

# 5112-11/U Linkage Kit

## FOR N05, S03/05 DIRECT-COUPLED ACTUATORS

### SPECIFICATION DATA



#### Features

- Suitable for use with VBG2 Two-Way and VBG3 Three-Way Control Ball Valves as well as with N05xxx and S03xxx / S05xxx DCAs.
- Suitable for use in cold, warm, and hot water systems.
- For mediums with a temperature of +5 ...+120 °C (+41...+250 °F) and a max. pressure of 360 psi.
- Allows the valve to be controlled during installation or in the event of a power failure.
- Actuator mounting plate can be rotated to different positions for installation in confined spaces.

#### Specifications

**Media temperature range** +5 ...+120 °C (+41...+250 °F)

#### Materials:

Handle	PA6 + 30% GF
Screws	Zinc and Cr-plated
Stem assembly cover	PA6 + 30% GF
Stem	Aluminum
Bolt 50036316 (S03/05xxx)	Carbon steel, Zn, Cr-plated
Bolt 50037231 (N05xxx)	Carbon steel, Zn, Cr-plated
Anti-rotation bracket	Aluminum
Mounting plate	PA6 + 30% GF
Wing nut	Zn, Cr-plated
Stem retainer	PA6 + 30% GF

**Approvals/Standards** RoHS-compliant

### APPLICATION

The 5112-11/U Linkage Kit can be used for VBG2 Two-Way and VBG3 Three-Way Control Ball Valves (DN15-50) with N05xxx (DN15-50), S03xxx (DN15-32), and S05xxx (DN15-50) spring-return Direct-Coupled Actuators.

The manual operating handle allows the valve to be controlled during installation or in the event of a power failure.

The shipment includes the following:

- Handle (removable) for manually rotating the shaft;
- Screws, self-tapping (2X), for mounting stem assembly cover;
- Screws, M4, pan head (2X), for fastening mounting plate;
- Stem assembly cover;
- Stem assembly (stem and hold-down ring);
- Bolt, for fastening anti-rotation bracket to S03/05xxx;
- Bolt, for fastening anti-rotation bracket to N05xxx;
- Anti-rotation bracket;
- Mounting plate;
- Wing nut; and
- Stem retainer.

## ASSEMBLY

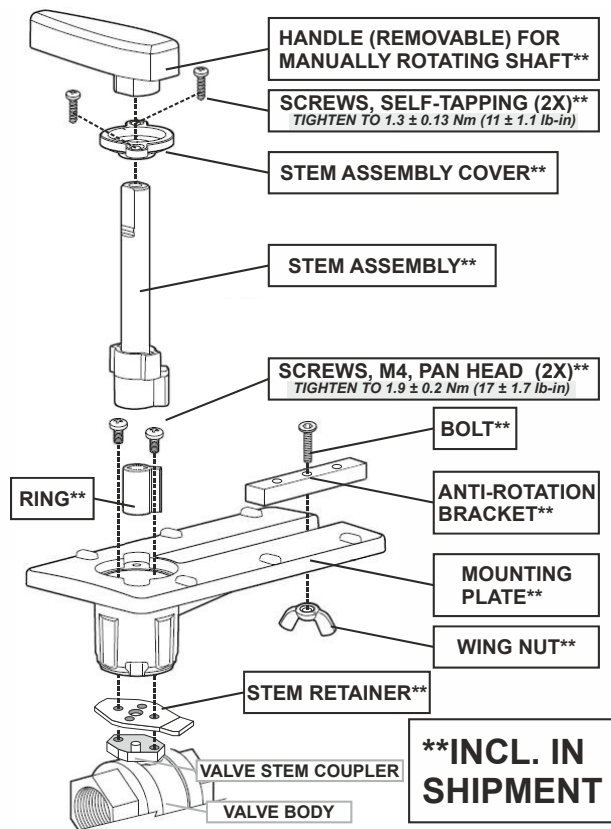


Fig. 1. Exploded view

### Mounting Plate Adjustment

The mounting plate can be rotated to a different position for installation in confined spaces. This is accomplished as follows (see Fig. 1):

1. Remove the handle from the stem assembly and set it aside.
2. Remove the two self-tapping screws in the stem assembly cover and set them aside.
3. Remove and set aside the stem assembly.
4. Remove and set aside the two M4 pan head screws that hold the mounting plate to the valve.
5. Remove and set aside the hold-down ring from the mounting plate.
6. Snap the stem retainer onto the valve stem coupler in the desired orientation.
7. Rotate the mounting plate around the valve to the desired orientation.

**NOTE:** Take note of the screw hole positions on the valve. They limit the mounting plate positions.

8. Lower the hold-down ring down to the valve body and engage it in the new position relative to the mounting plate.
9. Tighten the screws to the valve body securing the mounting plate.
10. Reattach the stem assembly to the mounting plate.
11. If desired, replace the handle on the stem assembly.

**Honeywell**  
THE POWER OF CONNECTED

Manufactured for and on behalf of the Environmental & Energy Solutions Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

#### Home and Building Technologies

Honeywell GmbH  
Böblinger Strasse 17  
71101 Schönaich, Germany  
Phone +49 (0) 7031 637 01  
Fax +49 (0) 7031 637 740  
<http://ecc.emea.honeywell.com>

EN0B-0769GE51 R0318

Subject to change without notice