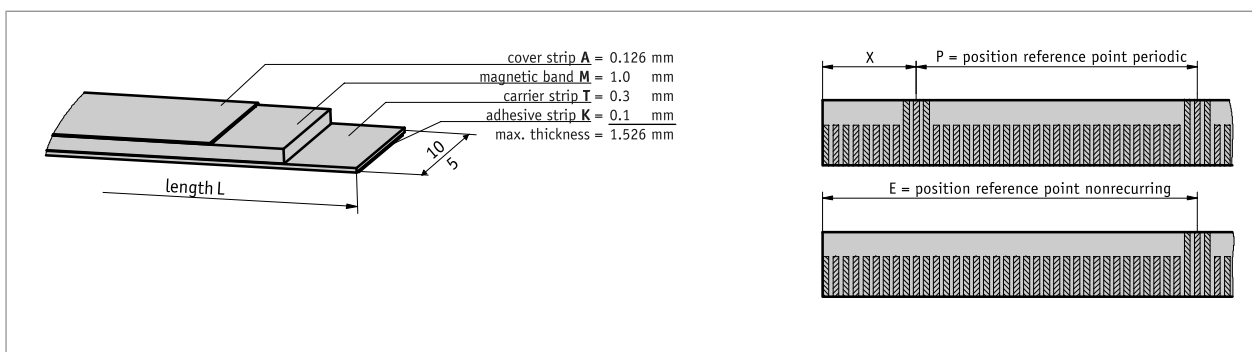
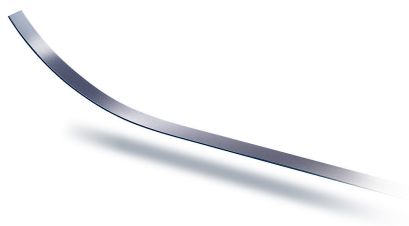


Profile

- 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 μm	

■ 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	∞	

Ambient conditions

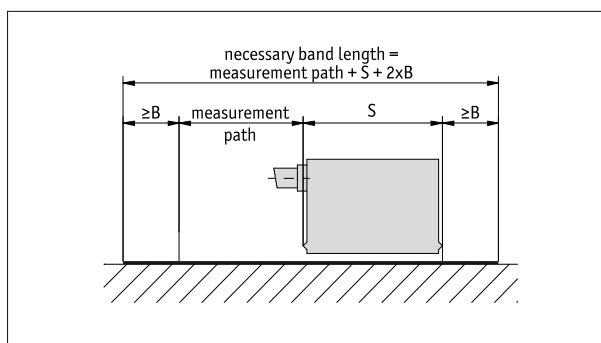
Feature	Technical data	Additional information
Ambient temperature	-20 ... 100 °C	
Storage temperature	-40 ... 100 °C	
Expansion coefficient	(11 ±1) × 10 ⁻⁶ /K (16 ±1) × 10 ⁻⁶ /K	spring steel stainless steel
Relative humidity	100 %	condensation admissible

Order

■ Ordering information

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

S	see the drawing of the sensor used
B	10 mm (forerun and overrun)



Symbolic representation

■ Ordering table

Feature	Ordering data	Spezifikation	Additional information
length	A ...	000.10 ... 100.00 m, in intervals of 0.1 m	"ordering detail, see "Ordering information""
width	B 10 5	10 mm 5 mm	
Accuracy class	C 8 20	8 µm 20 µm	deliverable length max. 4.0 m deliverable length max. 100 m
material carrier tape	D St VA	steel stainless steel	
adhesive carrier tape	E TM TO	with without	
cover strip	F AM AO	with without	
reference point	G 0 E P	without one-time periodic	only with 10 mm width only with 10 mm width
reference point position	H	0.02, 0.06, 0.1, 0.2, 0.3, 0.42, 0.5 in m 0.02, 0.08, 0.1, 0.2, 0.25, 0.32, 0.5 in m others on request	indicate only if reference point E is chosen, ≤4.0 m indicate only if reference point P is chosen, ≤4.0 m

■ Order key

MB100/1 - - - - - - - -

 Scope of delivery: MB100/1	
 Accessories you can find: Installation tool ZB3054	www.siko-global.com