



# Gear Series **GB8**

## Spur Reduction Gearhead - 50 Kg-cm



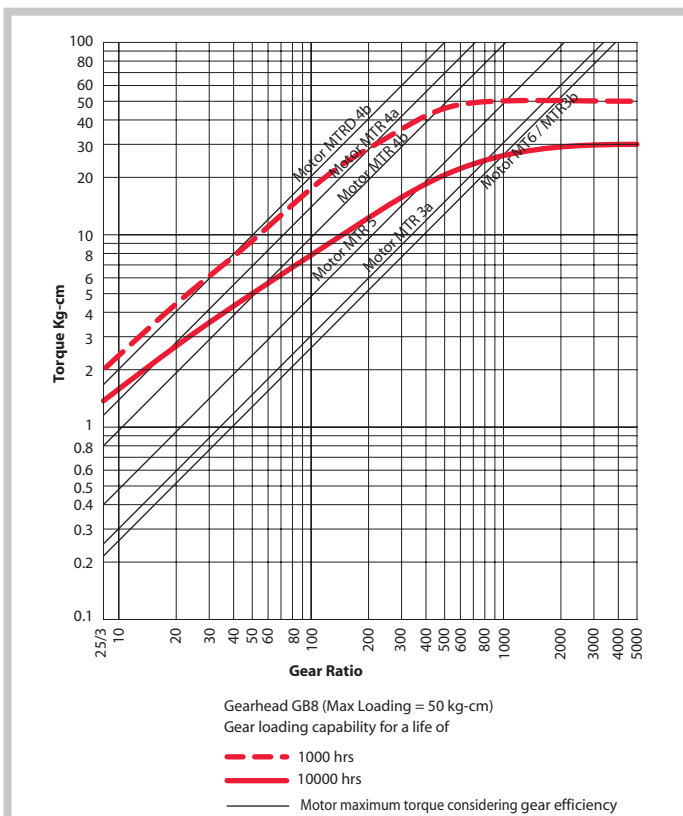
### Design

Gearhead GB8 Contains heavily loaded steel gear wheels. The spur gears rotate on fixed steel spindles which are hardened and polished to a mirror finish. The thick output shaft rotates in robust sintered bushings. It can be mounted on a ball bearing which can be provided in the output bush of the gear box. All the gears housed between two metal plates with a plastic frame. All bearings are permanently lubricated and therefore require no maintenance. Economical versions with poly-acetal or sintered gears available. This gear box can also be combined with small to medium sizes of DC motors.

### Standard Data

Gear Torque	kg-cm	50
Combination with Mechtex motors		MT0, MT6, MTR/S3a/3b, MTR/S-5, MTR/S4a/4b and small DC motors / (upto Ø40)
Mounting		any position
Weight	gm	200
Axial thrust	kg	10
Radial torque	kg	40
Lateral torque	kg-cm	40
Slipping clutches/free wheel		available for certain ratios
Output bearing		Sintered Bronze
Output shafts	Ø	dia. 8 x 17 mm (with a flat), others on request
Ambient temperature operation	°C	-15...+55

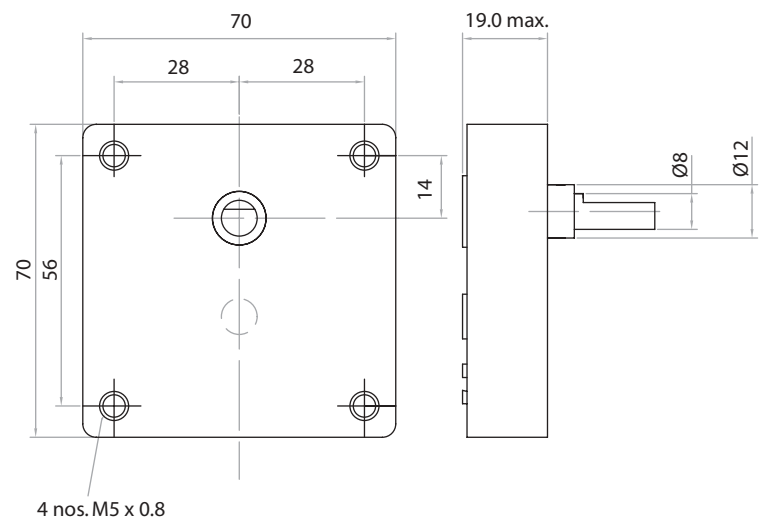
### Torque/Transmission ratio/life Graph



### Transmission ratios

For Transmission Ratios refer to page nos. 12 & 13.

### Dimensional Drawing

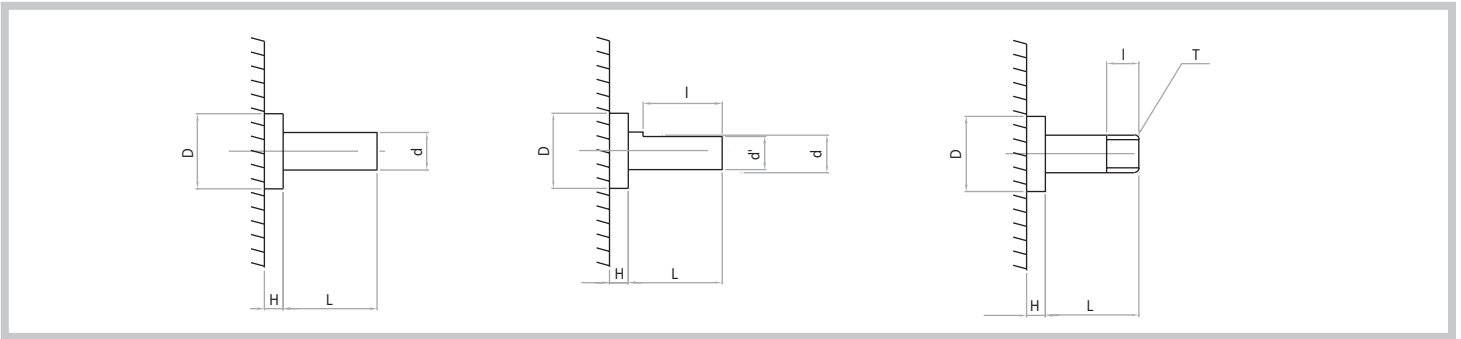




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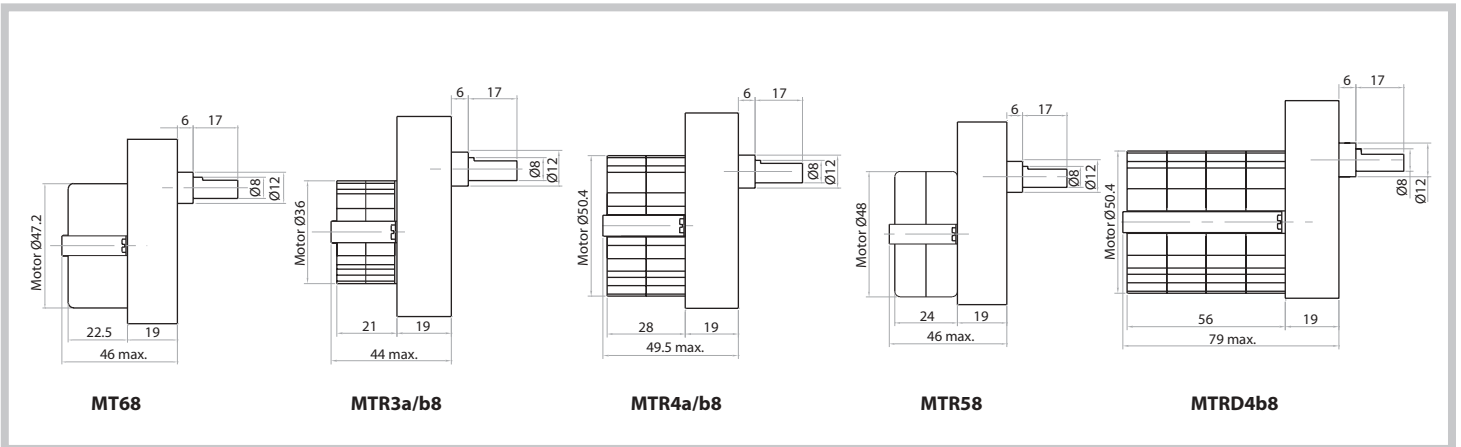
## Shaft Drawings



## Shaft Type Catalogue

Shaft type Catalogue	Shaft Diam.						
	D	H	d	L	l	d'	T
S	12	6	8	17	8	6	
A	12	6	8	27	18	6	
B	12	6	6.5	17	8	5.5	
C	12	6	6.5	27	18	6	
D	12	6	6.5	17	8	5.5	
E	12	6	6.5	27	18	6	
F	12	6	8	18	10		M6x1

## Drawings



## Photographs

