



READ ENTIRE INSTALLATION GUIDELINE MANUAL BEFORE INSTALLING JACKSHAFTS.



TAMCO JACKSHAFTS ARE CONSTRUCTED WITH MAINTENANCE-FREE BEARING AND LINKAGE COMPONENTS.

CAUTION:

- Never use any lubricants, such as grease or silicone, on any damper parts, including linkage, bearings or hardware. Lubricants attract dust. Accumulated dust particles can abrade and cause damage to damper bearings.
- Jackshaft bearings without a grease fitting do not require lubricant.
- In applications where the humidity level is unusually elevated, or where there are extremely high levels of dust and dirt particles, TAMCO recommends that the jackshaft bearing system and moving parts should be cleaned once a year. This can be done by blowing away dust using compressed air. If needed, a domestic-strength steam cleaner can be used to loosen dirt, which can then be blown out with compressed air, along with any remaining water droplets.

STORAGE RECOMMENDATIONS:

- The storage space must be dry and free of elevated humidity or possible condensation.
- The air must be breathable and contaminant-free.
- Do not stack other items on top of or against jackshaft boxes.

**CHECK LIST
BEFORE INSTALLATION**

- ✓ Before installing, inspect jackshaft for possible damage caused in shipping.
- ✓ Ensure installed damper sections requiring a jackshaft conform to TAMCO Aluminum Damper Installation Guidelines, which are included with damper shipment.
- ✓ Damper mounting angles should be sized to allow jackshaft side brackets to sit directly on damper frame.

**EXERCISE CAUTION TO ENSURE FINGERS
ARE NOT IN WAY OF MOVING LINKAGE PARTS OR BLADES.**

**Note that all technical information available on TAMCO’s website at
www.tamcodampers.com
supersedes and takes precedence over all information contained within the printed catalog.**

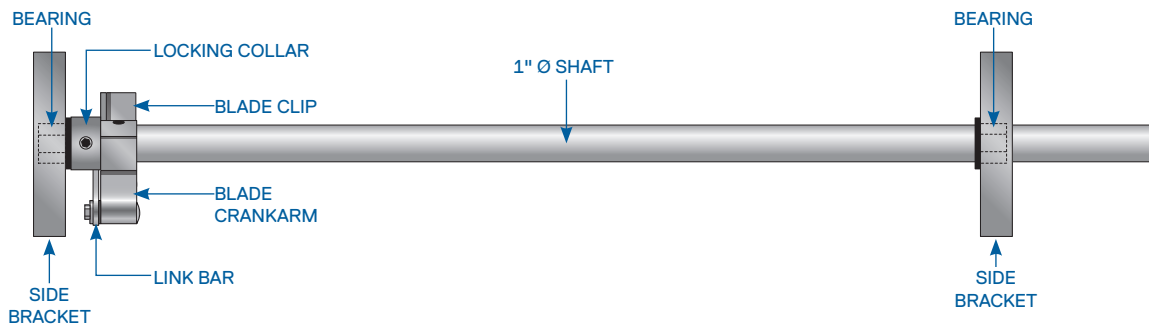
CALL TAMCO CUSTOMER SERVICE WITH ANY QUESTIONS CONCERNING
TAMCO DAMPERS OR JACKSHAFTS

1-800-561-3449

INSTALLATION GUIDELINES | TAMCO Horizontal Jackshafts

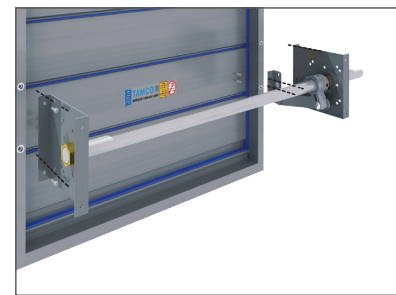
Series 1000, 1500, 9000, 9000 BF, 1000 FB, 1500 FB, 9000 FB

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



RECOMMENDATION

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



SINGLE-SECTION JACKSHAFT INSTALLATION PROCEDURE

- The jackshaft assembly will be designed for either left- or right-hand drive. (*Drive side must be indicated at the time of order.*)
- Place the square jackshaft side brackets so that the holes align with all the pre-drilled holes on the damper frames. (*All damper side frames are pre-drilled for accurate placement of brackets.*)
- Attach the side brackets to the damper frames, using the factory-provided ¼" (6.4 mm) bolts. (*Bolts are shipped fastened to the side of the bracket.*)
- To connect the blade clip to the drive blade, first loosen and remove the U-bolt hex nuts found on the front of damper drive blade. It is important to ensure that the U-bolt does not fall out the back of the damper blade.
- Slide the two holes on the blade clip over the U-bolt.
- Retighten the hex nuts on the U-bolt, securely fastening the blade clip to the damper drive blade.
- Cycle the damper manually, by rotating the 1" (25.4 mm) diameter shaft, to ensure that the damper blades seal correctly.



LEFT-HAND DRIVE

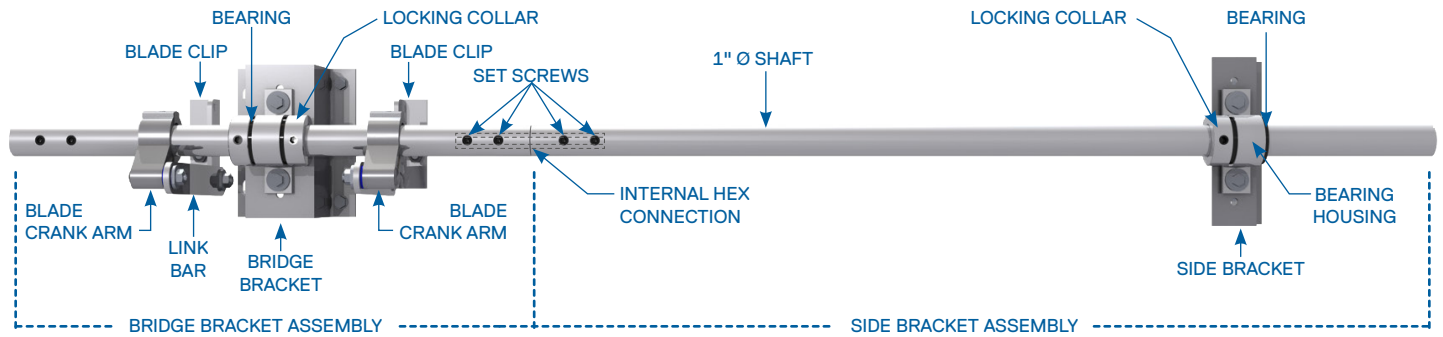


RIGHT-HAND DRIVE

INSTALLATION GUIDELINES | TAMCO Horizontal Jackshafts

Series 1000, 1500, 9000, 9000 BF, 1000 FB, 1500 FB, 9000 FB

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



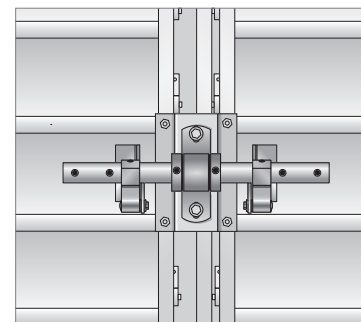
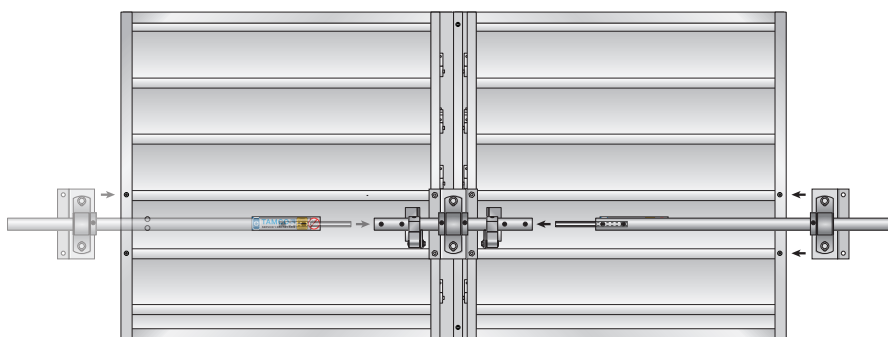
RECOMMENDATION

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



TWO-SECTION JACKSHAFT INSTALLATION PROCEDURE

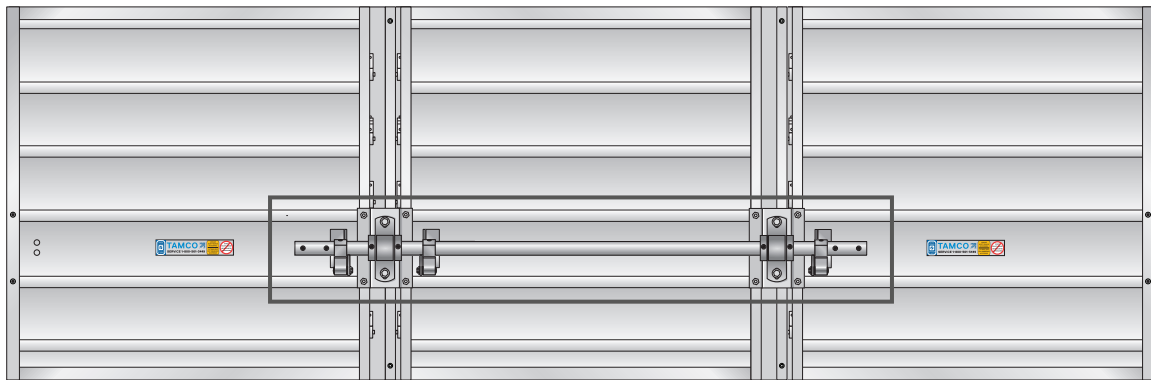
- Install the single bridge bracket assembly to damper frames where the two damper sections meet.
- Place the bridge bracket so that the holes align with all four pre-drilled holes on damper frames. (All damper side frames are pre-drilled for accurate placement of bridge bracket and side bracket assemblies.)
- Attach bridge bracket assembly to damper frames, using factory-provided 1/4" (6.4 mm) bolts. (Bolts are shipped fastened to the side of the bracket.)
- To connect blade clips to damper drive blades, first loosen and remove the U-bolt hex nuts on front of both damper drive blades. It is important to ensure that the U-bolts do not fall out the back of the damper blades.
- Slide the two holes on each blade clip over the corresponding U-bolts.
- Retighten hex nuts on both U-bolts, securely fastening blade clips to damper drive blades.
- Side bracket assembly can be mounted so as to drive a two (2) section damper from either the left or the right side of the damper. (Right drive installation is described and shown below.)
- The 1" (25.4 mm) diameter shaft that is part of the side bracket assembly is supplied with an internal hexagonal rod that is used to make the internal connection to the bridge bracket assembly. Insert the hexagonal rod into the shaft within the bridge bracket assembly.
- Place the side bracket so that the holes align with the pre-drilled holes on the right damper frame.
- Attach side bracket using 1/4" (6.4 mm) factory-provided bolts.
- Tighten the set screws on both shaft segments, securing the connection between the bridge bracket and side bracket assemblies.
- Cycle the damper manually, by rotating the 1" (25.4 mm) diameter shaft, to ensure that both damper sections seal correctly.



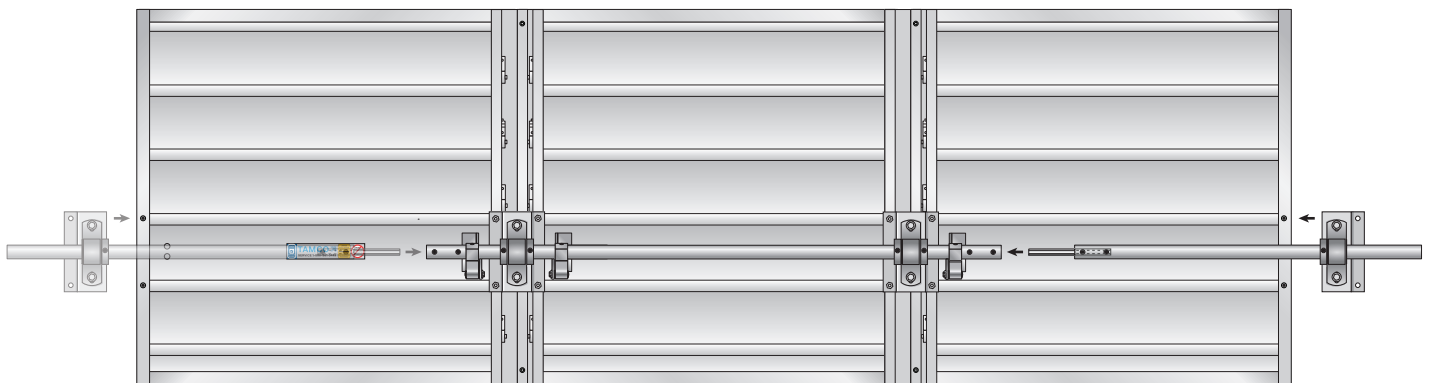
SINGLE
BRIDGE BRACKET ASSEMBLY

THREE-SECTION JACKSHAFT INSTALLATION PROCEDURE

1. Install the double bridge bracket assembly to damper frames where the damper sections meet. The double bridge bracket assembly comprises two bridge brackets placed along a length of 1" (25.4 mm) diameter shaft.
2. Place the left bridge bracket, so that the holes align with all four pre-drilled holes on damper frames where the left and center sections meet. Then place the right bridge bracket, so that the holes align with all four pre-drilled holes on damper frames where the center and right sections meet. *(All damper side frames are pre-drilled for accurate placement of bridge bracket and side bracket assemblies.)*
3. Attach bridge bracket assembly to damper frames, using factory-provided ¼" (6.4 mm) bolts. *(Bolts are shipped fastened to the side of the bracket.)*
4. To connect blade clips to damper drive blades, first loosen and remove the U-bolt hex nuts on front of all three damper drive blades. It is important to ensure that the U-bolts do not fall out the back of the damper blades.
5. Slide the two holes on each blade clip over the corresponding U-bolts.
6. Retighten hex nuts on all three U-bolts, securely fastening blade clips to damper drive blades.
7. Side bracket assembly can be mounted so as to drive a three (3) section damper from either the left or the right side of the damper. *(Right drive installation is described and shown below.)*
8. The 1" (25.4 mm) diameter shaft that is part of the side bracket assembly is supplied with an internal hexagonal rod that is used to make the internal connection to the bridge bracket assembly. Insert the hexagonal rod into the shaft within the bridge bracket assembly.
9. Place the side bracket so that the holes align with the pre-drilled holes on the right damper frame.
10. Attach side bracket using factory-provided ¼" (6.4 mm) bolts.
11. Tighten the set screws on both shaft segments, securing the connection between the bridge bracket and side bracket assemblies.
12. Cycle the damper manually, by rotating the 1" (25.4 mm) diameter shaft, to ensure that all damper sections seal correctly.



DOUBLE BRIDGE BRACKET
ASSEMBLY



HORIZONTAL JACKSHAFT

INSTALLATION GUIDELINES - OPERATION - MAINTENANCE

SPX ENGINEERED AIR MOVEMENT

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