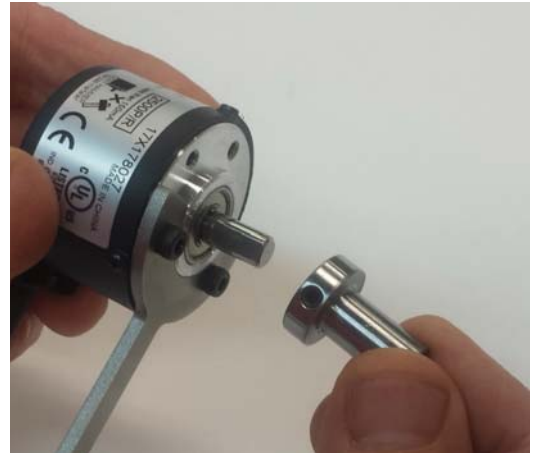


# Rotary Encoder Flat Mount Instructions

Many small cams can have very little metal for the standard rotary encoder mount to hold the encoder securely. Any slippage between the cam and encoder will introduce significant errors in your measurements. The Rotary Encoder "Flat Mount" can solve this problem.

Install center hub on rotary encoder shaft. Set screw should align with flat on shaft. Tighten down with some clearance between hub and encoder so there is no rubbing and shaft turns freely.



Slide 3 magnets on shaft. Three magnets are used to provide more holding force.

Slide insert into pilot hole on hub. Each insert is custom made to fit the particular ID and depth for the end of your cam. There will be some clearance between the insert OD and your cam's ID. Any small misalignment on centering will not introduce significant errors in your measurements.



Attach the magnetic hub and insert into the end of your cam. The magnets will hold it in place.

The last picture shows the encoder and mount installed on the cam on the V block, and the encoder arm resting on the dowel pin from the V block.

