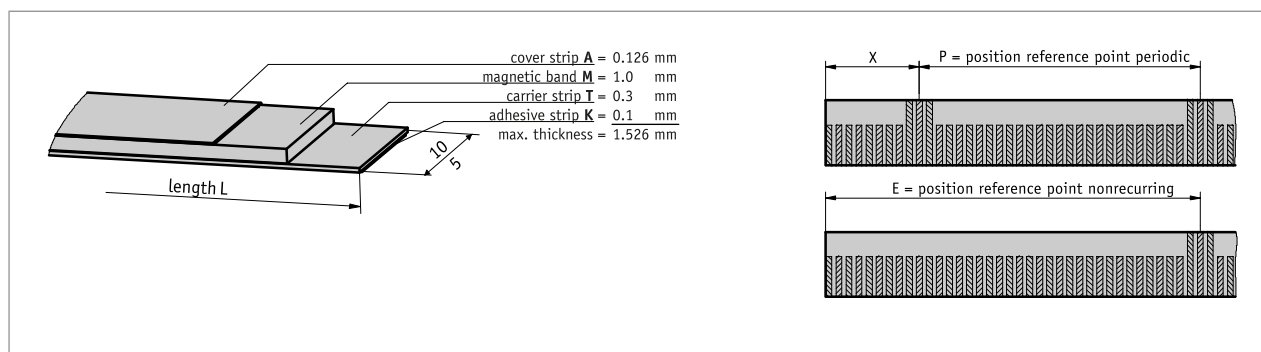
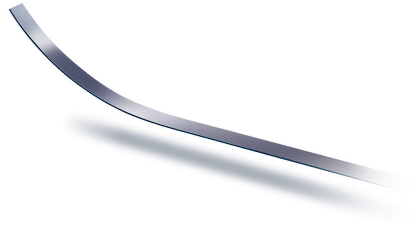


Profile

- Easy adhesive mounting, self-assembly possible
- Reels up to 100 m available
- Linearity deviation up to $\pm 50 \mu\text{m}$



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	50 μm	

■ Dimensions

Reference points [m]	
Fixed distance X	0.032
Periodic P	0.032, 0.32
Onetime E	0.032, 0.064, 0.096, 0.128, 0.3, 0.32

System data

Feature	Technical data	Additional information
Pole length	3.2 mm	
Linearity deviation	$\pm 50 \mu\text{m}$ at $T_U = 20^\circ \text{C}$	
Measuring range	∞	

Ambient conditions

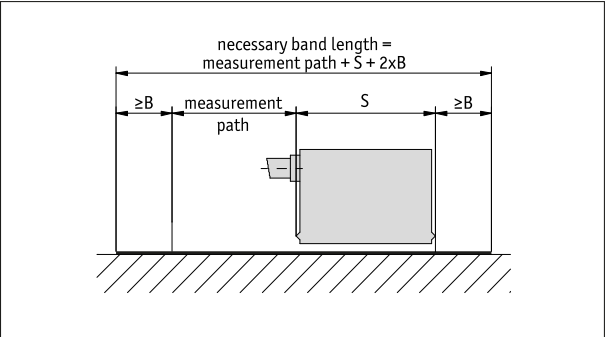
Feature	Technical data	Additional information
Ambient temperature	$-20 \dots 70^\circ \text{C}$	
Storage temperature	$-40 \dots 70^\circ \text{C}$	
Expansion coefficient	$(11 \pm 1) \times 10^{-6} / \text{K}$	spring steel
	$(16 \pm 1) \times 10^{-6} / \text{K}$	stainless steel
Relative humidity	100 %	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 5	in mm in mm	
material carrier tape	C St VA	steel stainless steel	
adhesive carrier tape	D TM T0	with without	
Cover strip	E AM A0	with without	stainless steel
reference point	F 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	G others on request	0.032, 0.064, 0.096, 0.128, 0.3, 0.32 in m 0.032, 0.32 in m	indicate only if reference point E is chosen, ≤5.0 m indicate only if reference point P is chosen

■ Order key

MB320/1 -

A

 -

B

 -

C

 -

D

 -

E

 -

F

 -

G

 **Scope of delivery:**
MB320/1

 **Accessories you can find:**
Installation tool ZB3054
Profile rail PS
Profile rail PS1
Protective band SB
Flexible reference mark

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