

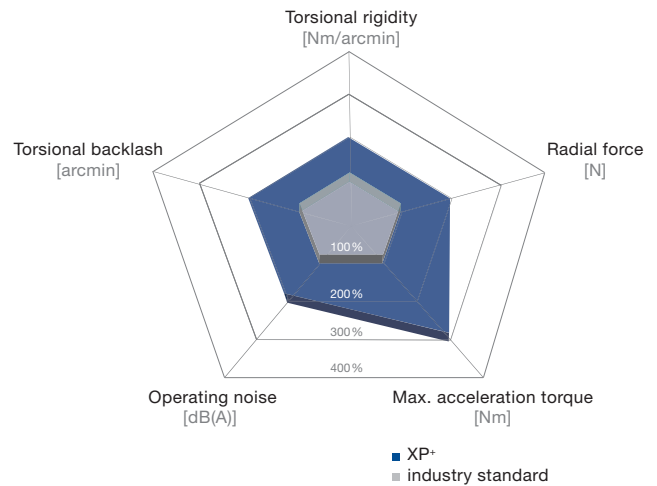
XP+ – Perfection in a new dimension



The XP+ with specially designed output and extremely compact design offers new dimensions in power transmission that far exceed industry standards. The optimized interfaces on the output can generate much higher torques that directly benefit your application.

- The XP+ impresses with maximum power density
- if you require an even more compact drive
 - if you wish to enhance the performance of your machine
 - if you require high-performance linear systems

The XP+ compared to the industry standard



Product highlights

- Max. torsional backlash [arcmin] ≤ 1
- Maximum power density
- High axial and radial forces



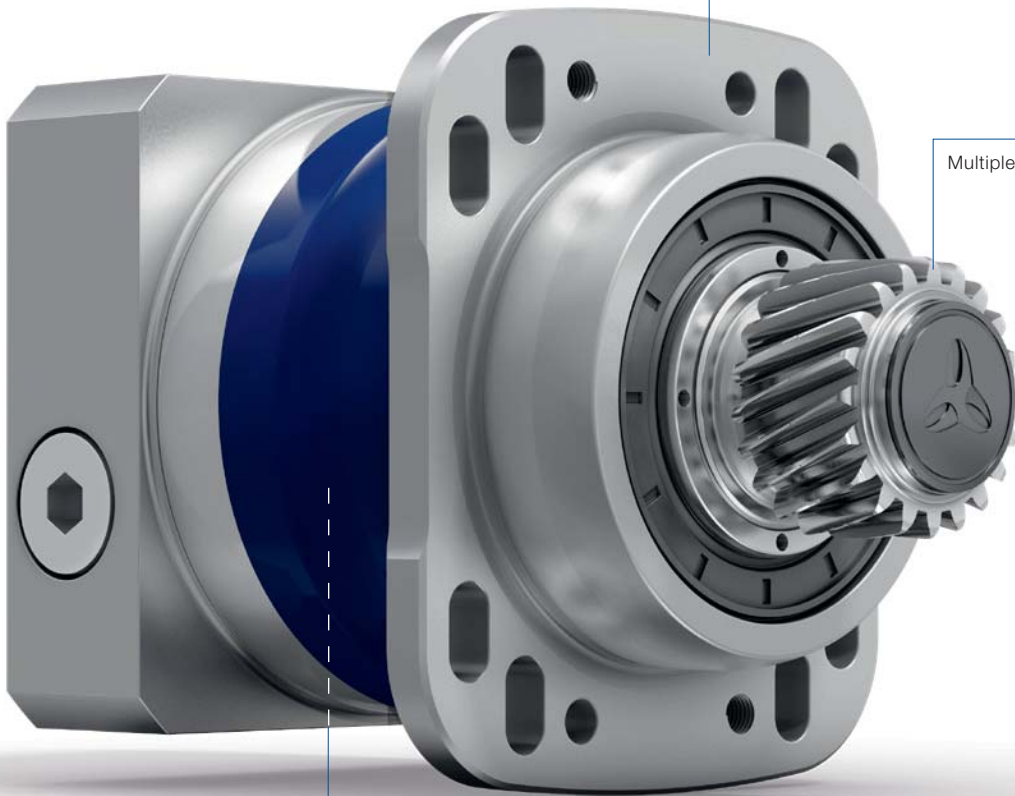
XP+ with splined shaft



XP+ with pinion and slots

Specially designed output for transmitting extremely high torques, Can withstand high tilting torques

Multiple output options



XP+ with pinion and slots

Outstanding tothing quality minimizes torsional backlash



XP+ with pinion, slots and rack



premo® High Line with pinion

XP+ – Product features

Your benefits

	XP+ MF-Version / MC-Version
Features	
Power density	++++
Positioning accuracy (e.g. clamped drives)	++++
Highly dynamic applications	+++
Torsional rigidity	++++
Space-saving design	+++
Easy assembly	++++

Technical data

		XP+ MF-Version / MC-Version
Ratio	i	3 – 100
Number of sizes		5
Max. torsional backlash	j_t [Nm/arcmin]	Standard ≤ 3
		Reduced ≤ 1
Max. torque	$T_{2\alpha}$ [Nm]	42 – 3840
Max. input speed	n_{1Max} [rpm]	8500
Max. tilting moment	M_{2KMax} [Nm]	3256
Torsional rigidity	C_{t21} [Nm/armin]	5 – 290

Options

	XP+ MF-Version / MC-Version
Output type	
Smooth shaft	✓
Shaft with key	✓
Splined shaft (DIN 5480)	✓
Blind hollow shaft	✓
System output with pinion	✓
Input type	
Motor-mounted version	✓
Input shaft	✓
Design	
Food-grade lubrication ^{a) b)}	✓
Optimized mass inertia	✓
Accessories	
Coupling	✓
Rack	✓
Pinion	✓
Shrink disc	✓

a) Power reduction: Technical data available on request

b) Please contact WITTENSTEIN alpha

