



Gear Series GB4

Spur Reduction Gearhead - 100 Kg-cm



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. Economical versions with poly-acetal or sintered gears available.

This gear box can also be combined with small to medium sizes of DC motors.

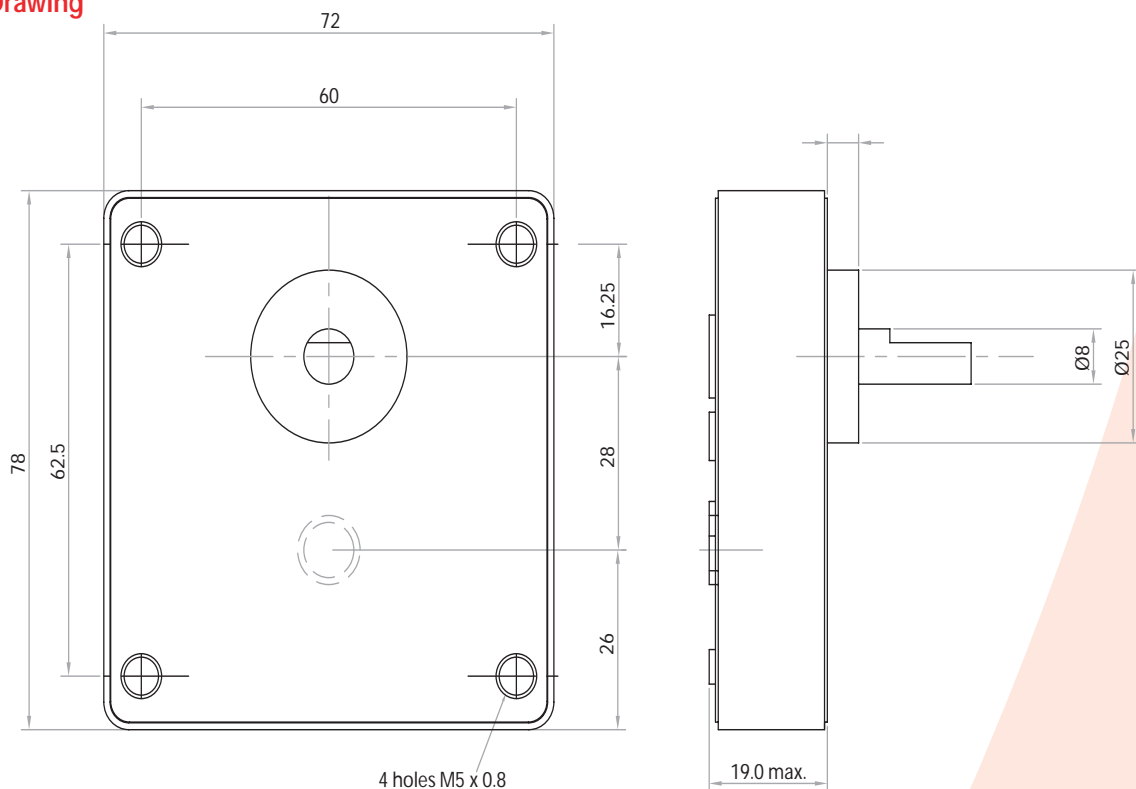
Standard Data

Gear Torque	kg-cm	100 (Gear Torque can be increased to 200 kg-cm on request)
Combination with Mechtex motors		MT0, MT6, MTR/S3a/3b, MTR/S-5, MTR/S4a/4b and small DC motors
Mounting		any position
Weight	gm	350
Axial thrust	kg	10
Radial torque	kg	80
Lateral torque	kg-cm	80
Output bearing		Sintered Bronze; Ball Bearing on request
Output shafts		dia. 8 x 18 mm (with a flat); others on request
Ambient temperature operation	°C	-15 ... +55

Transmission ratios

25/3	10	25/2	50/3	20	25	30	100/3	40	125/3	50	125/2	200/3	250/3	100	120	125
200	250	300	500	other ratios available on request					/	higher ratios in combination with gearbox series GB5P						

Dimensional Drawing

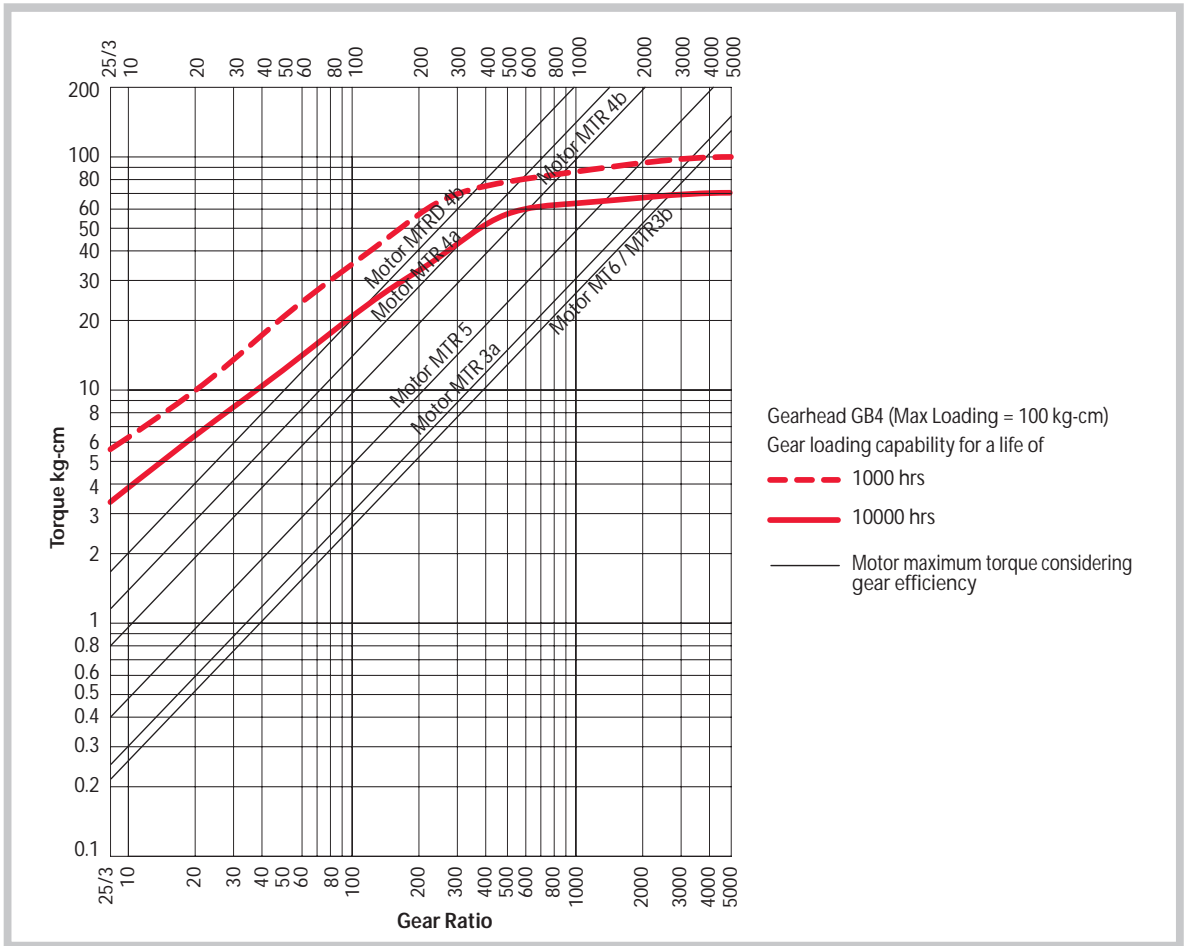




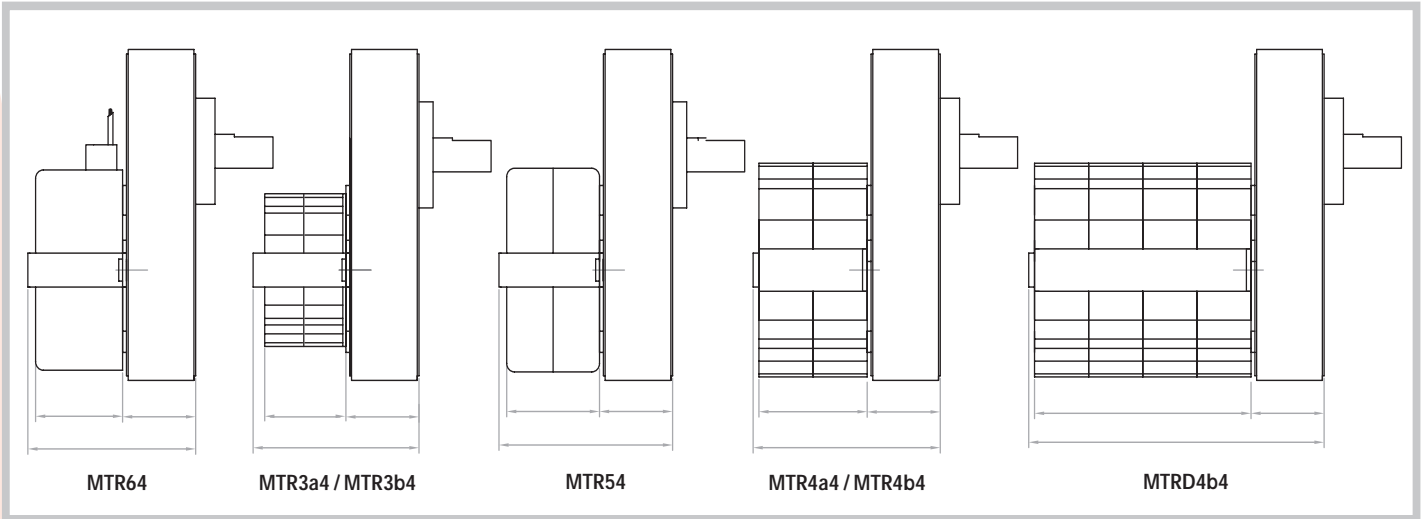
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Torque/Transmission ratio/life Graph



Drawings



Photographs

