

Planetary gearheads.

NoiselessPlus 42



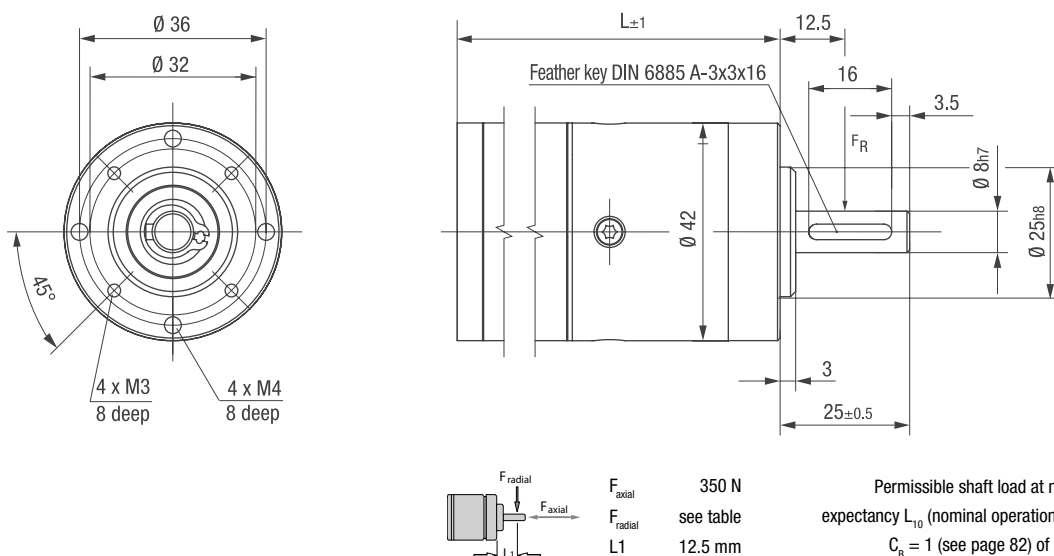
Image of 1-stage gearhead

- Very quiet operation due to helical-tooth gear stages
- Toothed parts made of plastic with optimized sliding properties ensure smooth operation
- Higher reduction ratios within first and second gear stage
- High radial loads due to double ball bearing in the output shaft
- Flexible connection to customer applications (shaft variants, centering and fastening)

Nominal data										
Gearheads		NoiselessPlus 42.1				NoiselessPlus 42.2				
Reduction ratio		4.30	6.00	11.0	21.0	26.0	47.6	66.0	121	231
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	2.52	1.96	1.10	0.38	4.00	4.28	4.94	3.02	3.66
Short-term torque (M _{max})	Nm	6.30	4.90	2.75	0.95	10.0	10.7	12.4	7.55	9.15
Gear play	°	0.2 ... 0.5				0.2 ... 0.5				
Permissible operating temperature (T _U)	°C	-20 ... +80				-20 ... +80				
Operating mode		S1				S1				
Protection class		IP 50				IP 50				
Weight	kg	0.22				0.25				
Shaft load radial / axial	N	50 / 350	80 / 350	175 / 350	220 / 350	250 / 350	520 / 350	680 / 350	900 / 350	1 000 / 350
Service life	h	10 000				10 000				
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-42.20-NP42	mm	135	162
ECI-42.40-NP42	mm	115	182
Subject to alterations			