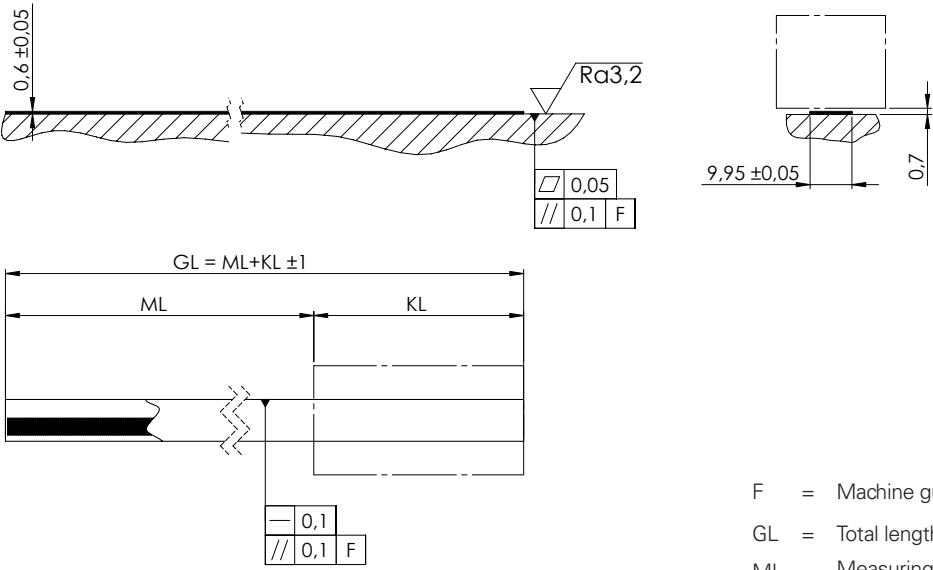



Scale tape to stick LMB 1005

- Scale tape to stick, for modular linear encoders
- Grating period 500µm
- In combination with scanning LMK 1005 or LMK 2005



F = Machine guidance
 GL = Total length
 ML = Measuring length :
 BF 20 / BF 21 : ML = GL - 49 mm
 BF 10 / BF 12 : ML = GL - 36 mm
 KL = Scanning head length :
 BF 20 / BF 21 : 49 mm
 BF 10 / BF 12 : 36 mm

 Tolerance principle in accordance with SO8015
 General tolerances in accordance with ISO 2768-fH
 All dimensions in mm

Technical data

Incremental scale tape	LMB 1005		
Grating period	500µm		
Accuracy class	± 20µm/m	± 20µm/m	± 50µm/m
Accuracy after linear compensation	± 3µm/m	± 5µm/m	± 10µm/m
Total length GL	Standard length see ordering code		
Mechanical design	Stainless steel scale tape with adhesive layer for mounting		
Reference marks	Single or distance coded reference marks – Customized reference mark positions on request.		
Coefficient of expansion	~ 11ppm/K		
Mass	40 g/m Total length		

Ordering code

- LMB - Incremental scale tape to stick for modular linear encoders
- Grating period 500µm

LMB 1005B - - MF-LB01-

Accuracy ¹⁾

3 = 3 µm/m (Total length ≤ 3000 mm)
5 = 5 µm/m (Total length ≤ 4600 mm)
10 = 10 µm/m (Total length ≤ 4600 mm)

Total length in mm

50 - 200	each 10 mm
200 - 500	each 20 mm
500 - 1000	each 50 mm
1000 - 3000	each 100 mm
3000 - xxxx	each 200 mm

Safety concept

MF = Fault exclusion for the loosening of the mechanical connection possible

Reference mark

ORM = Without reference mark
1RM-M = 1 Reference mark - middle
B050 = Reference mark 50mm from both sides
L25 = Reference mark 25mm from left
L50 = Reference mark 50mm from left
R50 = Reference mark 50mm from right
K120 = Distance-coded reference marks, nominal increment 120 grating period
K240 = Distance-coded reference marks, nominal increment 240 grating period

Type of graduation carrier

LB01 = Scale tape to stick

¹⁾ After linear length-error compensation in the evaluation electronics