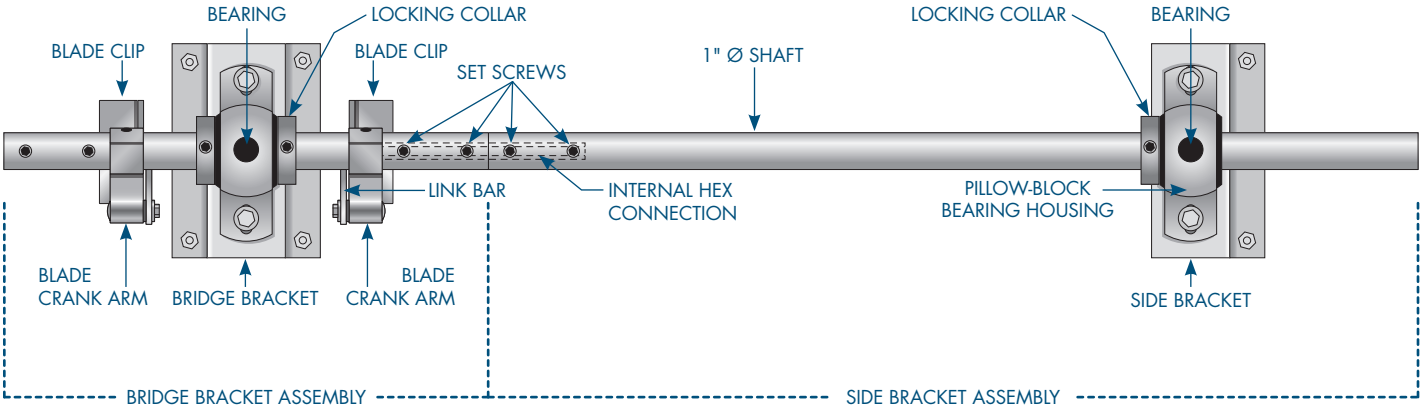
MULTIPLE–SECTION HORIZONTAL JACK SHAFTS

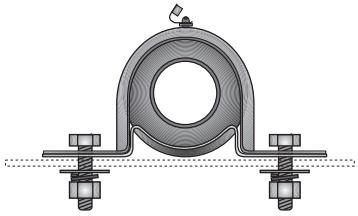
REFER TO STANDARD CONFIGURATIONS SHEET FOR APPLICABILITY



STANDARD HORIZONTAL JACK SHAFT:

- For use with Series 1000, 1400, 1500, 9000, and 9000 BF control dampers. *(If jack shafts are required, all standard dampers and those with the ET, SC or ECT Options are supplied with Standard horizontal jack shafts. If SW Option horizontal jack shafts are desired instead, this must be specified at the time of order.)*
- Bridge brackets and side brackets are mill finish aluminum.
- 1" *(25.4 mm)* I.D. diameter medium-duty bearings are pre-greased and equipped with grease nipples.
- Pillow-block bearing housings are galvanized steel.
- Blade clips are mill finish aluminum. They are mounted directly to U-bolts and secured to drive blade.
- Shaft is 1" *(25.4 mm)* diameter mill finish extruded aluminum rod.
- Blade crank arms, locking collars, and link bars are mill finish extruded aluminum.
- All non-aluminum parts are zinc-plated steel.

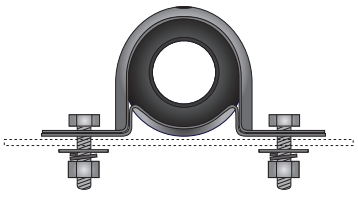
STANDARD BEARINGS



SALT WATER RESISTANCE OPTION HORIZONTAL JACK SHAFT:

- For use with Series 1000, 1400, 1500, and 9000 control dampers with Salt Water Resistance (SW) or Moisture Resistance (MR) Options. *(If jack shafts are required, all dampers with the SW or MR Options are supplied with SW Option horizontal jack shafts. If Standard horizontal jack shafts are desired instead, this must be specified at the time of order.)*
- Bridge brackets and side brackets are anodized aluminum.
- 1" *(25.4 mm)* I.D. diameter Delrin bearings are impervious to salt spray and are heat resistant to 212°F *(100°C)*.
- Pillow-block bearing housings are stainless steel.
- Blade clips are anodized aluminum. They are mounted directly to U-bolts and secured to drive blade.
- Shaft is 1" *(25.4 mm)* diameter anodized extruded aluminum rod.
- Blade crank arms, locking collars, and link bars are anodized extruded aluminum.
- All non-aluminum parts are stainless steel with the exception of the motor crank arm and swivel, which are only available in zinc-plated steel.

DELRIN BEARING



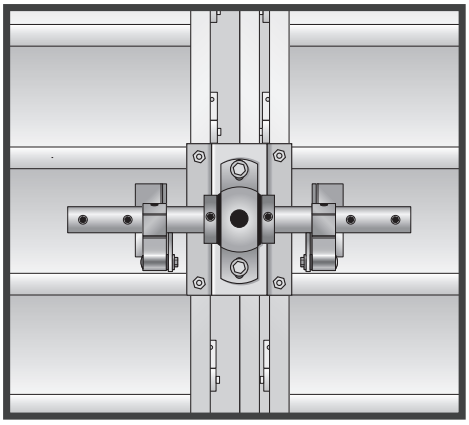
WITH STAINLESS STEEL PILLOW-BLOCK BEARING HOUSING

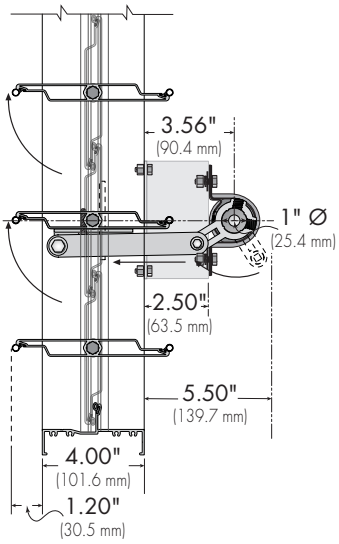
TAMCO®
www.tamcodampers.com

MULTIPLE–SECTION HORIZONTAL JACK SHAFTS

Recommendation:

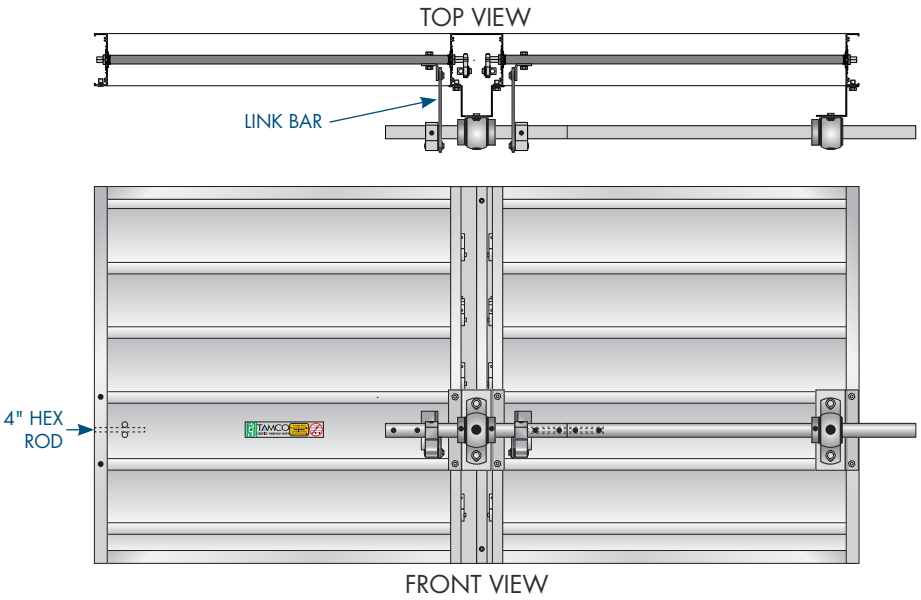
Do not change the factory placement of blade crank arms along the 1" *(25.4 mm)* diameter shaft within the jack shaft assembly, as these are optimally aligned for connection to the U-bolts on the damper blades.





SIDE VIEW

Allow 5.5" *(139.7 mm)* clearance from the front frame of damper for unimpeded jack shaft operation.



Jack shafts can be mounted so as to drive a two (2) or three (3)section wide damper from either the left or right side. *(Right side shown above.)*

Jack shafts are mounted directly over the drive blade in order to minimize the length of the link bar. The shortness of the link bar prevents flexing and adds to positive control.

NOTES:

- *Horizontal jack shafts are required whenever 30 square feet of damper surface area or more are to be actuated from any one motor location. They are also used if you wish to connect three (3) sections wide.*
- *A maximum of three sections can be connected with a single horizontal jack shaft, as standard. For jack shafts connecting 4 horizontal sections, contact TAMCO Customer Service.*
- *Minimum height of duct opening for installation of the damper jack shaft is 11½" (293 mm) for Flanged to Duct and 14" (356 mm) for Installed in Duct.*
- *For shorter duct opening heights down to 4¼" (108 mm) (Flanged to Duct) and 6¾" (172 mm) (Installed in Duct), special non-jack shaft, blade-to-blade joining is possible. Driven blades are connected by the use of U-bolts and hex rods which span the sections.*
- *Optional motor crank arm can be ordered as a separate part.*