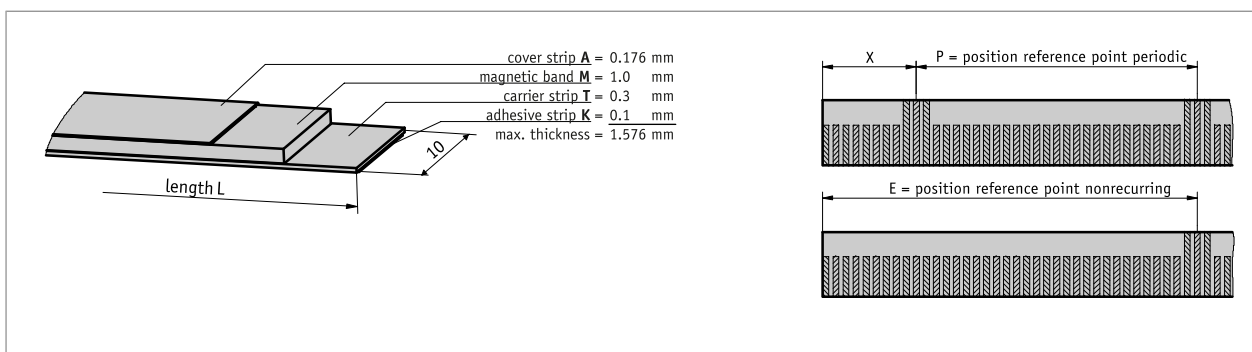
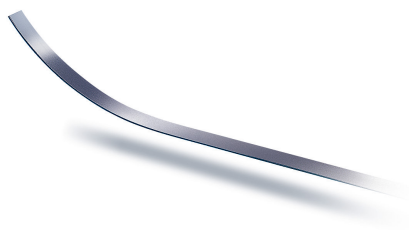


Profile

- Easy adhesive mounting, self-assembly possible
- Reels up to 100 m available
- 1.6 mm pole length
- Linearity deviation up to $\pm 15 \mu\text{m}$



Mechanical data

Feature	Technical data	Additional information
Band width	10 mm	
Band thickness	1.4 mm	without cover strip
Mounting type	adhesive connection	double-sided tape premounted
Accuracy class	15, 25 μm	

■ Dimensions

Reference points [m]	
Fixed distance X	0.02
Periodic P	0.08, 0.16
Onetime E	0.032, 0.16, 0.32

System data

Feature	Technical data	Additional information
Pole length	1.6 mm	
Linearity deviation	$\pm 15 \mu\text{m}$ at $T_U = 20^\circ\text{C}$ $\pm 25 \mu\text{m}$ at $T_U = 20^\circ\text{C}$	up to 4 m roll goods up to 100 m
Measuring range	∞	

Ambient conditions

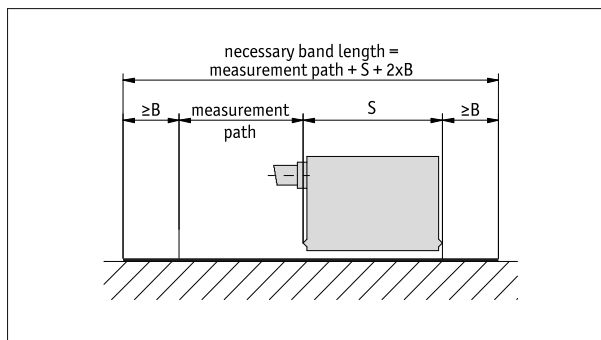
Feature	Technical data	Additional information
Ambient temperature	-20 ... 100 $^\circ\text{C}$	
Storage temperature	-40 ... 100 $^\circ\text{C}$	
Expansion coefficient	$(11 \pm 1) \times 10^{-6}/\text{K}$ $(16 \pm 1) \times 10^{-6}/\text{K}$	spring steel stainless steel
Relative humidity	100 %	condensation 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"""
Accuracy class	B 15	15 µm	deliverable length max. 4.0 m
	25	25 µm	deliverable length max. 100 m
material carrier tape	C St VA	steel stainless steel	
adhesive carrier tape	D TM T0	with without	
cover strip	E AM A0	with without	
reference point	F 0 E P	without one-time periodic	optional with flexible reference mark, see accessories
reference point position	G ...	0.032, 0.16, 0.32 in m	indicate only if reference point E is chosen, ≤4.0 m
	...	0.08, 0.16 in m	indicate only if reference point P is chosen, ≤4.0 m
	...	others on request	

■ Order key



 Scope of delivery: MB160
 Accessories you can find: Flexible reference mark

Order key 89976