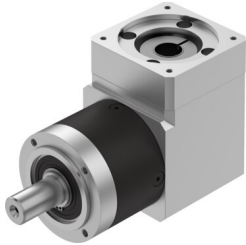


Gear unit EMGA-80-A-G8-80P

Part number: 8141744

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---------------------------------|-------------------------|
| Gearbox flange size | 80 mm |
| Motor flange size | 80 mm |
| Torsional backlash | 0.22 deg |
| Gearbox type | Angular gear |
| Gear ratio | 8:1 |
| 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 | 50 Nm |
| Mass moment of inertia, gearbox | 0.934 kgcm ² |
| Max. output torque | 80 Nm |
| Max. efficiency | 94 % |
| Torsional rigidity | 4.2 Nm/arcmin |
| Product weight | 4400 g |
| Permissible axial shaft load | 1000 N |
| Permissible radial shaft load | 750 N |
| Gearbox interface, output shaft | 80G |
| Gearbox interface, actuator | 80P |
| Note on materials | RoHS-compliant |