

Gear Series **GB36K**

Planetary Reduction Gearhead - 0.5..... 3 Nm

Design

Gearhead GB36K, a moderately priced gearhead, is specially designed to cater heavy duty application in a cylindrical frame with centre shaft. This is a planetary gear box with all plastic gears . The output bearing is robust and is made of ball bearing (powdered metal on special request). The entire gearhead is permanently lubricated and therefore requires no maintenance. Brushed and Brushless DC Motors upto 52mm diameter are generally mounted on this gearhead to provide a compact and yet powerful drive.

Technical data

Gear type		Spur Gears
Gear Torque	Nm	0.5-3Nm
Combination with Mechtex motors (add assembly drawing along with proper mounting)		BI28,BI36,BI42,DC28,DC30,DC32,DC36,DC38,BO32,BO42, DC42 DC52
Mounting		4 ~ M3X0.5X7mm deep, PCDØ28
Axial thrust	N	15
Lateral force	N	45
Output Bearings		Ball bearing
Output shafts	Ø	8
Ambient temperature operation	°C	-15....+55
Enclosure	IP	40

Gearhead Data

Reduction		3.71	5.18	13.73	19.2	26.85	50.89	71.16	99.51	139.14	188.61	263.73	369.76	515.63	720.99	938.85*
Max. output shaft diameter	mm	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Max.continuous torque	(Nm)	0.5	0.5	0.5	0.5	0.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4

Note - DC38 Motor not possible with ratio marked with * suffix

Dimensional Drawing

