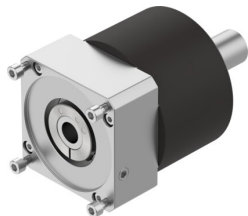


# Gear unit

## EMGA-160-P-G5-SAS-140

Part number: 552201

FESTO



## Data sheet

| Feature                         | Value                  |
|---------------------------------|------------------------|
| Gearbox flange size             | 160 mm                 |
| Motor flange size               | 140 mm                 |
| Torsional backlash              | 0.1 deg                |
| Gearbox type                    | Planetary gear set     |
| Gear ratio                      | 5:1                    |
| Max. actuator speed             | 6500 rpm               |
| Gearbox operating temperature   | -25 °C...90 °C         |
| LABS (PWIS) conformity          | VDMA24364-B2-L         |
| Degree of protection            | IP54                   |
| Continuous output torque        | 450 Nm                 |
| Mass moment of inertia, gearbox | 6.07 kgcm <sup>2</sup> |
| Max. output torque              | 720 Nm                 |
| Max. efficiency                 | 98 %                   |
| Torsional rigidity              | 38 Nm/arcmin           |
| Product weight                  | 18000 g                |
| Permissible axial shaft load    | 7000 N                 |
| Permissible radial shaft load   | 5000 N                 |
| Gearbox interface, output shaft | 160G                   |
| Gearbox interface, actuator     | 140A                   |
| Note on materials               | RoHS compliant         |