



NTP planetary gearbox: Torsional backlash minimized, absorption of external forces improved

WITTENSTEIN alpha GmbH has now unveiled the NTP – the newest planetary gearbox in the alpha Value Line. The key performance characteristics that set it apart from the current market standard in cost-sensitive applications for precision gearboxes are the minimized torsional backlash for more motion and repeat accuracy and the improved ability to absorb high external forces – achieved by means of an extra-stable roller bearing at the output. The NTP planetary gearbox additionally impresses with significantly enhanced synchronization properties thanks to the optimized micro geometry of the teeth.

The NTP has torsional backlash of ≤ 5 arcmin and is now available in four different sizes from 015 to 045, with maximum torques from 56 to 800 Nm and gear ratios from 4 to 100. Approved, food grade lubricants can be supplied for applications in the food industry. The flange gearbox – which is instantly recognizable from the blue housing with a surrounding design element – can be easily configured with the help of the sizing tool cymex®.

Head start through a combination of best-in-class features

The success of the NTP product series is due not least to the fact that users benefit simultaneously from several best-in-class features, for instance low torsional backlash with higher torque density, high tilting moments with improved synchronization behavior or high torsional stiffness with increased absorption of external forces. After all, it is now even easier for machine manufacturers to deploy WITTENSTEIN gearboxes in axes with the most diverse requirements – and profit from precisely differentiated prices and performance levels.

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WITTENSTEIN SE develops customized products, systems and solutions for highly dynamic motion, maximum-precise positioning and smart networking for mechatronic drive technology.



NTP – The newest planetary gearbox in the alpha Value line

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An eye on the market

From handling to automation and from packaging technology to machine tools, every market and every requirement makes special demands as regards features like torsional backlash, service life, installation space or torque density. The NTP planetary gearbox in WITTENSTEIN's alpha Value Line caters for a number of steadily growing application segments in the market for precision gearboxes, in which people are well aware of the importance of high performance but are nevertheless obliged to pay attention to cost efficiency.

Pictures:

(Picture source: WITTENSTEIN SE)



01: NTP – the newest planetary gearbox in the alpha Value Line impresses with minimized torsional backlash for more motion and repeat accuracy and an improved ability to absorb high external forces.

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02: The NTP has torsional backlash of ≤ 5 arcmin and is now available in four different sizes from 015 to 045, with maximum torques from 56 to 800 Nm and gear ratios from 4 to 100.



03: Key visual of the alpha Value Line

Texts and photographs in printable quality can be downloaded from presse.wittenstein.de

WITTENSTEIN – one with the future

With around 2800 employees worldwide and sales of €461 million in 2021/22, WITTENSTEIN SE enjoys an impeccable reputation for innovation, precision and excellence in the field of cybertronic motion – not just in Germany but internationally. The group possesses exceptional expertise for the mastery and further development of all technologies relevant to mechatronic drives and comprises six innovative Strategic Business Divisions. These develop, produce and sell products such as high-precision servo drives and linear systems, servo systems and motors as well as cybertronic drive systems for many areas of application including machine and plant construction, aerospace or oil and gas exploration. Nanotechnology and software components round off the portfolio. With 25 sites in more than 45 countries, the WITTENSTEIN group (www.wittenstein.de) is represented in all major technology and sales markets.

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