



WITTENSTEIN

alpha

alpheno[®]

A new dimension in perfection

unique
pioneering
phenomenal



al [pha] + **pheno** [menal]

= alpheno[®]

Uniquely powerful

Perfect is never perfect enough

The performance of planetary gearheads is taken to an entirely new level with **alpheno®**. While others are still reflecting on ways to improve precision and operating noise, WITTENSTEIN alpha is already one step ahead. For several years, **alpheno®** has been the model of choice in highly challenging applications where individual requirements exceed the performance capabilities of the standard product range. The power density of **alpheno®** has been increased by up to 140% compared to the SP+ – exceeding all current standards in the market.

WITTENSTEIN alpha sets a new benchmark

The **alpheno®** output interface assures higher power transmission.

The industry standard interface limits the torques transmitted by the gearhead in the application. **alpheno®** overcomes this limitation.



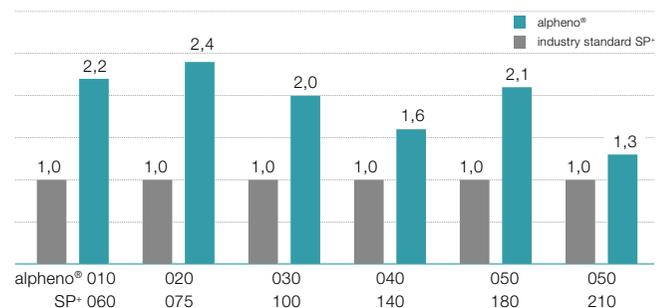
Thanks to the new output design, you can leverage the technical advances achieved with our **alpheno®** – and the resulting performance enhancement – directly for your application.

alpheno® impresses with optimal power density

We offer you compact solutions and improved performance

- if you require an even more compact drive
- if you wish to enhance the performance of your machine
- if you require a specific system solution

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



alpheno® – a new dimension in perfection

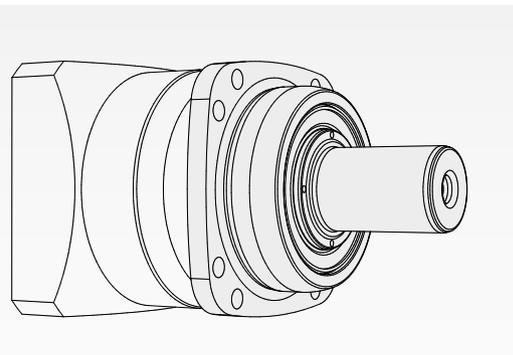
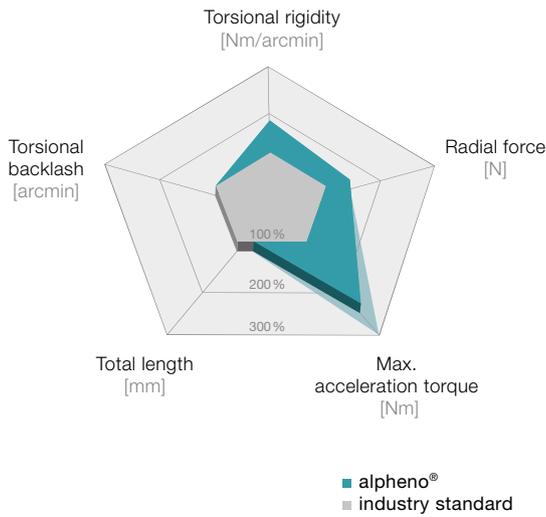
al [pha] + pheno [menal] =

Performance data

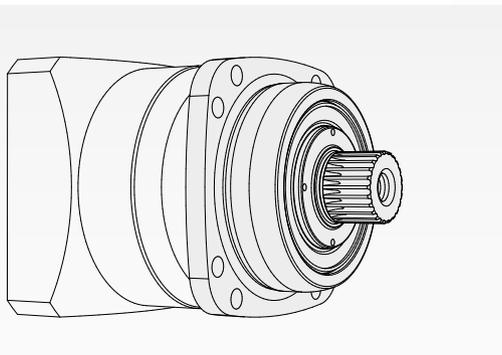
Are you searching for a solution specially adapted to your needs? We enter into close collaboration with all our customers to develop personalized solutions and produce the perfect design for your drive applications.

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

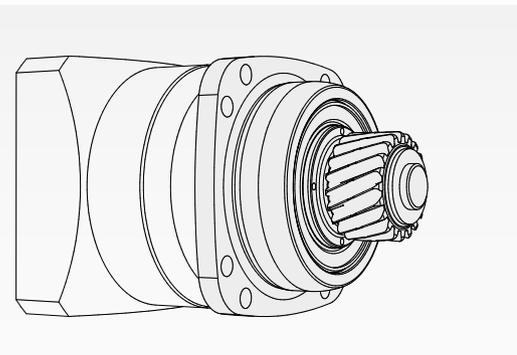
alpheno® compared to the industry standard



Smooth shaft



Involute gearing



Incl. pinion

= alpheno®



Support & Engineering

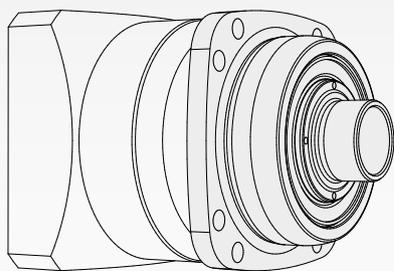
During the development stages of an application, communication and cooperation are vital. Benefit from our extensive experience, the unparalleled competence of our highly qualified team and the superior service of **WITTENSTEIN engineering**.

Together with you, we can develop your optimal motion control solution.

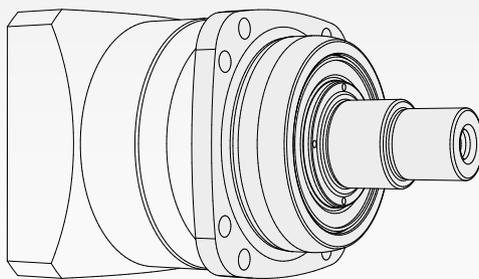


The benefits for you

- greater accuracy during the design process
- maximum power output
- uncovering hidden potential
- possible use of smaller gearheads to reduce costs



Shaft mounted



Customized

Options

Like the SP+ shaft gearhead, alpheno® is also available in a HIGH SPEED® version and with a hollow shaft at the output. A variant with optimized mass inertia guarantees maximum energy efficiency. In combination with the WITTENSTEIN alpha rack-and-pinion portfolio, alpheno® represents an unbeatable drive solution in the field of linear motion.

Pioneering – your partner for the future

Partnership

We work towards fostering a personal relationship with our customers built on trust and mutual values. Working together with you, we develop a future focused on solutions for the requirements of a constantly evolving market.



Dr.-Ing. E. h. Manfred Wittenstein
President of WITTENSTEIN AG

Emerging from close communication is a partnership of success.

Give us your challenge and we will create astounding benefits. Discover our excellence!

Together we can increase your competitive advantage and secure the future of your success.

Quality & Reliability

We define quality as an active philosophy. Only a thorough Quality Management System with the most modern measuring and testing methods ensures total quality control. We guarantee the quality and reliability of your alpheno® with our 100 % exit testing.



Global Distribution & Service

Simply put, we are where you need us: A worldwide sales and service network is working to provide you with rapid response and dedicated service.

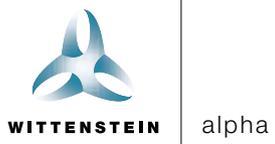
Our professional contacts are local to you, always ready to provide answers to your questions.



Your alpheno® ready for delivery in only 48 hours.

Would you like to be more flexible, implement your ideas more quickly and be able to make snap decisions? Then speedline® is the right service for you. Your alpheno® will be ready within 48 hours ex works at attractive conditions – customized to fulfill your individual requirements.





WITTENSTEIN alpha GmbH · Walter-Wittenstein-Straße 1 · 97999 Igersheim · Tel. +49 7931 493-10800 · info-alpha@wittenstein.de

www.wittenstein-alpha.de

