

# Pin Clamp Cylinder

## High-Hardness Type Guide Pin

ø50

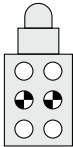
RoHS

**30% increase in guide pin material hardness**

Existing model (C(L)KQ□50)

- A high-hardness guide pin ideal for dealing with high-strength material workpieces
- The specifications, mounting, and external dimensions are interchangeable with the existing model (C(L)KQ□50).

### Specifications

Body shape	D series (Mounting tap: 4 x M10 x 1.5 Pin hole: 2 x ø8H7)	
Guide pin shape	Round type	
Guide pin diameter	155 to 300 (25 sizes)	
Shim	With shims	



- Interchangeable with guide pins of the existing model

It is possible to exchange only the guide pin.

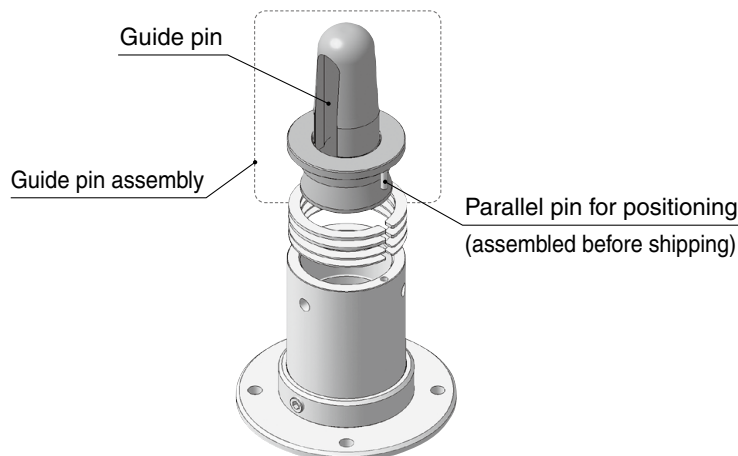


Table 1. Guide Pin Diameter

Guide pin diameter [mm]	Symbol
15.5	155
15.7	157
15.8	158
15.9	159
16.0	160
17.5	175
17.7	177
17.8	178
17.9	179
18.0	180
19.5	195
19.7	197
19.8	198
19.9	199
20.0	200
24.5	245
24.7	247
24.8	248
24.9	249
25.0	250
29.5	295
29.7	297
29.8	298
29.9	299
30.0	300

### How to Order Guide Pin

**CKQG-R 248 S-X3256**

● Guide pin diameter  
Refer to the symbols in Table 1.

● High-hardness type guide pin

**C(L)KQ□D-X3256**



20-E753

# C(L)KQ□D-X3256

## How to Order



**Built-in standard magnet** C □ KQG D A 50 □ - 177 R A L S Z - P3DWASC □ - X3256

**Built-in strong magnet** C □ KQP D A 50 □ - 198 R A L S - P79WSE □ - X3256

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

High-hardness type guide pin

### ① With lock on the clamp side

Nil	Without lock
L	With lock

### ② Body shape

Symbol	Dimension	Mounting hole (tap, pin hole) arrangement		Mounting	Mounting surface (viewed from top)
D	□66		○: Mounting tap ●: Pin hole	Mounting tap: 4 x M10 x 1.5 Pin hole: 2 x ø8H7	

### ③ Mounting surface position (viewed from top)

Symbol	Port location
A	
B	

### ④ Bore size

50	50 mm
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### ⑤ Port thread type

Nil	Rc
TN	NPT
TF	G

### ⑥ Guide pin diameter

\* For guide pin diameter, refer to Table 1 below.

### ⑦ Guide pin shape

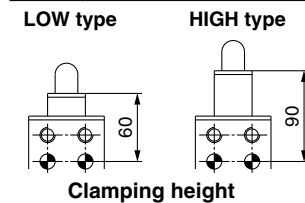
R	Round type
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### ⑧ Clamp arm position (clockwise viewed from top)

A		C	
B		D	

### ⑨ Clamping height (Refer to the figure below.)

L	LOW type (60 mm)
H	HIGH type (90 mm)



### ⑩ Shim

S	With 3 mm shims*1
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\*1 A total shim height of 3 mm consists of 2 shims with a thickness of 1 mm each and 2 shims with a thickness of 0.5 mm each.

### ⑪ Auto switch type

\* Applicable auto switch models are the same as those for the standard.

### ⑫ Number of auto switches

Nil	2 pcs.
S	1 pc. (Unclamp side)

\* The D-P7 type is different-surface mounting.

Table 1. Guide Pin Diameter

Symbol	155	157	158	159	160	175	177	178	179	180	195	197	198	199	200	245	247	248	249	250	295	297	298	299	300
Guide pin diameter	15.5	15.7	15.8	15.9	16.0	17.5	17.7	17.8	17.9	18.0	19.5	19.7	19.8	19.9	20.0	24.5	24.7	24.8	24.9	25.0	29.5	29.7	29.8	29.9	30.0
Applicable hole diameter of workpiece	For ø16				For ø18				For ø20				For ø25				For ø30								

**⚠ Safety Instructions** Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.