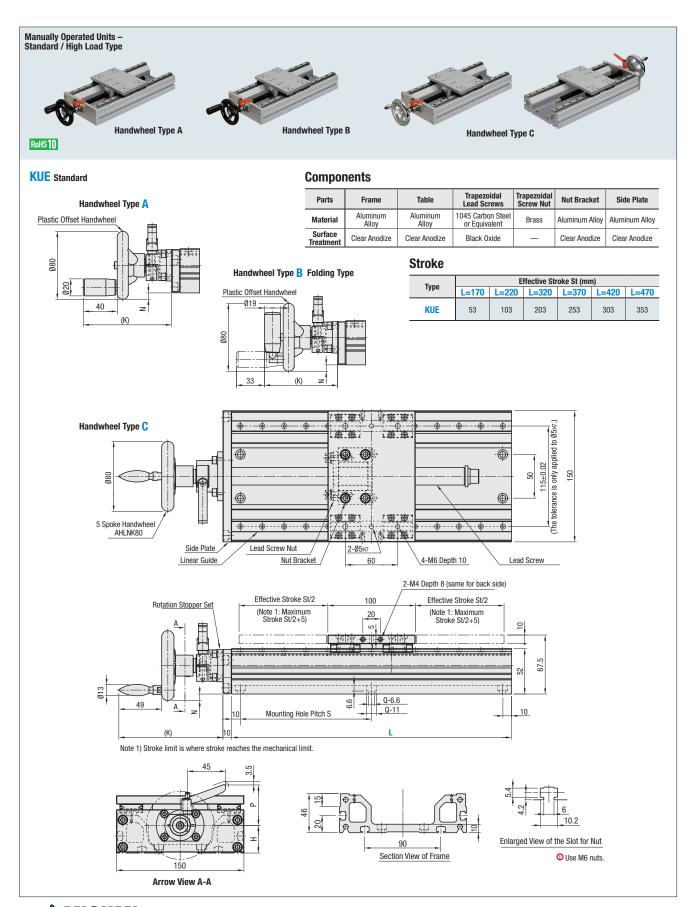
Manually Operated Units

Standard / High Load Type



Manually Operated Units

Standard / High Load Type, continued

Allowable Load / Allowable Moment

Part Number			Dana	P##Alice	Lead Screw		Allowable Load (N)		Allowable Moment (N•m)		Base Mounting Hole		(K)		Mass (kg)								
Type No.	No	Handwheel Type	Length L (mm)	Length	Length	Length		Effective Stroke St (mm)	Thread	Lead	Horizontal	Vertical	Ma	Mb	Mc	s	Q (Number	Handwheel Type		Туре	e Handwheel Type		
1,00				(,	Dia.	Loud	Horizontai	707.11041			0		of Holes)	Α	В	С	Α	В	С				
			170	53		3	735	147	7	7		150	4				2.9	2.9	3.2				
	14		220	103	14							200 150 175	4	100			3.4	3.4	3.7				
			320	203							13		6		00	115	4.4	4.4	4.7				
	14		370	253							13		6		82	115	4.9	4.9	5.2				
		A Plastic Handle	420	303								200	6				5.4	5.4	5.7				
MILE		B Plastic Offset Handwheel	470	353								150	8				5.9	5.9	6.2				
KUE		 Folding Type 	170	53			1470	294	43	43		150	4				3.5	3.5	3.8				
		C Five Spoked Handwheel	220	103								200 150	4	103 85			4	4	4.3				
	20		320	203							81		6		85	110	5	5	5.3				
	20		370	253		4	1470				01	175	6	103	00	118	5.5	5.5	5.8				
			420	303								200	6				6	6	6.3				
			470	353								150	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

F	Part Num	ber		Frame	Selection Lead Screws			Rotation Stopper Set	Linear Guide	(K)					Frame Mounting Hole			
	Type No.	No.	Handwheel Type	Length L	Type S Sha	Screw	Screw Shaft Dia.	Туре	Part Number	Handwheel Type		N	Н	P	S, Q (Number of Holes)			
	.,,,,					Shaft Dia.				Α	В	C				L	S	Q
		14		170														
			A Plastic Offset Handwheel PHLK	220	MTSBRA	3			100	82	115	5.5	34.5	43	100	82	115	
	KUE		B Plastic Offset Handwheel PHLFK	320		14	14 4	MTQDM	SE2B13									
	KUE		Folding Type	370				INTUDIN	SEZB13									
		20	C 5 Spoke Handwheel AHLNK	420	MTSBRC			4			103 85	85	118	7.5	32.5	45.5	103	85
_				470														

Mass

	Part Nui	Part Number				Mass (kg)		
	Туре	No.	Туре	L=220	L=320	L=370	L=420	L=470
			Α	3.4	4.4	4.9	5.4	5.9
		14	В	3.1	4.1	4.6	5.1	5.6
	KUE		C	3.1	4.1	4.6	5.1	5.6
	KUE		Α	4	5	5.5	6	6.5
_		20	В	3.7	4.7	5.2	5.7	6.2
			C	3.7	4.7	5.2	5.7	6.2

Accuracy

Туре	Parallelism (mm)	Backlash (mm)					
KUE	0.15	0.3					

^{*}Parallelism is when surface B and surface A are running side by side. (See figure on the right) *Backlash is not a guaranteed value but a reference value.

	Part N	umber	Required To	orque (N·m)	Required Turning Force (N)					
	Туре	No.	Horizontal	Vertical	Horizontal	Vertical				
	KUE	14	0.039	0.201	1.503	7.734				
	KUE	20	0.059	0.420	2.261	16.164				

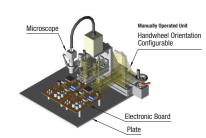
*Required torque and turning force are when allowable load is applied on two tables.

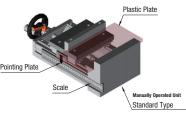
Required Torque / Required Turning Force

Microscope Inspection Stage

Inspects a few types of electric components (at specific portion).

Manually Operated Unit is used for the axis of XY Inspection Stage to slide a microscope.





Crack Inspection and Simplified Measurement Device

Operates crack inspection and simplified measurement for plastic plates.

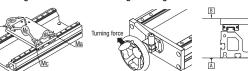
Manually Operated Unit is used to prevent claims due to slight cracks and scratches after delivery. Conducts inspection with constant pressure loaded, and measures dimensions with an attached scale.











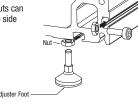




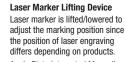




Side and bottom surfaces are grooved for M6 nuts. Nuts can be inserted either from the wheel side or the opposite side to tighten screws and install adjuster feet.



Parallelism Fig.



Angle Plate Integrated Manually Operated Unit is used to prevent tilt of a heavy laser marker when



^{*}Turning force is the force that rotates the handwheel. (See the figure on the right) *Vertical values are those when elevating the table.