



Flamex B-F se for machining centers

Article Master No.: 000389

PU Film Hose, PU Foil Hose, light duty, highly flexible and compressible, hardly inflammable acc. to DIN 4102 B1

transparent | flame retardant | compressible | very flexible | light | moderately pressure resistant

Product Details

Construction / Material

- Type of construction: film hose with embedded support coil
- Spiral Design: made of reinforced steel wire
- Material of the spiral: spring steel
- Execution of the wall: wall thickness between the spirals approx. 0.5 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 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: halogen-free, good resistance to chemicals, good resistance to petrol, good resistance to oil, plasticiser-free
- Mechanical Properties: compressible approx. 1:4, permanently kink-resistant
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant

Operating Temperature

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

Application Areas

- Areas of application: Plant & Mechanical Engineering, Wood

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
000389:200:x	200	211	120	2.13	0.25	0.030	25.00	10	5 / 15 / 20 / 25
000389:225:x	225	235	130	2.38	0.22	0.025	25.00		5 / 10 / 15 / 20 / 25
000389:250:x	250	262	140	2.66	0.20	0.025	25.00	10 / 15	5 / 20 / 25
000389:280:x	280	290	150	2.95	0.20	0.020	25.00	10	5 / 15 / 20 / 25
000389:300:x	300	312	185	3.17	0.16	0.020	25.00	10 / 15	5 / 20 / 25
000389:315:x	315	325	190	3.31	0.16	0.020	25.00	10	5 / 15 / 20 / 25
000389:350:x	350	362	210	3.69	0.14	0.020	25.00	10	5 / 15 / 20 / 25
000389:400:x	400	412	230	4.21	0.13	0.015	25.00		5 / 10 / 15 / 20 / 25

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



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



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



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



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



Individual consultation

We offer consultation by phone: **+49 209 97077 0**

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

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