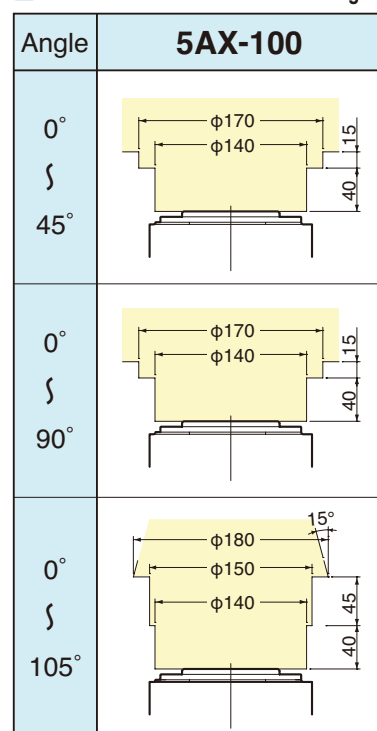


## Specifications

| Item / Code No.                          |   | 5AX-100  |                                     |
|--|---|--|-------------------------------------|
| Diameter of Table                        | φmm   | φ90  |                                     |
| Diameter of Spindle Hole                 | φmm   | φ50H7 φ30  |                                     |
| Center Height (90°)                      | mm  | 135  |                                     |
| Table Height in Horizontal Position (0°) | mm  | 190  |                                     |
| Width of T Slot                          | mm  | φ8H7 Pin hole  |                                     |
| Axis                                     |   | Rotary   | Tilting (0°~105°)                   |
| Clamping System                          |   | Pneumatic*1  | Air Hydraulic Booster Built-in type |
| Clamping Torque                          | N·m   | 205  | 410                                 |
| Table Inertia at Motor Shaft             | $(\frac{GD^2}{4}) \text{ kg}\cdot\text{m}^2 \times 10^{-3}$ | 0.09   | 0.12                                |
| Servo Motor                              | min <sup>-1</sup>   | α iF1·2000   | α iF2·2000                          |
| MIN. Increment                           |   | 0.001°   | 0.001°                              |
| Rotation Speed                           | min <sup>-1</sup>   | 44.4   | 22.2                                |
| Total Reduction Ratio                    |   | 1/45   | 1/90                                |
| Indexing Accuracy                        | sec   | ±30  | 60                                  |
| Net Weight                               | kg  | 84   |                                     |
| MAX. Work Load on the Table              | 0° to 30°   | 40 kg  |                                     |
|  | 30° to 90°  | 20 kg  |                                     |
| MAX. Thrust Load applicable on the Table | Tilting Angle = 0°  | 5300 N   |                                     |
|  | Tilting Angle = 0°  | L = 45mm F = 3820N   |                                     |
|  | Tilting Angle = 90°   | L <sub>1</sub> = 0mm F <sub>1</sub> = 2945N<br>L <sub>2</sub> = 100mm F <sub>2</sub> = 1045N |                                     |
|  | Tilting Angle = 90°   | FXL N·m<br>98  |                                     |
| MAX. Work Inertia                        |   | 0.03 $(\frac{GD^2}{4}) \text{ kg}\cdot\text{m}^2$  |                                     |
| Driving Torque                           |   | 18 N·m   |                                     |

## The Area of Noninterference in Tilting Position.



\*1 Air Intensifying Booster system is available if the supplied air pressure is under 0.5MPa or the brake torque is required to increase. **P.95**