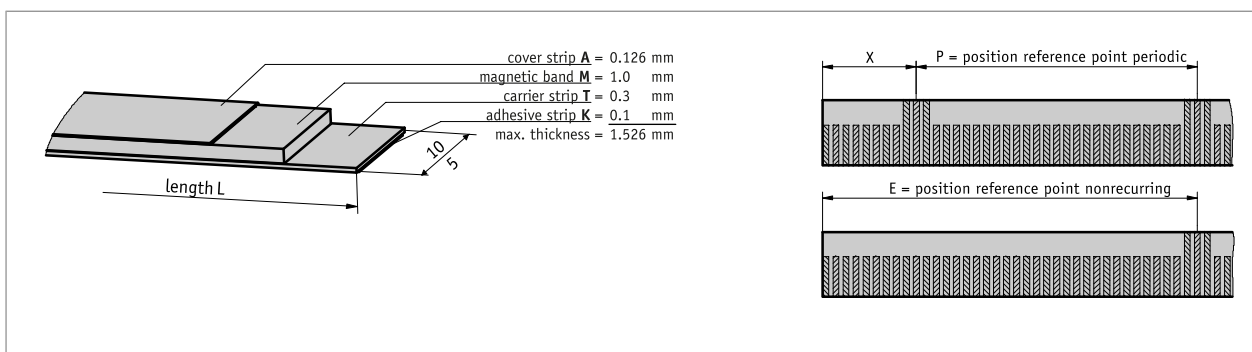
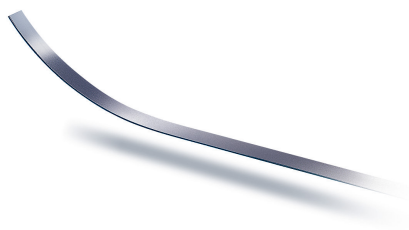


### Profile

- Easy adhesive mounting, self-assembly possible
- Reels up to 100 m available
- 1 mm pole length
- Linearity deviation up to  $\pm 8 \mu\text{m}$



### Mechanical data

Feature	Technical data	Additional information
Material	rustproof stainless steel	Cover strip
Band width	5, 10 mm	
Band thickness	1.4 mm	without cover strip
Mounting type	adhesive connection	double-sided tape premounted
Accuracy class	8, 20 $\mu\text{m}$	

### ■ Dimensions

Reference points [m]	
Fixed distance X	0.02
Periodic P	0.02, 0.08, 0.1, 0.2, 0.25, 0.32, 0.5
Onetime E	0.02, 0.06, 0.1, 0.2, 0.3, 0.42, 0.5

### System data

Feature	Technical data	Additional information
Pole length	1 mm	
Linearity deviation	$\pm 8 \mu\text{m}$ at $T_U = 20^\circ\text{C}$ $\pm 20 \mu\text{m}$ at $T_U = 20^\circ\text{C}$	
Measuring range	$\infty$	

### Ambient conditions

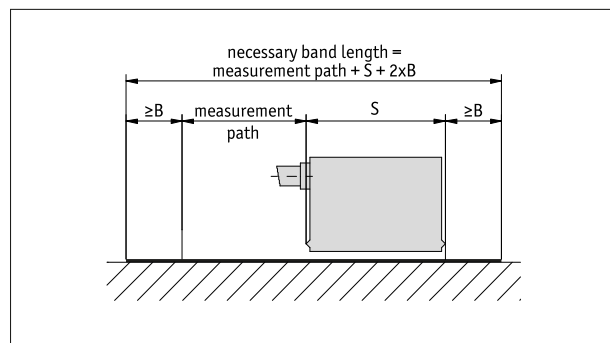
Feature	Technical data	Additional information
Ambient temperature	-20 ... 100 °C	
Storage temperature	-40 ... 100 °C	
Expansion coefficient	(11 ±1) × 10 <sup>-6</sup> /K (16 ±1) × 10 <sup>-6</sup> /K	spring steel stainless steel
Relative humidity	100 %	condensation admissible

### Order

#### ■ Ordering information

The necessary tape length is calculated from:  
Measured distance + sensor length "S" + (2 x forerun or overrun "B", resp.).

<b>S</b>	see the drawing of the sensor used
<b>B</b>	10 mm (forerun and overrun)



Symbolic representation

#### ■ Ordering table

Feature	Ordering data	Specification	Additional information
Configured length	<b>A</b> Länge	0 ... 100 m, in steps of 0.01 m	"ordering detail, see "Ordering information""
tapewidth	<b>B</b> 10 5	10 mm 5 mm	
Accuracy class	<b>C</b> 8 20	8 µm 20 µm	deliverable length max. 4.0 m deliverable length max. 100 m
material carrier tape	<b>D</b> St VA	steel stainless steel	
adhesive carrier tape	<b>E</b> TM TO	with without	
Cover strip	<b>F</b> AM AO	with without	
reference point	<b>G</b> 0 E P	without one-time periodic	only with 10 mm width only with 10 mm width
Position of reference point E	<b>H</b> ...	0.02, 0.06, 0.1, 0.2, 0.3, 0.42, 0.5 in m	indicate only if reference point E is chosen, ≤4.0 m
Position of reference point P	<b>I</b> ...	0.02, 0.08, 0.1, 0.2, 0.25, 0.32, 0.5 in m others on request	indicate only if reference point P is chosen, ≤4.0 m

#### ■ Order key

MB100/1 -  -  -  -  -  -  -  -  -  -

A      B      C      D      E      F      G      H      I

<b>Scope of delivery:</b> MB100/1
<b>Accessories you can find:</b> Installation tool ZB3054 <a href="http://www.siko-global.com">www.siko-global.com</a>