

# MB-FB2D-1

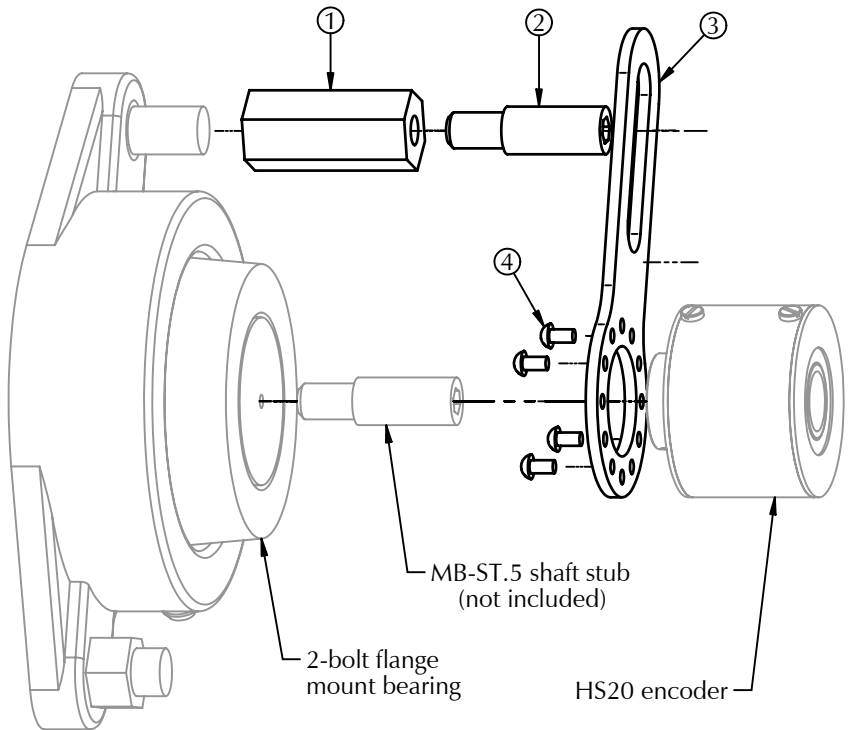
# Hollow shaft encoder mounting

## DESCRIPTION

The MB-FB2D-1 provides a means to mount the model HS20 hollow shaft encoder to a conveyor roller that is supported by a 2-bolt flange mount bearing with a bolt spacing of 3.75" to 6.75". It is commonly used with the MB-ST.5 shaft stub (not included) that is attached to the end of the conveyor roller and supports the HS20 encoder. The MB-FB2D-1 provides a rigid tether, locked in place by a second MB-ST.5 shaft stub (included) that prevents the HS20 from rotating, yet has free non-rotational movement, thus avoiding excess load on the encoder bearings. A coupling nut anchors the tether shaft stub to one of the 3/8" threaded mounting studs of the flange bearing.

## INSTALLATION

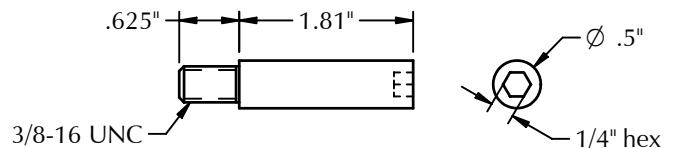
1. If using the MB-ST.5 shaft stub (purchased separately) drill and tap a 3/8-16 hole, at least 5/8" deep into the end of the conveyor shaft. Insert the MB-ST.5 shaft stub or equivalent. The shaft stub should be in-line with the shaft axis, so there is minimum wobble when the shaft is rotating.
2. Fasten the MB-FB2B rigid tether to the face of the encoder using the four 6-32 screws (supplied).
3. Attach the coupling nut and the shaft stub to one of the 3/8" threaded mounting studs of the flange bearing as shown. It may be necessary to remove the existing 3/8" nut.
4. Install the HS20 onto the shaft stub (MB-ST.5 or equivalent), such that the slot of the rigid tether fits over the second shaft stub as shown. Tighten the encoder set screws.



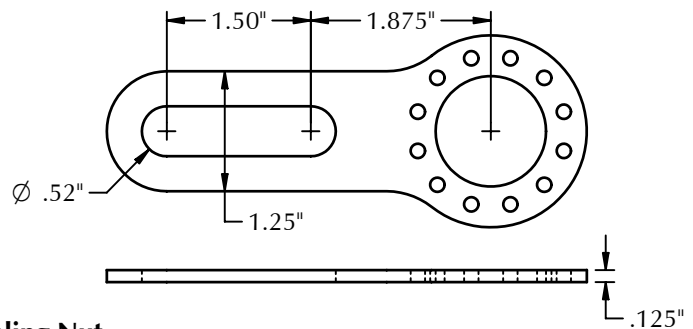
### MB-FB2D includes the following parts

#	Description	Part No.	Qty
1	Coupling nut	500-MCH118-1	1
2	MB-ST.5 shaft stub	500-MSC-ST.5	1
3	MB-FB2B rigid tether (aluminum)	500-MCH110	1
4	6-32 x 1/4" round head screw	550-SCR200	4

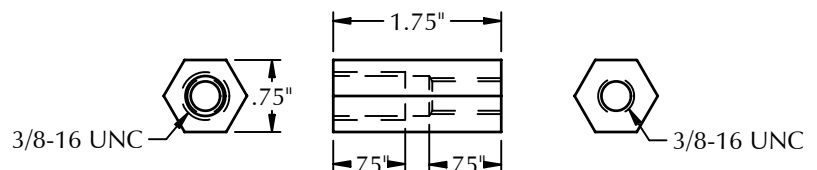
### MB-ST.5 Shaft Stub



### MB-FB2B Rigid Tether



### Coupling Nut



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**HOTOCRAFT INC**

602 E. North Street **630-365-7148**  
Elburn, IL 60119, USA Fax: 630-365-7149  
[www.photocraftencoders.com](http://www.photocraftencoders.com)