

Stage Selection Table

Select a model by comparing the prominent products with specifications, prices and images. Narrow down the models by specifications and then see each product page for details. Information about "Stroke" and "Stage Surface Size" is also available on the right.



Note 1: Values are for .60mm sizes (Long side is 60mm for Rectangle Type). For other sizes, see each product page.
 Note 2: Straightness is a value represented by a maximum difference between an ideal straight line of travel and the actual travel of a top plate over the entire stroke range of the stage. Both horizontal and vertical deviation are measured, and the largest value is taken.

Feed Speed / Mechanism	Load Capacity (Horizontal * Note 1)	Accuracy (Straightness * Note 2)	Image	Page	Stroke mm	Stage Surface Size mm
Travel per Rotation 16.7 ~ 20mm Rack & Pinion	Medium 39.2N (4kg)	Standard 50µm		X P.1649 XY P.1649 Z P.1650 XZ / XYZ-Axis -	±16 ±21 ±35	30x50 40x60 40x90
		High Precision 30µm		X P.1663 XY P.1689 Z P.1701 XZ / XYZ-Axis -	±12 ±21 ±35 ±60	24.8x42 40x60 40x90 40x140
Travel per Rotation 4.2mm Feed Screw	Light 29.4N (3kg)	Standard 50µm		X P.1648 XY - Z - XZ / XYZ-Axis -	±11 ±21 ±35	40 sq. 60 sq. 40x60 40x90
		High Precision 20µm		X P.1672 XY P.1692 Z P.1705 XZ / XYZ-Axis -	±11 ±21	40 sq. 60 sq.
		High Precision 30µm		X P.1673 XY P.1691 Z P.1706 XZ / XYZ-Axis -	±21 ±35	40x60 40x90
Travel per Rotation 0.5mm Feed Screw	Medium 39.2N (4kg)	Standard 50µm		X P.1646 XY P.1646 Z P.1647 XZ / XYZ-Axis -	±5 ±7 ±8	25 sq. 40 sq. 60 sq.
		High Precision 30µm		X P.1677 XY P.1693 Z P.1707 XZ / XYZ-Axis P.1717, 1722	±5 ±7 ±9	25 sq. 40 sq. 60 sq.
Travel per Rotation 0.5mm Micrometer Head	Medium 49.0N (5kg)	Standard 30µm		X P.1657 XY P.1658 Z P.1658 XZ / XYZ-Axis -	±6.5	40 sq. 60 sq. 80 sq.
		High Precision 3µm		X P.1685 XY P.1699 Z P.1710 XZ / XYZ-Axis P.1720, 1725	±3.2 ±6.5 ±12.5 ±25	25 sq. 40 sq. 60 sq. 80 sq. 100 sq. 120 sq.
	Heavy 196.0N (20kg)	Standard 10µm		X P.1655 XY P.1656 Z P.1656 XZ / XYZ-Axis -	±6.5	40 sq. 60 sq.
		High Precision 1µm		X P.1681 XY P.1695 Z P.1709 XZ / XYZ-Axis P.1719, 1723	±3.2 ±6.5 ±12.5	25 sq. 40 sq. 50 sq. 60 sq. 70 sq. 80 sq. 100 sq.

Rotation

Desired positioning can be obtained by rotating the sample.

Rotary Motion (Adjustable Angle)	Load Capacity (Horizontal * Note 1)	Accuracy (Eccentricity)	Image	Page	Stage Surface Size mm
Coarse Feed Only (360°)	Heavy 68.6N (7kg)	High Precision 0.05mm		REG P.1727	Ø25 Ø40 Ø60
	Ultra Heavy 588N (60kg)	High Precision 0.1mm		RTOUGH P.1730	Ø100
Fine Feed Only (±10°)	Light 29.4N (3kg)	Standard 0.05mm		RTSS P.1662	40 sq. 60 sq.
Coarse / Fine Feeds (Coarse Feed: 360° Fine Feed ±3°)	Light 9.8N (1kg) 29.4N (3kg)	Standard 0.1mm~		RTRS / RTRM P.1661	Ø40 Ø60 Ø80
		High Precision 0.05mm		RPGE P.1727	Ø25
	Medium 49.0~58.8N (5~6kg)	High Precision 0.05mm		RPG P.1728	Ø38 Ø60 Ø65 Ø110
				RPGS / RPQT P.1729	Ø60 Ø65 Ø100

Horizontal Surface Z-Axis

Stages with the table top rising/lowering horizontally.

Travel per Knob Rotation (Feed Mechanism)	Load Capacity (Horizontal * Note 1)	Accuracy (Straightness * Note 2)	Image	Page	Stroke mm	Stage Surface Size mm
13mm / Rotation Rack & Pinion	Light 9.8N (1kg)	High Precision 30µm		ZLFG P.1713	±2.5 ±5 ±10	25 sq. 40 sq. 60 sq.
0.5mm / Rotation Feed Screw	Medium 29.4N (3kg)	High Precision 3~5µm		ZLPCG ZLPCGS ZLTCG P.1714 P.1713 P.1715	±2 ±3 ±5	25 sq. 40 sq. 60 sq. 80 sq.
0.5mm / Rotation Micrometer Head	Medium 49N (5kg)	Standard 15µm		ZLLB P.1660	±3 ±5	40 sq. 60 sq.
	Medium 19.6~39.2N (2kg~4kg)	High Precision 3~5µm		ZLPG ZLTG P.1714 P.1715	±2 ±3 ±5	25 sq. 40 sq. 60 sq. 80 sq.
	Heavy 58.8N (6kg)	High Precision 3µm		ZLPGS P.1713	±3	40 sq. 60 sq.

Goniometer

Circular arc motion stages with arc centers located on central perpendicular line above the stage tops.



Helicoid Screw (Horizontal Surface Z-Axis)

Horizontal surface Z-Axis stages with relatively longer stroke (±15).



Lab Jack (Horizontal Surface Z-Axis)

Horizontal surface Z-Axis stages with relatively longer stroke (±35 Max).

