Series ACU

Centering Unit

Ø65 , Ø100, Ø130

PAT

- MAXIMIZED SHAFT EXTERNAL DIAMETER, INCREASED TRANSVERSE LOADING-RESISTANCE IN CASE OF TABLE LOCKING
- SINCE IT IS LOCKED AS PISTON IS DESCENDING, NO SHAKING OF TABLE
- RESTRAIN VACUUM GENERATION AT CLUTCH PART DURING LOCKING RELEASING, ENHANCED ORIGINAL POINT RESTORATION
- UPGRADED ASSEMBLY PERFORMANCE AND COMPACT EXTERIOR BY CYLINDER-TUBE INTEGRATED STRUCTURE
- POSSIBLE TO SELECT MATERIALS FOR UPPER TABLE
- SUCTION PORT RESERVED TO FORCIBLY EXHAUST PARTICLE GENERATED INSIDE
- USER CONVENIENCE AND SOLIDITY ORIENTED MECHANICAL STRUCTURE

How to Order

ACU 65 — L A S — (30)

1 2 3 4 5 6

1 Centering (Floating) Unit

2 Internal Diameter and Table Maximum Eccentricity
- 65 : Ø65 (15 mm)
- 100 : Ø100 (20 mm)
- 130 : Ø130 (30 mm)

3 Operating Method
- Blank : Double action standard type (Whole types)
- L : Lock & Lift Type (Only for Ø100 and Ø130)

※ For lock constant releasing type, please contact us.(single specitication)

4 Connection specification
- Blank : Flange attached (Standard type)
- A : Height adjusting type(Only fo Ø65 Type)

5 Table Material Specification
- Blank : Engineering Plastic
- S : Stainless steel

6 Spacer mount specification (Ø65 height adjusting type is not pertinent)
- Blank : Spacer not mounted
- (30) : Spacer height 30
- Standard : 5~100

※ For over 100mm, please contact us.

Product Specifications

Cylinder specifications

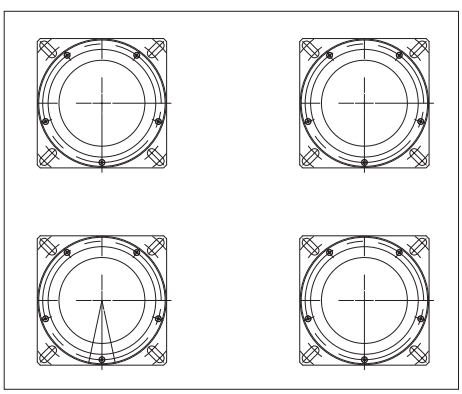
Item	Type			Remark
	Ø65	Ø100	Ø130	
Fluid	Air			
Action	Double/Single Action			Refer to Order Form
Cylinder Tube/Piston Rod Diameter	Ø65 / Ø50	Ø100 / Ø90	Ø130 / Ø120	
Cylinder Stroke	Less than 1mm			
Table Horizontal Stroke (Eccentricity)	15mm	20 mm	30 mm	
Table Max. Portable Load	300 kgf	400 kgf	500 kgf	
Locking Force	About 68 kgf	About 75 kgf	About 98kgf	
Proof Pressure	1.3 Mpa (12.8 kgf/㎠)			
Maximum Operating Pressure	0.87 Mpa (8.5 kgf/㎠)			
Minimum Operating Pressure	0.2 Mpa (2.0 kgf/㎠)			
Ambient and Fluid Temperature	5~60℃			
Stroke Length Tolerance	0 ~ +0.3mm			
Centering Restoration Location (after operating 1 million times)	Diameter ±0.5 in Less			
Lubrication	Non-Lube			
Applied Piston Speed	50~500 mm/sec			

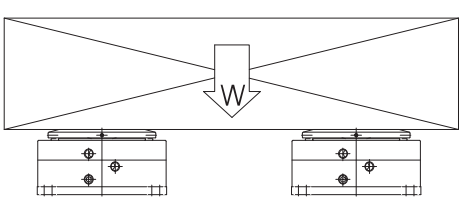
C-Unit Specification Selecting Method

1. Cassette Weight Checking

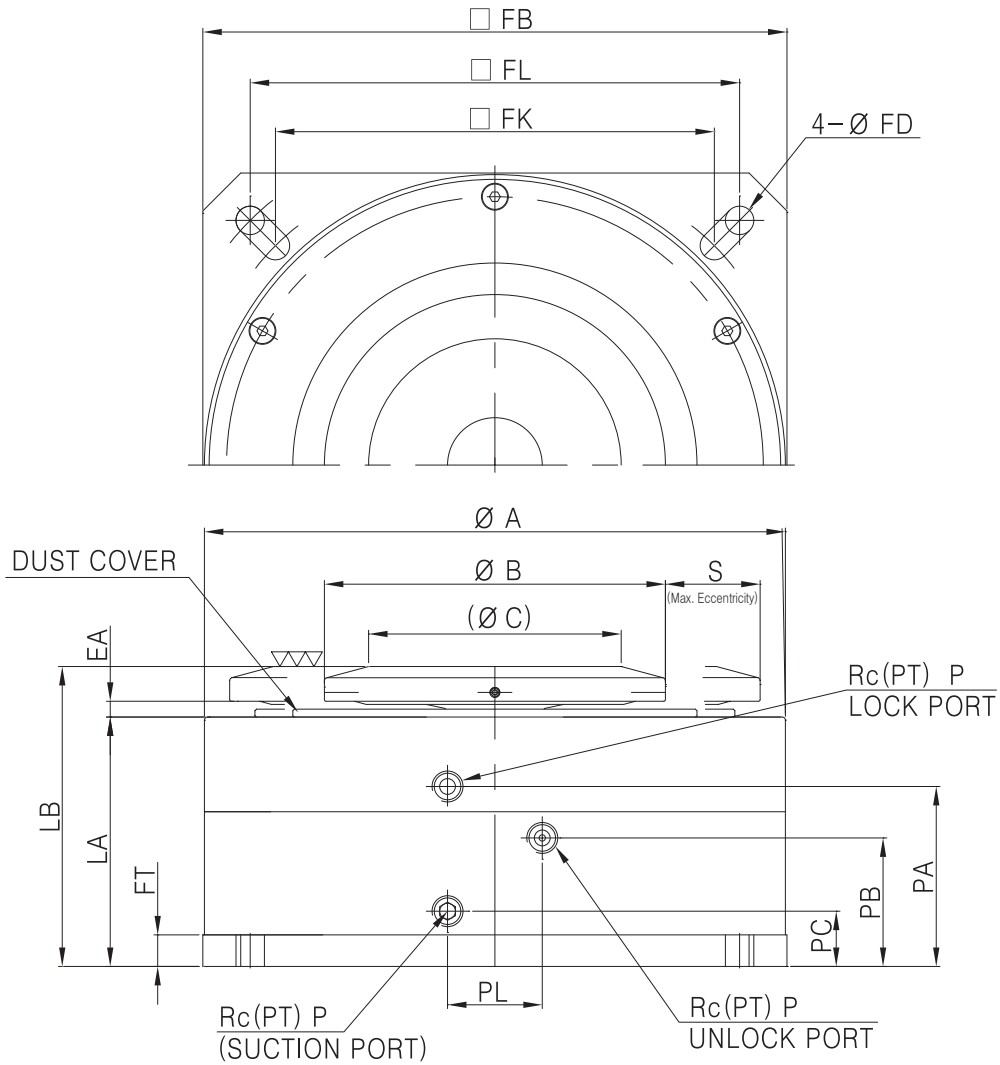
2. C-Unit installation Quantity Checking
   ※ Quantity and interference checking
   ※ Less than 60% of loading rate for total portable load is applied
   Quantity = {Work (glass, etc) included max weight / (Max portable load x 0.6)}

3. C-Unit Selection
   ※ Type selection in consideration of frame deformation in accordance with estimated quantity and distance between C-Units along each machine type.





External Dimension Drawing



Machine Type	S	A	B	C	LA	LB	EA	FT	FK	FL	FB	FD	P	PA	PB	PC	PL
Ø 65	15	99	109	80	56.5	63	0.5	6	–	80	102	7	1/8	38	19.5	–	(25.5)
Ø 100	20	130	109	76	65	66	2.5	8	101	117	131	9	1/8	41.5	28.5	15.5	(27)
Ø 130	30	184	108	80	79	95	5	10	–	155	185	9	1/8	57	40.7	17.5	(30)