MICRONOR®
optical sensors

FIBER OPTIC ENCODER ACCESSORIES
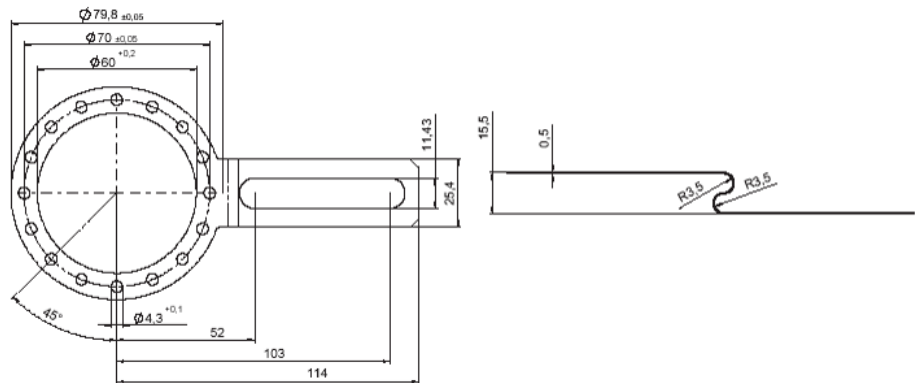## MR314A Tether Arm Kit for Size 100mm Hollow Shaft Encoders

The MR314A Tether Arm is a popular method for mounting MR314/MR324/MR344 series and other Size 100mm Hollow Shaft Encoders by Micronor.

Features

- Prevents radial play of the encoder
- Necessary axial play remins intact
- Material: Mounting Bracket=Stainless Steel, Screws=Galvanized Steel, Washers=Plastic
- Kit includes: Flexible spring device (tether arm), 3 screws, shoulder washer, flat washer

Tether Arm shown mounted on Size 100mm Hollow Shaft Encoder

Mounting Instructions

1. Check that there are no burrs on the mating shaft and that shaft dimensions are correct for the encoder.

2. Attach the Tether Arm to the encoder body using the supplied hardware. Use thread locker to make sure screws do not work loose during operation. Slide the assembly onto the mating shaft. Do not use excessive force.

3. Position Tether Arm and encoder for best alignment with fixing screw on stationary motor body.

4. Check to make sure that the tether is minimally stressed, and then firmly tighten the shaft clamp to secure encoder to motor shaft.

5. If possible, check for excessive runout because excessive runout will cause premature bearing failure.

NOTE: The plastic shoulder washer and flat washer set may be used to prevent motor shaft induction current flow thorugh the encoder.