

# Gear Series GB52P

Planetary Reduction Gearhead - 5...10...15.. 25 Nm



## Design

Gearhead GB52P, 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 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 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	5...10...15... 25 Nm
Combination with Mechtex motors (add assembly drawing along with proper mounting)		BI36,BI42,DC36,DC38,BO32,BO42,DC42 DC52
Mounting		4 ~ M5X11X7mm deep, PCDØ40450
Axial thrust	N	450
Lateral force	N	150
Output Bearings		Ball bearing
Output shafts	Ø	12
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	720.990	938.85
Gear Box Efficiency	%	85	85	75	75	75	70	70	70	70	65	65	65	65	65	65
Number of stages		1	1	2	2	2	3	3	3	3	4	4	4	4	4	4
Torque	Nm	5	5	10	10	10	15	15	15	15	25	25	25	25	25	25

## Dimensional Drawing

