

Gear Series GB28K

Planetary Reduction Gearhead - 0.3..... 1 Nm



Design

Gearhead GB28K, 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 powdered metal (ball bearing on special request). The entire gearhead is permanently lubricated and therefore requires no maintenance. Brushed and Brushless DC Motors upto 36mm diameter are generally mounted on this gearhead to provide a compact and yet powerful drive.

Technical data

Gear type		Spur Gears
Gear Torque	Nm	0.3....1
Combination with Mechtex motors (add assembly drawing along with proper mounting)		BI28, DC28, DC30, DC32, DC38, MTR2b, BI24, BO32, (others like BO42, DC42, etc on special request).
Mounting		4 ~ M3X0.5 X4mm deep, PCDØ22
Axial thrust	N	20
Lateral force	N	40
Output Bearings		Powdered metal (Ball bearing on special request)
Output shafts	Ø	6mm (others on special request)
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Number of stages		1	1	2	2	2	3	3	3	3	4	4	4	4	4	4

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

Dimensional Drawing

