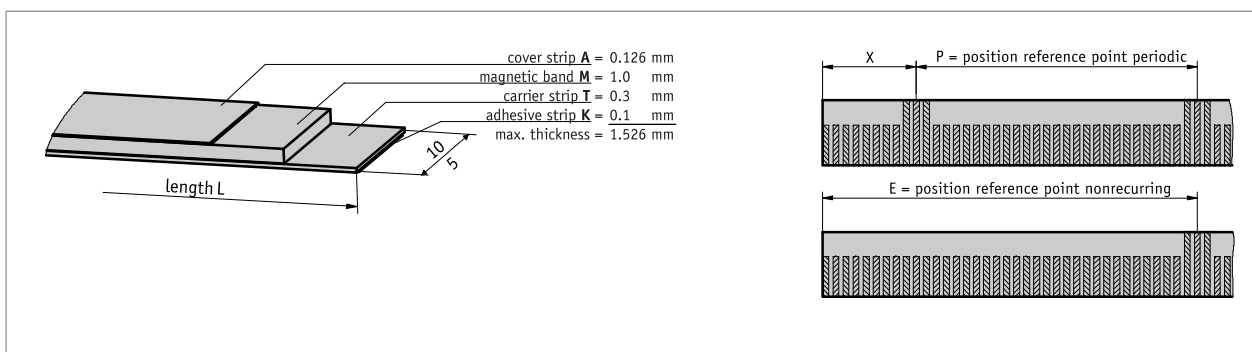
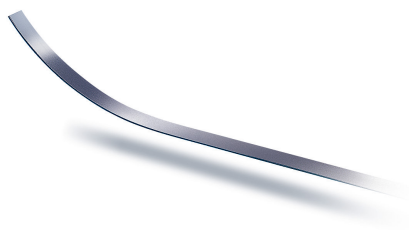


Profile

- Easy adhesive mounting, self-assembly possible
- Reels up to 100 m available
- Linearity deviation up to $\pm 35 \mu\text{m}$



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	35, 50 μm	

■ Dimensions

Reference points [m]	
Fixed distance X	0.05
Periodic P	0.2, 0.3, 0.5
Onetime E	0.05, 0.1, 0.2, 0.5, 1, 2

System data

Feature	Technical data	Additional information
Pole length	5 mm	
Linearity deviation	$\pm 35 \mu\text{m}$ at $T_U = 20^\circ \text{C}$ $\pm 50 \mu\text{m}$ at $T_U = 20^\circ \text{C}$	
Measuring range	∞	

Ambient conditions

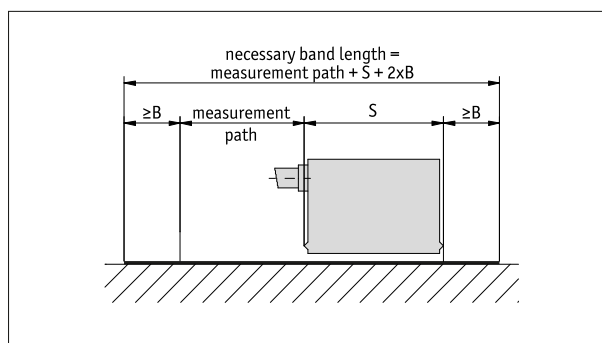
Feature	Technical data	Additional information
Ambient temperature	-20 ... 70 °C	
Storage temperature	-40 ... 70 °C	
Expansion coefficient	(11 ± 1) × 10 ⁻⁶ /K (16 ± 1) × 10 ⁻⁶ /K	spring steel stainless steel
Relative humidity	100 %	condensation admissible

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""
tapewidth	B 10/10 5	in mm	
Accuracy class	C 50 35	50 µm 35 µm	
material carrier tape	D St VA	steel stainless steel	
adhesive carrier tape	E TM T0	with without	
cover strip	F AM A0	with without	stainless steel
masking tape width	G 10.0 5.0		
reference point	H 0 E P	without one-time periodic	at width 10 mm optional with flexible reference mark, see accessories only with 10 mm width only with 10 mm width
reference point position	I	0.05, 0.1, 0.2, 0.5, 1.0, 2.0 in m 0.2, 0.3, 0.5 in m others on request	indicate only if reference point E is chosen, ≤5.0 m indicate only if reference point P is chosen

■ Order key

MB500/1 - - - - - - - - -

**Scope of delivery:**

MB500/1

**Accessories you can find:**

Installation tool ZB3054

Profile rail PS

Profile rail PS1

Protective band SB

Flexible reference mark

www.siko-global.com

www.siko-global.com

www.siko-global.com

www.siko-global.com

Order key 88436