



Spur Reduction Gearheads -

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. 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.

Features

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Application

Timers, Chart Recorders, Potentiometer Drives, Light Displays, Hour Meters, Cam Timers, Programming Devices and Control Instrumentation.

Options

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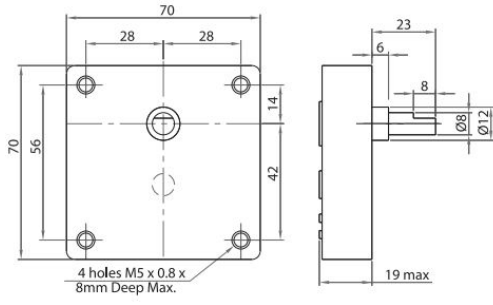
Standard Data

| Parameter | Value | Unit |
|---------------------------------|---|------|
| Gear type | Spur | |
| Gear Torque | 4 | Nm |
| Combination with Mechtex Motors | Motor MT0, MT6, MTR/S3a/3b, MTR/S-5, MTR/S4a/4b and small DC motors | |
| Mounting | any position | |
| Weight | 200 | g |
| Axial thrust | 100 | N |
| Lateral force | 250 | N |
| Radial torque | 3 | Nm |
| Slipping clutches/free wheel | available for certain ratios | |
| Output bearing | Sintered bronze sleeve bushings, (Ball bearing on request) | |
| Output shafts | dia. 8 x 23 mm (with a flat), others on request | Ø |
| Ambient temperature operation | -15...+ 55 | °C |
| Enclosure | 30 | IP |

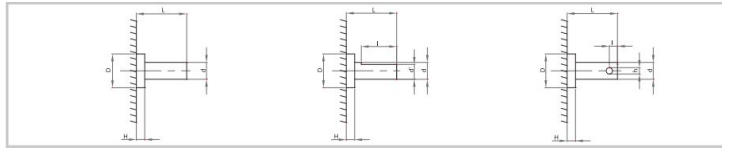
Technical Data

| Parameter | Value | Unit |
|-----------------|-------|------|
| Shaft type | OC | - |
| D (+0.00/-0.10) | 12 | |
| H | 6 | |
| d (dia) | 8 | |
| L | 23 | |
| l | 9 | |
| d | | |
| h | 3 | |

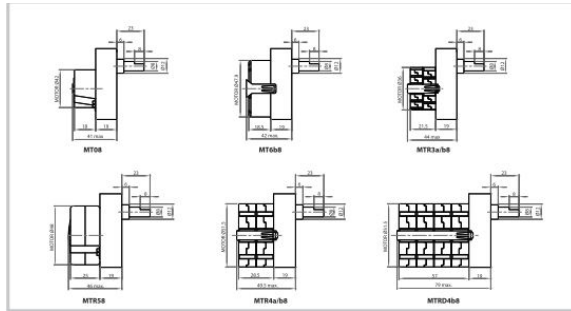
dimensional drawing



Shaft Drawings



Assembly Drawings



Life Graph

