Gear Series **GB4**

Spur Reduction Gearhead -10 Nm

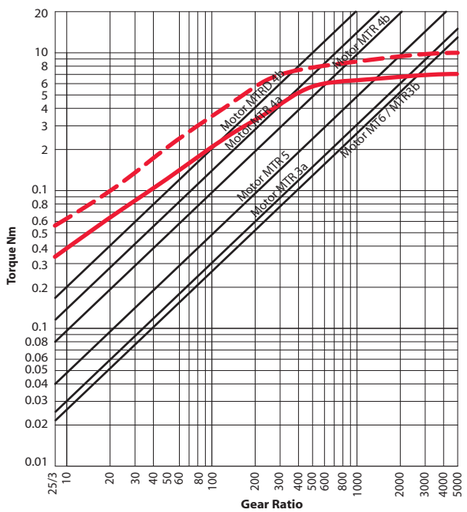
Design

Gearhead GB4 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 also be mounted on a ball bearing which can be provided in the output bush of the gear box. All the gears are housed between two metal plates with a plastic frame. All bearings are permanently lubricated and therefore require no maintenance. Econamical 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 Type		Spur Reduction
Gear Torque	Nm	10
Combination with Mechtex motors		MT0, MT6, MTR/S3a/3b, MTR/S-5, MTR/S 4a/4b/D4b and small DC motors / (upto 40)
Mounting		any position
Weight	g	350
Axial thrust	N	100
Lateral force	N	800
Radial torque	Nm	8
Slipping clutches/free wheel		available for certain ratios
Output bearing		Sintered Bronze, Ball Bearing (on request)
Output shafts	Ø	dia. 8 x 18 mm (with a flat), others on request
Ambient temperature operation	°C	-15...+ 55
Enclosure	IP	30

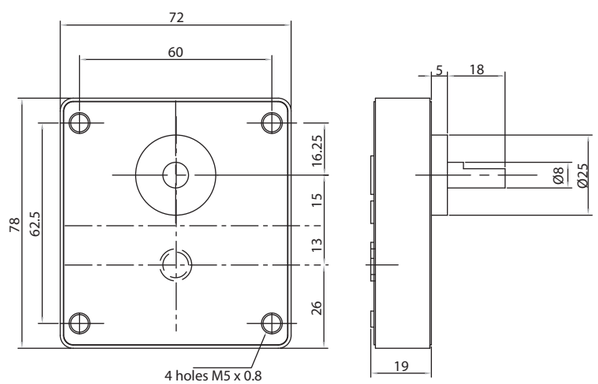
Torque/Transmission Ratio/Life Graph



Transmission ratios

For Transmission Ratios refer to page nos. 6 & 7.

Dimensional Drawing



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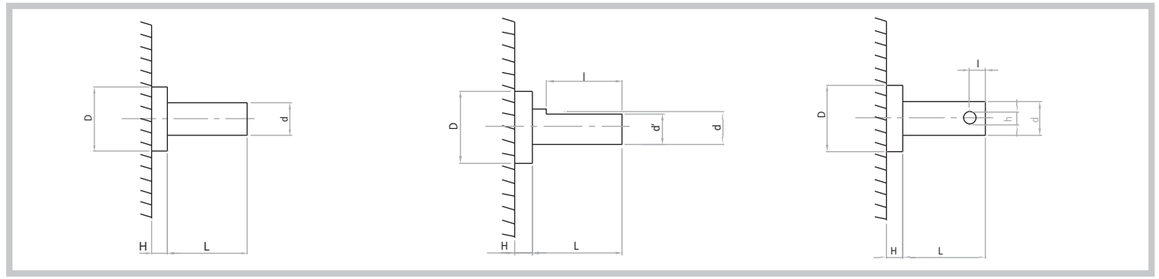
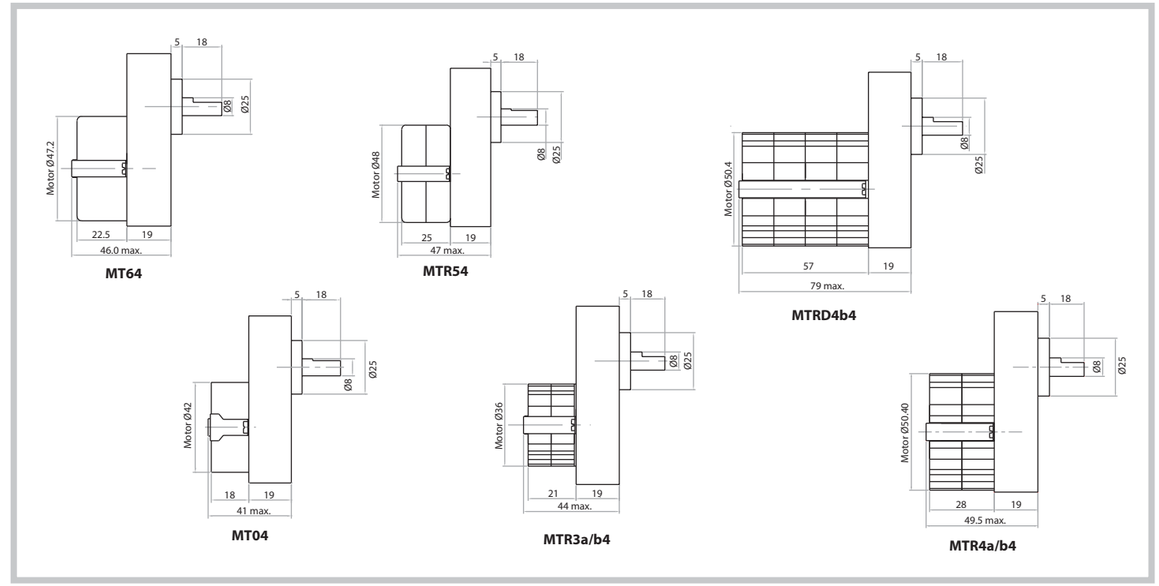
Shaft Drawings



Shaft Type Catalogue

Shaft type	D	H	d(dia)	L	I	d'	h
S	25	5	8	16	8	6	
A	25	5	8	26	18	6	
C	25	5	8	17	9		3

Drawings



Photographs