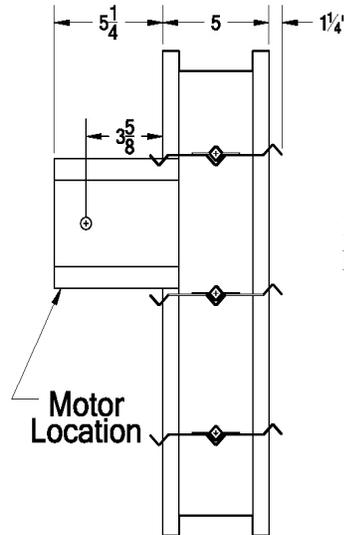


## ACTUATORS & JACKSHAFTING DIMENSIONS

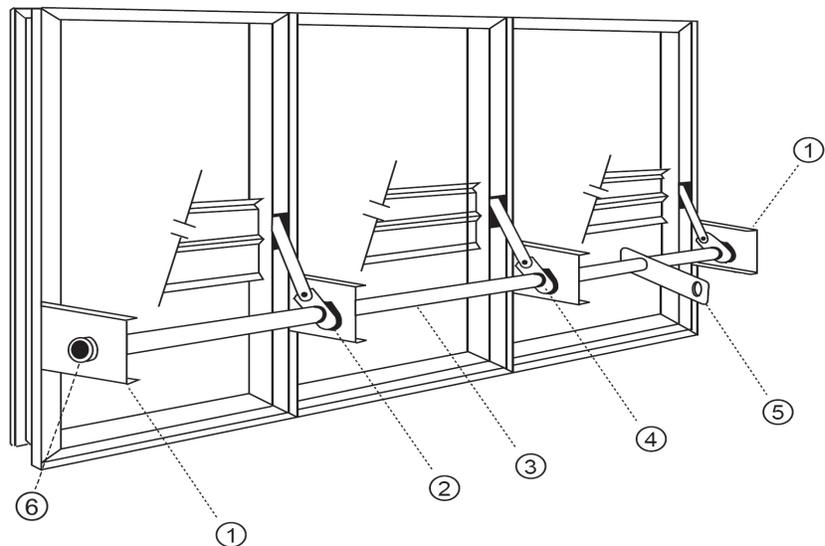


F/S-3V  
F/S-AF  
S-3V  
S-AF

**NOTE:** Dampers are intended to be self-supporting only in the largest recommended single sections. Multiple assemblies may require additional bracing. United Energetech Manufacturing recommends appropriate bracing on multiple assemblies at over 6' of width and height.

### JACKSHAFTING: STANDARD CONSTRUCTION

1. Bearing support bracket.  
Located at either end of assembly and at each vertical mullion.
2. Lever arm attached directly to blade axle to maximize torque transfer.
3. Either .500" (12.7 mm) diameter solid steel rod or rod + .750" (19.1 mm) diameter steel pipe (depending on damper size, static pressure, etc.)
4. Pivot arm of heavy gauge steel and attached to rotation bar (No. 3) with steel bolts.
5. Operator arm for connection to motor operator. (Required for internal motor mount.)
6. Ball bearings.



### Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every 12 months or in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.