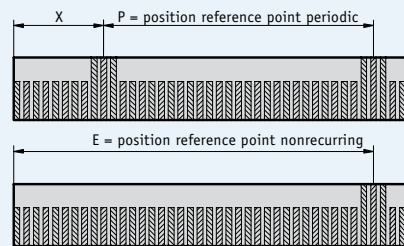
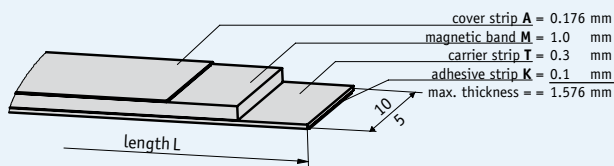


Magnetic Band MB320

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)

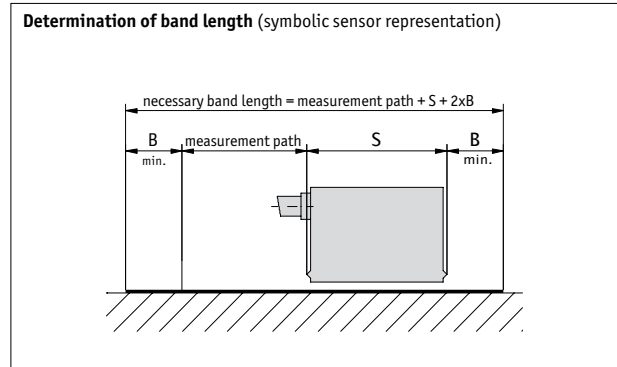
X	0.032
P	0.32, 0.64
E	0.032, 0.064, 0.128, 0.32

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

Order code

MB320 - - - - - - - - -

A B C D E F G H

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.