



Gear Series **GBW**

Spur Reduction Gearhead - 150 Kg-cm



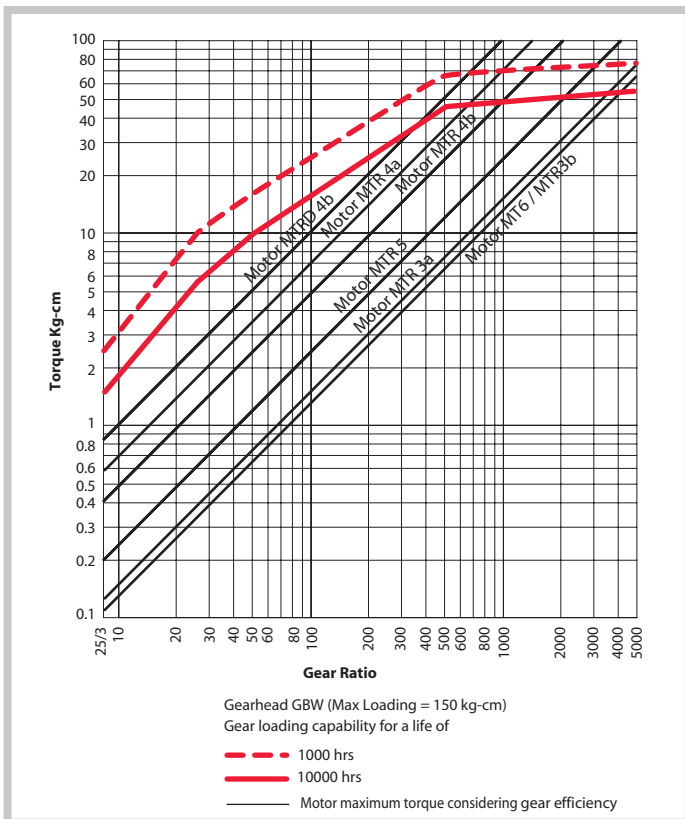
Design

Gearhead GB W 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 sintered 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 W can also be combined with small to medium sizes of DC motors (up to Ø52mm). 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 gear ratio (standard = 1.5:1; others possible). Instead of rotational, linear drive also possible (on demand only). Linear versions with 1mm & 1.25mm pitch available.

Standard Data

Gear Torque	kg-cm	150
Combination with Mechtex motors		MT0,MT6,MTR/S5,MTR/S-4a/b,MTR/SD-4a/b, MTR9a/b/c/d, MTR/S-7a and DC motors / (upto Ø52)
Mounting		any position
Weight	gm	550
Axial thrust	kg	40
Radial torque	kg	60
Lateral torque	kg-cm	60
Output bearing		Sintered Bronze
Output shafts	Ø	dia. 12 x 17 mm (with a flat), others on request
Ambient temperature operation	°C	-15...+55

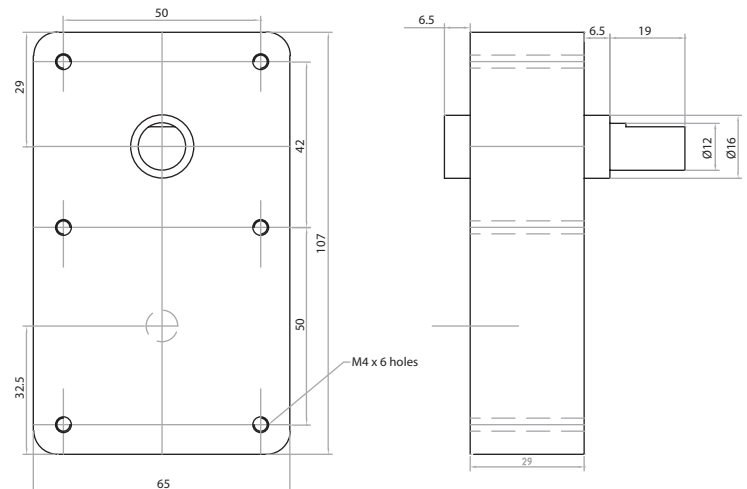
Torque/Transmission ratio/life Graph



Transmission ratios

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

Dimensional Drawing

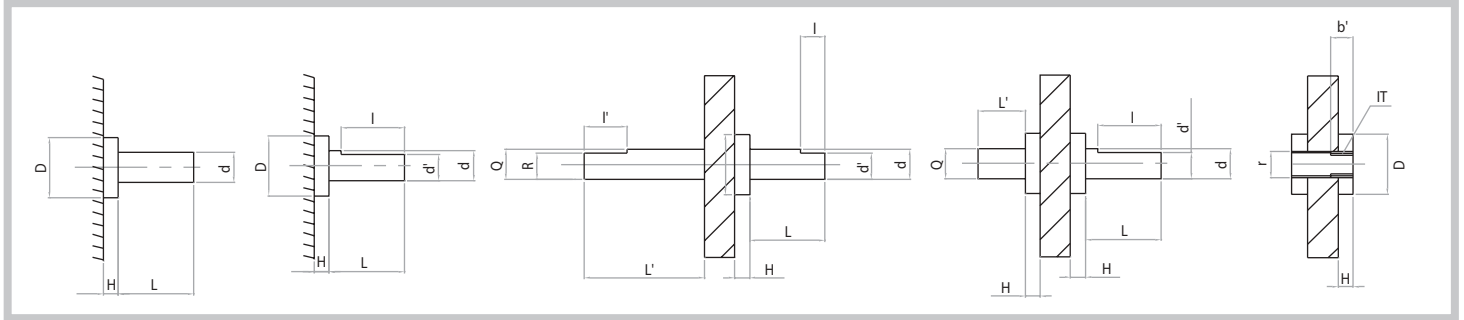




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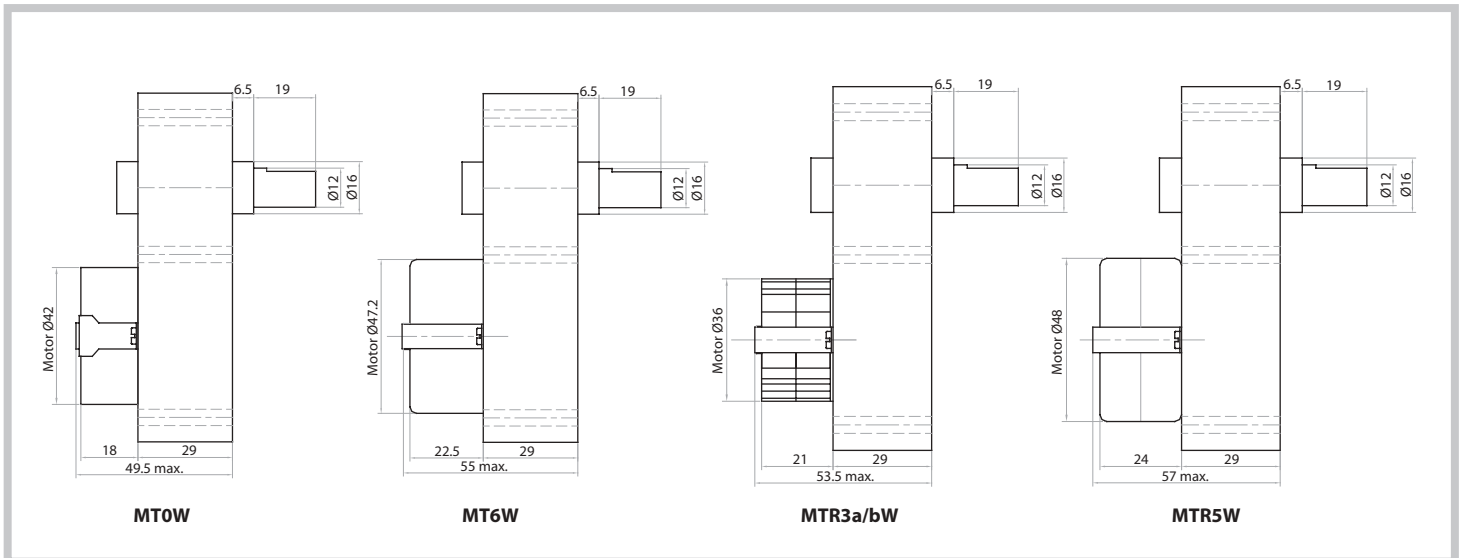
Shaft Drawings



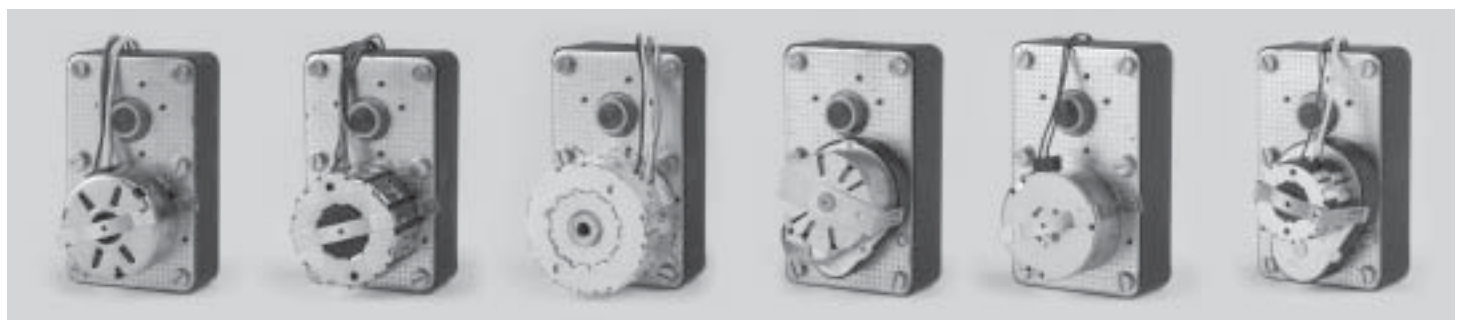
Shaft Type Catalogue

Shaft type Catalogue	D	H	d	Shaft Diam. L	I	d'	L'	Q	IT	r	b'
S	16	6	12	19	15	11					
A	16	6	12	29	25	11					
B	16	6	12	22	15	11	17	12			
C	16	6	12	19							
D	16	6	12	29							
E	16	6							M6x1	6.2	12
F	16	6							M8x1.25	6.2	12

Drawings

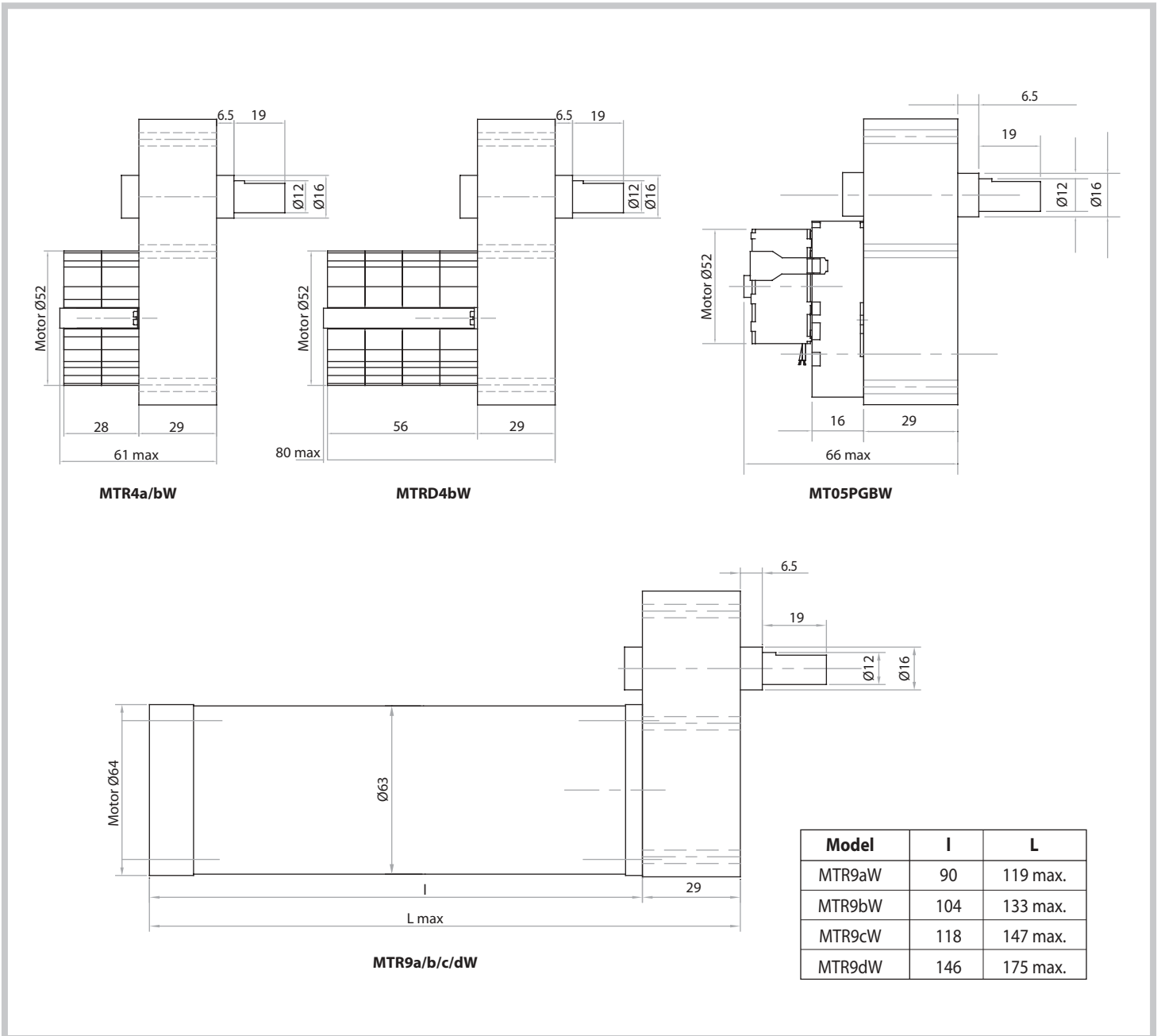


Photographs





Drawings



Photographs

