

Gear Series **GB5P**

Spur Reduction Gearhead - 0.5.....1Nm



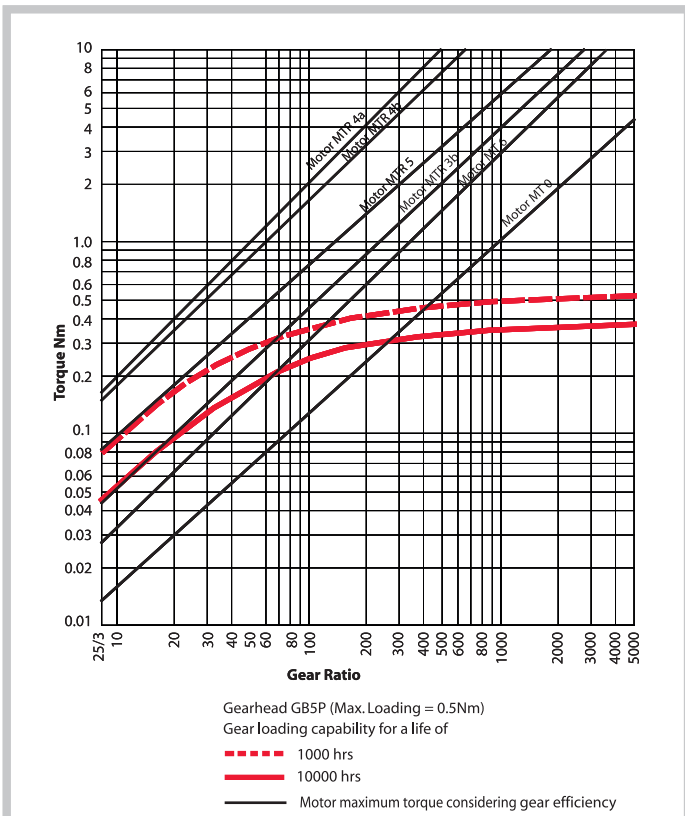
Design

Gearhead GB5P, the most popular gearhead, is a multi step gear box with all polyacetal gears which rotate on steel spindles which are polished to a mirror-finish and introduced between metal plates with a plastic frame. All bearings are permanently lubricated and therefore require no maintenance. Motor is attached to the gear box by means of snap clip. Thicker shafts (Ø6-7mm) mounted in robust bushings (Ø12mm) are available (GB5PS). Similarly the gears at the output end can be metal with thick shafts & robust bushings. Sintered gears variant also possible GB5P can also be combined with small DC Motors. To achieve higher gear torque, GB5P can be mounted on GB4, GBW & GBX. In same mounting we can also offer casted gearhead with & without ball bearing.

Technical Data

Gear Type		Spur (1st pair helical for certain ratios only)
Gear Torque	Nm	0.5.....1
Combination with Mechtex motors		Motor MT0, MT6, MTR/S3a/3b, MTR/S4a/4b and small DC motors
Mounting		any position
Weight	g	60
Axial thrust	N	20
Lateral force	N	60
Radial torque	Nm	0.6
Slipping clutches/free wheel		available for certain ratios
Output bearing		Sintered bronze sleeve bushings, (Ball bearing on request)
Output shafts	Ø	3.175, 4.00, 4.76, 5.00, 6.00 & 7.00 (others on request)
Ambient temperature operation	°C	-15...+ 55
Enclosure	IP	40

Torque/Transmission Ratio/Life graph



Transmission Ratios

For Transmission Ratios refer to page no. 6

Dimensional Drawing

