



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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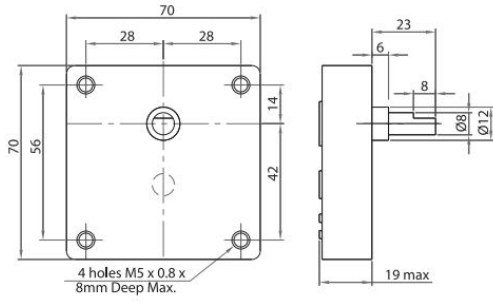
Standard Data

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

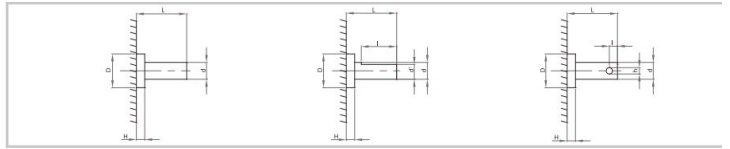
Technical Data

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

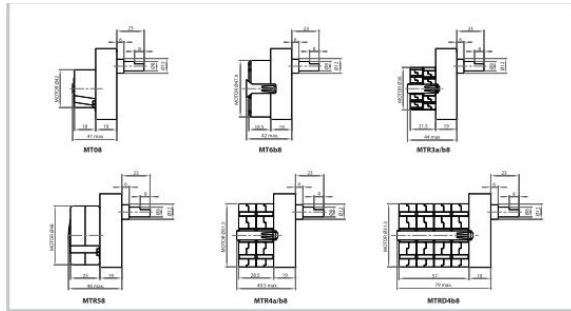
dimensional drawing



Shaft Drawings



Assembly Drawings



Life Graph

