

Main features

EGM series encoders are recommended as feedback control systems mounted on electric motors, thanks to their specific mechanical design that allows reduced overall dimensions.

- Compact dimensions
- Absence of physical contact between encoder and motor shaft
- High temperature resistant
- High resolution and precision
- High protection rating
- High operating speed
- Excellent mechanical strength
- Easy mounting

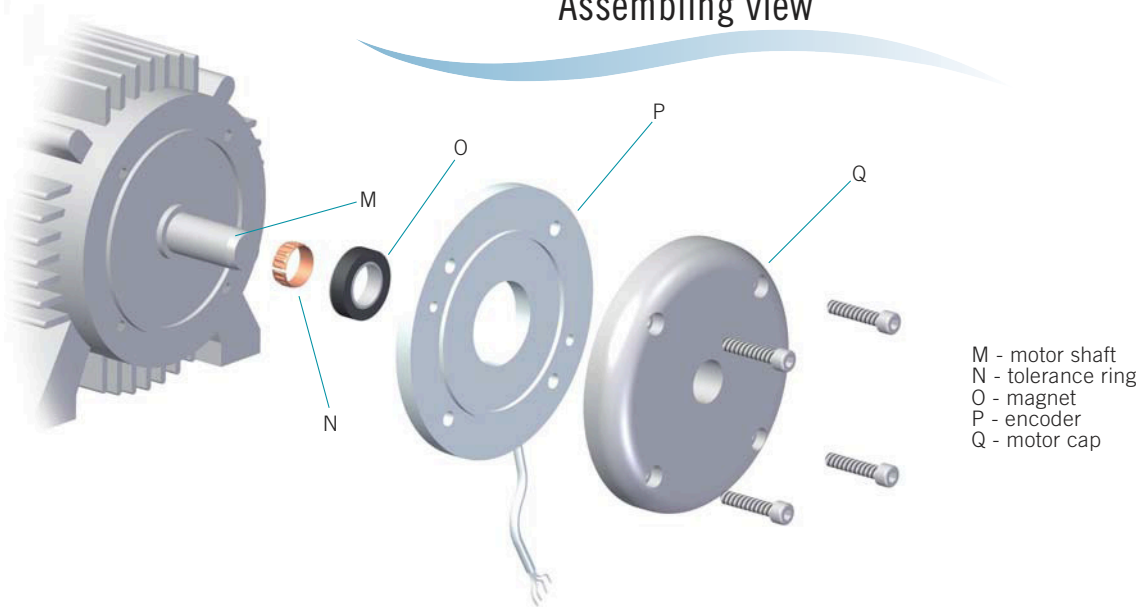


Ordering code

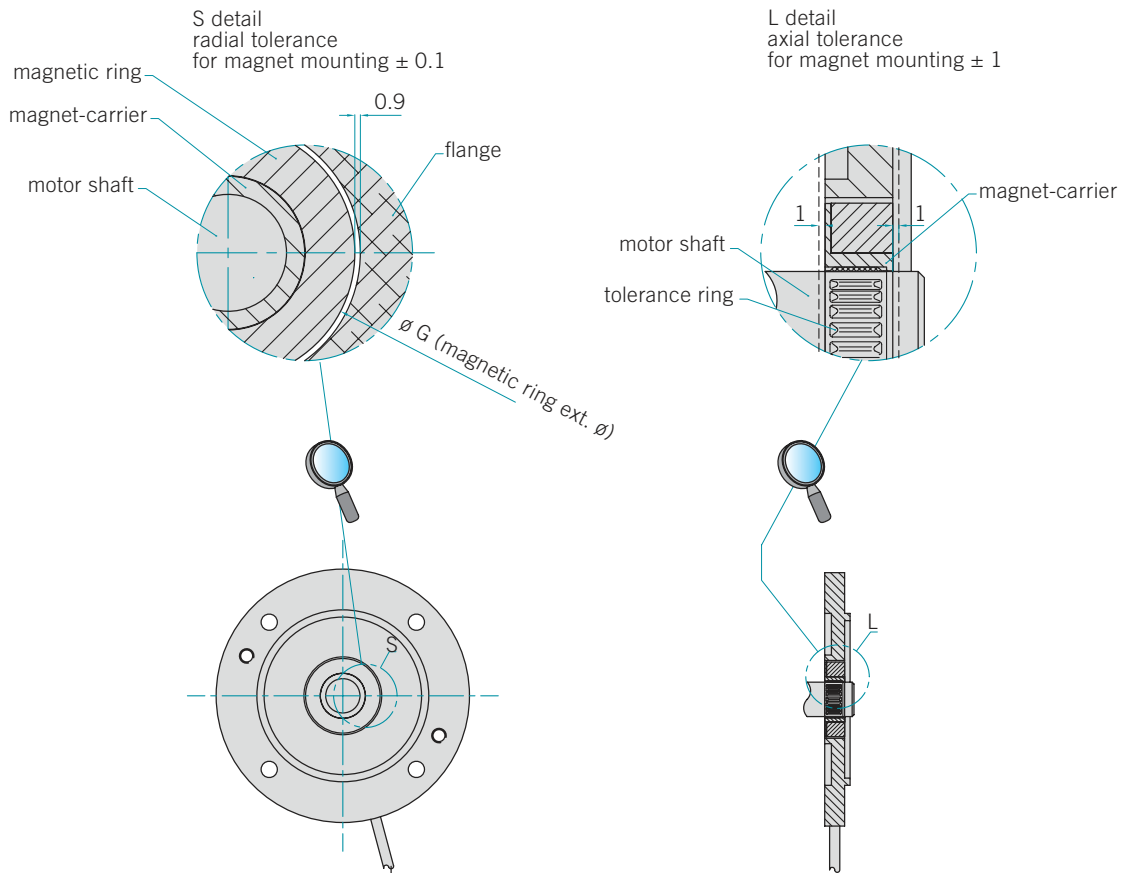
EGM 120 A 2048 S 5 P 9 S 8 PR . XXX										
flange type magnetic incremental encoder	EGM	105 / 120 / 140 / 160 / 200 size	Type of flange standard	Resolution (only powers of 2) ppr from	Zero pulse without zero pulse with 64 zero pulses (32 pulses for \varnothing greater than 21 mm)	Power supply 5 V DC 8÷24 V DC	Output type push-pull line driver	Max. rotation speed 8000 RPM	Enclosure rating IP68	Bore diameter (magnet-carrier) from 5 to 35 mm <i>please contact directly our offices for further measures</i>
			A	64 to 16384	S Z	5 8/24	P L	8	S	PR radial cable output (standard length 1.5 m)
										XXX special version code numbered from 001 to 999

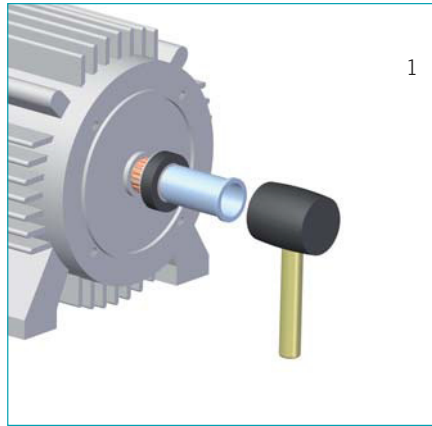
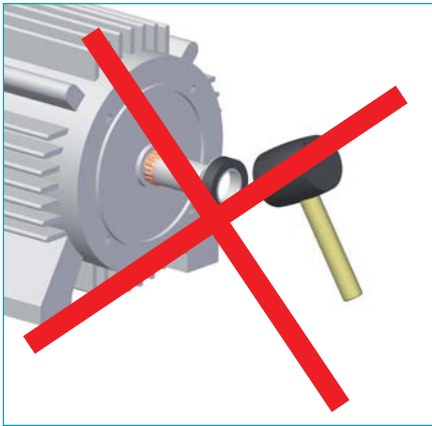
full stop to separate special versions

Assembling view



Mounting tolerances





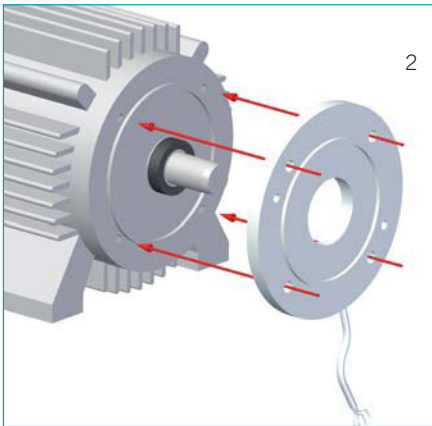
1

HOW TO MOUNT IT

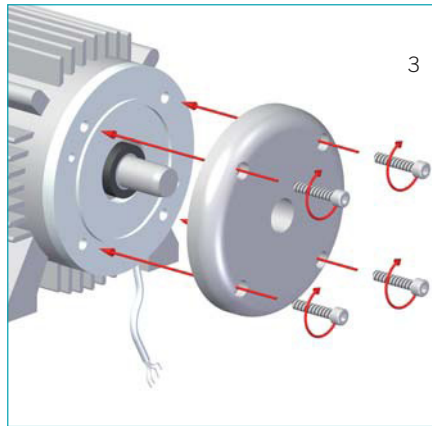
Don't hit the magnetic ring with hard objects to avert breaking or damage!

Keep the magnetic ring away from magnetic fields to prevent distortion of magnetic pattern!

- 1) Slip the tolerance ring (N) on to the motor shaft; then slip the magnet (O) on to the tolerance ring till the stop, pressing lightly only on the steel surface of the magnet-carrier. It is recommended to use tools like those represented in the figure below to perform this action correctly.
- 2) Couple the encoder to the motor flange.
- 3) Fix the encoder by suitable screws.



2



3

Magnet mounting precautions

