



www.gearkodrive.com

Planetary Gearbox Buying Guide

When buying a precision planetary gearbox, consider the following points in detail:

Determine the Reduction Ratio:

The first task is to clearly understand the reduction ratio you need. The reduction ratio of a planetary gearbox is calculated based on the input speed to output speed, with different ratios for different working conditions and load requirements. If your specific needs do not match the gearbox's offered reduction ratio, you may need to find a close match or consider customization.

Evaluate Rated Torque and Overload Capacity:

The rated torque of a planetary gearbox represents its maximum torque capacity under specific conditions. When choosing a planetary gearbox, ensure its rated torque meets your needs. Additionally, consider the drive motor's overload capacity and the maximum torque that may be reached during actual production to ensure the gearbox operates normally.

Pay Attention to Backlash:

Backlash in a planetary gearbox is a key indicator of its precision. Smaller backlash means higher precision, but at a higher cost. Choosing the appropriate backlash based on your precision requirements is crucial.

Consider Other Performance Parameters:

Such as average lifespan, lubrication methods, and noise levels. The average lifespan determines how long the gearbox can work continuously under rated load. Lubrication methods and noise levels affect the convenience of use and maintenance of the gearbox.

Choose Brand and Supplier:

Choosing well-known brands and reliable suppliers is also very important, such as GearKo from Taiwan, whose product quality and after-sales service are generally more reliable. At the same time, considering the supplier's reputation and service quality is important to ensure timely technical support and maintenance services.

Assess Installation Space:

If your actual application production space cannot directly connect to the planetary gearbox, you may need to consider using a right-angle planetary gearbox, which can turn the torque by 90 degrees and is suitable for a wider range of applications.

GearKo focuses on the research and development of high-quality planetary gear boxes and reducers, committed to providing customers with the best products and solutions. 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](#).