

AGA93.2

Product Description

AGA93.2 is a bracket kit for mounting any VKG... butterfly valve to an SQM5 actuator. This kit is only to be used on actuator versions with a 3/8" square shaft.

Components Supplied

Figure 1 shows the components supplied with the AGA93.2 bracket kit:

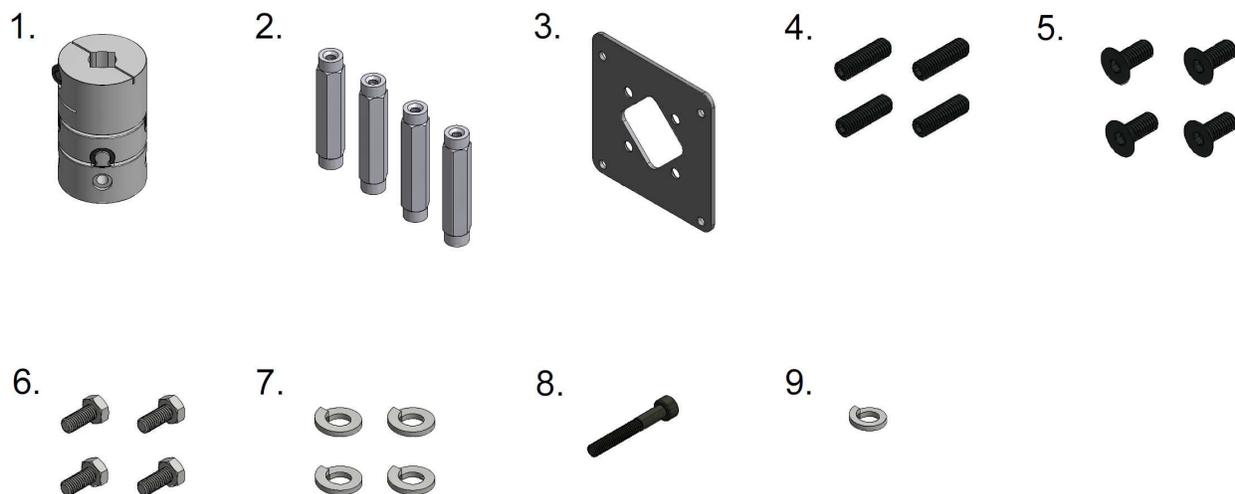


Figure 1: Pieces Supplied with the AGA93.2 Bracket Kit

- | | |
|--|----------------------------------|
| 1. Coupling | 6. (4) M6 x 14mm hex head screws |
| 2. (4) hex standoffs | 7. (4) M6 split lock washers |
| 3. Mounting bracket | 8. M4 x 30mm socket head screw |
| 4. (4) M6 x 22mm socket set screws | 9. M4 split lock washer |
| 5. (4) M6 x 14mm flat socket head screws | |

Recommended Installation Tools

The following tools are recommended for installing the AGA93.2 bracket kit:

- 5/32" hex key
- 3mm hex key
- 4mm hex key
- 1/2" open end wrench (or crescent wrench)
- 10mm open end wrench (or crescent wrench)
- Red Loctite
- Blue Loctite

Installation Procedure

1. Slide the coupling over the VKG... valve shaft and line up any of the holes in the coupling with the threaded hole in the valve shaft. Using a 3mm hex key, the M4 split lock washer, and the M4 x 30mm socket cap screw, fasten the coupling to the valve shaft as shown in Figure 2 below.

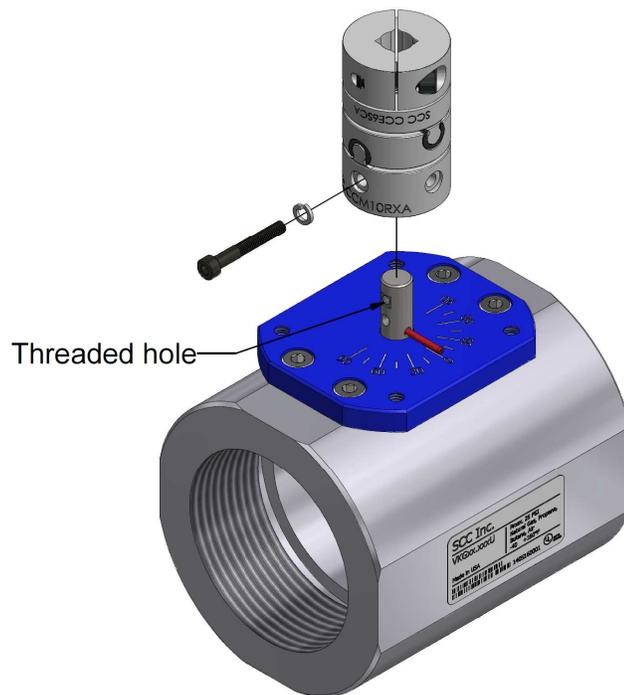


Figure 2: Coupling Installation

2. Place a small amount of red Loctite on the end of each of the (4) M6 x 22mm socket set screws. Using a 3mm hex key, fasten each socket set screw into one end of a hex standoff until the screw bottoms out. By hand, thread each standoff into one of the four M6 threaded holes on the top of the blue dial of the VKG... valve as shown in Figure 3. Using the ½" open end wrench (or crescent wrench), tighten each standoff against the dial.

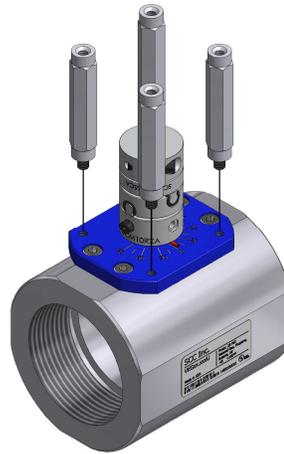


Figure 3: Standoff Installation

3. Place a small amount of blue Loctite on the end of each of the (4) M6 x 14mm flat socket head screws. Using a 4mm hex key, fasten the mounting bracket to the top of the standoffs as shown in Figure 4 below. Take care to attach the bracket in the desired orientation. The overhanging section of the bracket will face the same way as the aluminum base on the SQM5 actuator.

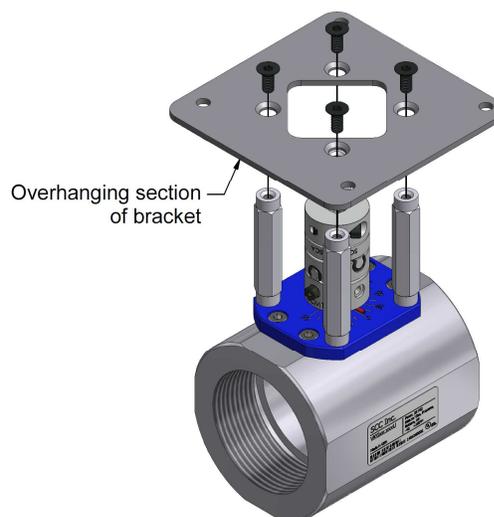


Figure 4: Mounting Bracket Installation

4. If an AGA55.5 NEMA 4 kit was purchased separately, attach it to the SQM5 actuator now before proceeding. Place the SQM5 actuator shaft into the 3/8" square bore of the coupling, and line up the four actuator mounting holes with the four corresponding holes in the mounting bracket. Using the 10mm open end wrench (or crescent wrench), the (4) M6 x 14mm hex head screws, and the (4) M6 split lock washers, secure the actuator to the mounting bracket as shown in Figure 5 below. Then, using a 5/32" hex key, tighten the clamp screw in the top coupling hub to secure the actuator shaft.

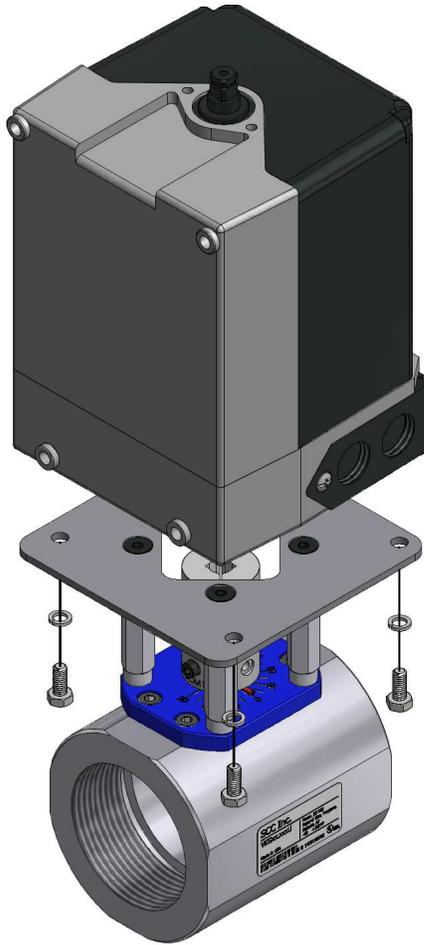


Figure 5: Actuator Installation

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