Oriental motor

HG-9032-7

OPERATING MANUAL

Gearhead

Introduction

Before use

The product described in this manual has been designed and manufactured to be incorporated in general industrial equipment. Do not use for any other purpose. Oriental Motor Co., Ltd. is not responsible for any damage caused through failure to observe this warning.

RoHS Directive

The products do not contain the substances exceeding the restriction values of RoHS Directive (2011/65/EU).

Checking the product

Verify that the items listed below are included. Report any missing or damaged items to the branch or sales office from which you purchased the product.

- * The mounting screw set is not included with the products that "W" is added to the end of the gearhead model name.

Precautions for use

Installation location

For the operating ambient temperature and the operating ambient humidity, check the operating manual included with the motor being combined. Do not use the products in locations subject to direct sunlight, or splashing water or oil. Do not use the products in locations subject to severe vibration or shock, a large amount of dust, or flammable gases or corrosive gases.

Grease measures

On rare occasions, grease may ooze out from the gearhead. If there is a concern over possible environmental damage resulting from the leakage of grease, provide an oil tray or similar oil catching mechanism in order not to cause a secondary damage. Grease leakage may lead to problems in the customer's equipment or products.

Rotating direction of the gearhead output shaft

With some gear ratios, the motor and gearhead output shaft will rotates in opposite directions. For details, check the operating manual included with the motor being combined.

Maximum permissible torque

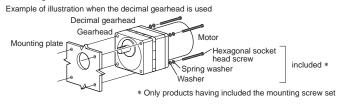
The torque limit is defined as the "maximum allowable torque," which is specified in accordance with the gearhead size and gear ratio. Check on the Oriental Motor Website for details. Also, be sure shaft rotation is not stopped by an external force or load obstruction. The resulting shock may damage the gearhead.

• Permissible radial load and permissible axial load

The radial load and axial load have a great influence on the life of the bearings and strength of the shaft. Do not exceed the permissible radial load and permissible axial load. Check on the Oriental Motor Website for details.

Install the motor/gearhead to the equipment

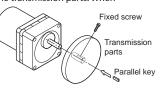
Install using the mounting screw set included with the gearhead or decimal gearhead. For the tightening torque, check the operating manual included with the motor being combined.



Attaching the load

The shaft of the gearhead has been machined to an outer diameter tolerance of h7 and is provided with a key slot for connecting the transmission parts. When

connecting the transmission parts, ensure that the shaft and parts have a clearance fit, and secure with a screw to prevent the parts from wobbling. For the gearhead with a screw hole at the tip of its output shaft, use the hole as an auxiliary for preventing the transmission component from disengaging.



Thank you for purchasing an Oriental Motor product. This Operating Manual describes product handling procedures.

- Please read it thoroughly.
 Always keep the manual where it is used if the manual where it is a set of the manual wher
- Always keep the manual where it is readily available.



Do not use excessive force, or hammer the transmission parts onto the gearmotor shaft as damage may occur.

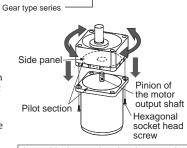


Assembling the motor with the gearhead

Check the model names of the motor and gearhead (decimal gearhead). Gearheads and motors will fit together only if they are both of the same frame size and of the same gear type.



- Keep the pilot sections of the motor and gearhead in parallel, and assemble the gearhead with the motor while slowly rotating it clockwise/counterclockwise. At this time, note so that the pinion of the motor output shaft does not hit the side panel or gears of the gearhead strongly.
- Check no gaps remain between the motor and gearhead, and tighten them with hexagonal socket head screws. When using a decimal gearhead, install it between the motor and the gearhead.



Assemble the gearhead to the motor in a condition where the motor output shaft is in an upward direction.

* A felt to prevent grease from oozing out is fit on the bottom face of the gearhead. Remove the felt before use.

Assemble the motor and gearhead by referring to the operating manual included with the motor being combined.



- Do not forcibly assemble the motor and gearhead. Also, prevent metal objects or foreign substances from entering in the gearhead. The motor pinion shaft or gear may be damaged, resulting in noise or shorter service life.
 - O-rings are attached on the motor flange and the mounting surface of the decimal gearhead. Install the gearhead so as not to pinch the O-rings. Grease in the gearhead may leak.
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Please contact your nearest Oriental Motor office for further information.

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