Application
The AM-621 Damper Shaft Extension Kit extends the length of the damper shaft for dual mounting of Mx4x-715x, MX40-717x, and Mx41-634x Schneider Electric SmartX actuators.

Applicable Literature
MA-717x Series Schneider Electric Spring Return Two-Position SmartX Actuators General Instructions, F-26742
MF40-7173 Schneider Electric Spring Return Floating SmartX Actuators General Instructions, F-26749
MS40-717x Series Schneider Electric Spring Return Proportional SmartX Actuators, General Instructions, F-26748
MF41-6343 Schneider Electric Non-Spring Return Proportional SmartX Actuators General Instructions, F-26744
MS41-6343 Schneider Electric Non-Spring Return Proportional SmartX Actuators General Instructions, F-26745
MAx4-715x Series Schneider Electric Spring Return Two-Position SmartX Actuators General Instructions, F-26642
MF4x-715x Series Schneider Electric Spring Return Floating SmartX Actuators General Instructions, F-26644

Step 1
1. Installation should be completed by a qualified installer. Please read instructions thoroughly before starting the installation.
2. Place the damper in position according to your application.
3. Plan out the orientation of the actuator on the damper to ensure proper mounting orientation of the damper shaft extensionslot in relation to the application.
4. Clean shaft and apply adhesive. The adhesive cure rate at room temperature is 24 hours; 40% of breakaway strength is achieved in thirty minutes; 75% of breakaway strength is achieved in two hours.
5. Slide extender shaft onto damper shaft.
   a. A recommendation of 3-inch engagement with the damper shaft is ideal.
   b. Leave 1/8" gap.

Note: For proper clamping, the slot in the extension shaft should be parallel to the base on the actuator clamp. See below:

Note: Extension shaft is 10" x 1" OD x 1/2" ID.
Step 2 - Single Mount
1. Assemble mounting clamps on both sides of the actuators.
2. Insert retaining clip.
3. Hand tighten clamp nuts and position actuator.
4. Center anti-rotation bracket in slot.
5. Assemble with two 5/16" hex head self-tapping screws.
6. If single actuator mount, tighten actuator clamps.

Step 2 - Dual Mount
1. Finger start one bolt for your application.
   a. Two bolts and two washers are used with 7/16" hex head for 150/300 lb-in actuators.
   b. Two Torx T20 head bolts are used for 133 lb-in actuators.

Step 3 - Dual Mount
1. Install anti-rotation clip in slot on first actuator.
2. Tighten bolt.

Step 4 - Dual Mount
1. Assemble one mounting clamp on the first 133 lb-in actuator or two mounting clamps on the first 150 lb-in or 300 lb-in actuators.
2. Insert retaining clip.
3. Position actuator and hand tighten clamp nuts.
4. Center anti-rotation bracket in slot.
5. Assemble with two 5/16" hex head self-tapping screws.

Step 5 - Dual Mount
1. Assemble one mounting clamp on the second 133 lb-in actuator or two mounting clamps on the second 150 lb-in or 300 lb-in actuators.
2. With actuator on the shaft, finger-tighten clamp nuts.
3. Line up actuators and screw second bolt into anti-rotation clip. Tighten bolts.
4. Position dampers and tighten actuator clamps per actuator documentation.

Note: For applications that do not allow the actuator to be flush mounted to the side of a damper you may use an AM-622 Spacer so the actuator can be mounted two inches off the side of a damper.