

Planetary gearheads.

Performax®Plus 63



Image of 2-stage gearhead

- High torques thanks to large gearing width in the first gear stage
- Good shock resistance due to housing made of case-hardened steel with linear tooth profile in the output stage
- Very quiet running 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

Nominal data												
Gearheads		Performax®Plus 63.1				Performax®Plus 63.2						
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	6.50	11.9	7.60	4.40	45.2	64.0	28.9	41.0	16.9	23.9	27.4
Short-term torque (M _{max})	Nm	16.3	29.8	19.0	11.0	113	160	72.3	102.5	42.3	59.8	68.5
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	0.66				1.20						
Shaft load radial / axial	N	350 / 500				350 / 500						
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											

