

Press Release

New Performance Class with New Planetary Gear Size

Efficient Expansion of the GPT Gear Family

The newest member of the FAULHABER metal planetary gear family is here: the 14 GPT. This compact addition to the series delivers high torque with minimal volume, making it ideal for demanding applications where space is limited. It is extremely robust, capable of withstanding frequent and sudden load changes, and operates with high efficiency. The gearhead can be combined with a wide range of motors.

The new size leverages the proven design principle of the GPT gears, which can reliably transmit extreme forces. This not only results in higher torque but also enables a particularly short overall length – perfect for applications where space is critical. Additionally, the optimized design allows for a higher speed of up to 24,000 rpm, enabling efficient use of the motor's full speed range. The increased number of gear ratios contributes to an optimized thermal behavior and extends the operating range of the gearhead. Thanks to increased radial and axial load capacity, even heavier loads can be handled effortlessly.

Reliability and Efficiency for a Wide Range of Applications

To meet the highest standards of reliability and durability, the new GPT gearhead is made entirely of hardened stainless steel. The welded connections between components ensure a robust and long-lasting construction without the use of adhesives. This stable design ensures reliable power transmission, even under extreme loads.

Thanks to its robust construction and high performance, the new 14 GPT gearhead is perfectly suited for applications in robotics, laboratory automation or medical diagnostics. Whether in inspection robots, electro-optical devices or laser devices – this new planetary gearbox always delivers maximum performance in minimal space at an excellent price-performance ratio.

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