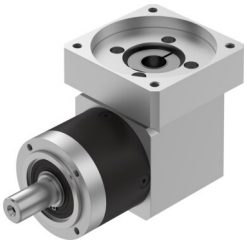
Gear unit
EMGA-80-A-G8-100A

Part number: 8141747



Data sheet

Feature	Value
Gearbox flange size	80 mm
Motor flange size	100 mm
Torsional backlash	0.22 deg
Gearbox type	Miter gears
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 kgcm²
Max. output torque	190 Nm
Max. efficiency	94 %
Torsional rigidity	4.2 Nm/arcmin
Product weight	4500 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