

# **MB Series**

*MECAPION Belt Type Robots*



# MB Series





MECAPION Belt Type Robots

## Character

- With strong aluminum box type extrusion construction, light and strong
- Simple construction and easy application.
- High speed, high precision, compact design.
- By using AC servo motor, easy maintenance, high confidence, easy control.
- Various application for example semiconductor inspection M/C, Sealing, Screw, Moving etc automation facilities
- Anodizing coating made beautiful face and high rust protection.
- Reliable products checked by 3-Dimension measuring machine

## MB

MB 126 - B 20 - N 0500 - N - B

|   |  |  |   |  |  |   |  |
|---|--|--|---|--|--|---|--|
| ①   | ②  | ③  | ④   | ⑤  | ⑥  | ⑦   | ⑧  |
| <b>① Model Name</b><br><input type="text" value="MB"/> Mecapion Belt Type Robot | <b>② Body Size</b><br><input type="text" value="126"/> Body Width : 126mm<br><input type="text" value="160"/> Body Width : 160mm | <b>③ Motor Direction</b><br><input type="text" value="B"/> Motor - Up & Left<br><input type="text" value="C"/> Motor - Up & Right<br><input type="text" value="D"/> Motor - Down & Left<br><input type="text" value="E"/> Motor - Down & Right<br><input type="text" value="F"/> Motor - Rear & Left<br><input type="text" value="G"/> Motor - Rear & Right<br> | <b>④ Motor Capacity</b><br><input type="text" value="20"/> Motor : 200W , 3000rpm<br><input type="text" value="40"/> Motor : 400W , 3000rpm<br><input type="text" value="70"/> Motor : 750W , 3000rpm | <b>⑤ Slide Table Type</b><br><input type="text" value="N"/> Normal<br><input type="text" value="W"/> Wide<br> | <b>⑥ Stroke</b><br><input type="text" value="0500"/> Stroke : 500mm<br>-> Max 2000mm | <b>⑦ Sensor</b><br><input type="text" value="N"/> Inside Sensor<br><input type="text" value="E"/> Outside Sensor (Both)<br><input type="text" value="R"/> Outside Sensor (Right)<br><input type="text" value="L"/> Outside Sensor (Left)<br><input type="text" value="X"/> No Sensor<br>※ Applied Sensors<br>1) Inside Sensor  Lead Switch<br>2) Outside Sensor  Photo Sensor | <b>⑧ Color</b><br>※ Standard : White.<br><input type="text" value="No"/> White<br><input type="text" value="B"/> Black |

## Specifications

Registration of designs

| Model         |        | MB 126-B, C / D, E / F, G                                 | MB 160-B, C / D, E / F, G |
|---------------|--------|---|---------------------------|
| Base Width    | mm     | 126   | 160                       |
| Rated Output  | W      | 400   | 750                       |
| Payload       | kgf    | Horizontal : 50   | Horizontal : 50           |
| Max. Speed    | mm/sec | 2000  | 2000                      |
| Servo Motor   | AC (W) | 400W, 3000 rpm  | 750W, 3000 rpm            |
| Stroke        | mm     | 500 ~ 2000  | 500 ~ 2500                |
| Repeatability | mm     | ± 0.08  | ± 0.08                    |
| LM Guide      | -      | Two Way 15W, 2UU  | Two Way 20W, 2UU          |
| Drive Belt    | -      | GT Type, 25W  | GT Type, 25W              |
| Body          | -      | Aluminum Profile, White(Standard color) & Black Anodizing |                           |

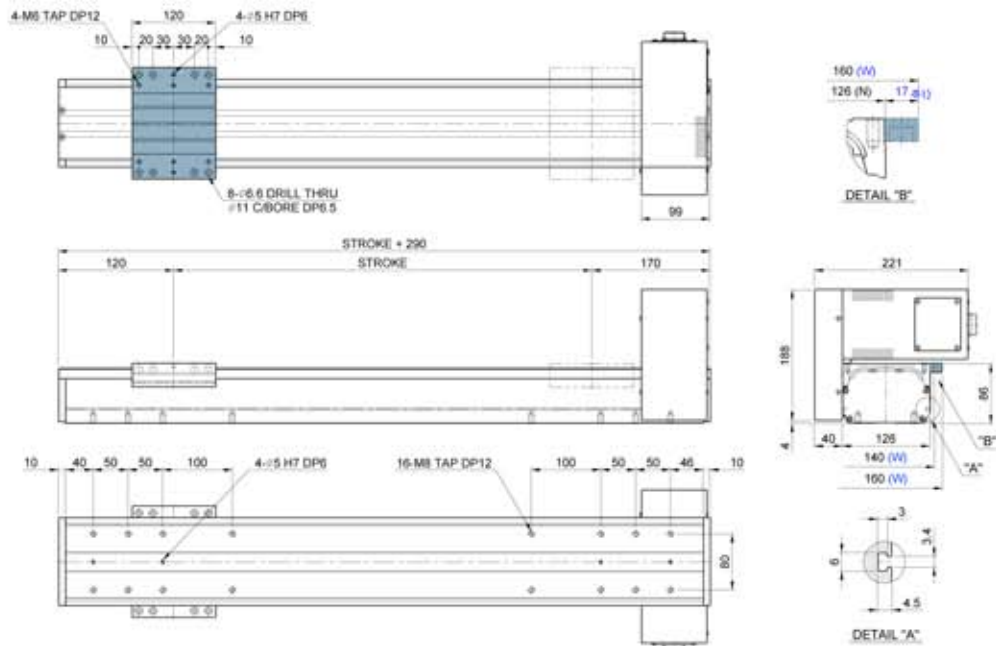
| Weight     |      | ■ Tolerance : 100g |      |      |      |      |      |      | Offset (100mm) |
|------------|------|--------------------|------|------|------|------|------|------|----------------|
| Model      | Unit | Stroke             | 200  | 300  | 400  | 500  | 600  | 700  |                |
| MB 126-B,C | Kg   | -                  | 13   | 13.9 | 14.8 | 15.7 | 16.6 | 17.5 | 0.9            |
| MB 126-D,E |      | -                  | 13   | 13.9 | 14.8 | 15.7 | 16.6 | 17.5 |                |
| MB 126-F,G |      | -                  | 13   | 13.9 | 14.8 | 15.7 | 16.6 | 17.5 |                |
| MB 160-B,C | Kg   | -                  | 22.4 | 23.9 | 25.4 | 26.9 | 28.4 | 29.9 | 1.5            |
| MB 160-D,E |      | -                  | 22.4 | 23.9 | 25.4 | 26.9 | 28.4 | 29.9 |                |
| MB 160-F,G |      | -                  | 22.4 | 23.9 | 25.4 | 26.9 | 28.4 | 29.9 |                |

► We customize products what user wants. (Servo Motor, Raydent, Body Harness)

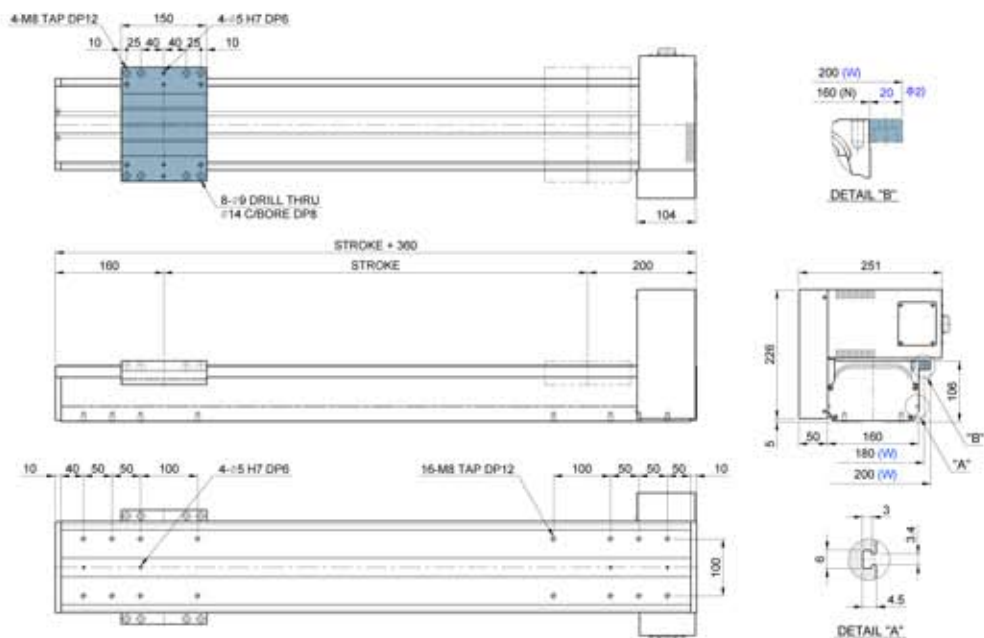
## Dimensions

■ Dimension in "mm"

### MB 126 - B(C) □□ - W



### MB 160 - B(C) □□ - W



● Note 1: □□ - W : With 17mm part. N : Without 17mm part same.  
 ● Note 2: □□ - W : With 20mm part. N : Without 20mm part.  
 ◆ C type : Symmetric with B type drawing, measurements are the same.

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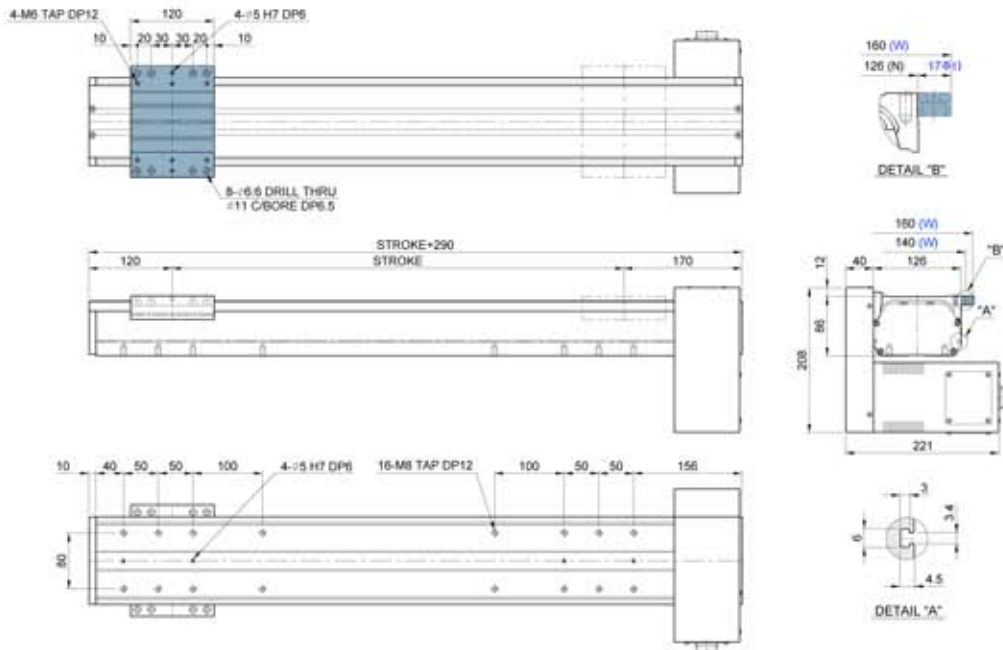
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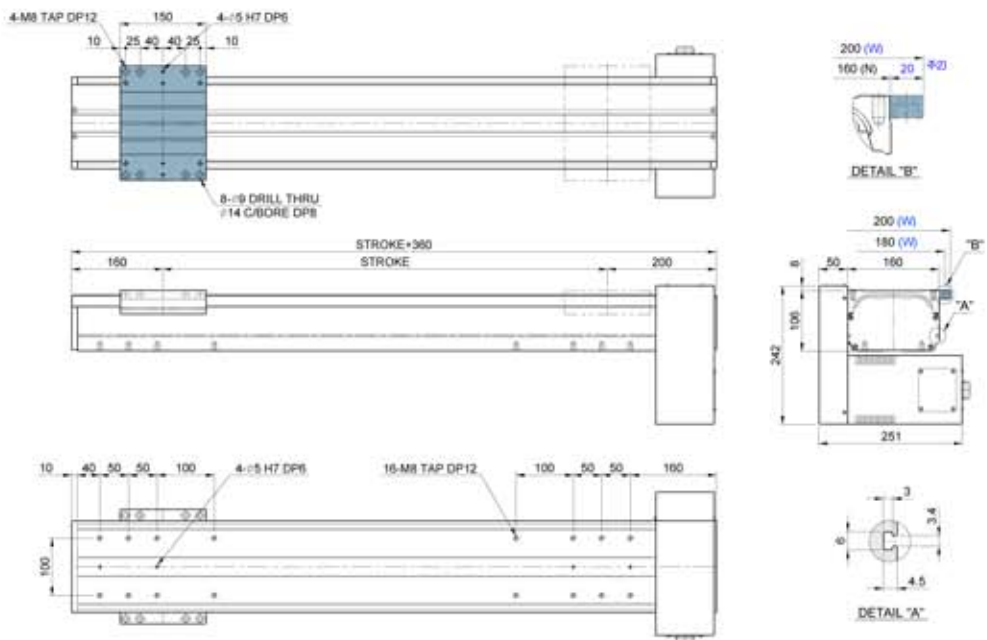


■ Dimension in "mm"

### MB 126 - D(E) □□ - W



### MB 160 - D(E) □□ - W

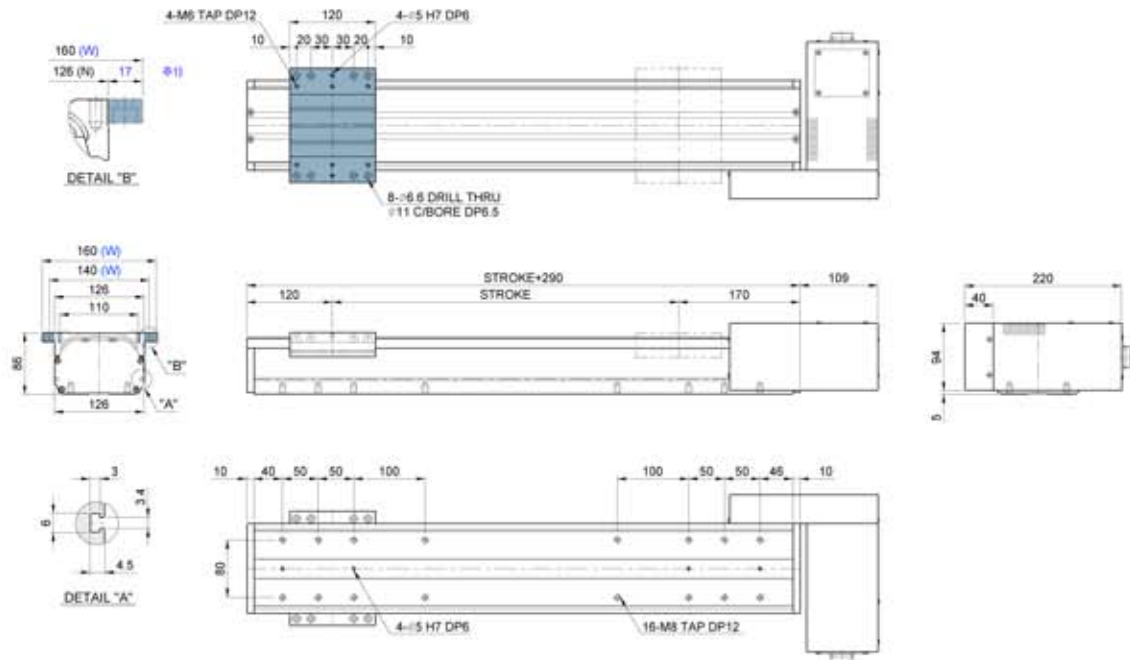


● Note1), □□ - W : With 17mm part. N : Without 17mm part same. ● E type : Symmetric with D type drawing, measurements are the same.  
 ● Note2), □□ - W : With 20mm part. N : Without 20mm part.

## Dimensions

■ Dimension in "mm"

### MB 126 - F(G) □□ - W



### MB 160 - F(G) □□ - W

