



## AG2400 | High-end planetary gear units with output flange

The planetary gear units with output flange in the high-end AG2400 series absorb maximum radial and axial forces and transmit highest torques. High-quality gear tooth systems result in very low torsional backlash, making this gear series the ideal solution for dynamic and highly accurate positioning applications. The low-noise gears of the AG2400 series are optimised for the AM8xxx high-performance servomotors and meet the highest requirements regarding precision, dynamics and power density.

### Features

- equipped with output flange
- standard version for applications with high positioning accuracy in dynamic cyclical operation; high-torque version for high-torque applications
- 7 sizes with up to 17 gear ratios
- acceleration torques from 32 to 6,000 Nm
- maximum efficiency
- maximum radial and axial forces with very low torsional backlash
- lubricated for life
- IP 65 protection rating; any installation position
- integrated into TC Motion Designer for optimal specification

| Technical data               | AG2400  |
|------------------------------|---|
| 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            | AG2400   |
|--------------------|--|
| Feather key groove | according to DIN 6885 P1   |
| Design form        | planetary gear with output flange  |
| Sizes              | 6 sizes  |
| Gear ratios        | 17 gear ratios; 1-stage with $i = 3, 4, 5, 7, 10$ ; 2-stage with $i = 16, 20, 25, 28, 35, 40, 50, 70, 100$ |