



AG3210 | Economy planetary gear units

The planetary gear units of the AG3210 economy series with output shaft are a cost-efficient alternative to our high-end AG2210 gears. The gears, which are available in single-stage and dual-stage versions, are compatible in their mating dimensions with those of the high-end AG2210 series, offering added value with regard to the transmittable torque as well as radial and axial force, and significantly reduced torsional backlash. The AG3210 series is available in standard and high-torque versions for AM8000 and AM8500 servomotors. The gear ratios are finely scalable and range from 3 to 100.

Features

- equipped with output shaft
- standard version for applications with high positioning accuracy in dynamic cyclical operation; high-torque version for high-torque applications
- 5 sizes with up to 21 gear ratios
- acceleration torques from 18 to 640 Nm
- high efficiency and high power density
- high radial and axial forces with low torsional backlash
- lubricated for life
- IP 64 protection rating; any installation position
- integrated into TC Motion Designer for optimal specification

Technical data	AG3210
Type of gear	planetary gear
Variant	standard MF
Life span	> 20,000 h
Coating/surface	RAL7016 (grey)
Ambient temperature	-15...+40 °C
Lubrication	lubricated for life
Installation position	variable
Protection class	IP 64
Mechanically compatible with	flange code F (typical combination according to specifications)

Options	AG3210
Feather key groove	according to DIN 6885 P1
Sizes	6 sizes