

## ALG006PLG/SG SERIES

## GEARBOXES

**PLG/SG Gears for BLDC Motors**

**Worm gearboxes (SG)** are noted for their very quiet running. The worm-gear shaft has bearings on both sides. The gear components, made of bronze or steel and the lubricating grease ensure a long service life at the rated torque. In many applications, the location of the output shaft at 90° to the motor shaft provides an optimum design solution. On request, worm-gearboxes can be supplied with a hollow output shaft.

**Planetary gearboxes (PLG)** have the highest continuous torque capacity of all types of gearbox; at the same time they have a very compact form, low weight, and excellent efficiency. Self-centering planet gears ensure a symmetrical force distribution. The ring gear also forms the housing of the gearbox. The gearbox output shaft is supported in two ball bearings so that it can withstand high axial and radial loads.

The gearboxes are available in numerous special versions, e.g. for use in especially low ambient temperatures, or as high-power gearboxes with reinforced output shafts, or with special lubricants for very long service life. For information on the selection of suitable motors and gearboxes, please see pages 10-11 in this catalog. This will enable you to make an initial selection on the basis of speed and load ranges. On request, we will adapt a drive precisely to your operating conditions.

