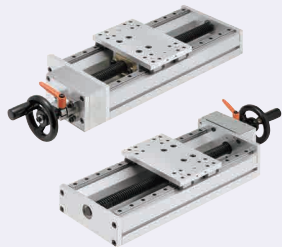


Manual Units

Rapid Feed

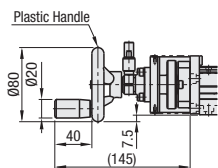
■ **Features:** Built-in speed multiplier enables feed rate of 2.5 times of the standard units.

■ **X-Axis**

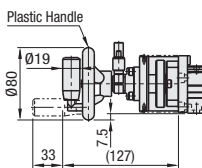


KUEHS

Handwheel Type A



Handwheel Type B

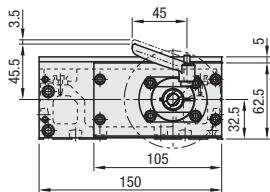
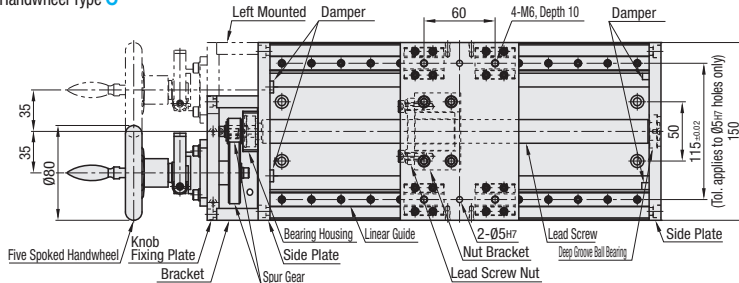


■ **Components**

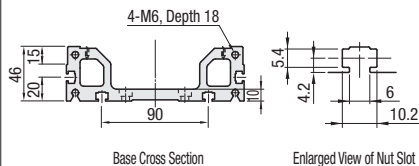
Parts	Base	Table	Lead Screw	Lead Screw Nut
M Material	Aluminum Alloy	Aluminum Alloy	S45C	Brass
S Surface Treatment	Clear Anodize	Clear Anodize	Black Oxide	-

Parts	Nut Bracket	Side Plate	Spur Gear	Cover
M Material	Aluminum Alloy	Aluminum Alloy	S45C	SUS304HL
S Surface Treatment	Clear Anodize	Clear Anodize	-	-

Handwheel Type C



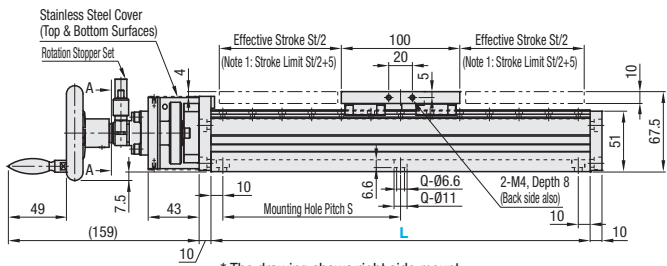
Arrow View A-A



Base Cross Section

Enlarged View of Nut Slot

⊙ Use M6 nuts.



* The drawing shows right side mount.

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

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		Mass (kg)		
						Thread Dia.	Lead	Horizontal	Vertical	Ma	Mb	Mc	S	Q (Number of Holes)	A	B	C
KUEHS	20	A	Plastic Handle	320	203	20	4	490	98	14	14	27	150	6	6.2	6.2	6.2
				370	253										6.7	6.7	6.7
				420	303										7.2	7.2	7.2
				470	353										7.7	7.7	7.7

⚠ 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** - **Handwheel Position** - **L**
 KUEHS20 - A - L - 320

Part Number	Type	No.	Knob Type	Unit Price 1 ~ 2 pc(s).			
				L=320	L=370	L=420	L=470
KUEHS	20		A				
			B				
			C				

■ **Required Torque, Required Turning Force**

Part Number	Type	No.	Required Torque (N·m)		Required Turning Force (N)	
			Horizontal	Vertical	Horizontal	Vertical
KUEHS	20		0.147	1.051	5.653	40.41

*Torque and turning force required at max. load capacity.

*Turning force is the force that rotates the handwheel.

*Vertical values are those when elevating the table.

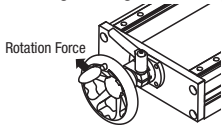
■ **Accuracy**

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

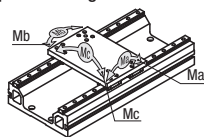
*Parallelism is the degree of running parallelism for dimension B against dimension A. (See the diagram below.)

*The backlash value shown is for a lead screw model, and is a reference value.

■ **Turning Force Fig.**



■ **Moment Diagram**



■ **Parallelism Fig.**

