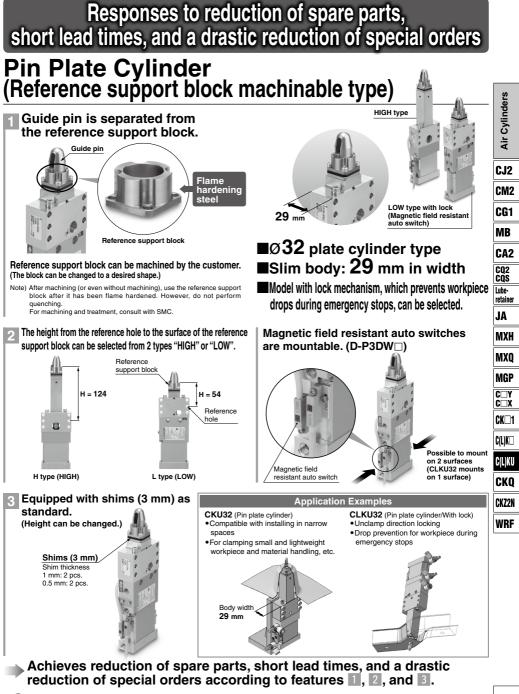
INFORMATION

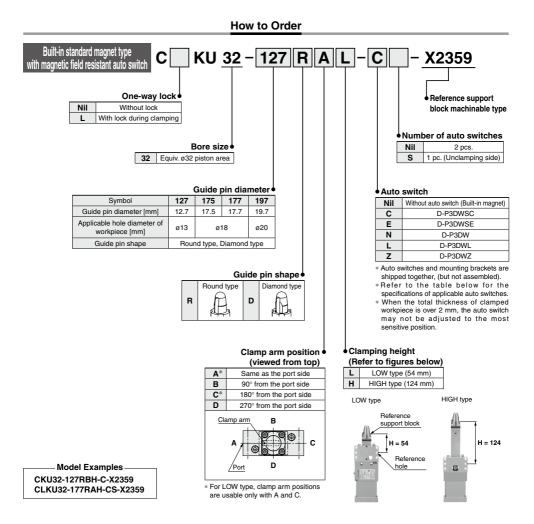


SMC

C(L)KU32-X2359

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Pin Plate Cylinder C(L)KU32-X2359



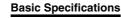
Applicable Auto Switches/Refer to the Best Pneumatics No. 3 for further information on auto switches.

Туре	Auto switch model	Applicable magnetic field	Electrical entry	Indicator light	Wiring (Pin no. in use)	Load voltage	Lead wire length	Applicable load
	D-P3DWSC		Pre-wired		2-wire (3-4)		0.3 m	
Solid state	D-P3DWSE	AC magnetic field	connector	0 color	2-wire (1-4)		0.5 111	Relay.
auto switch	D-P3DW	(Single-phase AC welding		2-color indication		24 VDC	0.5 m	PLC Note)
auto switch	D-P3DWL	magnetic field)	Grommet	indication	2-wire	1	3 m	
	D-P3DWZ	magnetic field/					5 m	

Note) PLC: Programmable Logic Controller



Pin Plate Cylinder C(L)KU32-X2359



Model	C(L)	KU32	
Action	Double acting		
Bore size (mm)	32 equ	uivalent	G
Cylinder stroke/Clamp stroke (mm)	12.5 (Without	workpiece)/10	<u> </u>
Fluid	A	\ir	ğ
Mimimum operating pressure	CKUD: 0.1 MPa	CLKUD: 0.15 MPa*	Ē
Maximum operating pressure	0.7	MPa	Air Cylinders
Ambient and fluid temperature	-10 to 60°C (No freezing)		. <u> </u>
Cushion	None		×
Lubrication	Non-lube		
Piston speed (Clamp speed)	50 to 150) mm/sec	CJ2
Port size (Cylinder port)	Ro	:1/8	UJZ
* Minimum operating pressure is 0.2 MPa when	cylinder part and locking	part use the same piping.	CM2
Lock Specifications			CG1
Model		K1133	MB

Model	CLKU32	
Locking action	Spring locking (Exhaust locking)	-
Unlocking pressure	0.2 MPa	CA2
Lock starting pressure	0.05 MPa	000
Locking direction	Unclamp direction locking	CQ2 CQS
Port size (Lock release port)	Rc1/8	
Holding force (Maximum static load)	402 N	Lube-
		retainer

Clamping Force

							(N)
Model Guide pin diameter			Operating pressure (MPa)				
woder	(mm)	0.2	0.3	0.4	0.5	0.6	0.7
C(L)KU32	ø12.7 to ø19.7	130	195	260	325	390	455
Note 1) It takes approximately 0.3 seconds for the cylinder to operate to generate clamping force							

from an unclamping state (when no speed controller is installed). Design circuit taking into consideration the time before the clamping force is generated. Note 2) Determine the clamping force according to the strength of the workpiece. It can be

damaged if the clamping force is too large. Note 3) Guide pins and clamp arms are consumable items. Please prepare spare parts in case

they are damaged.

Weight

					(g)	G(L)KU
G	uide pin		Mo	del		01/0
Diameter	Shape	CKU32	-X2359	CLKU3	2-X2359	CKQ
(mm)	Shape	LOW type	HIGH type	LOW type	HIGH type	
12.7	Round type	790	960	1000	1170	CKZ2N
12.7	Diamond type	790	900	1000	1170	
17.5	Round type					WRF
17.5	Diamond type					
17.7	Round type	840	1010	1050	1220	
17.7	Diamond type	640	1010	1050	1220	
19.7	Round type					
19.7	Diamond type					



Replacement Parts

(C(L)KU, LOW type/HIGH type common)

Guide Pin Order No.

Gui	de pin	Part no.
Diameter (mm)	Shape	Part no.
12.7	Round type	CKU32-45-530ZL
12.7	Diamond type	CKU32-45-531ZL
17.5	Round type	CKU32-45-694ZL
17.5	Diamond type	CKU32-45-695ZL
17.7	Round type	CKU32-45-532ZL
17.7	Diamond type	CKU32-45-533ZL
19.7	Round type	CKU32-45-534ZL
	Diamond type	CKU32-45-535ZL

Clamp Arm Order No.

Gui	de pin	Part no.
Diameter (mm)	Shape	Fait IIU.
12.7	Devel to me (CKU32-54-530ZL
17.5	Round type/ Diamond type	
17.7	common	CKU32-54-532ZL
19.7	Common	

Reference Support Block Order No.

Gui	de pin	Part no.	
Diameter (mm)	Shape	Part no.	
12.7	Designed to mark	CKU32-36-530ZL	
17.5	Round type/ Diamond type	CKU32-36-532ZL	
17.7	common	CRU32-30-5322L	
19.7	Common	CKU32-36-534ZL	



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JA

MXH MXQ MGP

C Y C

CK $\square1$

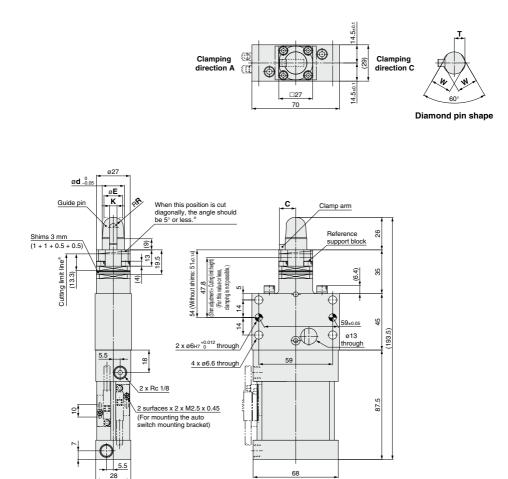
C(L)K

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C(L)KU32-X2359

Dimensions

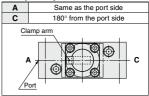
CKU32 (Clamping height LOW type)



* The customer should regulate the dimensional accuracy associated with machining. If the cutting limit line is exceeded because of overmachining, clamping failures, etc. may occur and this is not covered by the warranty.

Pin diameter	С	d	E	к	R	Т	W
12.7	8.5	12.7	10.4	5	5	6	11.6
17.5		17.5	14.8			8.5	16.4
17.7	13	17.7	14.0	6	7.5	0.5	10.4
19.7		19.7	15	1		9.8	16.8

Clamp arm position

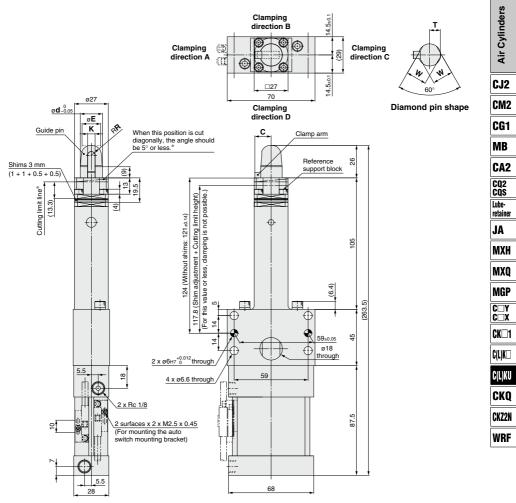


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Pin Plate Cylinder C(L)KU32-X2359

Dimensions

CKU32 (Clamping height HIGH type)

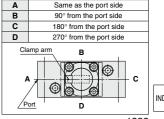


SMC

* The customer should regulate the dimensional accuracy associated with machining. If the cutting limit line is exceeded because of overmachining, clamping failures, etc. may occur and this is not covered by the warranty.

Pin diameter	С	d	E	к	R	Т	w
12.7	8.5	12.7	10.4	5	5	6	11.6
17.5		17.5	14.8			8.5	16.4
17.7	13	17.7	14.0	6	7.5	0.5	10.4
19.7		19.7	15	1		9.8	16.8

Clamp arm position



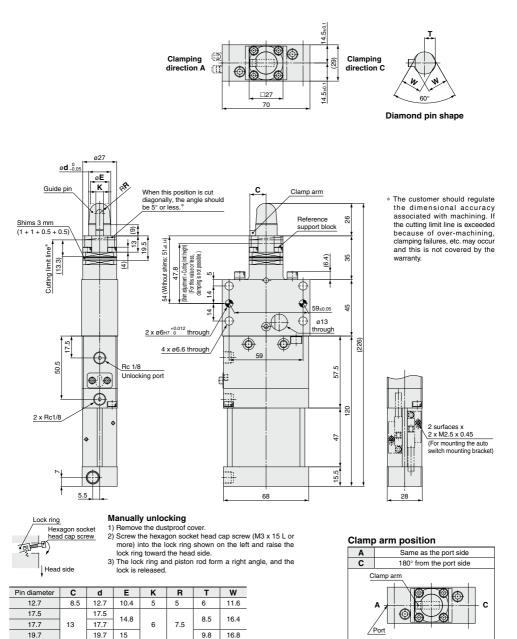
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C(L)KU32-X2359

Dimensions

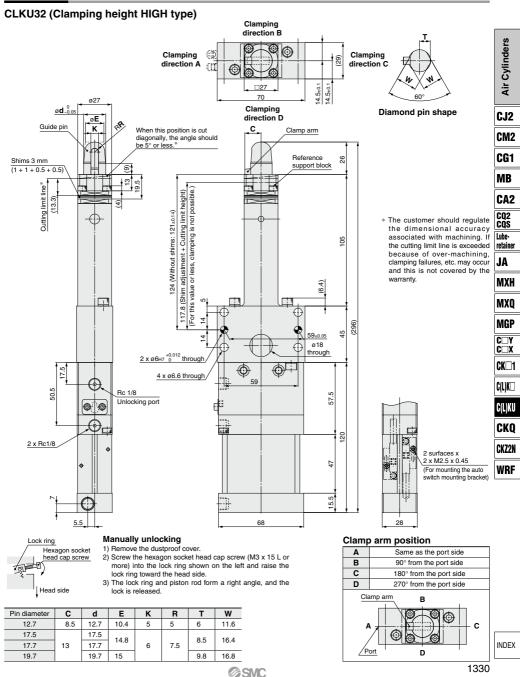
CLKU32 (Clamping height LOW type)



SMC

Pin Plate Cylinder C(L)KU32-X2359

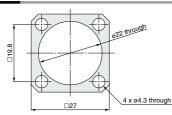
Dimensions



C(L)KU32-X2359 Option/Auto Switch Mounting

Dimensions

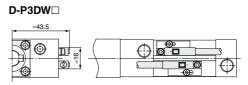
Shim



•Shims can be mounted up to 3 mm.

Description	Plate thickness (mm)	Part no.
Shim A	1	CKQ32-36A746MN
Shim B	0.5	CKQ32-36B746MN

Auto Switch Mounting Height



Auto Switch Mounting Bracket Part No./Mounting Method

Applicable auto switch	D-P3DW
Auto switch mounting bracket part no.	CKU32-42-530ZL-R
Auto switch mounting bracket fitting parts lineup/Weight	Hexagon socket head cap screw (M2.5 x 9 L) Auto switch mounting bracket Weight: 4 g
	Surfaces with auto switch mounting slot
Auto switch mounting surfaces	Without lock With lock
Mounting of auto switch	 The hexagon socket head cap screw attached to the auto switch is not required. Turn to loosen and remove. This procedure is only for auto switches that are ordered separately. Hexagon socket head cap screws are removed when auto switches are shipped together with cylinder. Fix the auto switch and the auto switch mounting bracket with the hexagon socket head cap screw (M2.5 x 9 L) shipped together with the auto switch mounting bracket. Check the detecting position of the auto switch by sliding it along the cylinder tube rib, before fixing the auto switch on the cylinder tube hreaded portion by inserting the hexagon socket head cap screw (M2.5 x 9 L) into the long hole of the auto switch mounting bracket. Note) The tightening torque for the hexagon socket head cap screw (M2.5 x 9 L) is 0.2 to 0.3 N·m. Hexagon socket head cap screw with auto switch mounting bracket. Long hole of auto switch mounting bracket Check trube rib, before fusing the option by the setting the hexagon socket attached to auto switch mounting bracket Cong hole of auto switch mounting bracket Cylinder tube rib