



HIGH TORQUE!

New sizes now available for the MPR and MPG models!

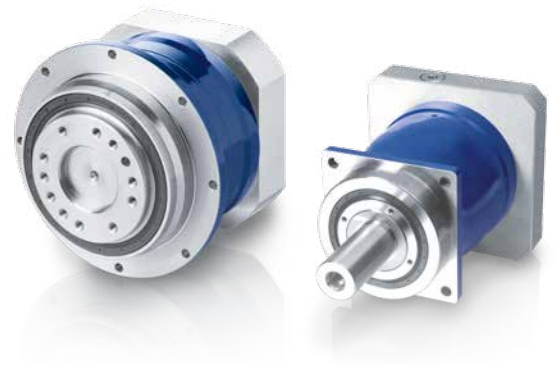
Low backlash planetary gearboxes from VOGEL combine maximum flexibility with high power density.

NEW

- Universal design allows any type of installation
- Ideal for servo applications with high speed ranges
- Large, continuous ratio range
- Reduced noise emission
- Remarkably higher torques than straight-toothed planetary gearboxes
- Simplified, flexible motor attachment
- Above-average gearbox service life
- MPG design range with flanged shaft
- MPR design range. Solid shaft without key. Optionally with key or with splined shaft DIN 5480

MPR | MPG

Low backlash planetary gearboxes



Technical data

Gear teeth

Helical gearing

Sizes

MPR 400, 500 and 600
MPG 400, 500 and 600

One-stage ratio

in whole numbers and mathematically exact:

- i = 3,0*
- i = 4,0**
- i = 5,0
- i = 7,0
- i = 10,0

Two-stage ratio

in whole numbers and mathematically exact:

- i = 12,0*
- 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

Permanent lubrication using synthetic gearbox oil

Protection class

IP65

- dust-tight
- water-jet proof

* Ratios not with MPG 400, 500 and 600
** Ratios not with MPG 500 and 600

Size	Number of stages	Backlash		Max. acceleration torque $T_{2 \text{ bzul}}$ [Nm]	Max. input speed $n_{1 \text{ maxzul}}$ [min ⁻¹]
		Standard [arcmin]	Reduced [arcmin]		
MPR 400	1-stage	≤ 3	≤ 1	up to 1250	up to 3500
	2-stage	≤ 5	≤ 3	up to 1250	up to 4000
MPR 500	1-stage	≤ 3	≤ 1	up to 2600	up to 2500
	2-stage	≤ 5	≤ 3	up to 2600	up to 3500
MPR 600	1-stage	≤ 3	≤ 1	up to 4600	up to 2500
	2-stage	≤ 5	≤ 3	up to 4600	up to 3500
MPG 400	1-stage	≤ 3	≤ 1	up to 1650	up to 3500
	2-stage	≤ 3	≤ 1	up to 1650	up to 4000
MPG 500	1-stage	≤ 3	≤ 1	up to 3000	up to 2500
	2-stage	≤ 3	≤ 1	up to 3000	up to 3500
MPG 600	1-stage	≤ 3	≤ 1	up to 4500	up to 2500
	2-stage	≤ 3	≤ 2	up to 4500	up to 3500

Further details on request. © Note: Errors, technical modifications and printing errors reserved.



Up-to-date + compact:

All product information can be downloaded from www.vogel-antriebe.de



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SERVO gears



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