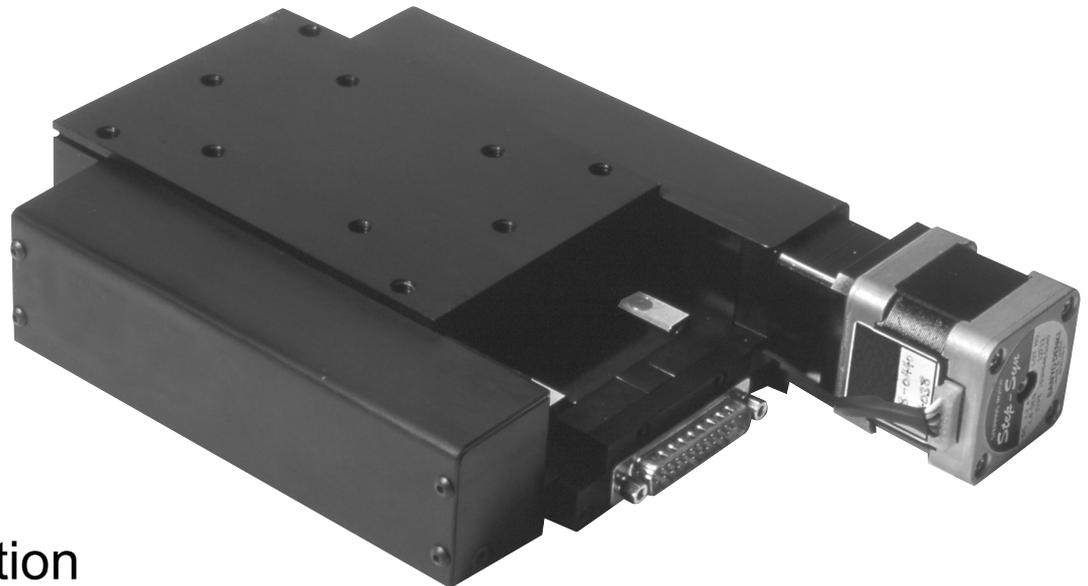


4000 Series Low Profile Stage

Designed for compact, low-profile and high accuracy applications, the 4000 Series stages use cross-roller bearings and precision G0 ballscrews mounted to one side. Travel range is 25 to 200mm.

This design allows the mounting of high accuracy linear scales, protected, within the stage assembly, on the side opposite the ballscrew. The ratio of base thickness to stage envelope ensures a superior trajectory performance. Limit and datum switches are also integrated within the stage. High resolution stepping motors or servo motors are mounted to an adaptable motor mount assembly. All connections are securely made through a single 25 way D connector.



Specification

| | Travel mm | 25 | 50 | 100 | 150 | 200 |
|-------------------------------------|-----------|--|------|-----|------|-----|
| Ballscrew Drive | | G0, Precision Ground, 1 or 2mm pitch | | | | |
| Accuracy | | 2 μ m per 25mm travel | | | | |
| Resolution | | 1 μ m standard : 0.1 μ m with linear scale | | | | |
| Flatness and Straightness of travel | | +/- 1 μ m per 25 mm of travel | | | | |
| Bi-directional repeatability | | +/- 0.1 μ m (with 0.1 μ m resolution linear scale) | | | | |
| Load Capacity (kg) | | | | | | |
| Stage Horizontal | | 20 | 20 | 20 | 20 | 20 |
| Stage Vertical | | 2.2 | 2.2 | 2.5 | 3.3 | 3.8 |
| Weight (kg) | | 0.6 | 0.65 | 0.7 | 0.75 | 1.5 |
| Materials | | Alumium Alloy and stainless steel | | | | |

Options:-

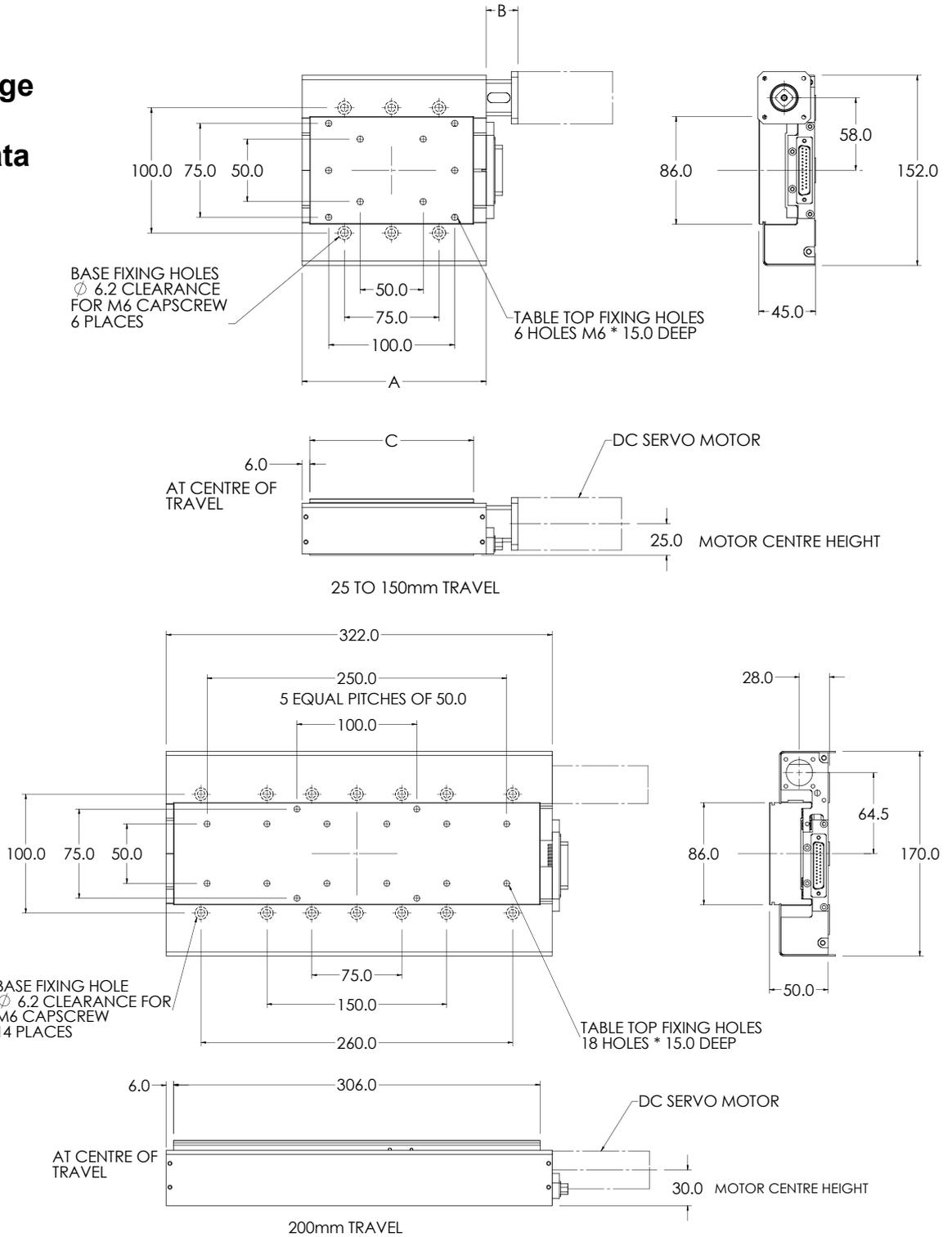
Leadscrew versions available

Special travels available on request

XY and Z bracketry, standard and bespoke

4000 Series Stage

Dimensional Data



| Max Travel (mm) | Dimensions (mm) | | |
|-----------------|-----------------|----|-----|
| | A | B | C |
| 25 | 146 | 25 | 130 |
| 50 | 146 | 25 | 130 |
| 100 | 171 | 53 | 155 |
| 150 | 246 | 78 | 230 |
| 200 | As per drawing | | |