

Planetary gearheads.

Performax®Plus 42



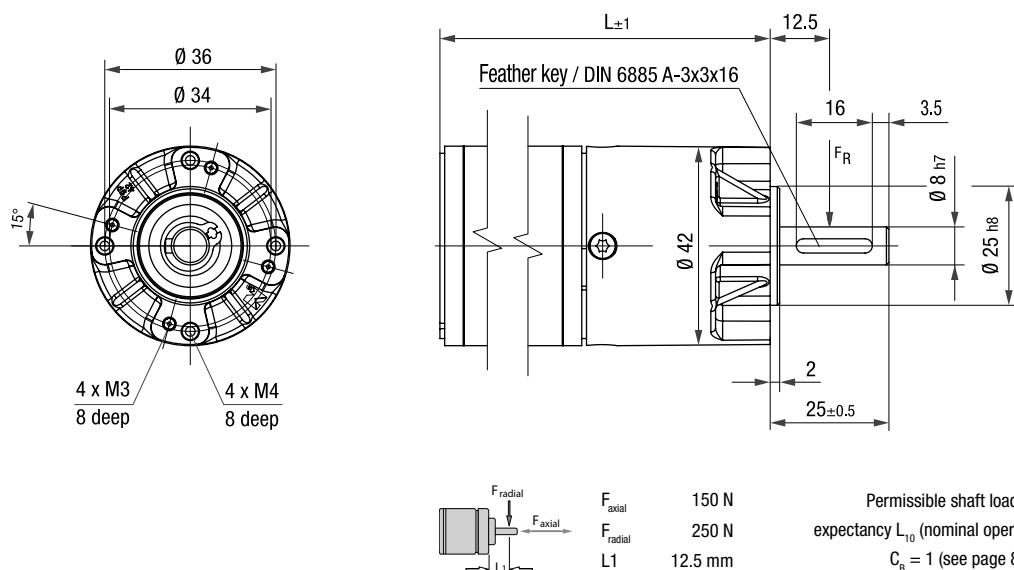
Image of 2-stage gearhead

- 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 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

Nominal data				
Gearheads			Performax®Plus 42.1	Performax®Plus 42.2
Reduction ratio			5.00	30.0
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	2.00	4.48
Short-term torque (M _{max})		Nm	5.00	11.2
Gear play		°	0.7 ... 1.2	0.7 ... 1.2
Permissible operating temperature (T _ü)		°C	-20 ... +80	-20 ... +80
Operating mode			S1	S1
Protection class			IP 50	IP 50
Weight		kg	0.22	0.33
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				

Technical drawing

Image of 1-stage gearhead / 2-stage design completely cylindrical / All dimensions in mm



Length of the possible motor / gearhead combinations

Motor / gearhead		L - 1-stage	L - 2-stage
ECI-42.20-K1-PP42	mm	133	149
ECI-42.40-K1-PP42	mm	153	169
Subject to alterations			