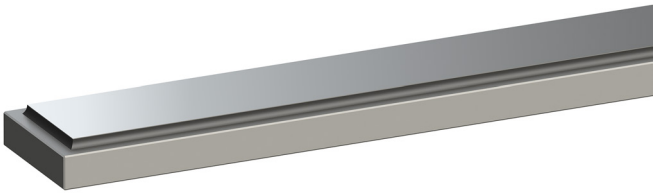
Magnetics that count

BOGEN

Counting

Controlling



LMSBI
Linear Magnetic Scale Bar Incremental

- Linear applications
- Different scale materials available
- Different pole pitches

Features

- From low to very high accuracy producible on demand
- One or multiple track magnetization
- Different scale geometries
- Customizable for many applications
- No attrition from usage
- Resistant to dust, cooling lubricant emulsion, oil, etc.
- Wide range of selectable magnetic scale characteristics
- A variety of magnetic materials for several applications

Simple solutions with the LMSBI
fixed – precise – economic

BOGEN produces magnetic scales and suitable accessories for a big variety of different applicaitons. The magnetic scale incremental bar can be attached with a scale written with one track or multiple tracks. Using different accuracy classes scales can be tailored to the requirements.

LMSBI - Rev1.2 (2017/01/12)

BOGEN Electronic GmbH · Potsdamer Straße 12-13 · 14163 Berlin · Germany
Fon +49 (0)30 81 00 02-0 · Fax +49 (0)30 81 00 02-60 · magnetics@bogen-electronic.com · www.bogen-electronic.com

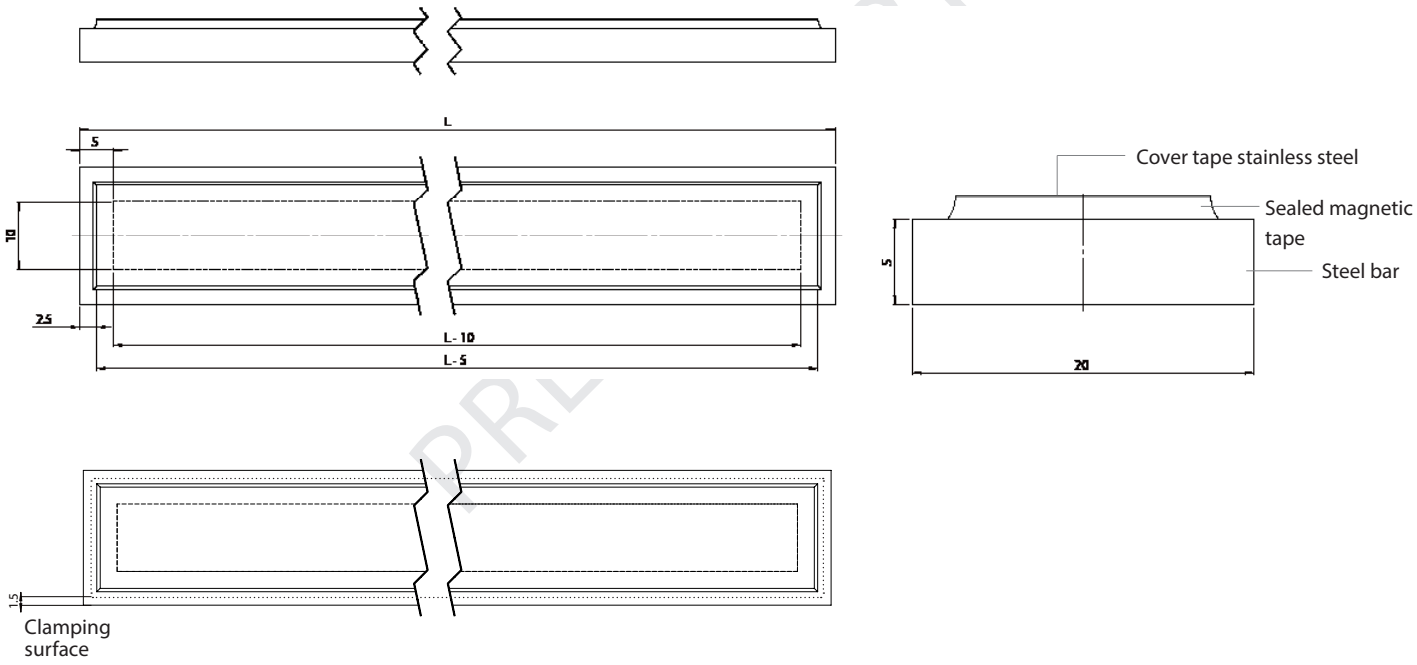
Linear Magnetic Scale Bar

Scale Bar Properties

Material*)	Cover tape: stainless steel Steel bar: steel Magnetic tape: elastomer bonded ferrite Sealing: silicon adhesive
Resistance to environmental influences	tbd
Magnetic flux density	tbd
Temperature range	tbd
Resistant to dust, cooling lubricant emulsion, oil, etc	tbd

*) please handle with gloves only (for rustproofing)

Dimensions



Optional Accessory

- clamping claws (on request)

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Order Code

Parameters

LMSBI	-	P	Z	L	A

			Code	Explanation [1]
Parammeters	**P**	**Pole Pitch (mm)**	P ...	0.5 to 2 mm (in steps of 0.01 mm)
	Z	**Reference Track**		**without reference track**
			Z	with reference track
	L	**Bar length (mm)** [2] [3]	L500	500 mm
			L1000	1000 mm
			L1500	1500 mm
			L2000	2000 mm
	A	**Accuracy Class**	A03	± 3 µm/m
			A10	± 10 µm/m
			A20	**± 20 µm/m**

[1] standard parameters are bold [2] measurement length = bar length - 10 mm [3] for lengths over 1300 mm extra freight charge will be billed

Ordering Example

LMSBI-P1.5ZL1000A20	Linear Magnetic Scale Bar Incremental, pole pitch 1.5 mm, with reference track, bar length 1000 mm, accuracy class ± 20 µm/m

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