NEW

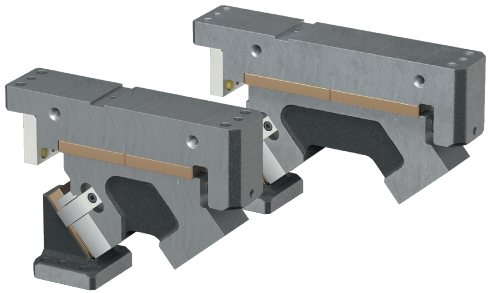
# LONG BODY CAM

## Panel Avoidance Cam

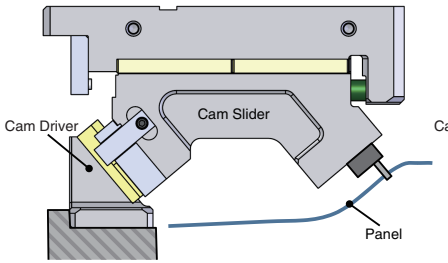
### OUTLINE OF SACLB·SACMB

**Easier to work on hard-to-reach areas**

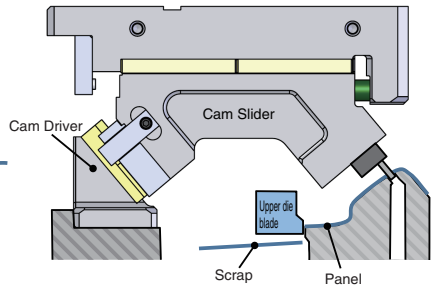
- Long reach of cam slider avoids any contact with panel being processed
- Reduced processing time due to less space limitations
- Sufficient space for scrap removal
- Easier disassembly of Cam Slider
- Selectable Cam Slider length



### ■Application Example




The long reach of Cam Slider and the Cam Driver attached outside of the panel enable the greater processing area to be machined.



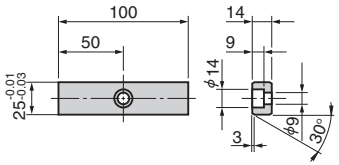

An increased layout can be realized with external trimming allowing sufficient space for scrap removal.

### ■Option

● **Key specification (−K)**

**SACLB80·SACMB80**

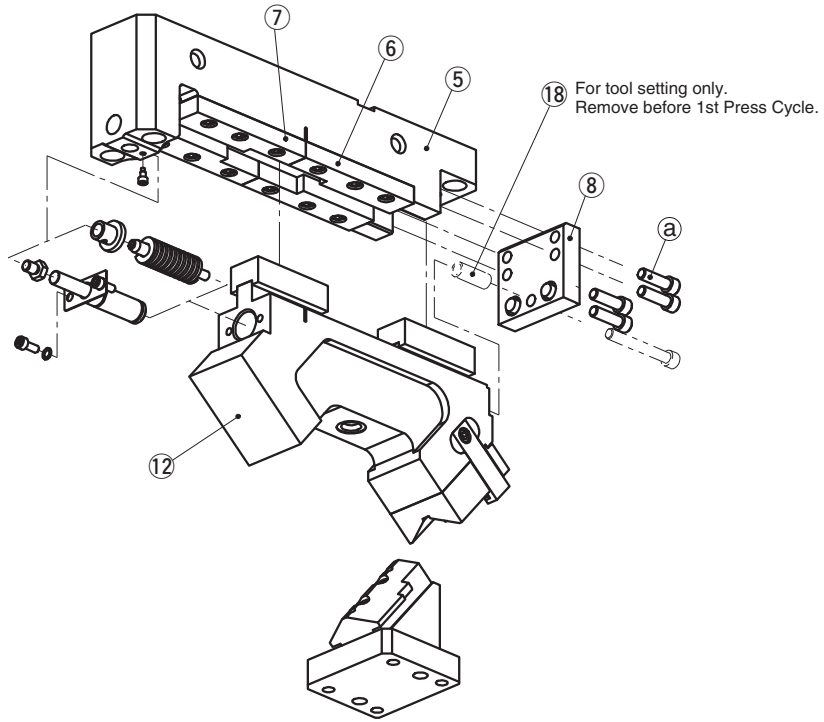
LKU25-100 (with 1-M8x15 bolt)








### ■Assembly Instructions




● Disassembly

1) Remove the Hexagonal Socket Head Bolts (ⓐ) to pull out the Stopper Plate (⑧).
2) Slide the Cam Slider (⑫) back to the corresponding notch placed between ⑥ and ⑦.
3) Pull up the Cam Slider (⑫) from the Cam Holder (⑤).

● Assembly

Assembly is the reverse procedure of disassembly.

NOTE・Ensure that all parts are clean, particularly the sliding components to which a small amount of grease is applied and is then placed in position.
・Take care that the respective tolerances are observed when assembling the Cam Slider and Cam Holder, which also should be identified by the same serial number.
・Make sure that all bolts are tighten to the recommended torque after assembly and disassembly.

Gas Spring

Please contact your local sales representative if you prefer to use a gas spring not specified in our catalog. For use and maintenance of gas spring, please contact the manufacturer directly.

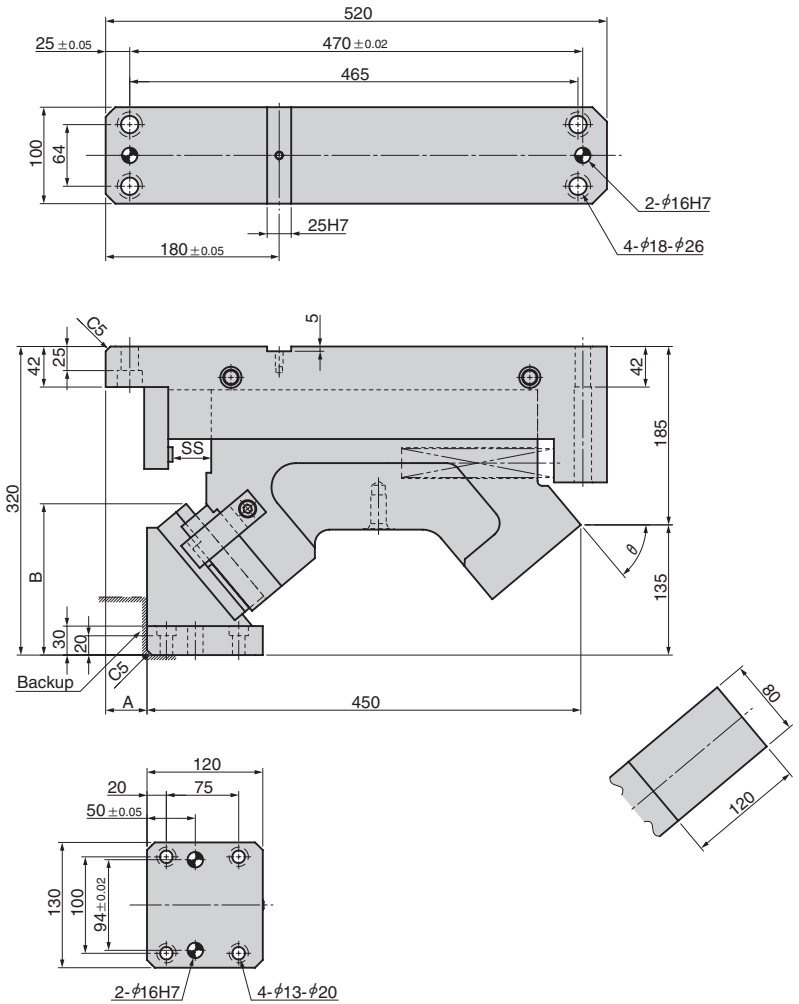
# LONG BODY CAM

## Panel Avoidance Cam

### AERIAL CAM UNIT

**SACLB80**

CAD FILE




| Working Force [kN (tonf)] 1,000,000 strokes | Catalog No. | W | θ | Spring Type PS |
|---|---|---|---|---|
| 58.8 (6.0) | SACLB | 80 | 50～80 (5-degree increments) | No Code (Coil Spring) |
| | | | | GK NGK |
| | | | | GD NGD |

No Code:Coil Spring GK:Gas Spring (KALLER) GD:Gas Spring (DADCO)
NGK/NGD:Without Gas Spring Parts for spring assembly are included.

**Order**

| Catalog No. | W | – | θ | – | PS | – | Option |
|---|---|---|---|---|---|---|---|
| SACLB | 80 | – | 50 | | | | |
| SACLB | 80 | – | 50 | – | GK | – | NF – K |

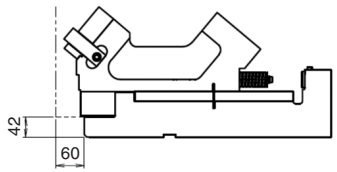
**Option**

| Option Code | Specification |
|---|---|
| NF | Nitrogen gas not charged. |
| K | Key attached. |

Refer to page 1 for key specification.

| θ | SS | A | B |
|---|---|---|---|
| 50 | | 43 | 156.8 |
| 55 | 40 | 38 | 160.8 |
| 60 | | 33 | 163.8 |
| 65 | 34 | 21 | 167.8 |
| 70 | 28 | 10 | 168.8 |
| 75 | 21 | 5 | 170.8 |
| 80 | 14 | 0 | 169.9 |

### ■Rear Removal Space




### ■Spring force

● Coil Spring specification

| θ | Stroke SS | Initial Load N | Initial Load kgf | Final Load N | Final Load kgf | Model Spring |
|---|---|---|---|---|---|---|
| 50 | | | | | | |
| 55 | 40 | 440.7 | 45.0 | 2644.3 | 269.8 | TH30-200 |
| 60 | | | | | | |
| 65 | 34 | 503.7 | 51.4 | | | TH30-175 |
| 70 | 28 | 587.7 | 60.0 | 2644.6 | 269.9 | TH30-150 |
| 75 | 21 | 330.6 | 33.7 | | | TH30-100 |
| 80 | 14 | 587.6 | 60.0 | 2644.4 | 269.8 | TH30-75 |

*Coil Spring life expectancy is approx. 300,000 cycles.

● Gas Spring specification

| Final Load N | Final Load kgf | Model Spring GK | Model Spring GD |
|---|---|---|---|
| | | | |
| 2532.0 | 258.4 | X320-50 | U.0325.050 |
| | | | |
| 2416.0 | 246.5 | | |
| 2465.0 | 251.5 | X320-38 | U.0325.038 |
| 2551.0 | 260.3 | X320-25 | U.0325.025 |
| 2439.0 | 248.9 | X320-19 | U.0325.019 |

*Gas filling pressure is 10 MPa.

Refer to page 8 for parts list.

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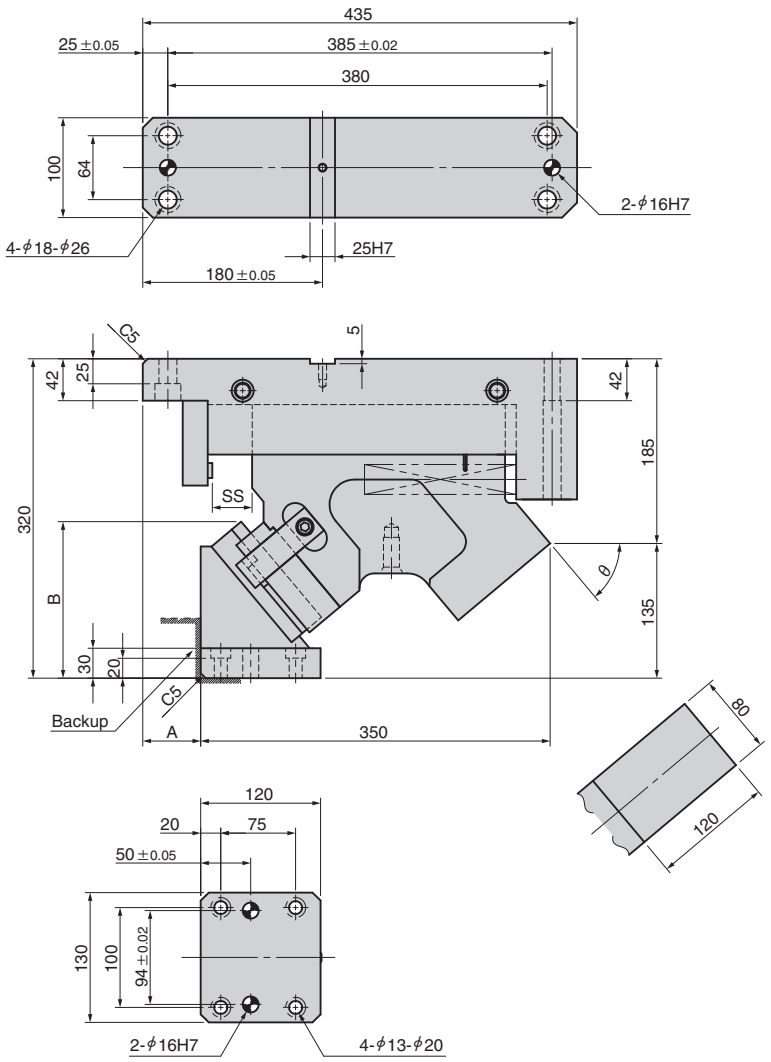
## Panel Avoidance Cam

### AERIAL CAM UNIT

**SACMB80**

CAD FILE




| Working Force [kN (tonf)] 1,000,000 strokes | Catalog No. | W | θ | Spring Type PS |
|---|---|---|---|---|
| 58.8 (6.0) | SACMB | 80 | 50～80 (5-degree increments) | No Code (Coil Spring) |
| | | | | GK NGK |
| | | | | GD NGD |

No Code:Coil Spring GK:Gas Spring (KALLER) GD:Gas Spring (DADCO)
NGK/NGD:Without Gas Spring Parts for spring assembly are included.

Order

| Catalog No. | W | – | θ | – | PS | – | Option |
|---|---|---|---|---|---|---|---|
| SACMB | 80 | – | 50 | | | | |
| SACMB | 80 | – | 50 | – | GK | – | NF – K |

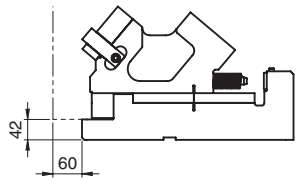
Option

| Option Code | Specification |
|---|---|
| NF | Nitrogen gas not charged. |
| K | Key attached. |

Refer to page 1 for key specification.

| θ | SS | A | B |
|---|---|---|---|
| 50 | | 58 | 156.8 |
| 55 | 40 | 53 | 160.8 |
| 60 | | 48 | 163.8 |
| 65 | 34 | 36 | 167.8 |
| 70 | 28 | 25 | 168.8 |
| 75 | 21 | 20 | 170.8 |
| 80 | 14 | 15 | 169.9 |

### ■Rear Removal Space




### ■Spring force

● Coil Spring specification

| θ | Stroke SS | Initial Load N | Initial Load kgf | Final Load N | Final Load kgf | Model Spring |
|---|---|---|---|---|---|---|
| 50 | | | | | | |
| 55 | 40 | 440.7 | 45.0 | 2644.3 | 269.8 | TH30-200 |
| 60 | | | | | | |
| 65 | 34 | 503.7 | 51.4 | | | TH30-175 |
| 70 | 28 | 587.7 | 60.0 | 2644.6 | 269.9 | TH30-150 |
| 75 | 21 | 330.6 | 33.7 | | | TH30-100 |
| 80 | 14 | 587.6 | 60.0 | 2644.4 | 269.8 | TH30-75 |

*Coil Spring life expectancy is approx. 300,000 cycles.

● Gas Spring specification

| Final Load N | Final Load kgf | Model Spring GK | Model Spring GD |
|---|---|---|---|
| | | | |
| 2624.0 | 267.8 | M2-50-Yellow | C.180.050.YW |
| | | | |
| 2528.0 | 258.0 | | |
| 2564.2 | 261.7 | M2-38.1-Yellow | C.180.038.YW |
| 2416.8 | 246.6 | | |
| 2416.0 | 246.5 | M2-25-Yellow | C.180.025.YW |

*Gas filling pressure is 18 MPa.

Refer to page 8 for parts list.

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# LONG BODY CAM

## Panel Avoidance Cam

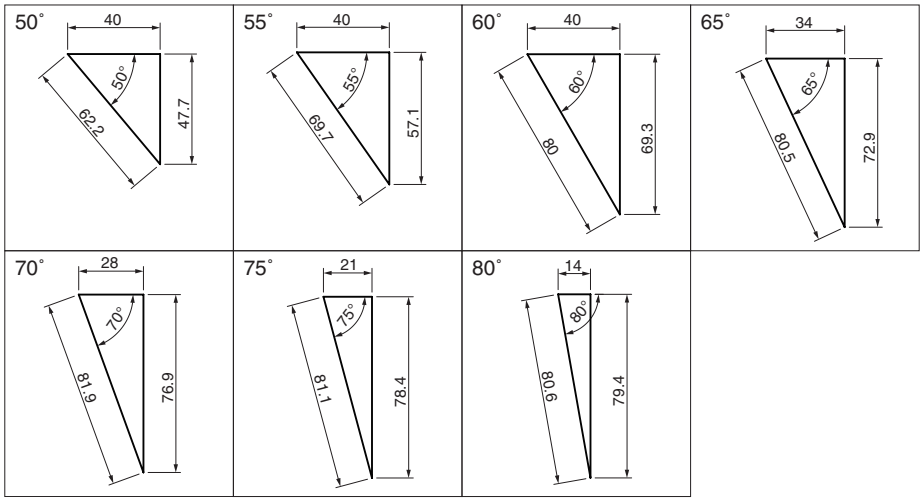
### AERIAL CAM UNIT

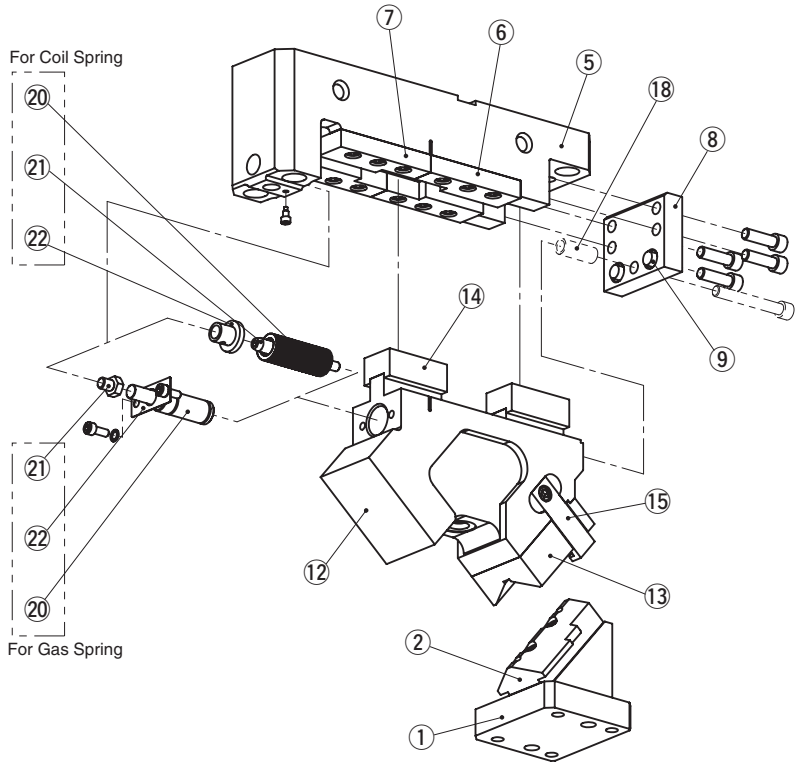
**SACLB·SACMB**

### ■Weight

| θ | Cam Slider weight kg | | Total weight kg | |
|---|---|---|---|---|
| | SACLB | SACMB | SACLB | SACMB |
| 50 | 26.4 | 21.5 | 62.7 | 52.8 |
| 55 | 25.9 | 21.2 | 62.3 | 52.7 |
| 60 | 25.6 | 20.8 | 62.3 | 52.6 |
| 65 | 25.3 | 20.6 | 62.4 | 52.7 |
| 70 | 25.3 | 20.7 | 62.5 | 53.0 |
| 75 | 25.1 | 20.3 | 62.7 | 52.9 |
| 80 | 25.0 | 20.1 | 62.9 | 53.0 |

### ■Cam Diagram




| No. | Description | Qty |
|---|---|---|
| 1 | Cam Driver | 1 |
| 2 | Cam Bottom Slide Plate | 1 |
| 5 | Cam Holder | 1 |
| 6 | Cam Upper Plate A | 2 |
| 7 | Cam Upper Plate B | 2 |
| 8 | Stopper Plate | 1 |
| 9 | Urethane Stopper | 2 |
| 12 | Cam Slider | 1 |
| 13 | Cam Bottom Guide Plate | 1 |

| No. | Description | Qty |
|---|---|---|
| 14 | Cam Lower Slider | 2 |
| 15 | Positive Return | 2 |
| 18 | Collar | 1 |
| 20 | Coil Spring | 1 |
| 21 | Spring Guide Pin | 1 |
| 22 | Spring Guide Washer | 1 |
| 20 | Gas Spring | 1 |
| 21 | Stop Pin | 1 |
| 22 | Spring Stopper | 1 |

Bolts,dowel pins and washers for assembly are not indicated.