0.98	0.63	0.15	25.00		5 / 10 / 15 / 20 / 25
000198:120:x	120	129	129	1.00	0.63	0.15	25.00	5 / 10 / 15 / 20	25
000198:125:x	125	134	135	1.07	0.63	0.15	25.00	5 / 10	15 / 20 / 25
000198:127:x	127	137	137	1.08	0.59	0.15	25.00		5 / 10 / 15 / 20 / 25

Extended Article Number	Nominal Size (DN) in mm	Outer diameter 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
000198:130:x	130	139	139	1.14	0.50	0.15	25.00		5 / 10 / 15 / 20 / 25
000198:140:x	140	149	149	1.21	0.50	0.10	25.00	5 / 10 / 15 / 20	25
000198:150:x	150	159	161	1.27	0.50	0.10	25.00	5 / 10	15 / 20 / 25
000198:152:x	152	162	162	1.30	0.50	0.10	25.00		5 / 10 / 15 / 20 / 25
000198:160:x	160	169	170	1.42	0.50	0.10	25.00	5 / 10 / 15 / 20	25
000198:170:x	170	179	180	1.56	0.38	0.10	25.00		5 / 10 / 15 / 20 / 25
000198:175:x	175	184	185	1.63	0.38	0.10	25.00		5 / 10 / 15 / 20 / 25
000198:180:x	180	189	190	1.70	0.38	0.10	25.00	5 / 10	15 / 20 / 25
000198:200:x	200	210	210	1.98	0.38	0.10	25.00	5 / 10	15 / 20 / 25
000198:203:x	203	213	213	2.00	0.36	0.09	25.00		5 / 10 / 15 / 20 / 25
000198:225:x	225	235	235	2.18	0.25	0.05	25.00	5 / 10	15 / 20 / 25
000198:250:x	250	260	260	2.33	0.25	0.05	25.00	5 / 10	15 / 20 / 25
000198:254:x	254	264	264	2.36	0.25	0.05	25.00		5 / 10 / 15 / 20 / 25
000198:275:x	275	285	284	2.47	0.25	0.05	25.00		5 / 10 / 15 / 20 / 25
000198:280:x	280	290	290	2.60	0.25	0.05	25.00		5 / 10 / 15 / 20 / 25
000198:300:x	300	310	310	3.20	0.23	0.05	20.00		5 / 10 / 15 / 20
000198:315:x	315	325	325	3.32	0.23	0.05	20.00		5 / 10 / 15 / 20
000198:325:x	325	335	335	3.40	0.23	0.05	20.00		5 / 10 / 15 / 20
000198:350:x	350	360	360	3.60	0.12	0.05	20.00		5 / 10 / 15 / 20
000198:400:x	400	411	410	4.45	0.12	0.05	20.00		5 / 10 / 15 / 20
000198:450:x	450	461	460	5.06	0.12	0.05	20.00		5 / 10 / 15 / 20
000198:500:x	500	511	510	5.70	0.12	0.04	20.00		5 / 10 / 15 / 20

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



Master-Grip Hose Clamp, screwable
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



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