



The PLG 22 - Dunkermotoren's smallest planetary gearbox is a big hit

With the PLG 22, Dunkermotoren is launching its own 22mm gearbox.

Not only in diameter, but also with regard to torque, this gear optimally matches to the ironless BLDC motor BGA 22, which operates according to the axial flow principle.

In order to increase the robustness of the gearbox, it is made of metal. The relatively low noise level is astonishing. The PLG 22 can transmit a high torque of up to 3.5 Nm measured at the outer diameter.

The planetary gearhead is manufactured using state-of-the-art, resource-conserving manufacturing techniques. Special assembly processes enable a hermetically sealed and smooth housing. This means that the gears do not collect any dirt and are easy to clean. Both the shaft and the housing are protected against corrosion, further optimizing cleanliness.

Due to the small diameter, only small reduction ratios can be realized per stage. However, since the input speeds are relatively high in order to make optimum use of the motor, gears with a number of stages of up to 5 are also possible. Theoretically, total reductions of up to 4685:1 are possible. Normally, Dunkermotoren gearboxes are designed for speeds of up to 6.000 rpm. With the PLG 22, the input speeds are set at up to 10.000 rpm to match the BGA 22.

Such gearboxes are typically used in grippers for robotics, automatic electronic assembly machines, in professional camera systems as well as in the two medical technology sectors of analysis and therapy.



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