

# Electric Displacement Stage ▶ X-Axis Cross Roller Guide



Please order according to the diagram

①~④ Select the type and parameters in the order for ordering.

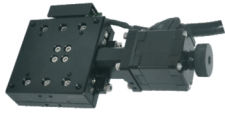
Model(①Code) — ② Specification — ③ Voltage Selection — ④ Cable Selection  
RCAOA — 4015 — A — 4



| Disco/Unit Price | Quantity | 1~9                | 10~ |
|------------------|----------|--------------------|-----|
| Price            | 100%     | Separate Quotation |     |

Price Excluding Tax (Yuan)

Electric Displacement Stage 41

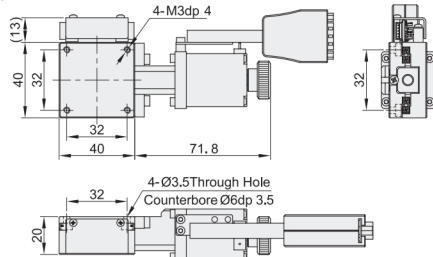


CAD 2D/3D

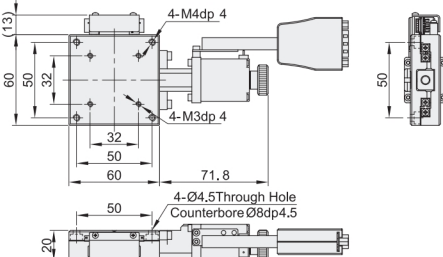
| Code  | Type               | Transmission Direction | Transmission Method | Material       | Surface Treatment |
|-------|--------------------|------------------------|---------------------|----------------|-------------------|
| RCAOA | Cross Roller Guide | X-Axis                 | Ball Screw          | Aluminum Alloy | Black Anodizing   |

① Lead: 1mm. For other leads, please consult separately.

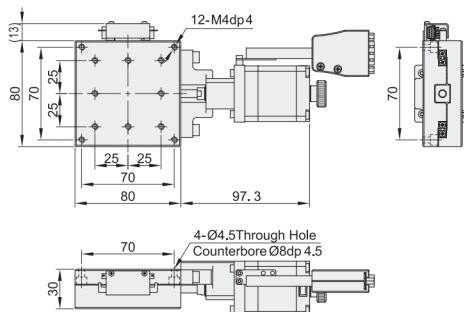
Specification : 4015



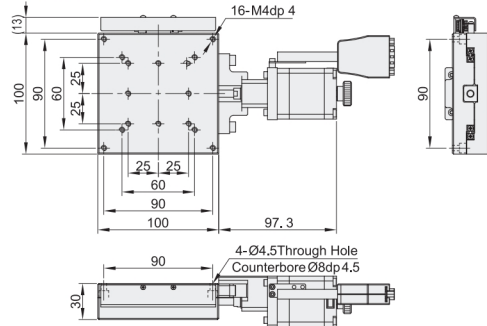
Specification : 6020



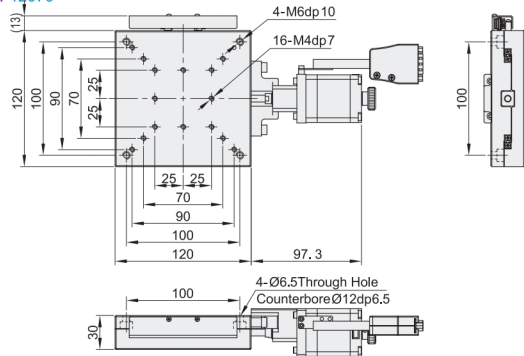
Specification : 8030



Specification : 10040



Specification : 12070



Driver Parameter Table

| Driver        | A(Fenghua Driver) | B(Mingzhi Driver) |
|---------------|-------------------|-------------------|
| Voltage       | DC12-40V          | DC12-48V          |
| Drive Current | 0.5-2.6A/phase    | 0.3-2.2A/phase    |
| Subdivision   | 16 Speed          | 16 Speed          |

| Model |               | Voltage Selection                            | Cable Selection       | Table Size (mm) | Stroke (mm) | Motor                   | Connector | Maximum Speed (mm/sec) | One-way Positioning Accuracy (mm) | Repeatability Positioning Accuracy (mm) | Reverse Clearance (mm) | Parallelism (mm) | Motion Parallelism (mm) | Load Capacity (kgf) | Weight (kg) |
|-------|---------------|----------------------------------------------|-----------------------|-----------------|-------------|-------------------------|-----------|------------------------|-----------------------------------|-----------------------------------------|------------------------|------------------|-------------------------|---------------------|-------------|
| Code  | Specification |                                              |                       |                 |             |                         |           |                        |                                   |                                         |                        |                  |                         |                     |             |
| RCAOA | 4015          | Unspecified(No Drive)                        | Unspecified(No Cable) | 40×40           | ±7.5        | Two-phase stepper motor | D-SUB-15P | 10                     | 0.01                              | ±0.001                                  | 0.005                  | 0.03             | 0.01                    | 6                   | 0.3         |
|       | 6020          | A(Fenghua Driver)                            | 2(2mLong Cable )      | 60×60           | ±10         |                         |           |                        |                                   |                                         |                        |                  |                         | 8                   | 0.5         |
|       | 8030          | B(Mingzhi Driver)                            | 4(4mLong Cable )      | 80×80           | ±15         |                         |           |                        |                                   |                                         |                        |                  |                         | 10                  | 0.8         |
|       | 10040         | ①Detailed Driver Parameters: See table below | ① Connector Type      | 100×100         | ±20         |                         |           |                        |                                   |                                         |                        |                  |                         | 14                  | 1.0         |
|       | 12070         |                                              | HRS-15P Connector     | 120×120         | ±35         |                         |           |                        |                                   |                                         |                        |                  |                         | 18                  | 1.2         |

① Sensors: Limit + Home, NPN open-circuit output.

② Grounding wire is required to avoid static interference.

③ The displacement stage operates with low-voltage signals. When routed alongside high-voltage cables, there may be signal interference. It is imperative to implement shielding measures.