

Planetary gearheads.

Performax® 63



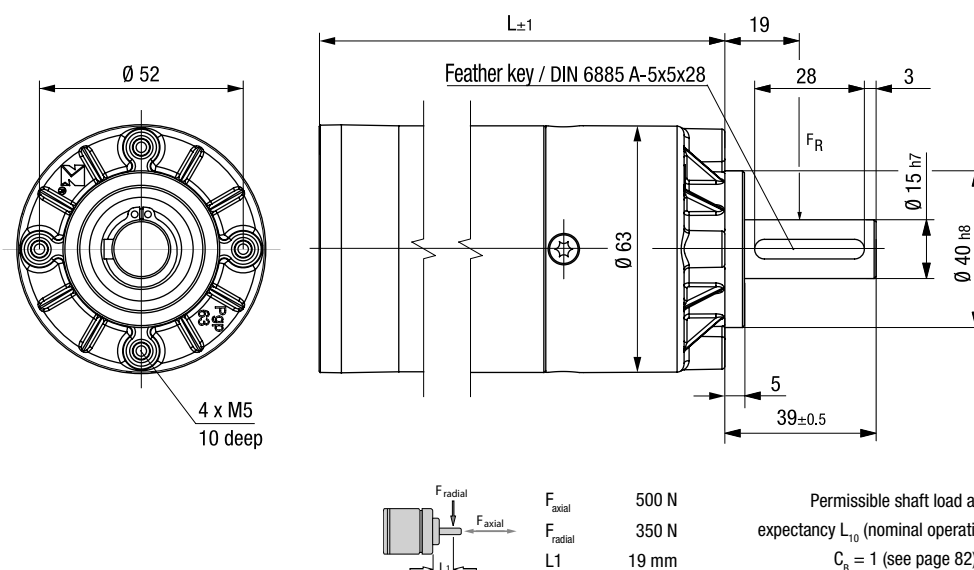
Image of 1-stage gearhead

- 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® 63.1			Performax® 63.2						
Reduction ratio		5.00	9.00	17.0	21.25	30.0	38.25	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	6.91	2.20	1.50	12.0	17	8.30	11.8	5.90	8.30	16.5
Short-term torque (M _{max})	Nm	17.3	5.50	3.75	30.0	42.5	20.8	29.5	14.8	20.8	41.3
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	0.40			0.60						
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									

Technical drawing

Image of 1-stage gearhead / All dimensions in mm



Length of the possible motor / gearhead combinations

Motor / gearhead		L - 1-stage	L - 2-stage
ECI-63.20-K1-P63	mm	152	173
ECI-63.40-K1-P63	mm	172	193
ECI-63.60-K1-P63	mm	192	213
ECI-63.20-K3-P63	mm	164	186
ECI-63.40-K3-P63	mm	184	206
ECI-63.60-K3-P63	mm	204	226
ECI-63.20-K4-P63	mm	164	186
ECI-63.40-K4-P63	mm	184	206
ECI-63.60-K4-P63	mm	204	226
ECI-63.20-K5-P63	mm	158	179
ECI-63.40-K5-P63	mm	178	199
ECI-63.60-K5-P63	mm	198	219

Subject to alterations