

# Miniature Motorized Stage

## 8MT18-13

### FEATURES

- Small linear positionier for space saving applications

### SPECIFICATIONS

Model	8MT18-13
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#### Kinematics and Feedback Information

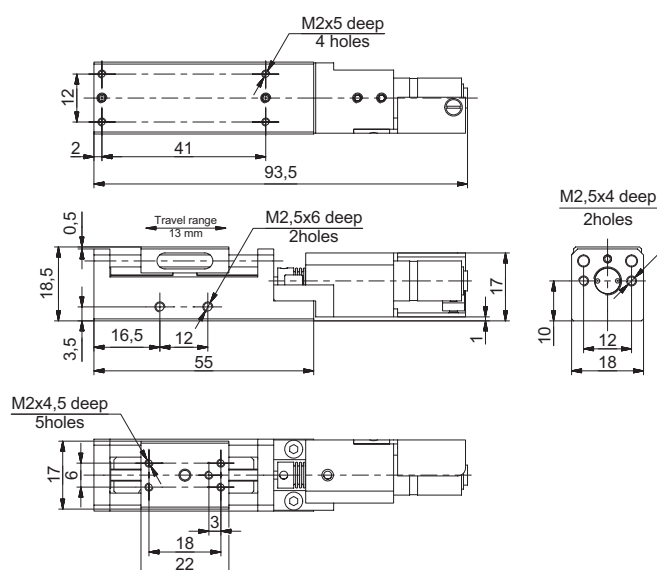
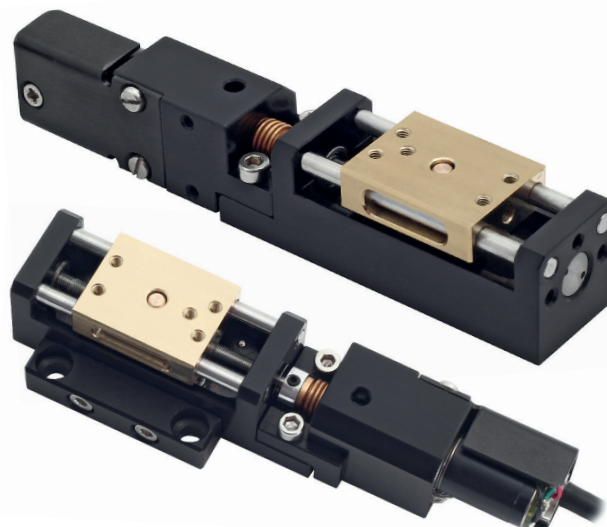
Travel range	13 mm
Resolution in full step	1 $\mu$ m
Resolution in 1/8 step	0.125 $\mu$ m
Encoder type	On request
Encoder resolution	On request
Bidirectional repeatability	On request
Unidirectional repeatability	On request
Absolute On-axis accuracy	On request
Pitch	On request
Yaw	On request
Roll	On request
Backlash	On request
Maximal speed	1 mm/s
Limit switches	Mechanical (2 pcs on borders)
Switch polarity	Pushed is closed

#### Load and Transmission Information

Lead screw pitch	0.35 mm
Horizontal load capacity	0.5 kg
Vertical load capacity	0.25 kg
Stepper motor	F10
Gearbox	16/1

#### Control and Communication

Recommended controllers	8SMC5-USB
Recommended power supply	PS12-1.5-4
Connector	HDB15(M)
Cable length	1.6 m



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#### Material and Environment Conditions

Base material	Aluminum
Finish	Black anodizing
Environment pressure	Atmosphere ( $10^{-3}$ torr on request)

#### Additional Details

Moving platform dimensions	22x17 mm
Measurement system	Metric
Weight	0.15 kg
Related products	8MR174-11, 8MR151

MINIATURE MOTORIZED STAGE

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Manufacturer of Opto-Mechanical equipment for research, industry and education

**Standa Ltd.**  
P.O.Box 377  
LT 03012 Vilnius  
LITHUANIA  
Phone: +370-5-2651474  
Fax: +370-5-2651483  
E-mail: sales@standa.LT

