

## Description:

PA series products are designed as middle-size and middle-travel-range precise motorized stages. The base plates in this series employ high-rigidity U-type structure to ensure this series could be suitable for the operations in the circumstances of heavy load, high rigidity and multi-dimension combinations. A stainless-steel dustproof cover is optional to protect all inner parts of stages from particles and dust in real operation environments, which could guarantee better stability, durability and the capability to keep a long-term accuracy.

PA series products employ precise-grade ball screws, linear-slider guides and high-performance Shaft coupling units. This kind of design offers good adaptabilities for being used in accurate operation scenarios with relative complex environments.

## Main characteristics:

- Fine machining for U-type aluminum alloy base plates, which are treated as black anodic-oxidation. High rigidity and nice appearance.
- Precise-grade linear-slider guides are used to guarantee high load capability and high motion accuracy
- Stainless-steel dustproof covers are optional
- Two-phase stepping motors standard, servo motors optional

## Naming rules:

### PA 100-(ST242)(-C)(-SR)

Series code:  
PA: precise, ball screw, linear-slider guide and aluminum alloy

Travel range:  
050: 50mm  
100: 100mm  
150: 150mm  
200: 200mm  
300: 300mm  
400: 400mm

Type of motor:  
None (default): two-phase 57 stepping motor  
ST242: two-phase 42 stepping motor  
ASP1: Panasonic 100W AC servo motor  
ASY2: Yaskawa 200W AC servo motor  
P1: Installation plate and Shaft coupling of Panasonic 100W AC servo motor  
Y2: Installation plate and Shaft coupling of Yaskawa 200W AC servo motor

Position of sensors:  
None (default): Internal  
SL: External, left side  
SR: External, right side

Type of protection:  
None (default): No protection  
C: with protection

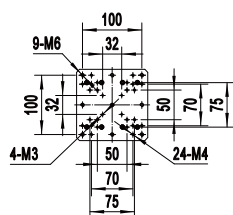
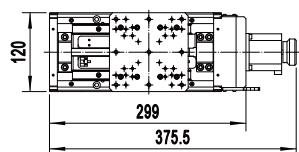
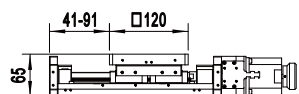
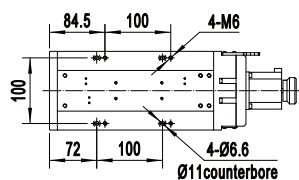
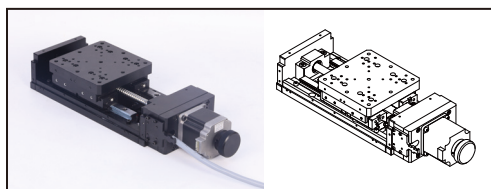
## Motorized Linear Stages

Tel: 010 56370168 [www.zolix.com.cn](http://www.zolix.com.cn)

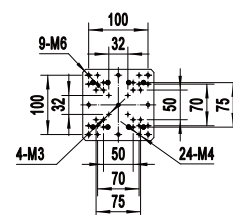
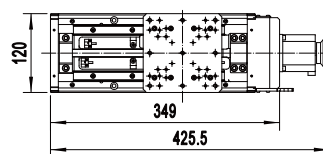
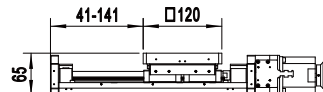
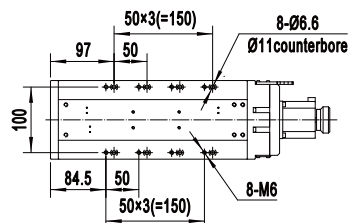
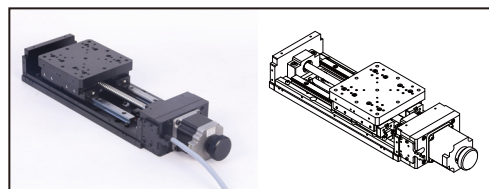
Highest speed is measured with the conditions of zero-load and motors being worked at 600rpm

### Dimensions:

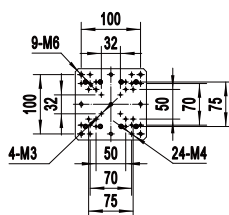
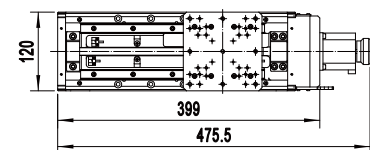
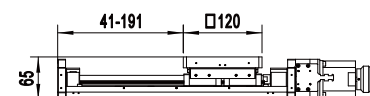
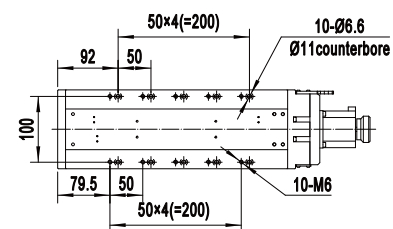
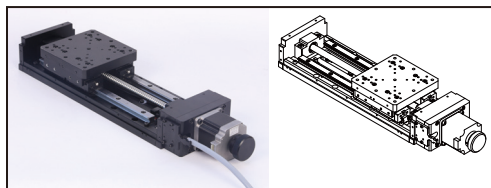
PA050



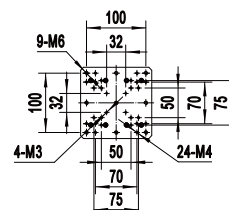
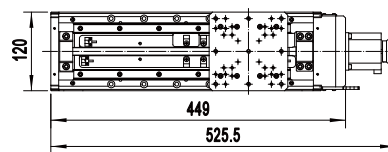
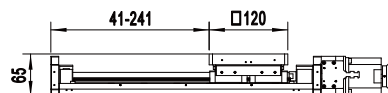
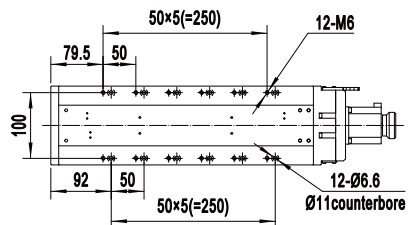
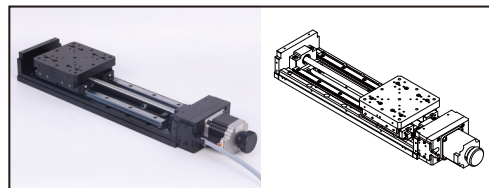
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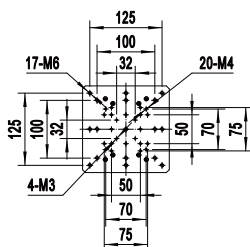
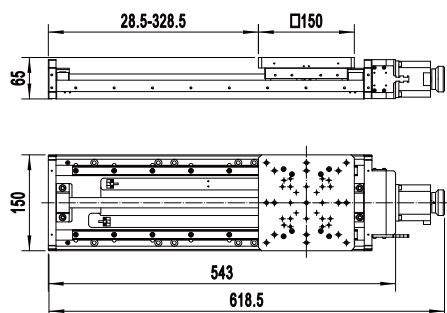
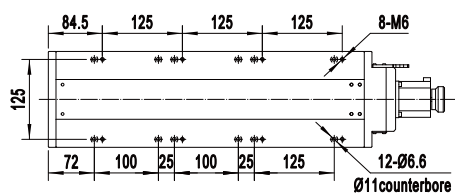
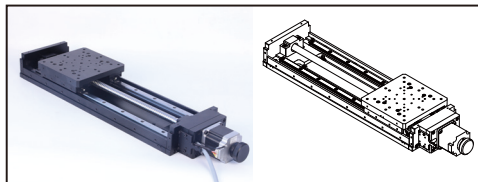
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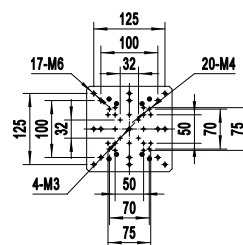
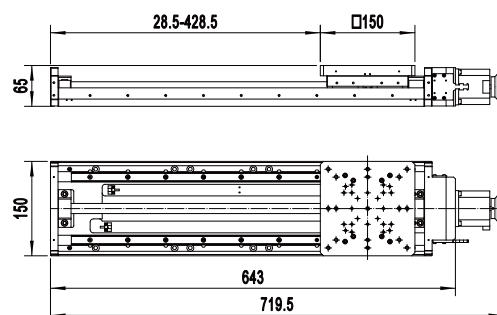
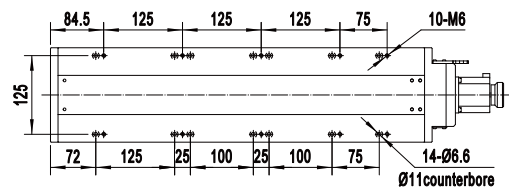
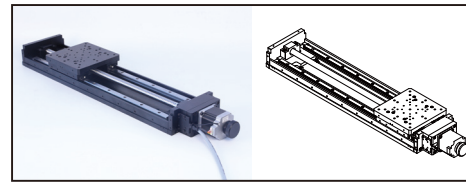
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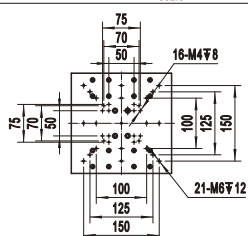
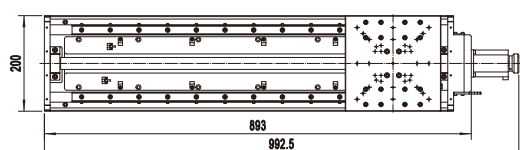
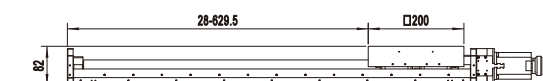
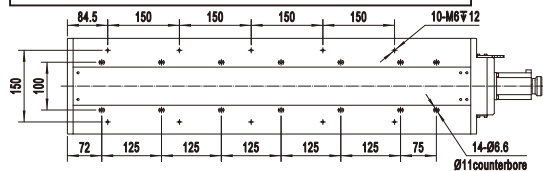
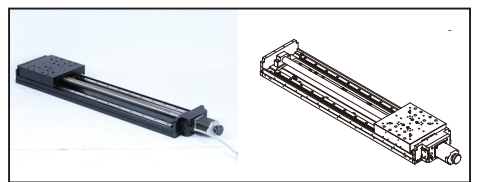
PA300



PA400



PA600



PA800

