

AGA93.5

Product Description

AGA93.5 is a bracket kit for mounting any VKG... butterfly valve to a Fireye NEXUS FX04 or NXC04 actuator.

Components Supplied

Figure 1 shows the components supplied with the AGA93.5 bracket kit:

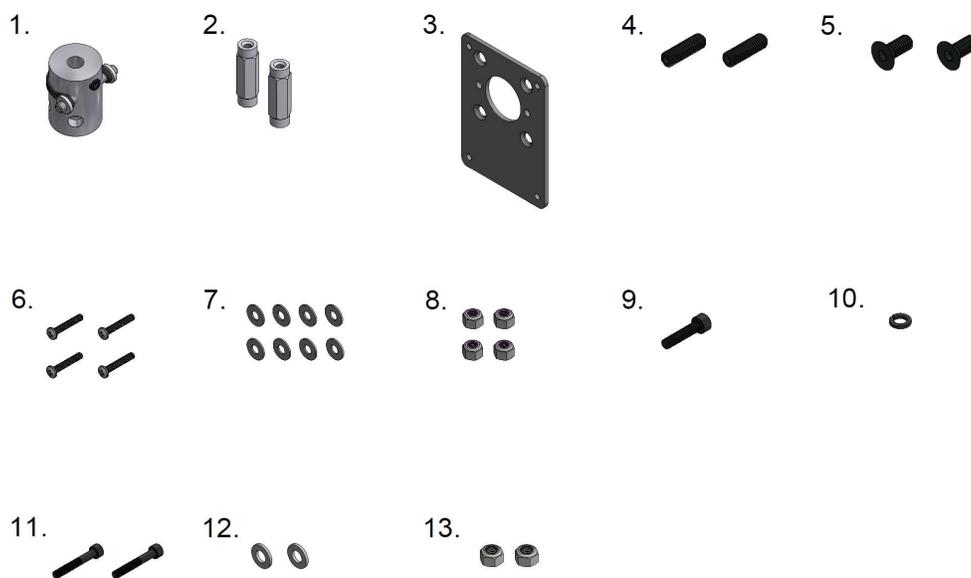


Figure 1: Pieces Supplied with the AGA93.5 Bracket Kit

- | | |
|--|--------------------------------------|
| 1. Coupling | 8. (4) #8-32 hex locknuts |
| 2. (2) hex standoffs | 9. M4 x 18mm socket head screw |
| 3. Mounting bracket | 10. M4 split lock washer |
| 4. (2) M6 x 22mm socket set screws | 11. (2) M5 x 35mm socket head screws |
| 5. (2) M6 x 14mm flat socket head screws | 12. (2) M5 flat washers |
| 6. (4) #8-32 x 1" pan head screws | 13. (2) M5 hex locknuts |
| 7. (8) #8 flat washers | |
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- Place a small amount of red Loctite on the end of each of the (2) 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 the standoffs into the pair of opposite M6 threaded holes on the top of the blue dial of the VKG... valve as shown in Figure 3. If the coupling was mounted in a different orientation than shown in Figure 2, make sure to orient the standoffs accordingly before threading them into the dial. Using the 1/2" open end wrench (or crescent wrench), tighten each standoff against the dial.



Figure 3: Standoff Installation

- Place a small amount of purple Loctite on the end of each of the (2) 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. If the coupling was mounted in a different orientation than shown in Figure 2, make sure to orient the bracket accordingly before mounting it.



Figure 4: Mounting Bracket Installation

4. For FX04 actuators: Place the FX04 actuator shaft into the “D”-shaped bore of the coupling, and line up the four actuator mounting holes with the four corresponding holes in the mounting bracket. Using the #2 Phillips screwdriver, the 11/32” open end wrench (or crescent wrench), the (4) #8-32 x 1” pan head screws, the (8) #8 flat washers, and the (4) #8-32 hex locknuts, secure the actuator to the mounting bracket as shown in Figure 5a below. Then, using a 3mm hex key, tighten the set screw in the coupling to secure the actuator shaft. Discard the remaining unused fasteners.

For NXC04 actuators: Place the NXC04 actuator shaft into the “D”-shaped bore of the coupling, and line up the two actuator mounting holes with the two corresponding holes in the mounting bracket. Remove the actuator cover. Using the 4mm hex key, the 8mm open end wrench (or crescent wrench), the (2) M5 x 35mm socket head screws, the (2) M5 flat washers, and the (2) M5 hex locknuts, secure the actuator to the mounting bracket as shown in Figure 5b below. Then, using a 3mm hex key, tighten the set screw in the coupling to secure the actuator shaft. Discard the remaining unused fasteners.



Figure 5a: FX04 Actuator Installation

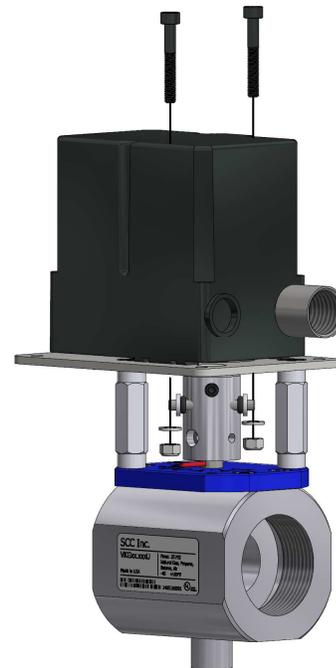


Figure 5b: NXC04 Actuator Installation

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