

**NEW**

# ILM-CYK Gear Motor

**Integrated Motor – Gearbox Combination**



Driving Motor Gearbox	Unit	70X18 CYK080 -
Reduction ratio		63:1
Rated output torque	Nm	40
Acceleration torque	Nm	80
Max. tilting moment	Nm	140
Max. input speed	rpm	5000
Max. lost motion	arcmin	1,5
Torsional stiffness	Nm/arcmin	6
Tilting stiffness	Nm/arcmin	50



Cycloidal gear boxes



Planetary gear boxes



Bevel gear boxes



Planetary bevel gear boxes

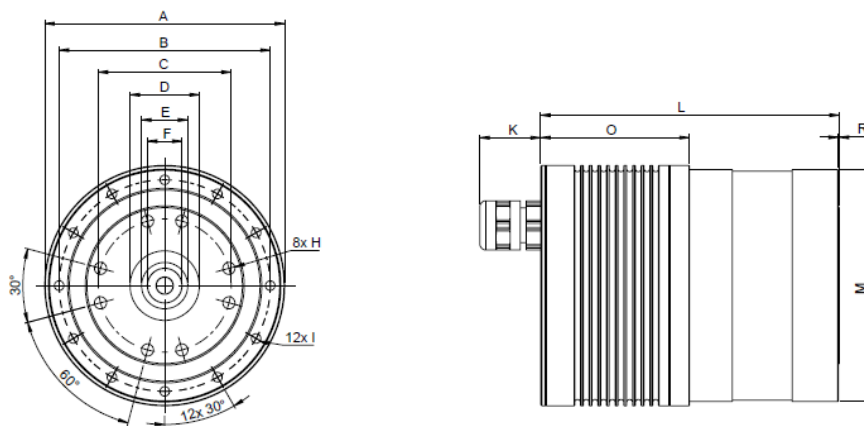


Hypoid gear boxes



Gear technology

The motor – gearbox units ILM-CYK are the first compact drives equipped with hollow shafts and cycloid gearboxes. The cycloid gearbox presents high precision with an outstanding stiffness and overload capability. The gearbox has a minimum of backlash. In combination with the RoboDrive technology, great advantages can be exploited through higher dynamic and stiffer drivetrain within the gearbox technology.



Dimensions	ILM-CYK – Solid Shaft	ILM-CYK – Hollow Shaft
<b>A</b> outer diameter	83 mm	83 mm
<b>B</b> bolt circle diameter 1	73 mm	73 mm
<b>C</b> bolt circle diameter 1	46 mm	46 mm
<b>D</b> centering diameter	24 h7	24 h7
<b>F</b> hollow shaft	-	12 mm
<b>H</b> output flange	8 x M4	8 x M4
<b>I</b> housing	12 x M4	12 x M4
<b>K</b> cable glands	21 mm	21 mm
<b>L</b> total length	103,3 mm	103,3 mm
<b>M</b> centring of housing	80 h7	80 h7
<b>O</b> motor length	51,5 mm	51,5 mm
<b>R</b>	0,3 mm	0,3 mm

### Features and Benefits:

- High torsional stiffness
- Compact construction, therefore space saving design
- Higher overload factors
- High efficiency
- High reliability and availability
- High service life

A joint project of EGT Eppinger GmbH and TQ Systems GmbH