

# Manual Units

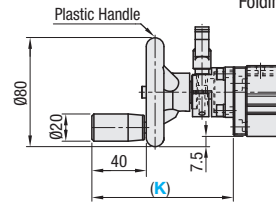
## Standard

■ **Features:** Units best suited for simple manual positioning.

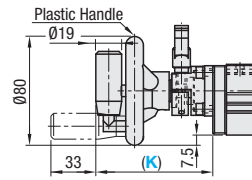


**KUE (Standard)**

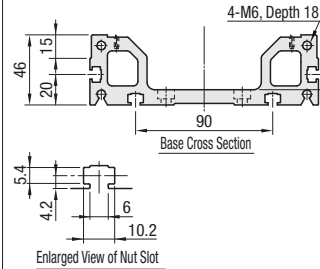
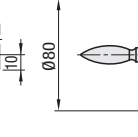
Handwheel Type **A**



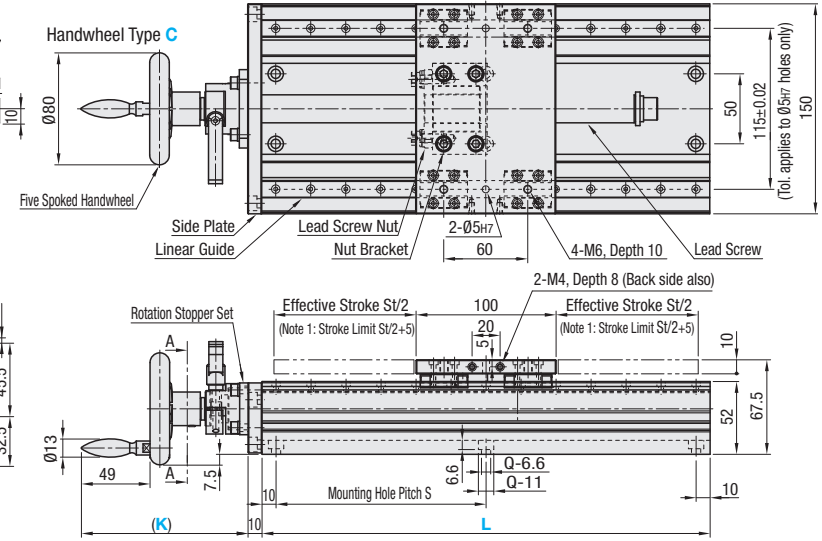
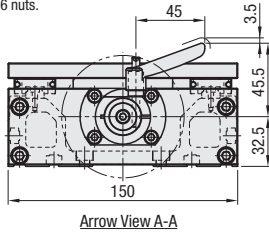
Handwheel Type **B**  
Folding Type



Handwheel Type **C**



⚙️ Use M6 nuts.



Note 1) Stroke limit is where stroke reaches the mechanical limit.

■ **Components**

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

Part Number	Type	No.	Handwheel Type	Base Length L (mm)	Effective 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)	A	B	C	A	B	C		
<b>KUE</b>	14	A	Plastic Handle	170	53	14	3	735	147	7	7	13	150	4	100	82	115	2.9	2.9	3.2		
				200	4								3.4	3.4				3.7				
				320	6								4.4	4.4				4.7				
				370	6								4.9	4.9				5.2				
				420	6								5.4	5.4				5.7				
				470	8								5.9	5.9				6.2				
	20	B	Plastic Offset Handwheel - Folding Type	170	53	20	4	1470	294	43	43	81	150	4	103	85	118	3.5	3.5	3.8		
				200	4								4	4				4.3				
				320	6								5	5				5.3				
				370	6								5.5	5.5				5.8				
				420	6								6	6				6.3				
				470	8								6.5	6.5				6.8				

⚠️ 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.



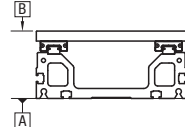
Part Number	Type	Handwheel Type	Unit Price 1 ~ 2 pc(s).				
			L=170	L=220	L=320	L=370	L=420
<b>KUE</b>	14	A					
		B					
		C					
	20	A					
		B					
		C					

■ **Accuracy**

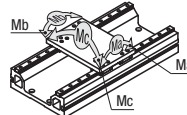
Type	Parallelism (mm)	Backlash (mm)
<b>KUE</b>	0.15	0.3

⚠️ 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.

■ **Parallelism Fig.**



■ **Moment Diagram**



■ **Required Torque, Required Turning Force**

Part Number	Type	No.	Required Torque (N·m)		Required Turning Force (N)	
			Horizontal	Vertical	Horizontal	Vertical
<b>KUE</b>	14	14	0.04	0.2	1.5	7.7
		20	0.06	0.4	2.3	16.2

■ **Turning Force Fig.**



⚠️ Torque and turning force required at max. load capacity.  
 ⚠️ Turning force is the force that rotates the handwheel. (See the diagram on the right.)  
 ⚠️ Vertical values are those when elevating the table.