



WITTENSTEIN

More power
More compact
More efficient

alpheno[®] Gearbox

Welcome to a new dimension in servo gearboxes



The phenomenon which is **alpheno®**

Setting new benchmarks in productivity efficiency with high torque density

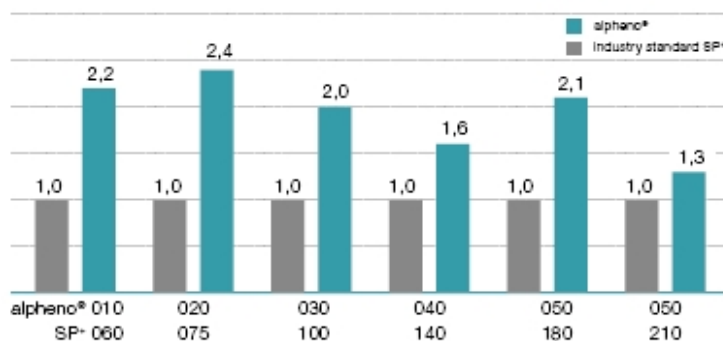


Benefit from being unique

With a design which reaches new limits for torque density, this gearbox is the product of choice in highly challenging applications where individual requirements exceed the performance capabilities of the standard product range.

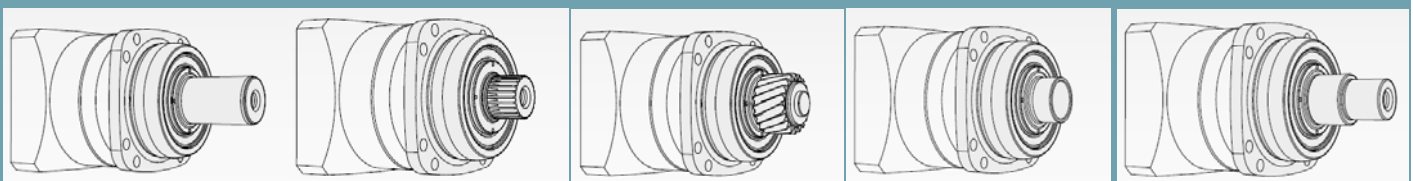
The alpheno® is selected for your machine. Our engineering team is readily available to discuss the challenges of your application.

Power density of industry standard and **alpheno®**



Torsional backlash [arcmin]	< 1
Ratio [-]	3 - 100
Max. acceleration torque [Nm]	2800
alpha peak torque [Nm]	3360
Max. input speed [rpm]	6000
Efficiency at full load [%]	97

Options



Smooth shaft

Involute gearing

Included pinion

Shaft mounted

Customized

Like the popular alpha SP+, the alpheno® is also available in a high speed version and with a hollow shaft at the output. A version with optimized mass inertia guarantees maximum energy efficiency. Combine the alpheno® with the alpha rack system for unbeatable linear motion.

Upgrade from the alpha SP+

The engineering team at WITTENSTEIN optimized the design of the alpha SP+ to create a product which goes beyond the standard gearbox. With unprecedented technical specifications and customizable options, the alpheno® opens up new outlets for design engineers.

Experience the future design of motion control systems and ask us for more information about the alpheno® from WITTENSTEIN.