

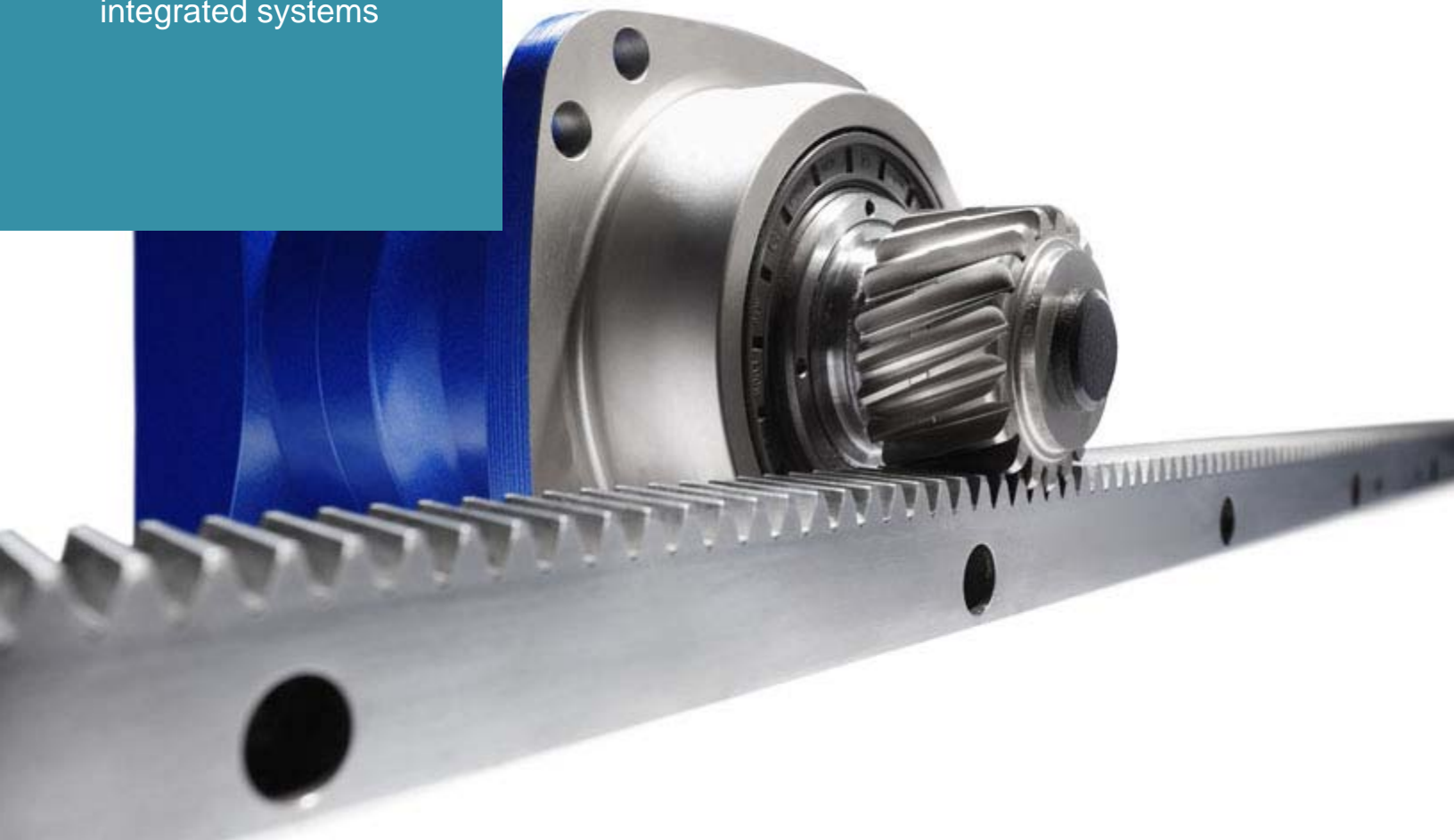


WITTENSTEIN

limitless options
efficient
integrated systems

Rack & Pinion Systems

Value, Smart & Premium Class
NEW Performance Class Systems



Rack Systems from WITTENSTEIN

The widest range of options with the highest productivity efficiency



Value Class Rack

- Economic rack for low-duty applications
- **NEW OPTIONS**
 - o m2-m10
 - o Customized length and bolt pattern
 - o Helical and spur gear technology
 - o DIN Q6 through DIN Q10 (ground and hardened)

Smart Class Rack

- Solution-oriented, innovative rack systems
- Absence of mounting edge allows for simple mounting

Premium Class Rack

- Highly dynamic and accurate applications

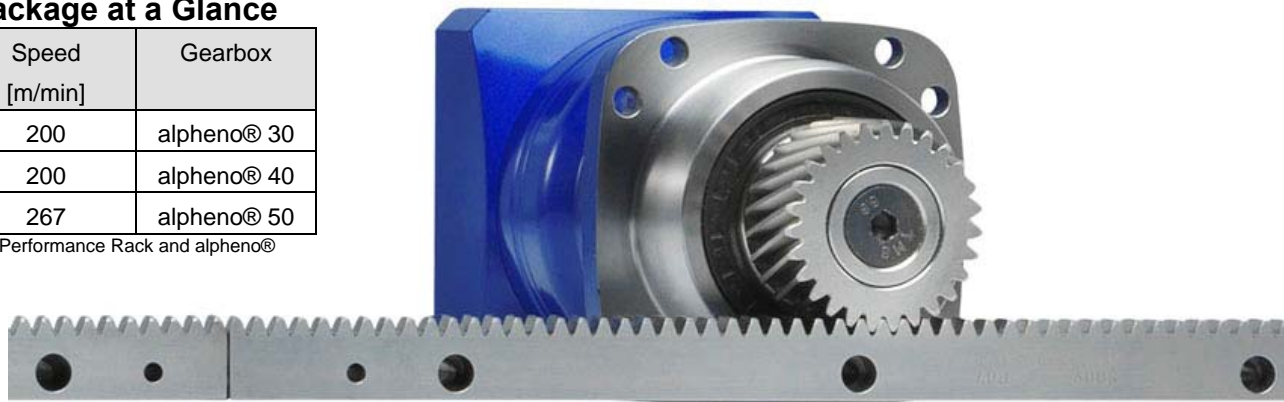
NEW – Performance Class Systems

Increasing systems performance could only be achieved by developing a new class of racks. The case-hardened rack forms the Performance package together with the alpheno® low-backlash planetary gearhead. The combination of the new rack, alpheno® gearhead and pinion excels with its power density and extremely high positioning accuracy in its performance class.

Performance Package at a Glance

Feeding force [N]	Speed [m/min]	Gearbox
8000	200	alpheno® 30
12000	200	alpheno® 40
17600	267	alpheno® 50

With Premium Class pinion, Performance Rack and alpheno®



One System – Five Benchmarks

1. Feeding force up to 180 kN
2. Acceleration torque up to 3800 Nm
3. Speeds up to 440 m/min
4. Maximum acceleration torque: 3800 Nm
5. Absolute precision with less than 5 μm

alpheno® gearhead

The performance of planetary gearheads is taken to an entirely new level with alpheno®, creating an unbeatable linear drive solution when combined with WITTENSTEIN's alpha rack & pinion portfolio.

PC+ pinion

The Premium Class+ pinion excels with high linear rigidity and precision. These features are particularly evident in combination with the alpheno®.

Performance rack

The Performance rack is characterized by a unique hardening process that sets it apart from all other racks in the market. Case-hardening steel in conjunction with a genuine carburization process make it a truly robust machine.

