

Product Range

Servo-Worm Gear Units

Matching to our variety of high-quality racks we offer three different variants of servo angle gear units as precision gearboxes.

Our servo-worm gear units with low-backlash enjoy an excellent reputation worldwide. The three quality levels and different sizes enable a designer to select the required precision according to his requirements and budget. All servo angle gearboxes are available in the ATEX version and optionally with food graded oil.

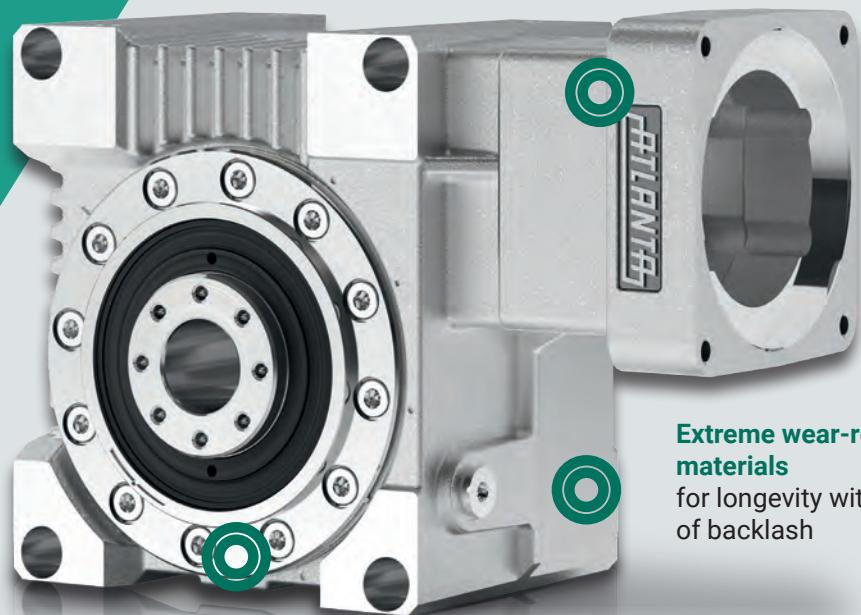


Backlash
 $\leq 1 \text{ arcmin}$



max. output torque
up to 2200 Nm

Modular motor flange
for easy interchangeability
of servo motors



Extreme wear-resistant materials
for longevity without loss
of backlash

Special storage
for extremely small backlash such as
highest rigidity and highest precision



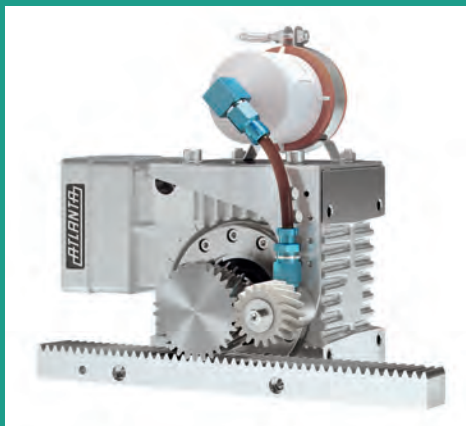
Features

- ✱ three variations (High Torque, High Performance and Economy)
- ✱ backlash <1 up to <5 arcmin
- ✱ 6 sizes (centre distance 32, 50, 63, 80, 100 and 125mm)
- ✱ 8 ratios 4,75 up to 52:1
- ✱ output: hollow shaft, with key or for clamp connection, with interface according EN ISO 9409-1-A
- ✱ highest rigidity, highest precision
- ✱ ATEX design available
- ✱ continuous operation possible (<80°C max.1500 rpm)
- ✱ available in variation with food grade oil

Unique Selling Points

- ✱ special storage
- ✱ extremely small backlash for servo worm gear units
- ✱ wear-resistant materials therefore no change in the backlash even after years of use
- ✱ easy interchangeability between the gearbox series
- ✱ very long know-how in the gear technology
- ✱ modular motor flange
- ✱ special couplings for motor gearbox connection, thus backlash-free gearbox and maximum power transmission

Lubrication Systems



Adequate lubrication is necessary to ensure consistent precision of the drive systems over the years. The flexible and user-friendly ATLANTA lubrication systems are used in almost all areas of drive technology worldwide.

- ✱ 4 different lubrication systems
- ✱ for single and multi-point lubrication
- ✱ felt lubrication pinion for an even supply of lubricant to the tooth flanks.
- ✱ individually adjustable emptying time up to 36 months
- ✱ up to 70 bar (1015 psi) delivery pressure for long supply routes
- ✱ power operation by battery, voltage supply 24V or via SPS