

The new generation of the MPG design series is here!

Low-backlash planetary gearboxes from VOGEL combines maximum flexibility with high power density.

- Installation as desired through universal design type
- Ideal for servo applications with high rotation speed ranges
- Large continuous transmission ratio range
- Flanged shaft
- Reduced noise emission through highest level of concentricity accuracy and through the special gearing geometry of the MPG design series, which makes gradual meshing possible
- Up to 20% higher torques than spur toothed planetary gearboxes
- Simplified flexible motor attachment
- Excellent gearbox service life



NEW

TECHNICAL DATA



Gearing

Helical gearing

Sizes

050, 100, 200, 300

One-stage transmission

In integer form and mathematically exact:

$i = 4,0$
 $i = 5,0$
 $i = 7,0$
 $i = 10,0$

Two-stage transmission

In integer form and mathematically exact:

$i = 16,0$
 $i = 20,0$
 $i = 25,0$
 $i = 28,0$
 $i = 35,0$
 $i = 40,0$
 $i = 50,0$
 $i = 70,0$
 $i = 100,0$

Lubrication

Life-time lubrication with synthetic gear oil

Protection type

IP65

- Dust-tight
- Hose-proof

Size	Number of stages	Circumferential backlash		Max. acceleration torque $T_{2\text{ bzul}}$	Max. input speed $n_{1\text{ maxzul}}$
		Standard [arcmin]	Reduced [arcmin]	[Nm]	[rpm]
MPG 050	1-stage	≤ 4	≤ 2	up to 44	up to 6000
	2-stage	≤ 4	≤ 2	up to 44	up to 6000
MPG 100	1-stage	≤ 3	≤ 1	up to 120	up to 6000
	2-stage	≤ 3	≤ 1	up to 120	up to 6000
MPG 200	1-stage	≤ 3	≤ 1	up to 330	up to 4500
	2-stage	≤ 3	≤ 1	up to 330	up to 4500
MPG 300	1-stage	≤ 3	≤ 1	up to 660	up to 4000
	2-stage	≤ 3	≤ 1	up to 660	up to 5000

Further specifications on inquiry. Right to technical changes reserved.

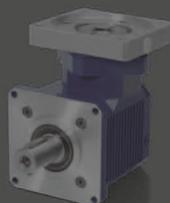
Our spectrum:



Spiral bevel gearboxes



Bevel helical gearboxes



Servo spiral bevel gearboxes



Phase shifter gearboxes



Low-backlash planetary gearboxes



Planetary gearboxes