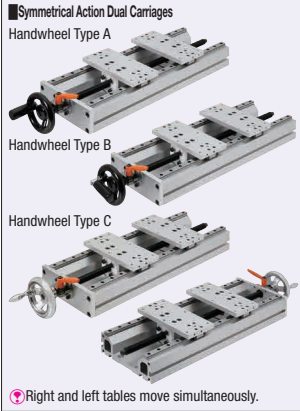
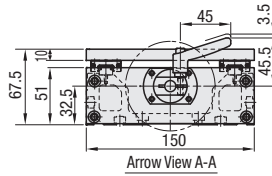


Manual Units - Symmetrical Action Dual Carriages

Features: Units best suited for simple manual positioning and capable of moving right and left tables simultaneously.



KUED

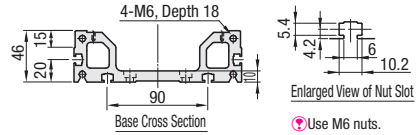


Components

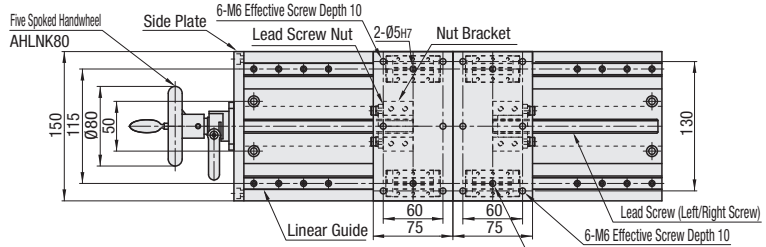
Parts	Base	Table	Lead Screw	Lead Screw Nut	Nut Bracket	Side Plate
Material	Aluminum Alloy	Aluminum Alloy	S45C	Brass	Aluminum Alloy	Aluminum Alloy
Surface Treatment	Clear Anodize	Clear Anodize	-	-	Clear Anodize	Clear Anodize

Stroke

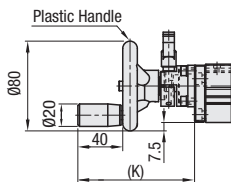
Type	Effective Stroke St (mm)			
	L=320	L=370	L=420	L=470
KUED	65	90	115	145



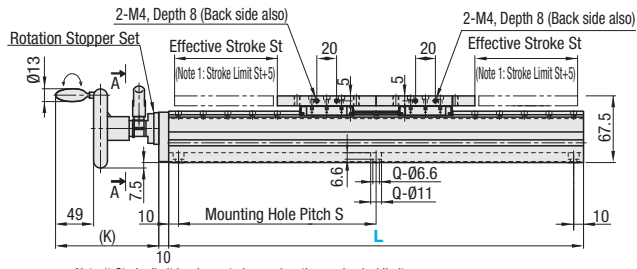
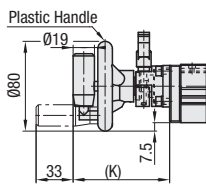
Handwheel Type C



Handwheel Type A



Handwheel Type B: Folding Type



Part Number	Type	No.	Handwheel Type	Base Length L (mm)	Effective Stroke Stroke St(mm)	Lead Screw			Allowable Load (N)			Allowable Moment (N·m)			Base Mounting Hole			(K)	Mass (kg)		
						Thread Dia.	Lead	Horizontal	Vertical	Ma	Mb	Mc	S	Q (Number of Holes)	Handwheel Type	Handwheel Type	Handwheel Type				
KUED	14	A	Plastic Handle	320	65	14	3	122.5	24.5	0.5	0.5	6	150	6	99	81	113	4.9	4.6	4.6	
				370	90								5.4	5.1				5.1			
				420	115								5.9	5.6				5.6			
		C	Folding Type Five Spoked Handwheel	320	65								150	8				6.4	6.1	6.1	
				370	90								150	6				5.5	5.2	5.2	
				420	115								175	6				6	5.7	5.7	
20	420	115	200	6	6.5	6.2	6.7														
470	145	150	8	7	6.7	6.7															

The allowable load for this product is the load that can be placed on the stage table such that it can still be moved. "Horizontal" and "vertical" indicate the installation orientation.

Ordering Example Part Number - Handwheel Type - L
KUED14 - A - 320

Required Torque, Required Turning Force

Part Number	Type	No.	Required Torque (N·m)		Required Turning Force (N)	
			Horizontal	Vertical	Horizontal	Vertical
KUED	14	0.039	0.223	1.503	8.586	
		0.059	0.433	2.261	17.022	

The above torque / turning force is a value required when the allowable load is applied to the two tables.

* Turning force is the force that rotates the handwheel. (See the diagram on the right.)

* Vertical values are those when elevating the table.

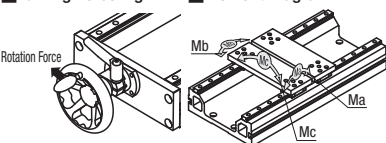
Accuracy

Type	Parallelism (mm)	Backlash (mm)
KUED	0.15	0.3

* Parallelism is the degree of running parallelism for dimension B against dimension A. (See the diagram on the right.)

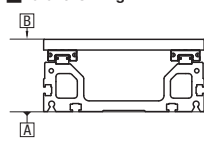
* Backlash is not a guaranteed value but reference value.

Turning Force Fig.

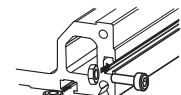
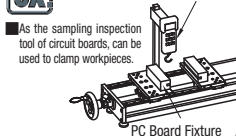


Moment Diagram

Parallelism Fig.



Example



Usage of Frame Slots
Side and bottom surfaces are grooved for M6 nuts. Nuts can be inserted either from the wheel side or the opposite side to tighten screws and install a leveling mount.