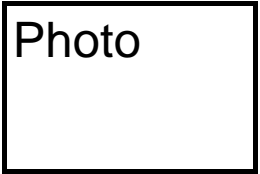


# Design Release

## Gear series GB X

### Spur Reduction Gearhead -300 Kg-cm



#### Design

Gearhead GB X contains heavily loaded steel gear wheels. The spur gears are fixed on steel spindles which are hardened and polished to a mirror finish & rotate in sintered bushings. The thick output shaft rotates in robust bronze bushings. All the gears are housed in between metal plates & closed by plastic dust cover. All bearings are permanently lubricated and therefore require no maintenance. GB X can also be combined with small to medium sizes of DC motors (up to  $\phi 52\text{mm}$ ). Output shaft can also be emerging from the rear side or both sides. Potentiometer can be mounted on to the gearhead & connected to the output shaft by means of a suitable gear ratio. Instead of rotational, linear drive also possible (on demand only).

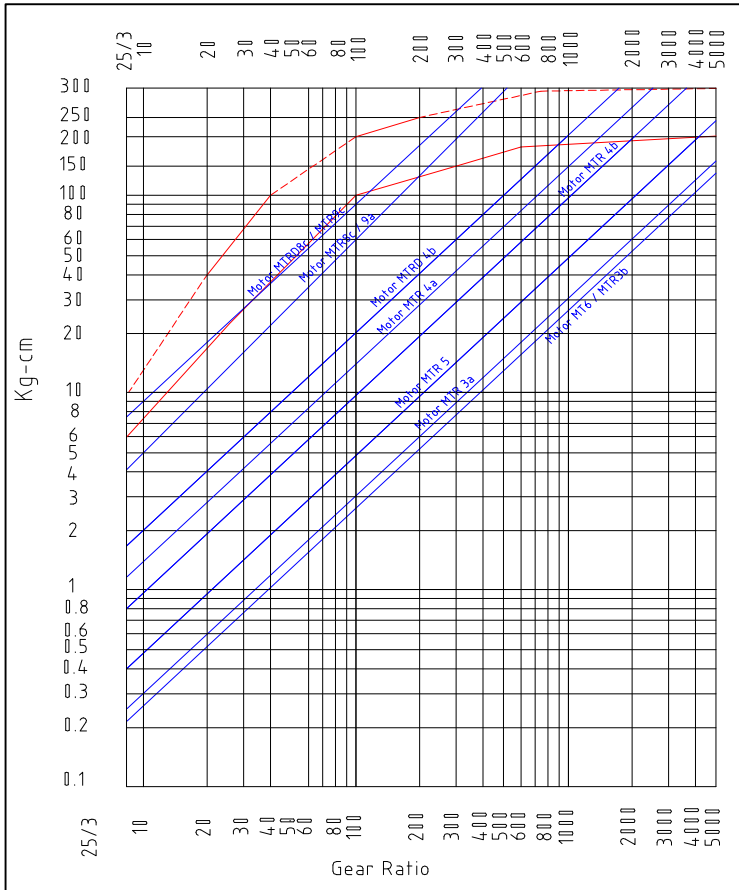
#### Standard data

Gear torque	kg-cm	300
Combination with Mechtex motors		MT0, MT6, MTR/S5, MTR/S-4a/b, MTR/SD-4, MTR/SD4-RE & DC motors (U MTR/SD 7a, MTR/S 8c, MTR/S D8c, MTR9a,b,c,d
Mounting		any position
Weight	gms	1200
Axial thrust	kg	60
Radial torque	kg	90
Lateral torque	kg-cm	120
Output Bearing		Bronze
Ambient temperature operation	°C	-15 ... +55
Output shafts		dia. 15 x 20 mm (with a flat); others on request

#### Transmission ratios

25/3, 10, 15, 50/3, 20, 25, 30, 100/3, 75/2, 40, 125/3, 50, 60, 200/3, 75, 250/3, 100, 120, 125, 400/3, 150, 500/3, 180, 375/2, 200, 225, 250, 300, 1000/3, 375, 450, 500, 600, 750, 2500/3, 900, 1000, 1200, 1500, 2000, 2500  
Transmission ratios > 2500 in combination with GB5P gear head

#### Torque/ Transmission Ratios/ Life Graph



#### Dimensional Drawing

