

Save Engineering Time!

new

MiniSlide[™] motorized with Hybrid Stepper Actuator

small size, big power

Exceedingly configurable, simple to integrate MiniSlide[™] assembly is ideally suited for small lab and automation equipment. Compact, low profile Super efficient motor Small step resolution with 1.8° step angle

High power density and force

Encoder or encoder-ready options

| MiniSlide Load Specifications | | | | | |
|-------------------------------|---------------------|--|--|--|--|
| Design Payload (mass) | 2.3kg [5 lbs] | | | | |
| Axial Force | 45N [10 lbf] | | | | |
| Roll Moment* | 1.13N-m [10 lbf-in] | | | | |
| Pitch Moment* | 1.13N-m [10 lbf-in] | | | | |
| Yaw Moment* | 0.56N-m [5 lbf-in] | | | | |
| Repeatability | +/-25µm [0.001 in] | | | | |

* Moment data based on 0.5° deflection



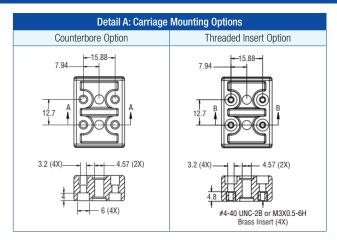
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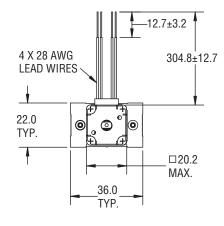
| Size 8 Hybrid Step | per Linear Actuator | : 21 mm (0.8-in) (1 | .8° Step Angle | |
|-----------------------|-----------------------------|----------------------------|----------------|--|
| Wiring | Bipolar | | | |
| Winding Voltage | 2.5 VDC | 5 VDC | 7.5 VDC | |
| Current (RMS)/phase | .49 A | .24 A | .16 A | |
| Resistance/phase | 5.1 Ω | 20.4 Ω | 45.9 Ω | |
| Inductance/phase | 1.5 mH | 5.0 mH | 11.7 mH | |
| Power Consumption | 2.45 W | | | |
| Rotor Inertia | 1.4 gcm ² | | | |
| Insulation Class | Class B (Class F available) | | | |
| Weight | 1.5 oz (43 g) | | | |
| Insulation Resistance | 20 MΩ | | | |

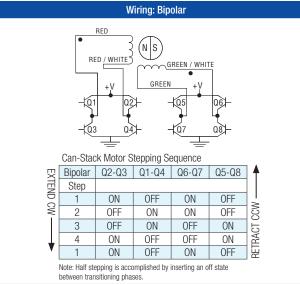
MiniSlide is also available with 20mm Can-Stack Motor.

Hybrid Stepper Actuator MiniSlide

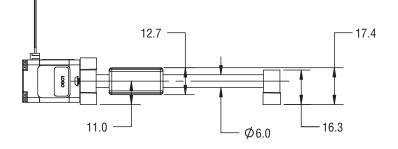


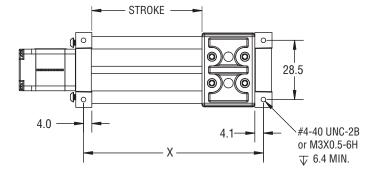






28.2 MAX. See Detail 'A'





| Dimensions | | | | | | | | | |
|------------|-----------------|--------------------|--|--|--|--|--|--|--|
| Stroke | Rail Length "L" | Mounting Holes "X" | | | | | | | |
| 25 mm | 69.4 mm | 61.5 mm | | | | | | | |
| 50 mm | 94.4 mm | 86.5 mm | | | | | | | |
| 75 mm | 119.4 mm | 111.5 mm | | | | | | | |
| 100 mm | 144.4 mm | 136.5 mm | | | | | | | |

| Ordering Part Numbers for MiniSlide [™] motorized with Size 8 Hybrid Stepper Actuator | | | | | | | | |
|--|----------------------------|---------|---|---|---|--|----|--|
| MSA | 02 | К | — | Н | 0 | 020 |]— | XXX |
| Prefix | Frame Size | Coating | | Motor | Nominal Thr | ead Lead Code | _ | Suffix |
| MSA = Mini Slide Actuator | 02 = 1/8" Screws | | | H = Size 8 Hybrid Stepper Linear Actuator | 0020 = 1/2mm lead 0039 = 1mm lead 0079 = 2mm lead 0157 = 4mm lead 0315 = 8mm lead | 0012 = 0.012" lead 0024 = 0.024" lead 0048 = 0.048" lead 0096 = 0.096" lead | | 805 = 50mm stroke M3 mounting 810 = 100mm stroke M3 mounting 905 = 50mm stroke #4-40 mounting 910 = 100mm stroke #4-40 mounting XXX = Unique Identifier* |

NOTE: Dashes must be included in the Part Number (-) as shown above. For assistance call our Engineering Team at 203 756 7441. * Unique Identifier can be used to indicate additional options and/or product modifications.

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