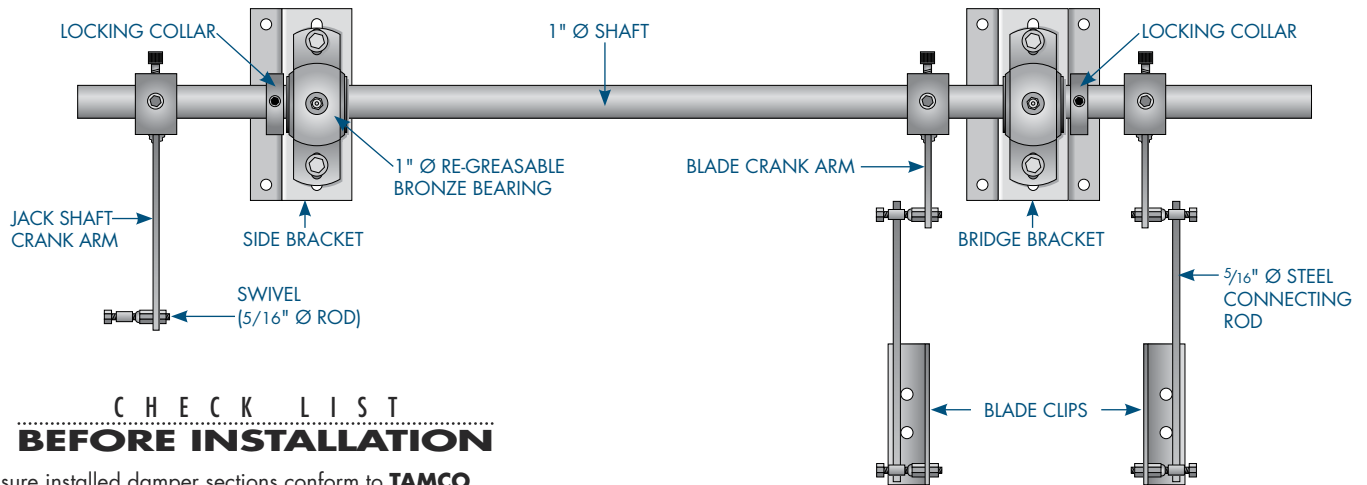


INSTALLATION GUIDELINES TAMCO JACK SHAFTS

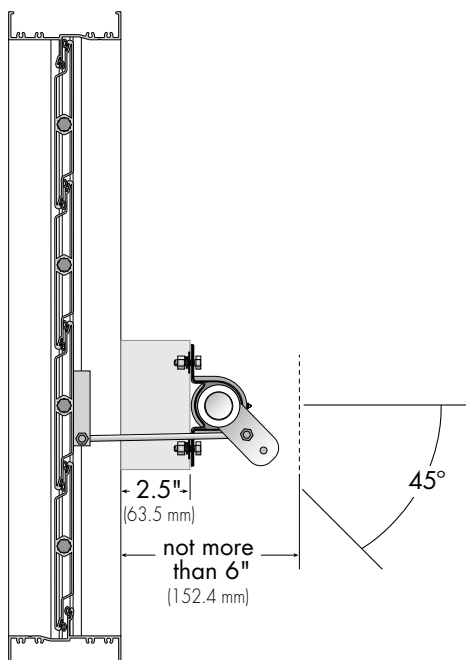
NOTE: Installation design may require side bracket to be fitted to damper side frame before damper is installed. This could occur due to lack of space between damper frame and duct work needed for fastening hardware tools.

VISIT OUR WEB PAGE AT
www.tamcodampers.com/english/inst_videos.html
FOR VIDEO INSTALLATION GUIDELINES



CHECK LIST BEFORE INSTALLATION

- Ensure installed damper sections conform to **TAMCO Aluminum Damper Installation Guidelines**, which are included with shipment.
- Damper mounting angles should be sized to allow side bracket to sit directly on damper frame.
- Loosen 1" (25.4 mm) diameter collars on shaft to allow stress-free alignment upon installation.
- Jack shaft can be mounted so as to drive a two (2) section damper from either left or right side.
- If assistance is required, call **TAMCO CUSTOMER SERVICE 1-800-561-3449**



In fully closed position, the crank arm is to be at a 45° angle, as shown.

JACK SHAFT INSTALLATION PROCEDURE

- Place complete jack shaft on damper. Attach side and bridge brackets on pre-drilled damper frames using 1/4" (6.4 mm) hardware provided. *(If required, remove jack shaft crank arm to allow shaft to fit through duct work.)*
- Slide actuator end of jack shaft to required dimension. Ensure that opposite end of jack shaft ends beyond last blade clip. *(Refer to drawing for position and alignment of connecting rod.)*
- Position and tighten 1" (25.4 mm) diameter collars close to bearings, to prevent jack shaft from shifting sideways.
- If required, loosen blade crank arms and realign with factory-installed blade clips on damper blades. Re-tighten blade crank arm fasteners. *(Ensure that both blade crank arms are aligned with each other.)*
- Insert free end of 5/16" (8 mm) diameter connecting rods into swivel of blade crank arms. Position blade crank arms at 45°, downwards and away from closed damper. Tighten swivels to connecting rods. *(Refer to drawing for position of blade crank arms.)*
- Cycle the damper manually and ensure that both sections seal correctly.
- If adjustment is required, re-position connecting rod in blade crank arm swivel so as to allow both sections to close fully.
- Re-tighten swivel and verify damper closure.
- Repeat adjustment procedure if necessary.

