

High Rigidity Design of Precision Planetary Gearboxes



In the industrial sector, rigidity has always been a key metric for measuring the performance of machinery, and the GearKo Precision Planetary Gearboxes excel in this regard.

The integrated design of the internal one-piece gear ring and housing in our planetary gearboxes not only enhances the overall structural rigidity but also strengthens the metal material through a special manufacturing process, making it more robust and durable. This highly precise manufacturing process guarantees stability and accuracy when transmitting high power.

Regarding the input shaft design, we adhere to a monolithic structure in our planetary gearboxes. This design ensures a perfect fit between the input shaft and other components, significantly improving the overall system's rigidity and durability. Furthermore, this means that the input shaft remains stable during high-intensity operations, effectively reducing wear and tear.

The output shaft follows the same design principle. In our planetary gearboxes, the monolithic structure of the output shaft not only ensures high precision at the output end but also maintains exceptional stability and efficiency under heavy loads or high-speed operations.

Our design philosophy focuses on providing optimal rigidity and durability, ensuring peak performance of your mechanical devices.

If you wish to learn more about how our precision planetary gearboxes or reducers can enhance the performance of your equipment, please feel free to [contact us](#).