

PRODUCT INTRODUCTION

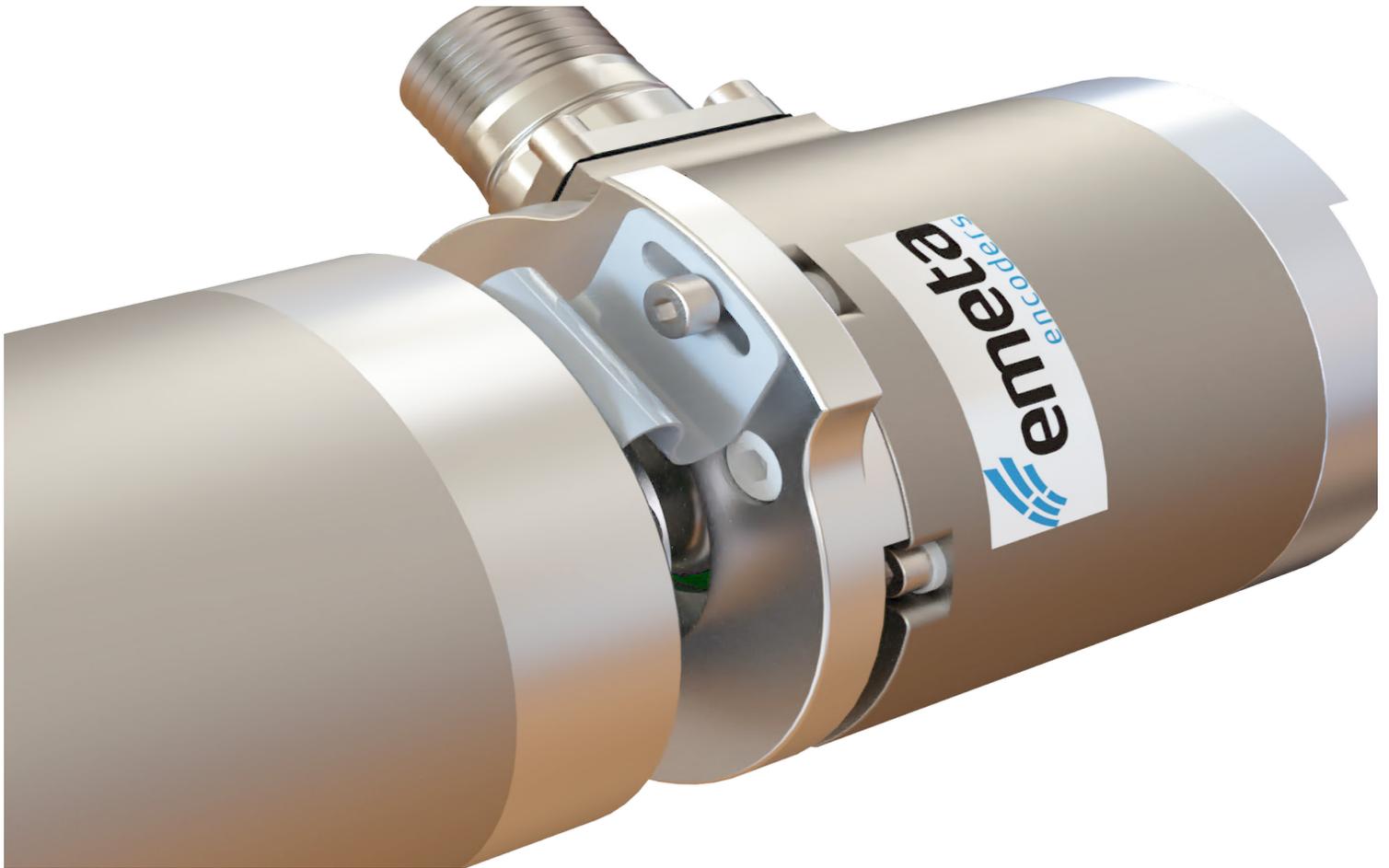


MB490

Robust Incremental Encoder-Series for use in harsh and demanding environments.

A new solution from Emeta to offer a variation in creating redundancy for your application.

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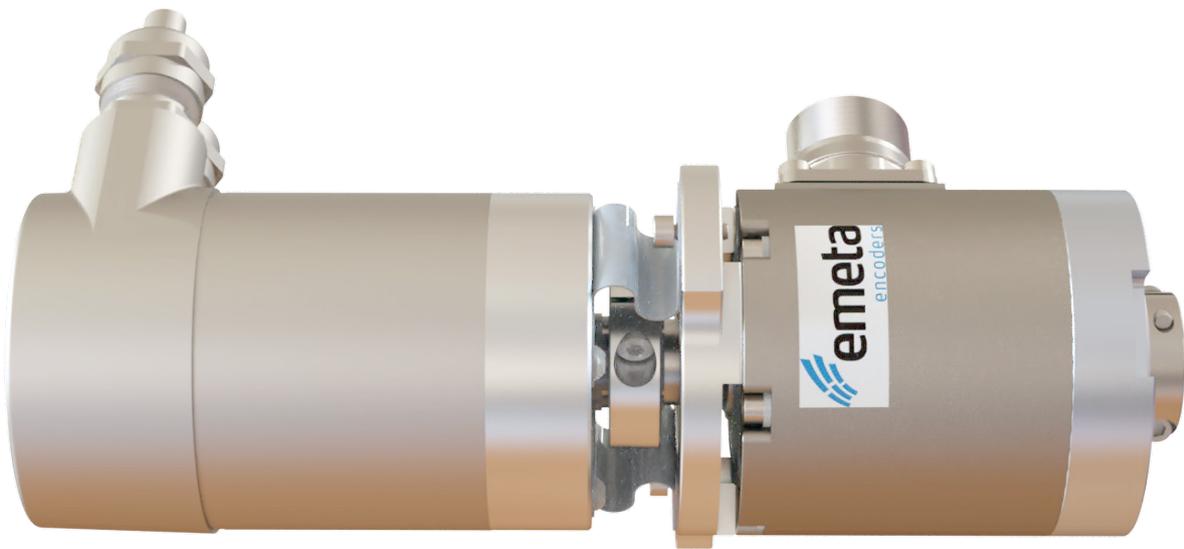
MB490

The story of the creation of the MB490

Through one of our many projects the idea to be able to mount an encoder of choice together with our MB480-series encoder to create redundancy, the MB490-series was brought to life. The need for a smaller yet robust encoder filled a gap due to space and ease of fitting the encoders to the application. Also simplifying maintenance and securing a faster way to replace or change encoder if so needed.

The MB490 comes with a semi hollow shaft and consist of a mounting plate fixed to the back of the encoder. The sturdyness of the ceramic bearings and the robustness of the 60mm housing creates a perfect redundant solution.

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The basics

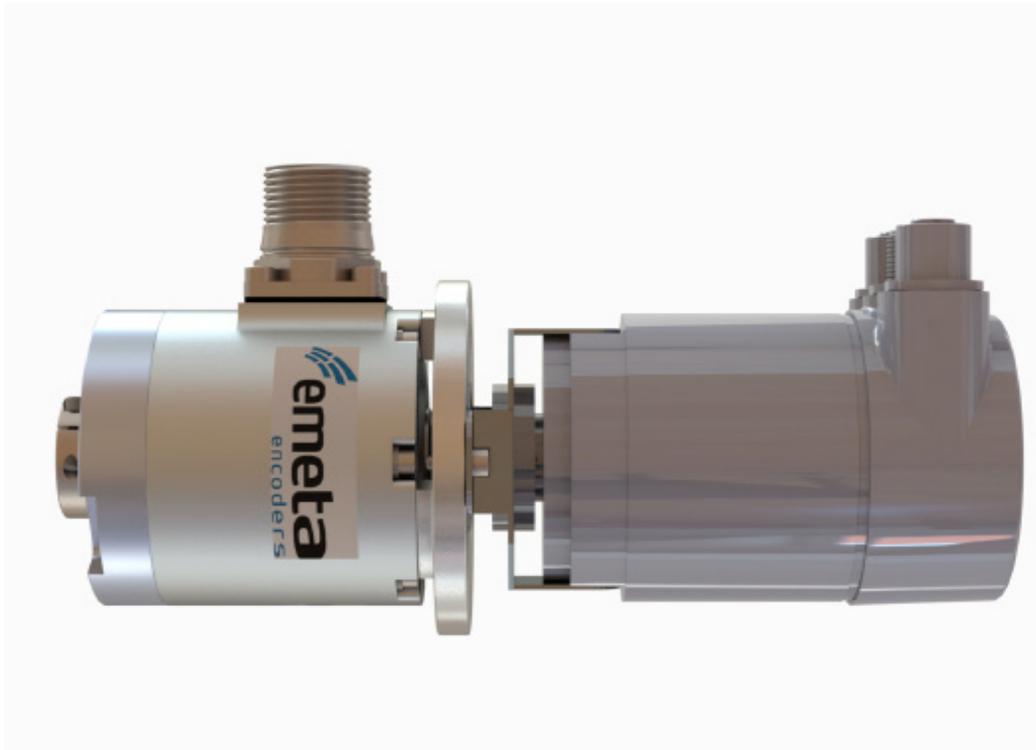
The MB490 consist of a mountingplate fixed to the back of the encoder. The sturdyness of the ceramic bearings and the robustness of the 60mm housing makes the construction ideal for adding the payload of an extra encoder. The encoders shaft variations makes the MB490 a versetile around encoder that can fit lots of applications. For instance the MB490 is available with:

- Front end shaft: 15 or 16 mm semi hollow shaft
- Back end solid shaft: standard seize 15 mm

Also additional options available upon request:

- Front end solid shaft seize option: 12-25mm
- Front end shaft semi hollow shaft seize option: 12mm to max 16mm
- Back end solid shaft seize option: 10 to max 17 mm

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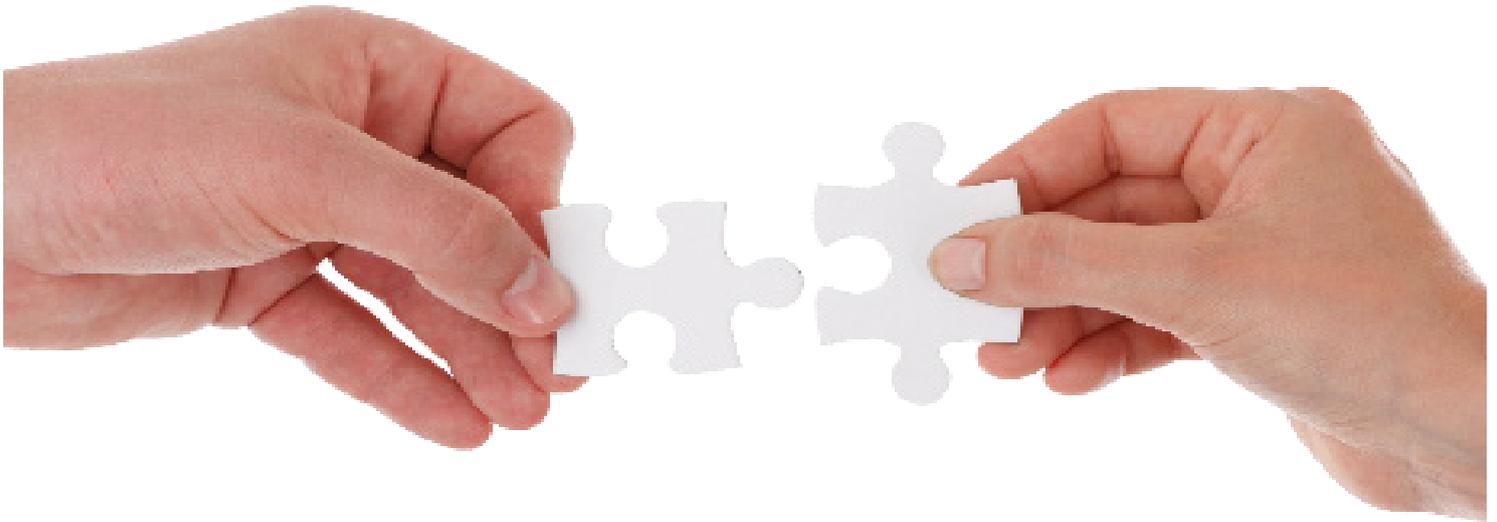
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Specifications

Below some of the specifications can be found. For a full overview please refer to the datasheet.

- Aluminum housing, electrically conductive for increased interference protection
- Ceramic non conductive bearings
- Short circuit and reversed polarity proof
- Dust and waterproof IP67
- Standard 7-35Vdc or 5Vdc Power Supply
- 2 Square Wave Signals, 300kHz
- Marker Pulse, Inverted Signals
- HTL or TTL
- 3 types of connections
 - A Radial M23 Male Connector, CCW
 - B Radial cable, 5m 8x0,25 TP/PUR with screen
 - C Terminal box with cable gland for $\phi 6$ - $\phi 12$ mm

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Customer satisfaction

We aim to please our customers and their needs. We offer our support regarding your Emeta products during the lifespan of the product.

We at Emeta strive for a close relationship with our customers and are happy to help out with new projects. Most of our encoders can be customized upon request so if you have any special requirements feel free to contact us!

Emeta Encoders

Skogsvägen 1
645 34 Strängnäs
SWEDEN

+46(0)152-33 11 90
info@emetaencoders.com

For more info please visit www.emetaencoders.com

