

X-ASR Series Datasheet



- 50 mm up to 305 mm travel per axis
- Up to 12 μm accuracy; 2 μm repeatability; 85 mm/s speed
- Easily adjustable non-contact hall sensor limit switches
- Supported by $\mu\text{Manager}$ and MetaMorph® Microscopy Automation & Image Analysis Software
- Built-in controller allows connection with a single power/data cable and daisy chaining with other Zaber products
- One digital input and two digital outputs
- Custom versions available

X-ASR Series Overview

Zaber's X-ASR Series microscope stages are designed as replacements for manual stages on upright and inverted microscopes or for stand-alone operation as scanning stages. Compact, built-in controllers save bench space and allow the stages to be powered and controlled through a single, flex rated cable.

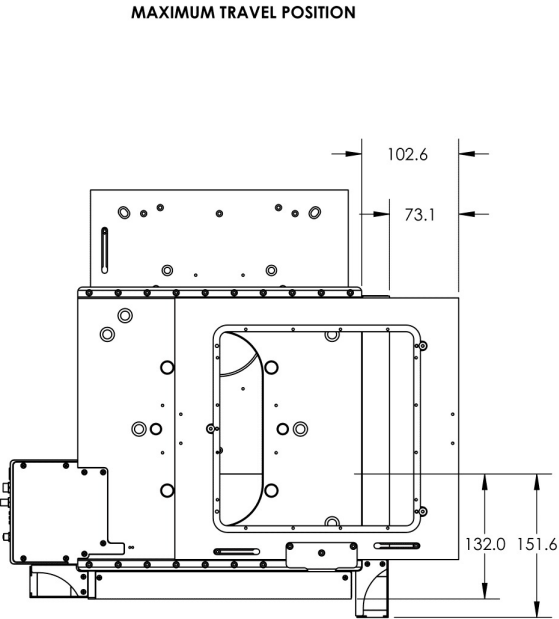
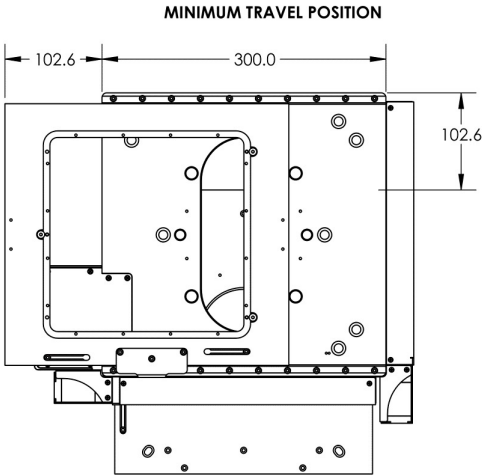
X-ASR devices also include a digital input and two digital outputs for interfacing with external systems. An event-driven trigger system allows devices to be programmed for stand-alone operation based on I/O, time, or movement stimuli.

Mounting adaptors are available for breadboards and most common microscopes. Custom adaptors

and plates are available upon request.

X-ASR Series Drawings

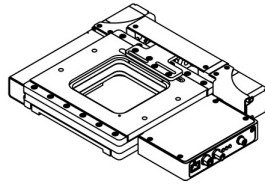
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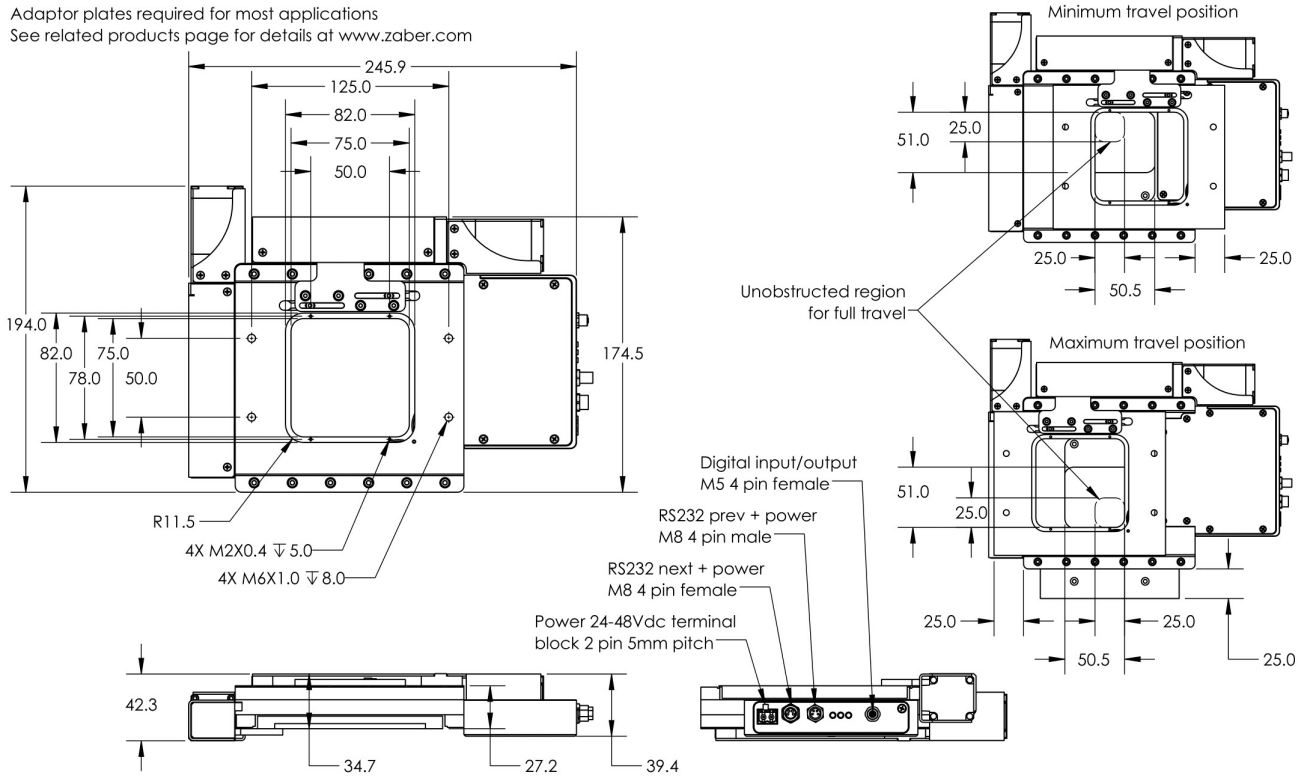
DWG 3526 R01

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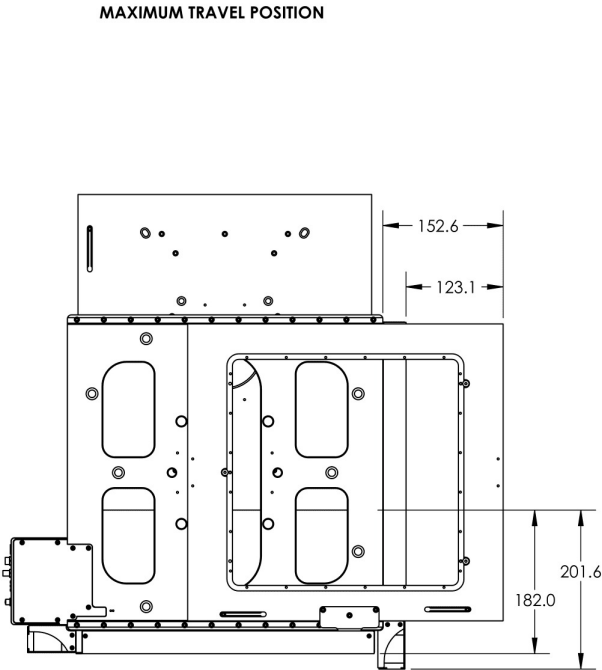
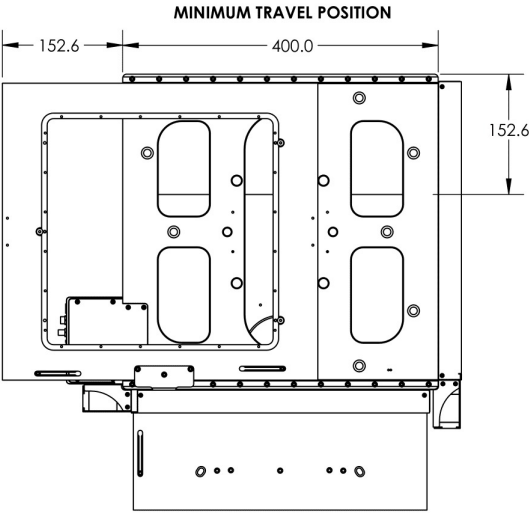
X-ASR050B050B-SD12 Motorized XY Microscope Stage
 dimensions in mm



Adaptor plates required for most applications
 See related products page for details at www.zaber.com

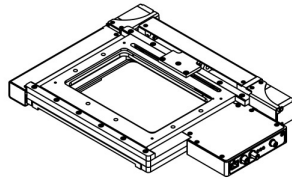


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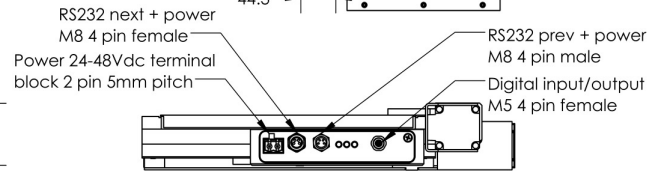
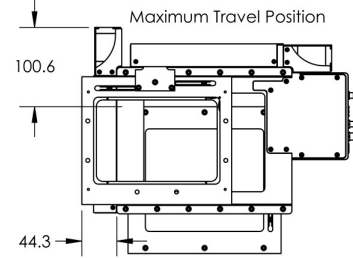
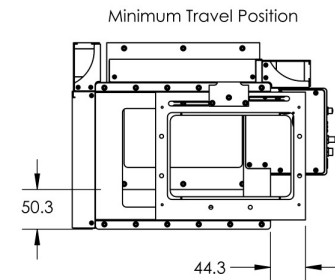
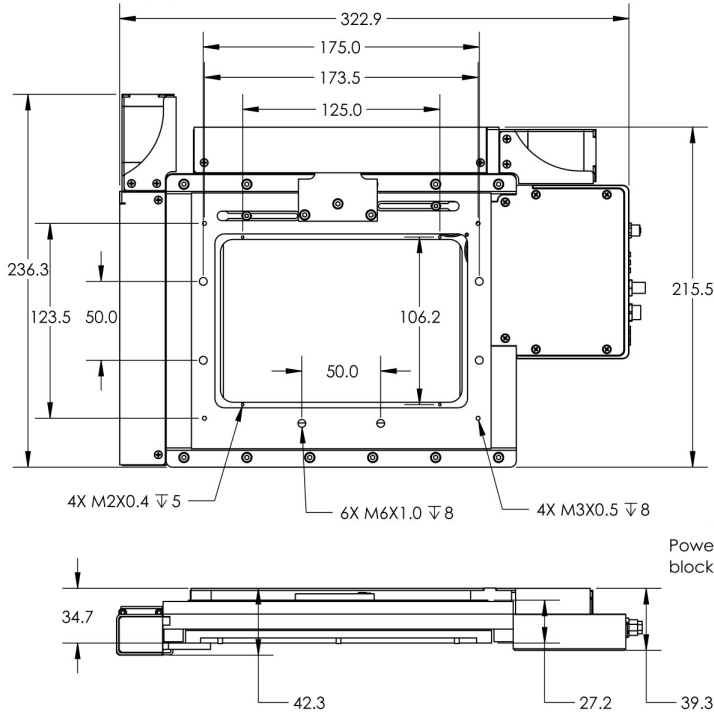


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X-ASR1008120B-SD12 Motorized XY Microscope Stage
dimensions in mm



Adaptor plates required for mounting in most applications.
See accessories page for details at www.zaber.com.

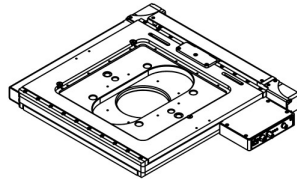


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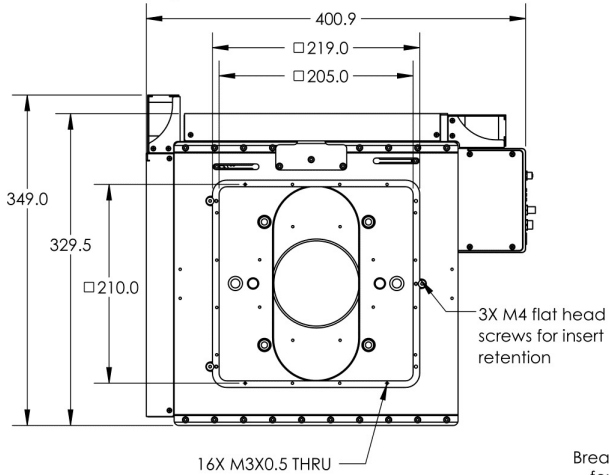
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X-ASR2058205B-SD12

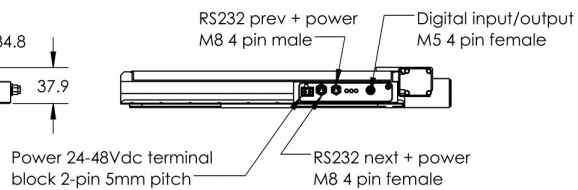
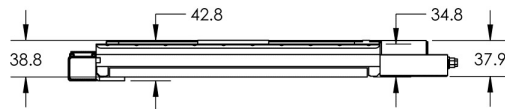
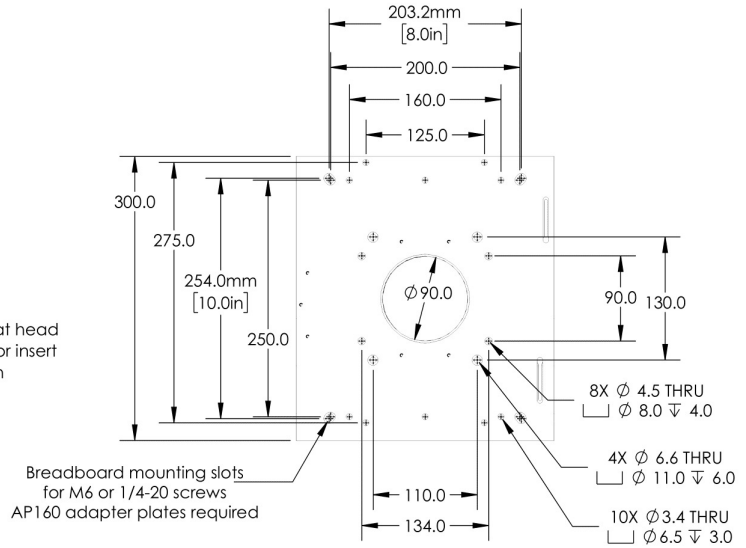
Motorized XY Microscope Stage
dimensions in mm



Adaptor plates required for breadboard mounting.
See accessories page for details at www.zaber.com



Base-plate mounting features

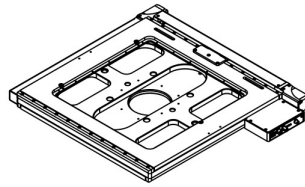


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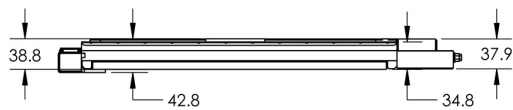
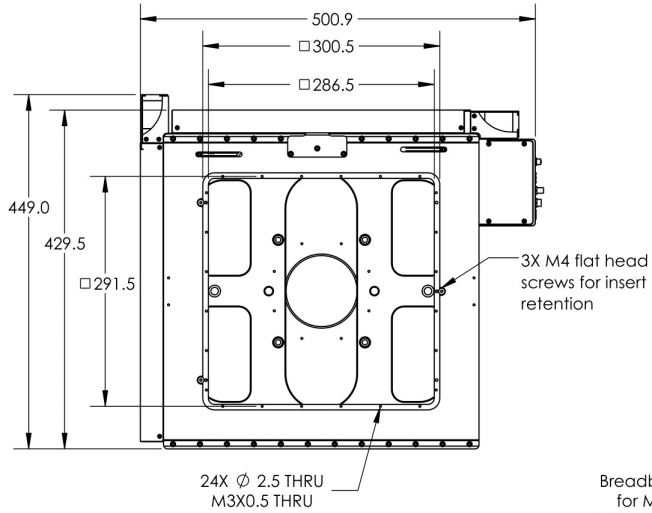
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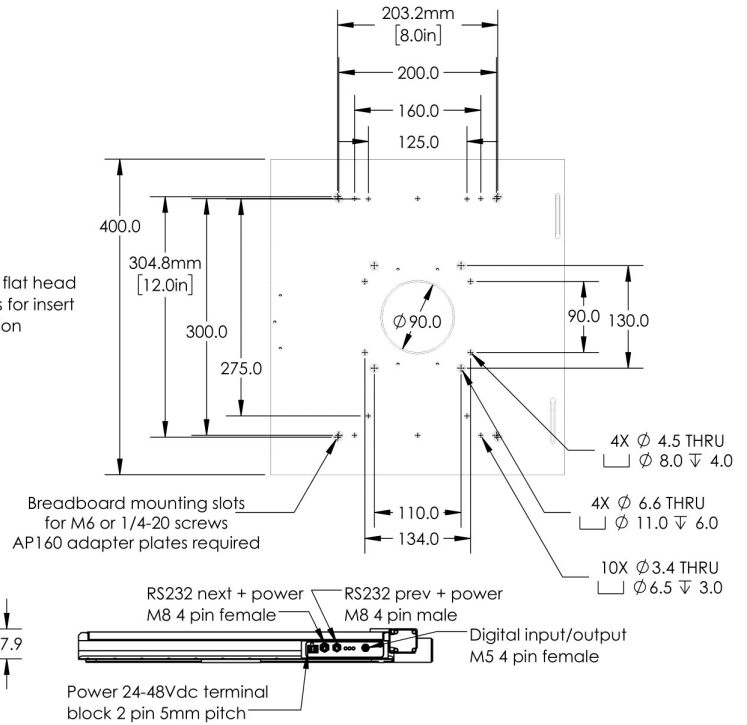
Motorized XY Microscope Stage
dimensions in mm



Adaptor plates required for breadboard mounting.
See accessories page for details at www.zaber.com



Base-plate mounting features

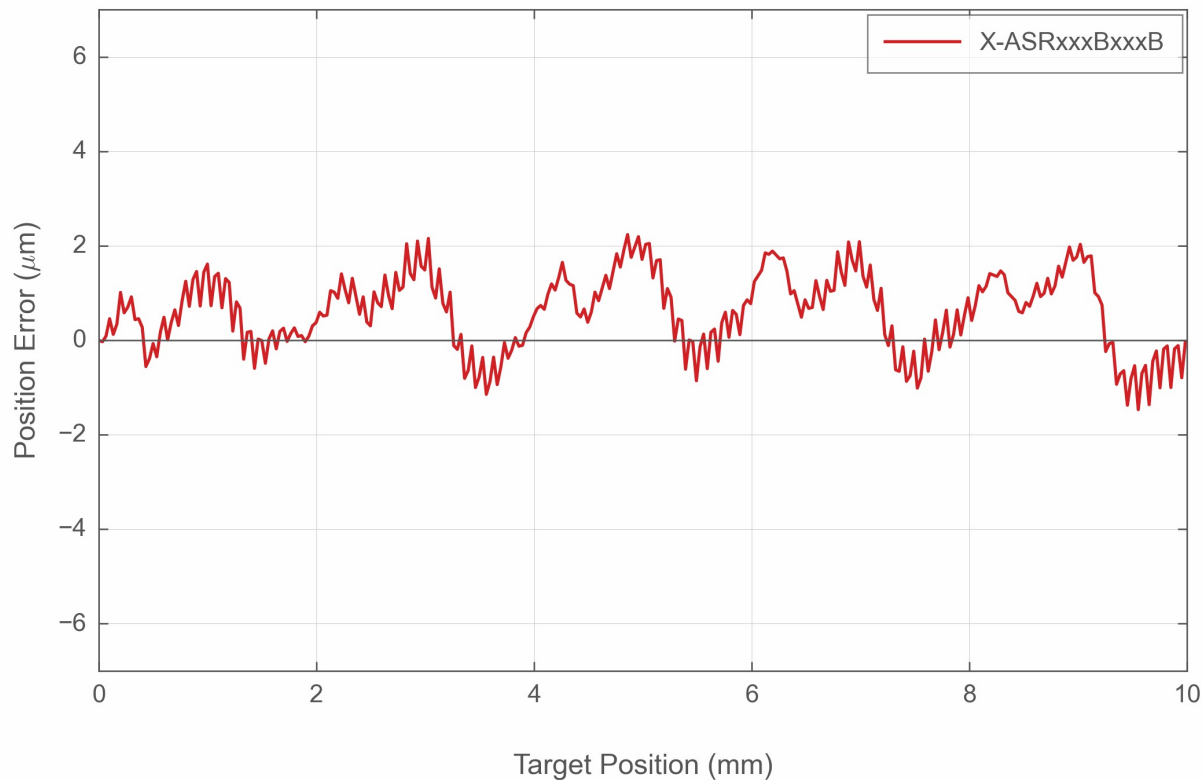


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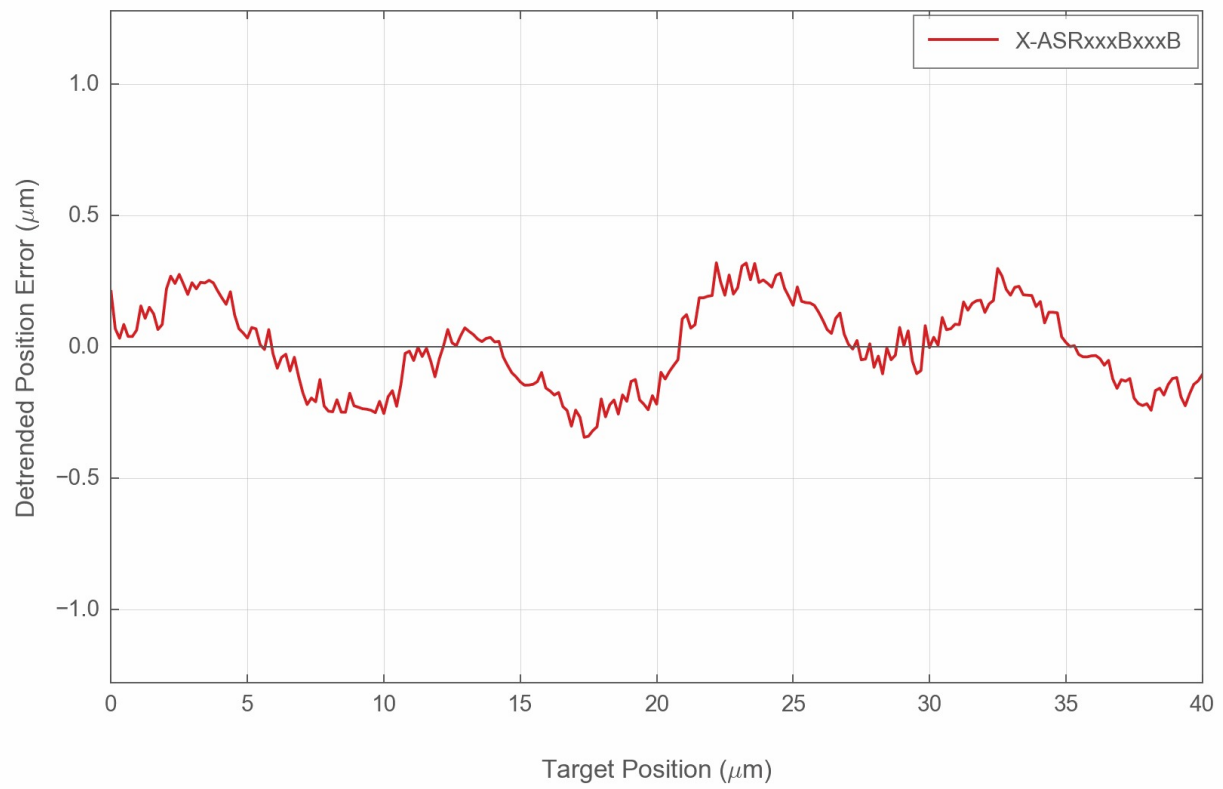
X-ASR Series Specifications

X-ASR Series Charts

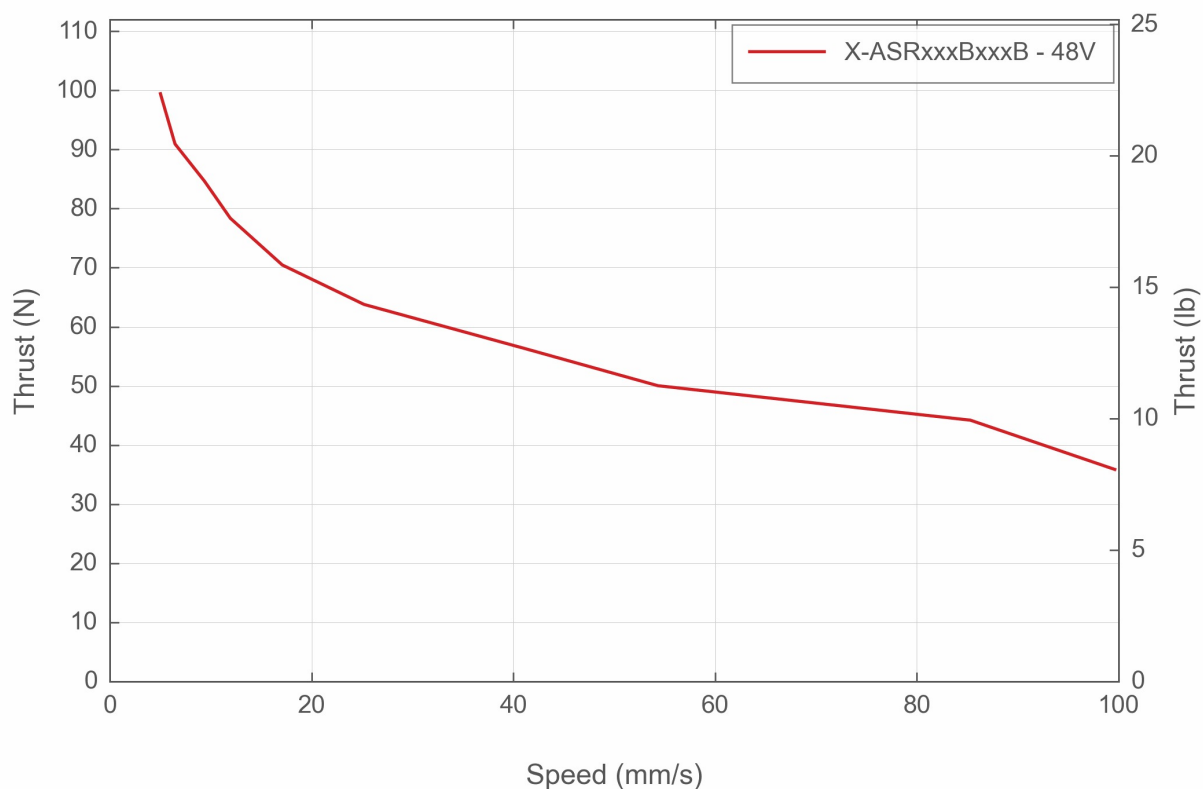
Typical Accuracy



Typical Microstepping Accuracy



Thrust Speed Performance



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