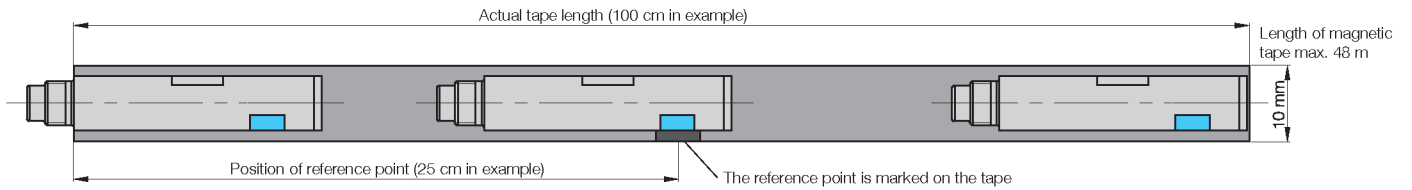


S1A/S1F Series

Magnetic tape

Position of single reference point using example of BML-M02-I34-A3-M0100-R0025/0000



Typical position of reference points in sensor head



Pre-assembled magnetic tape

BML-M _-I3 _-A _-M _- - - - -

	Housing	Accuracy class	Cover strip	Length in cm	Reference point type	Reference point positions
02	1.55 mm thick, with adhesive strip	4 8 μ m, overall accuracy	3 With cover strip (thickness 0.15 mm)	Ordered length	R No reference point or 1 to 2 reference points or pole-periodic reference point	0000 None or pole-periodic
03	1.35 mm thick, without adhesive strip	5 18 μ m, overall accuracy	0 Without cover strip			xxxx/ Position of max. 2 reference points
04	1.15 mm thick, inverse, without adhesive strip	$\pm 20 \mu$ m			C Fix-periodic reference point	Type C only: 0002, 0005, 0010, 0020 or 0050 (one point at 6 cm, all others at yyyy cm)

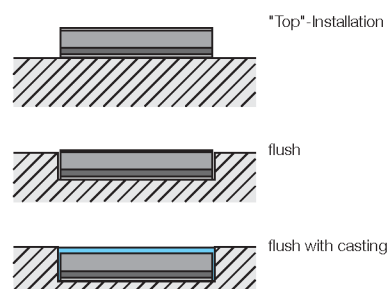
Ordering example: magnetic tape by the roll

BML-M02-I3 _-A0-T _- - - -R0000

	Accuracy class	Length
4	8 μ m, overall accuracy $\pm 10 \mu$ m	0500 5 m
5	18 μ m, overall accuracy $\pm 20 \mu$ m	1000 10 m
		2400 24 m
		4800 48 m

Magnetic tape mounting options

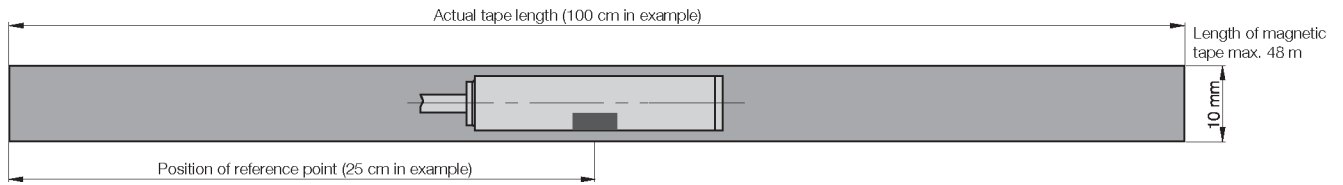
(also in magnetizable material)



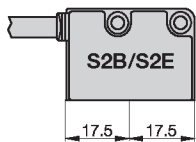
S2B/S2E/S1C Series

Magnetic tape

Position of single reference point using example of BML-M02-I45-A0-M0100-R0025/0000



Typical position of reference points in sensor head



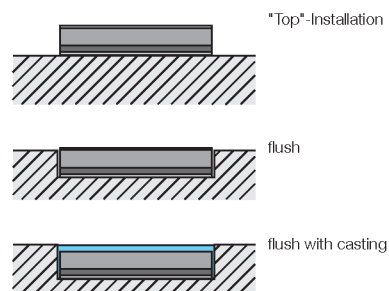
Ordering example:

BML-M _-I4_-A_-M _-R _- _-

	Housing	Accuracy class	Cover strip	Length in cm	Reference point type*	Reference point positions
02	1.55 mm thick, with adhesive strip	5 18 µm, overall accuracy	3 With cover strip	Ordered length	R No reference point or 1 to 2 reference points or pole-periodic reference point	0000 None or pole-periodic
03	1.35 mm thick, without adhesive strip	6 50 µm, overall accuracy	0 Without cover strip			xxxx/ Position of max. 2 reference points
04	1.15 mm thick, inverse, without adhesive strip	±100 µm (S2E... and S1C... only)				

* For BML-S1C only R0000 (no reference point)

Magnetic tape mounting options (also in magnetizable material)



Accessories

Magnet rings

Special solutions for a range of applications

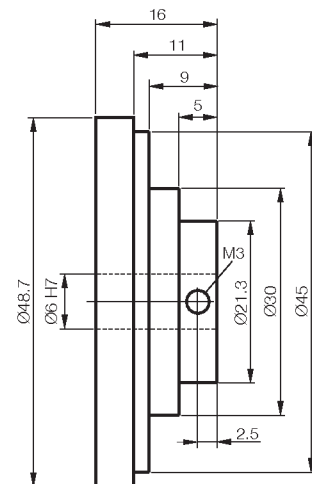
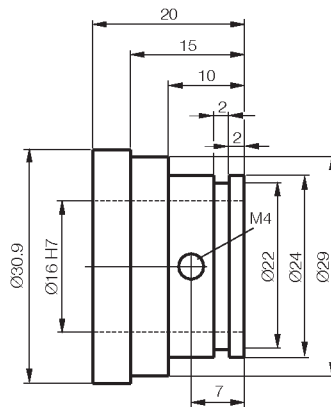
Magnetic rings are suitable for all types of application where the monitoring of rotary movements is required. Due to the high resolution, synchronous run monitoring is just as easy to implement as precision angle positioning.

Balluff offers a range of standard rotary tapes that are suitable for most types of application. Due to the wide variety of different machine applications, special dimensions and magnetic configurations are available on request.

Even linear tapes have been used successfully in rotary applications. For example, the magnetic tape can be attached to the shaft of a solar panel unit to monitor whether the panel is aligned perfectly with the sun. Balluff also offers prefabricated magnetic tapes with holes for convenient, simplified installation.



Series	Sensor range B/C/E	Sensor range B/C/E
Ordering code	BML002T	BML002R
Part number	BML-M22-I40-A0-M031/016-R0	BML-M21-I40-A0-M048/006-R0
With hub	■	■
Material	Hard ferrite/aluminum	Hard ferrite/aluminum





Accessories

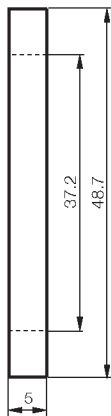
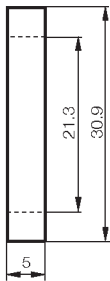
Magnet rings

Special solutions for even greater performance.
Do not hesitate to contact us.



Magnet rings
Counter displays
Sensor guide
Technical
selection guide

Sensor range B/C/E	Sensor range B/C/E	Sensor range B/C/E
BML002L	BML002M	BML002N
BML-M20-I40-A0- M031/021-R0	BML-M20-I40-A0- M048/037-R0	BML-M20-I40-A0- M072/054-R0
Hard ferrite	Hard ferrite	Hard ferrite

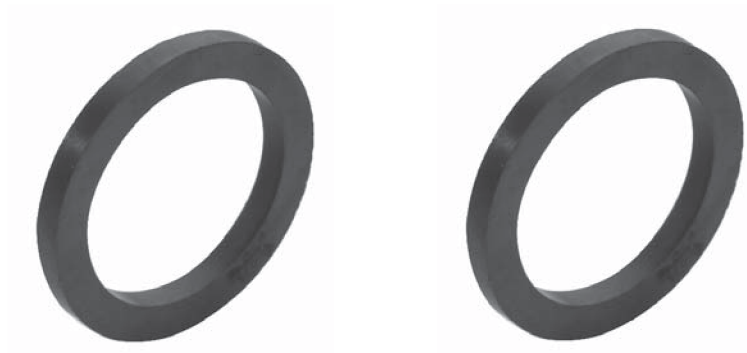
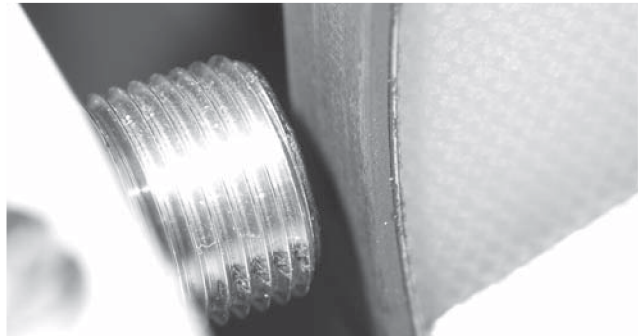


Accessories

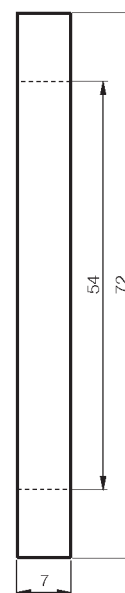
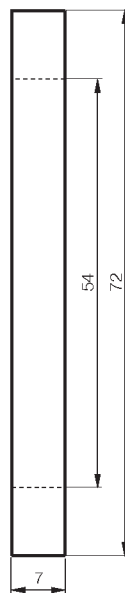
Magnet rings

Speed monitoring in rotary applications: so much easier.

Designed for the B/C/E range of sensors, the magnetic rings and tapes shown here allow you to measure speed, even in combination with switching magnetic field sensors from the BMF series. The sensor BMF 12M-PS-C-2-S4 with standard M12 thread is suitable for a wide range of applications and can be installed as close as 2 mm from the magnet. A pulse signal that represents the rotary speed is issued at the switching output. The sensor can detect frequencies up to 7 kHz and measure speeds of up to 20000 rpm, depending on the selected tape.



Series	Sensor range B/C/E	Sensor range A/F
Ordering code	BML002P	BML002K
Part number	BML-M20-I40-A0- M072/054-R1	BML-M20-I30-A0- M072/054-R0
With reference mark		
Material	Hard ferrite	Hard ferrite





Accessories

Magnet rings



Magnet rings
Counter displays
Sensor guide
Technical selection guide

Sensor range A/F

BML01EW

BML-M30-I30-A0-M122/090-R0

Elastomer on steel ring with fit H7

Sensor range A/F

BML01KM

BML-M31-I30-A0-M075/060-R0

Elastomer on steel ring with fit H7

