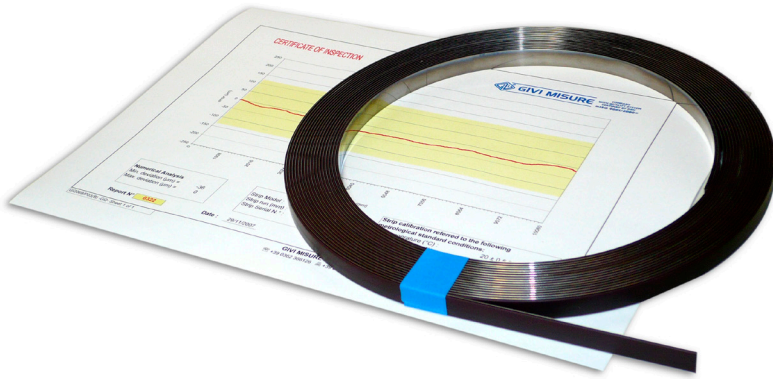


code **ST14** | project **A25** | release **C**



### GENERAL FEATURES

- Incremental magnetic band composed of a plastoferrite tape with 2.54+2.54 mm pole pitch, supported by a stainless steel carrier on which a double-sided tape is pre-mounted, for an extremely quick sticking and an easy fixing.
- Magnetic band MP 254R (to be used with MME lxxxR sensor) can have reference indexes positioned upon request, from left or right, at pitch of 5.08 mm or multiples.
- The magnetic band can be supplied with a nonmagnetic stainless steel cover (CV 103), already equipped with a double-sided tape for a quick sticking, or an aluminum protection support (SP 202).

### MP 254 - MP 254R

<b>Pole pitch</b>	2.54+2.54 mm
<b>Accuracy grade</b>	± 25 µm standard version * ± 13 µm special version *
<b>Width</b>	10 mm
<b>Thickness</b>	1.3 mm without double-sided tape   + 0.1 mm with double-sided tape
<b>Maximum length</b>	75 m
<b>Linear thermal expansion coeff.</b>	$10.6 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ T ref. = 20 °C ± 0.1 °C
<b>Bending radius</b>	130 mm <sub>MIN</sub>
<b>Operating temperature</b>	-20 °C ÷ 70 °C
<b>Storage temperature</b>	-20 °C ÷ 80 °C
<b>Magnetic band weight</b>	65 g/m
<b>Cover weight</b>	25 g/m

\* The declared accuracy grade of ± X µm is referred to a measuring length of 1 m.

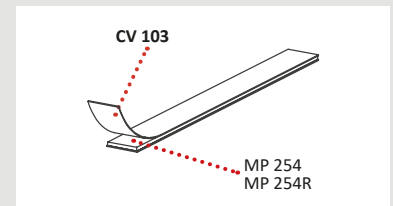
### INSTALLATION AND HANDLING

- Protect the band from external magnetic fields. Contact with any permanent magnet can irreparably damage the magnetic band.
- Do not stress mechanically the magnetic band. The magnetic band has to be rolled always in the same way (plastoferrite towards the outside), with a minimum bending radius of 130 mm.
- Clean carefully the fixing surface from oil, grease or any kind of dirt, using trace-free solvents.
- Place the band maintaining it aligned with the reader head. Make sure the magnetic part is facing the sensor.
- Place the eventual protective cover on the magnetic band.
- The maximum adhesion will be achieved after 48 hours from sticking.

### ACCESSORIES

#### CV 103

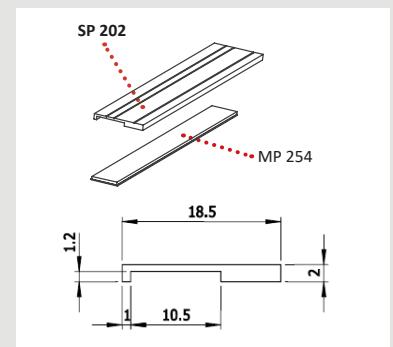
Stainless steel cover for protection



10 mm width - 0.3 mm thickness  
To be placed on the magnetic band.

#### SP 202

Aluminum support



To be fixed on the machine to protect the magnetic band.

#### ATTENTION:

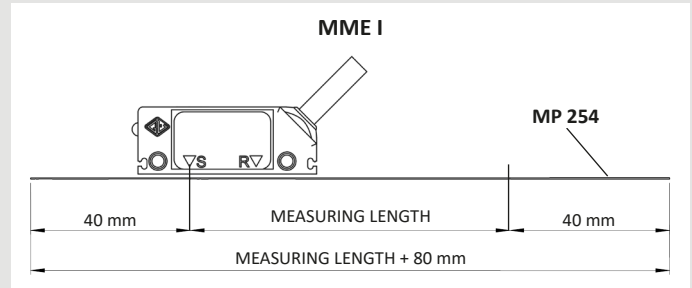
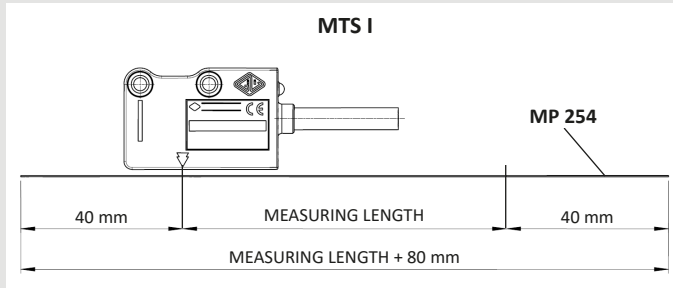
It is not possible to use the support SP 202 if the magnetic band is covered by CV 103.

It is not possible to use the support SP 202 with MP 254R magnetic band.

Without prior notice, the products may be subject to modifications that the Manufacturer reserves to introduce as deemed necessary for their improvement.

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### MAGNETIC BAND MP 254



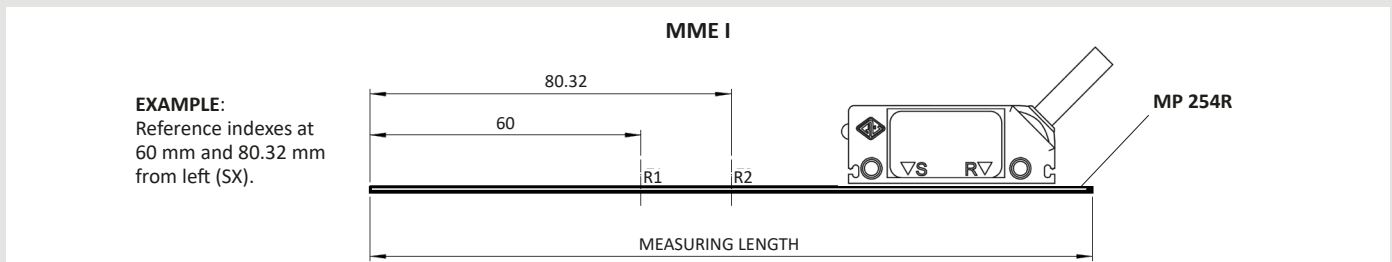
**IMPORTANT:** To guarantee the system accuracy, the magnetic band has to be 80 mm longer than the measuring length of the machine (40 mm for each side). During mounting, the magnetic band has to be adequately centered on the measuring length.

### ORDERING CODE

Example MAGNETIC BAND **MP 254 01000 STANDARD ACCURACY**  
Example COVER **CV 103 01000**

Model	Length in mm	Accuracy grade	Accessories	Length in mm
MP 254	01000 = 1 m 20000 = 20 m	Standard accuracy Special accuracy	CV 103 SP 202	01000 = 1 m 20000 = 20 m

### MAGNETIC BAND MP 254R



Example MAGNETIC BAND **MP 254R 01000 Zero 60 mm and 80.32 mm SX STANDARD ACCURACY**  
Example COVER **CV 103 01000**

### ORDERING CODE

Model	Length in mm	Reference indexes	Accuracy grade	Accessories	Length in mm
MP 254R	01000 = 1 m 20000 = 20 m	Zero XX mm - XX mm - ... SX	Standard accuracy Special accuracy	CV 103	01000 = 1 m 20000 = 20 m