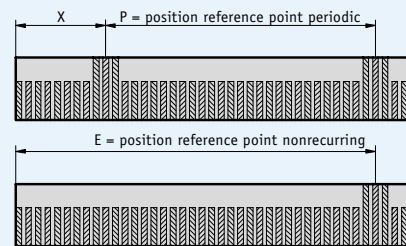
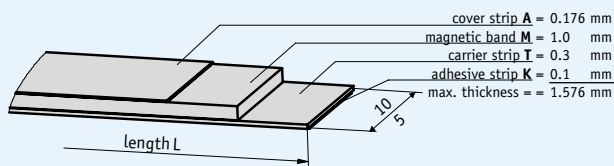


# Magnetic Band MB320

## Incrementally coded scale, pole length 3.2 mm

### Profile

- Easy adhesive mounting, self-assembly possible
- Pole length 3.2 mm
- System accuracy up to 100 µm



Reference points (all details in m)

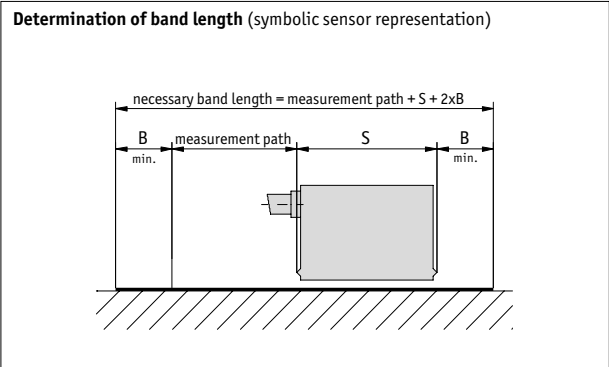
X	0.032
P	0.32, 0.64
E	0.032, 0.064, 0.128, 0.32

### Mechanical data

Feature	Technical data	Additional information
Pole length	3.2 mm	
Measuring length	infinite	
Band width	10 mm 5 mm	
Thickness	1.4 mm	without cover strip
Accuracy class	100 µm	
Temperature coefficient	$(11 \pm 1) \times 10^{-6}/K$ $(16 \pm 1) \times 10^{-6}/K$	spring steel stainless steel
Operating temperature	-20 ... +70 °C	
Storage temperature	-40 ... +70 °C	
Humidity	100 % rh	condensation permitted
Mounting type	glued joint	pre-assembled double-sided adhesive strip
Cover strip material	stainless steel	

**Order**

The necessary band length is calculated as follows:  
Measured path + sensor length "S" + (2 x lead-in and lead-out "B"). Sensor length "S" refer to the drawing of the employed sensor, lead-in and lead-out "B" = 10 mm.



■ **Order table**

Feature	Order data	Specifications	Additional information
Width	10	in mm	
	5	in mm	
Length of magnetic band	...	0.1 ... 90 m, in steps of 0.1 m	Order information, see "Determination of band length"
Carrier strip	St	steel	
	VA	stainless steel	
Adhesive carrier strip	TM	with	
	TO	without	
Cover strip	AM	with	stainless steel
	AO	without	
Reference point	0	without	
	E	one-time	only with width 10 mm
	P	periodic	only with width 10 mm
Position of reference point E one-time or	...	0.032, 0.064, 0.128, 0.320	indicate only if reference point E was selected
		others on request	max. 5.0 m
Position of reference point P periodic	...	0.32, 0.64	indicate only if reference point P was selected
		others on request	

■ **Order code**

MB320 -  -  -  -  -  -  -

**Scope of delivery:** MB320, User information

**Accessories:**

Profile rail PS Page 182  
 Protective strip SB Page 183  
 Cover rail PS1 Page 181

**Additional information:**

Short Description, Technical Details Page 46 cont.  
 Product Overview Page 4 cont.