

Localization
Digitalization
Personalization

XP+ Planetary Gearboxes
alpha Premium Line

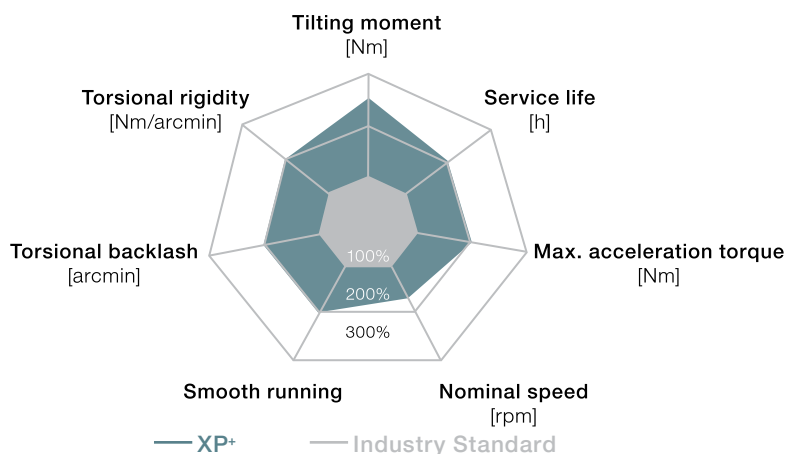


WITTENSTEIN

XP+ production comes to Bartlett, IL. Extremely compact and engineered for maximum performance, the XP+ establishes new standards for motion control. The XP+ features the highest torque density in the market – combined with maximum torsional rigidity and tilting moment capacity.



1	Torque Capacity	2	Power Density	3	Rigidity	4	Tilting Moment
	up to +180%**		up to +90%		up to +60%		up to +280%
	<ul style="list-style-type: none"> • Shortens cycle times • Increases dynamics • Improves machine productivity 		<ul style="list-style-type: none"> • Compact frame size • Larger output shaft • Reduced installation space 		<ul style="list-style-type: none"> • Steeper acceleration ramps • Improved precision ($\leq 1-3$ arcmin) • Increased repeatability 		<ul style="list-style-type: none"> • Absorbs external forces • Eliminates external bearings • Greater torque transmission



Technical Data

Product Type		XP+
Ratio ^{e)}	i	3 -100
Number of Sizes		5
Max. Backlash ^{e)}	j_t [arcmin]	Standard ≤ 3 Reduced ≤ 1
Max. Torque	T_{2a} [Nm]	56 - 3840
Max. Input Speed	n_{1Max} [rpm]	7500
Torsional Rigidity	C_{t21} [Nm/arcmin]	290
Max. Tilting moment	M_{2KMax} [Nm]	3256

[Click here to visit our product page for complete technical data!](#)

Additional Products



Max. backlash :
≤ 2 - 4 arcmin
Ratio:
12 - 1,000
Max. torque:
80 - 2,52 Nm



Max. backlash :
≤ 2 - 4 arcmin
Ratio:
4 - 20
Max. torque:
48 - 2,646 Nm



Premium Linear System with XP+

Also Available:
• HIGH SPEED
• HIGH TORQUE

Localization. Where you are.

Our North American headquarters in Bartlett, Illinois houses our executive, sales, engineering and technical support teams, as well as our Technical Center for machining, assembly, testing, service and inventory of products. We locally produce 75% of the products we offer, while continuing to add to our local production portfolio. Our Midwest U.S. location puts product, expertise and quality within easy reach for our customers in North America. You can always contact WITTENSTEIN North America for assistance with technical, design or application-specific questions.



Digitalization. Stay connected.



Smart gearboxes with cynapse® provides a simple way to connect your gearbox to tomorrow's digital world. Using the connectivity of an IO-Link interface, a sensor module is integrated into the existing installation space. You have access to measured variables such as temperature, vibration, operating hours and acceleration as well as product-specific information on the gearbox. This minimizes the risk of gearbox damage and prevents machine downtime.

Ask about a free cynapse® trial.
Combined with the WITTENSTEIN service portal, we support the entire life cycle of your gearbox.

[Click here to learn more about our digitalization efforts.](#)



Personalization. Find what fits.

Each WITTENSTEIN North America customer has a dedicated team of support professionals to assist with pricing, ordering, repairs, sizing and other customer service needs. Since 1983 when we introduced the world's first low-backlash planetary gearbox, WITTENSTEIN has exemplified excellence that optimizes results for our customers. See how our accessibility, our expertise and our integrity work for you.

Contact us today for a tour of our facility, a product training schedule or more information about WITTENSTEIN.



[Click here to view our catalog.](#)

cymex® 5 enables the simple dimensioning and evaluation of the complete drive train.

