

Planetary gearheads.

Performax® 42

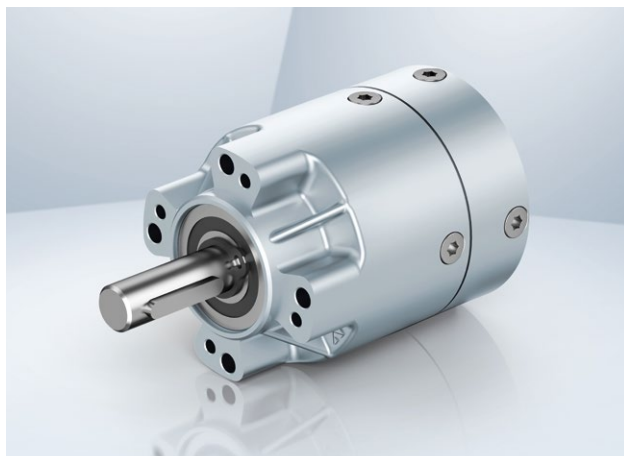


Image of 2-stage gearhead

- High power density from compact dimensions
- Very quiet operation due to helical teeth in the first gear stage
- Planetary wheels made of plastic with optimized sliding properties in the first stage ensure smooth operation
- Large effective diameter thanks to radial screw connection
- Economical setup due to use of many individual parts which are readily available on the market

Nominal data												
Gearheads		Performax® 42.1				Performax® 42.2						
Reduction ratio		3.20	5.00	9.00	17.0	21.3	30.0	38.3	54.0	72.3	102	204
No. of stages		1				2						
Efficiency		0.90				0.81						
Max. input speed (n _i)	rpm	6 000				6 000						
Rated output torque (M _{ab})	Nm	1.24	1.00	0.50	0.79	3.20	4.48	1.80	2.60	2.20	3.20	6.30
Short-term torque (M _{max})	Nm	3.10	2.50	1.25	1.98	8.00	11.2	4.50	6.50	5.50	8.00	15.8
Gear play	°	0.7 ... 1.2				0.7 ... 1.2						
Permissible operating temperature (T _U)	°C	-20 ... +80				-20 ... +80						
Operating mode		S1				S1						
Protection class		IP 50				IP 50						
Weight	kg	0.19				0.29						
Shaft load radial / axial	N	250 / 150				250 / 150						
Service life	h	5 000				5 000						
Lubrication		Maintenance-free grease lubrication for life										
Installation position		any										
Subject to alterations												
Preferred type: ready to ship in 48 hours	on request											

