

Stage Selection Table

Positioning adjustment mechanisms can be compared based on load capacities, motion ranges, accuracy ranges, and selected. Narrow down with your desired specifications and check for details on product listing pages.

♥ The load capacities shown are X-Axis ref. values. For details and XY & Z axis load capacities, please see each product page.
♥ The values of "Accuracy Range" are for motion accuracy (Straightness) references.
♥ Since the low precision products utilize simplified mechanisms, there are some clearances.

Linear Motion (X-Axis, Y-Axis, Z-Axis)

Load Capacity (N)	Mechanism, Appearance Image	Stroke			Stage Surface Size (X-Axis)	Accuracy Range	Features	Type, Listed Pages		
		~±10	~±100	±100~				X-Axis	XY-Axis	Z-Axis
~19.6	Push Screw	±5, ±7.5			□20 □25 □40 □60	Low Precision (Simplified)	Standard	XKNG XKNGZ P.1893	XYKNG P.1929	ZKNG P.1951
	Key Guide Type	15, 20			Stage Width: 40, 60		Reinforced Clamp	XKYF XKYL P.1895	XYKYF P.1931	-
	Feed Screw	±2.5			13x27		Compact	XSEN P.1892	-	-
~39.2		25			29x50		Reinforced Clamp	XKCS P.1895	-	-
		5.6~154			6.7x16~ 6.7x31.4		Long Stroke	XSENC P.1892	-	-
	Feed Screw (Square)	±5, ±7, ±8			□25 □40 □60	[Standard] 50μm	Standard	XFES P.1896	XYFES P.1931	ZFES P.1961
		±5, ±7, ±9				High Precision 30μm	Standard	XEG P.1897	XYEG P.1933	ZEG P.1962
		±3, ±5, ±7					Extended Knob	XEGL P.1898	XYEGL P.1934	ZEGL P.1963
		±11, ±21			□40 □60		Reinforced Clamp	XEGCL P.1898	XYEGCL P.1934	ZEGCL P.1963
							Hex Wrench Drive	XEEG P.1897	XYEEG P.1933	ZEEG P.1962
							With Dowel Holes	XSC P.1899	XYSC P.1932	ZSC P.1959
							With Dowel Holes Extended Knob	XSCL P.1899	XYSCL P.1932	-
	Feed Screw (Rectangular)	±7, ±9, ±13, ±17, ±23			□20 □25 □40 □60 40x25 60x40	Low Precision (Simplified)	Standard	XKNEJ P.1894	XYKNEJ P.1930	ZKNEJ P.1952
		±10, ±20, ±35			□40 □60 40x60 40x90	Med. Precision (Standard) 50μm	Lead 4.5mm	XFHT P.1896	-	-
		±21, ±35			40x60 40x90	High Precision 30μm~	Lead 4.2mm Standard	XSL P.1900	XYSL P.1936	ZSL P.1960
		±27, ±42, ±57			25x40		Lead 4.2mm Reinforced Clamp	XSLCL P.1900	XYSLCL P.1936	ZSLCL P.1960
							Lead 4.2mm Low Profile	XSLC P.1900	XYSLC P.1936	ZSLC P.1960
							[New Product] Long Stroke	XLSL P.1901	-	ZLSL P.1959
	Rack & Pinion	±12, ±14, ±23			25x40 40x60 40x90	Low Precision (Simplified)	Standard	XKRG P.1902	XYKRG P.1937	-
		±16, ±21, ±35			30x50 40x60 40x90	Med. Precision (Standard) 50μm	Standard	XDTS P.1903	XYDTS P.1938	ZDTS P.1953
		±15, ±20, ±35					Low Profile	XDTS P.1903	XYDTS P.1938	ZDTS P.1953
		±5, ±10, ±20			□25 □40 □60	High Precision 20μm~	Standard (Square)	XFG P.1911	XYFG P.1940	ZFG P.1957
		±12, ±21, ±35, ±60			24.8x42 40x60 40x90 40x140		Standard (Rectangular)	XWG P.1904	XYWG P.1939	ZWG P.1954
							Reinforced Clamp	XWGCL P.1906	XYWGCL P.1940	ZWGCL P.1958

Load Capacity (N)	Mechanism, Appearance Image	Stroke			Stage Surface Size (X-Axis)	Accuracy Range	Features	Type, Listed Pages		
		~±10	~±100	±100~				X-Axis	XY-Axis	Z-Axis
~39.2	Rack & Pinion (Long Stroke)	±30, ±40, ±65, ±90			30x50	Med. Precision (Standard) 50μm~	Long Stroke	XDLS P.1907	-	ZDLS P.1955
		±15, ±25, ±40, ±65, ±90			25x42	High Precision 30μm~	Long Stroke	XLWG P.1908	-	ZLWG P.1956
		60, 160, 260, 360			40x40		Ultra Long Stroke (Block Combination)	XLARGE P.1910	-	-
~343		±140			40x50		Ultra Long Stroke	XLONG P.1909	-	-
	Cross Roller	±3.2, ±6.5, ±12.5, ±25			□25 □40 □50 □60 □80 □90 □100 □120	Med. Precision (Standard) 30μm	Standard	XCRS P.1917	XYCRS P.1942	ZCRS P.1967
		±3.2, ±6.5, ±12.5, ±25			□25 □40 □60 □80 □100 □120	High Precision 3μm	Standard	XPG P.1918	XYPG XYPCG P.1943	ZPG P.1968
		±6.5, ±20			25x60 60x110		Long Stroke	XLPG P.1916	-	-
	Linear Ball	±6.5			□40 □60	Med. Precision (Standard) 10μm	Standard	XLBS P.1920	XYLBS P.1942	ZLBS P.1965
		±6.5, ±12.5			□25 □40 □50 □60 □70 □80 □100	High Precision 1μm~	Standard	XSG XSGB XSCG XSCGB P.1921	XYSG XYSGB XYSCG XYSCGB P.1946	ZSG ZSGB ZSCG ZSCGB P.1966
		±6.5, ±12.5			□40 □50 □60 □70 □80 □100		Digital Micrometer Head	XSDG P.1921	-	-
		±6.5			□40 □50 □60 □70 □80		Coarse/Fine Feeds	XSKG P.1921	XYSKG P.1949	-
		±3.2, ±6.5			□25 □40 □50 □60 □70		Opposed Clamp with Knob Clamp	XSGNT P.1923	XYSGNT P.1950	-
	Feed Screw	±6			□40 □60	Low Precision (Simplified)	Led. Load	XKDSP P.1964	-	-
		10, 15, 25, 30, 40, 50, 60, 70			Stage Width: 40, 60, 80		Stroke Selectable Type	XKNEF P.1913	-	-
		25, 40, 50, 75			□40 □60 □80 80x40		Large Lead	XKS P.1912	XYKS P.1941	-
		50, 100, 150			80x80		Heavy Load Type	XKST P.1927	-	ZKST P.1969
		60, 150			40x20 60x40		Right/Left Screw Open/Close Width Adjusting	XANON P.1928	-	-
~1176	Rack & Pinion	±12, ±21, ±35			24.8x40 40x60 40x90	High Precision 30μm~	High Load Capacity	XWGSR P.1925	-	-
	Linear Guide	128			80x80		Long Stroke	XLSG P.1927	-	-
	Cross Roller	±20, ±25, ±30, ±40, ±50			□80 □100 □120 □150 □200	High Precision 6μm~	High Load Capacity	XTOUGH P.1926	-	-
~1470	Manual Units	53~353			Stage Width: 150	Low Precision (Simplified)	Standard Position Indicator Symmetrical Action Dual Carriage, etc.	P.2017~ 7 types featured		

Other Low Profile Types, Slim, Extended Knob, Through Hole				Space Saving	
Dovetail Slide Feed Screw	Compact Carriage XSSL (P.1901) Compact Carriage Low Profile XSSLC (P.1902)	Linear Ball	Heavy Load Compact Carriage XSGL (P.1923) Low Profile XYSSG (P.1948)	Dovetail Slide Feed Screw	DSXYEG (P.1935)
Dovetail Slide, Rack & Pinion	Extended Knob XWGL (P.1905) Compact Carriage XSP (P.1904)	Coarse/Fine Feeds		Linear Ball	Micrometer Head DSXYSGB (P.1947) Feed Screw DSXYSCG (P.1947)
Cross Roller	Low Profile (Standard) XYCRSC (P.1944) Low Profile (High Precision) XYSPG (P.1945) Through Hole XYPPG (P.1945)	Dovetail Slide, Rack & Pinion	Square XSFG (P.1911) Rectangular XSB (P.1906)		