



## GB32P



### Planetary Gearhead - 0.5 to 3.5 Nm

#### Design

Gearhead GB32P, 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 the possibility of polyacetal gears in first stage (for low noise) and remaining stages being thick metal 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

#### Application

Gearhead Data

#### Standard Data

Parameter	Value	Unit
Gear Type	Planetary Gearhead	
Gear Torque	0.5 to 3.5	Nm
Combination with Mechtex motors	B128, DC28, DC30, DC32, DC38, MTR2b, B124, B032, B042 (others on special request)	
Mounting	4 - M3X5.5 dp, PCDØ26	
Axial thrust	20	N
Lateral force	40	N
Radial torque	0.8	Nm
Output bearing	Powdered metal (Ball bearing on special request)	
Output shafts	6mm (others on special request)	Ø
Ambient temperature operation	-15+55	°C
Enclosure	40	IP

#### Technical Data

Parameter	Value	Unit
Reduction	3.71 - 938.85	
Max. motor shaft diameter	6	mm
Number of stages	1 - 4	
Max. continuous torque	0.5 - 3.5	(Nm)
Max. efficiency	60 - 80	%
Gearhead length L1	20.6 - 39.8	mm

