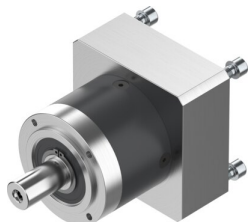


# Gearbox EMGA-80-P-G3-SAS-100

Part number: 552194

FESTO



 [General operating condition](#)

## Data sheet

| Feature                         | Value                  |
|---------------------------------|------------------------|
| Gearbox flange size             | 80 mm                  |
| Motor flange size               | 100 mm                 |
| Torsional backlash              | 0.12 deg               |
| Gearbox type                    | Planetary gear         |
| Gear ratio                      | 3:1                    |
| Max. actuator speed             | 7000 rpm               |
| Gearbox operating temperature   | -25 °C ... 90 °C       |
| LABS (PWIS) conformity          | VDMA24364-B2-L         |
| Degree of protection            | IP54                   |
| Continuous output torque        | 85 Nm                  |
| Mass moment of inertia, gearbox | 0.77 kgcm <sup>2</sup> |
| Max. output torque              | 136 Nm                 |
| Max. efficiency                 | 98 %                   |
| Torsional rigidity              | 6 Nm/arcmin            |
| Product weight                  | 2100 g                 |
| Permissible axial shaft load    | 1000 N                 |
| Permissible radial shaft load   | 750 N                  |
| Gearbox interface, output shaft | 80G                    |
| Gearbox interface, actuator     | 100A                   |
| Note on materials               | RoHS-compliant         |