

[High Precision] X-Axis Dovetail Slide, Rack & Pinion Long Stroke (300mm)

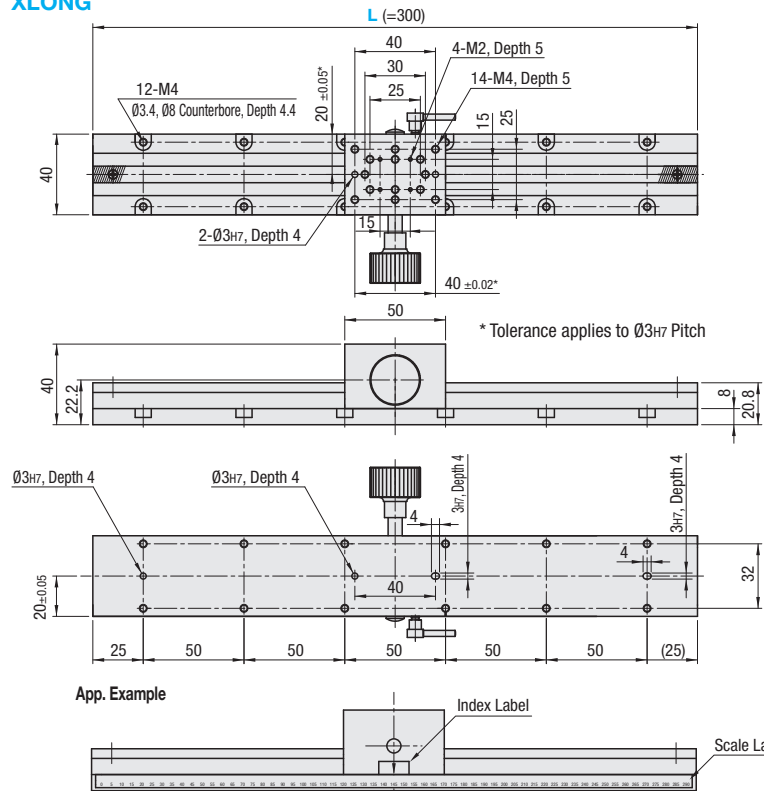
Features: Compatible with M size board (330mmx250mm). Suitable for sensor adjustments and tooling changes.

X-Axis, Long Stroke (300mm)

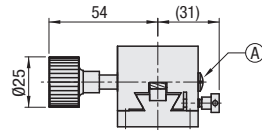


Use Adjustable Plates for XY-Axis Stages (XYPLT) to combine the Long Stroke Stages together. P.1915

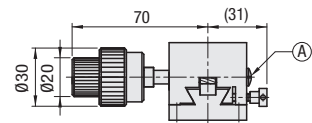
XLONG



Standard Knob



Coarse/Fine Feed Knob

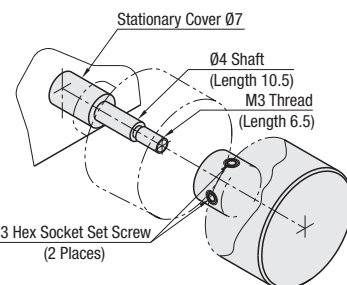


- Use M3 screws for mounting from top, M4 screws for mounting from bottom.
- By turning the preload adjustment screw (A) clockwise with a flathead screwdriver, the stage slides slowly, and by turning counterclockwise the stage slides quickly and smoothly.
- Dowel holes on top and bottom plates can be used to secure locating repeatability.
- Do not remove blocks from bottom plate, as blocks are preloaded and ground fit for precision, and shipped after inspection.

- M Material: Aluminum Alloy
- S Surface Treatment: Black Anodize
- A Accessory: Scaled Label (PET Film) Index Label (PET Film)



Assembly of Standard Knob



XLONG300 Standard Knob Type has an M3 set screw for the knob.

Part Number Type	L-No.	Block Knob	Qty.	Travel Distance (mm)	Travel per Rotation (mm) Coarse	Travel per Rotation (mm) Fine	Load Capacity (N) Horizontal	Load Capacity (N) Vertical	Travel Accuracy Straightness	Weight (kg)	Unit Price
XLONG	300	Standard Knob	1	±140	18	-	49	24.5	150μm	0.63	
	300-2		2							0.81	
	300-3	3	0.99								
	300-SB	Coarse/Fine Feeds Knob	1	±140	18	2.3	49	24.5	150μm	0.70	
300-2SB	2		0.95								
300-3SB	3		1.20								

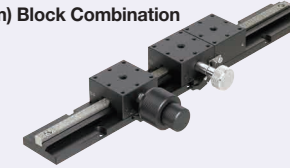
Resolution: 1mm/division

Ordering Example	Part Number
	XLONG300
	XLONG300-2SB

[High Precision] X-Axis Dovetail Slide, Rack & Pinion Long Stroke (100, 200, 300, 400mm) Block Combination

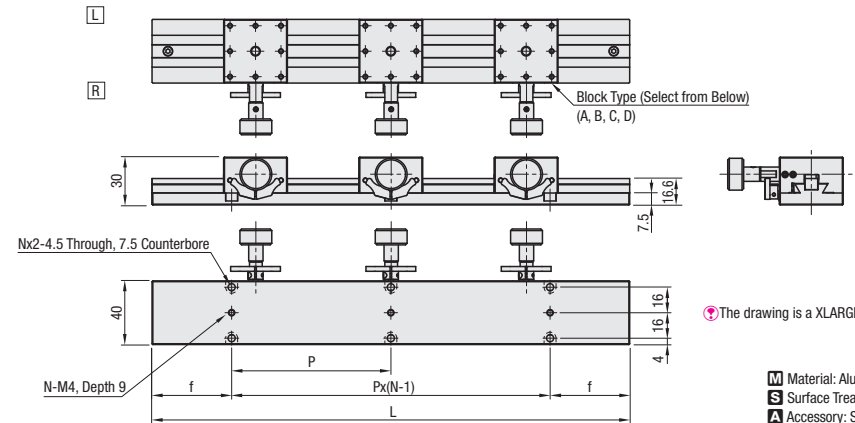
Features: Useable for tooling changes. Numbers, type and direction of blocks and rail length are selectable.

X-Axis, Long Stroke (100, 200, 300, 400mm) Block Combination



Moved distance can be read with the mark on the carriage and the scale on the base. Resolution is 1mm.

XLARGE



The drawing is a XLARGE3-B-B-B

- M Material: Aluminum Alloy
- S Surface Treatment: Black Anodize
- A Accessory: Scaled Label (PET Film) Index Label (PET Film)

Adhesive vernier scale label can be placed at desired position in accordance with a required adjustment range.

Block Type	Direction	Standard Knob (Left)	Standard Knob (Right)	Coarse/Fine Feed Knob (Left)	Coarse/Fine Feed Knob (Right)
		A	B	C	D
Shape	L				
	R				

Dimension of * marked part will vary ±0.3mm due to its structure.

(Rail)

Part Number Type	No.	L	Block ①	Block ②	Block ③	Travel Distance*1 (mm)	Horizontal Load Capacity (N)	f	P	N	Weight*3 (kg)	Accessory Type M-L	Quantity	Unit Price
XLARGE	1	100	A	A	A	60	29.4	12.5	75*2	2	0.15	CBM4-8	4	
	2	200	B	B	B	160							4	
	3	300	C	C	C	260							6	
	4	400	D	D	D	360							8	

- When L (Rail Length) = 100, only one block can be selected.
- When L (Rail Length) = 200, two blocks can be selected.
- Travel distance of *1 is the value obtained with one block. Addition of every one block shortens the travel distance by 40mm.
- *2 M4 (backside) is P=100
- *3 Weight of the rail itself. Unit weight should be calculated by adding the weight of the selected number of blocks.

(Block)

Block Type	Weight (kg)	Unit Price 1 - 3 pc(s).
A Standard Knob (Left)	0.12	
B Standard Knob (Right)	0.12	
C Coarse/Fine Feed Knob (Left)	0.17	
D Coarse/Fine Feed Knob (Right)	0.17	

For orders larger than indicated quantity, please request a quotation.



Part Number	Block ①	Block ②	Block ③
XLARGE2	A	A	
XLARGE3	A	B	
XLARGE4	A	B	C



Block Connecting Method

