

The new innovation from maxon motor at the Hannover Messe 2012: The GP 26 A planetary gearhead

maxon motor, the worldwide leading provider of high-precision drives and systems, presents a new, more powerful series of planetary gearheads, called GP 26 A. The GP 26 A closes the gap which previously existed between the 22 and 32 diameters in the range of power-optimized gearheads. The GP 26 A offers all of the advantages of the maxon series of gearheads, including modularity, precision and power. Particularly significant improvements over the previous generation are the higher permissible loads.

The gearheads are developed and manufactured by maxon motor. The following features in particular are responsible for the power increase: the integration of a robust, preloaded ball bearing, optimized gearhead geometry, the high permissible motor speed, and the optimized dimensions of the output shaft. This gearhead is part of the modular system and is available as one-stage to three-stage versions, with a total of 9 different reduction ratios, from 5.2:1 up to 236:1. The maximum continuous torque of the one-stage version is 0.75 Nm and of the three-stage version is 4.5 Nm. The short-term torques are 1.1 Nm and 6.2 Nm respectively. Thanks to preloaded ball bearings, the tempered, rust-free output shaft has no axial play.

Within the renowned maxon modular system, the new GP 26 A gearhead can be combined with five different motor types. Combining these gearheads with dynamic maxon motors as well as sensor systems (encoders) results in powerful drive units. For the control functions, various 1- and 4-quadrant controllers as well as positioning controllers are available.

The field of application is wide and extends from precision-engineered devices to battery-operated tools, from medical technology to industrial automation.

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This press release is available on the Internet at: www.maxonmotor.com

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