

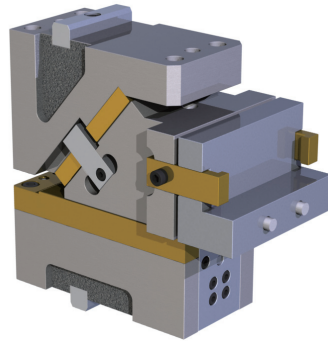
NEW

Die Mounted Cam Unit SDCHL [Overview]

Burr Reduction Cam Unit

Product Information

- Mount face width 170 mm.
- Ease of assembly with exposed cam slider.
- Developed for High Tensile Material Applications.
- High rigidity by new structure.
- Gas spring.

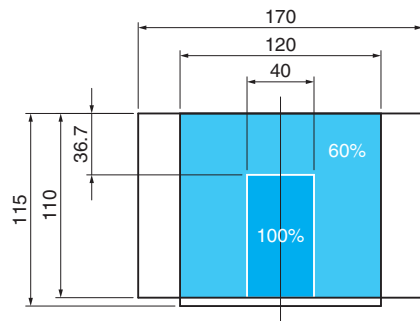


Cam Pad installation image

Working Force Distribution Diagram

The working forces indicated in the mount face distribution diagram are reached by putting the tooling center of gravity within each area for the following pictures.

Working force (kN) allowed for up to 1,000,000 strokes.



Do not use for restriking.

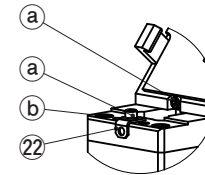
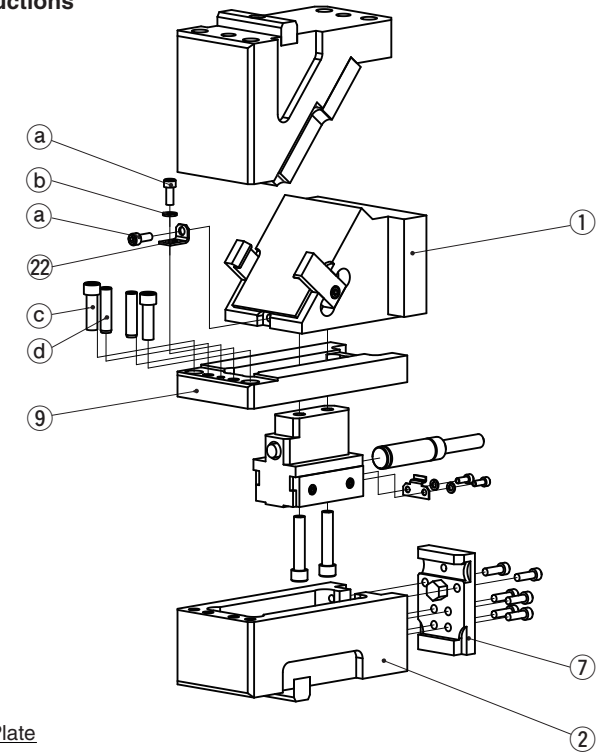
The cam unit would break.

For Pierce

For Trim

For Flange

SDCHL Assembly Instructions



How to Store Locking Plate

Disassembly

- 1) Fasten Cam Slider (1), and Base Plate (9) with Locking Plate (22), Hexagon Socket Head Bolt (a), and Washer (b).
- 2) Remove Hexagon Socket Head Bolt (c) and Dowel Pin (d), and slide to the rear for 15 mm until Base Plate (9) and Cam Slider (1) are unhooked from Plate (7).
- 3) Pull up Cam Slider with Base Plate from Cam Holder (2).

Assembly

Assembly is the reverse procedure of disassembly.

- Ensure that all parts are clean, particularly the sliding components to which a small amount of lubricant is applied and is then placed in position.
- Take care that the respective tolerances are observed when assembling 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.

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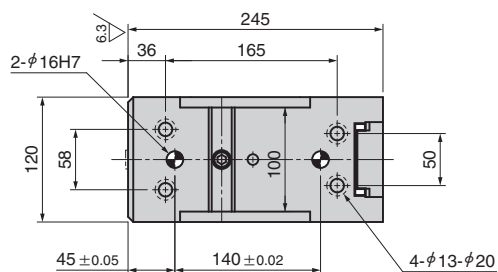
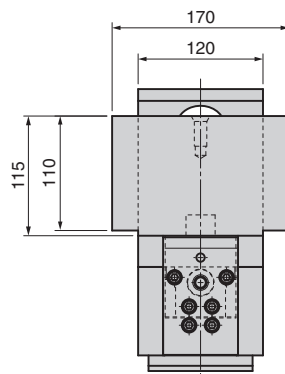
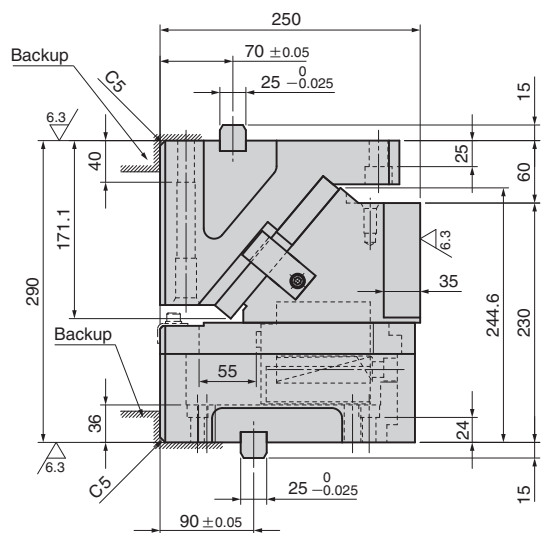
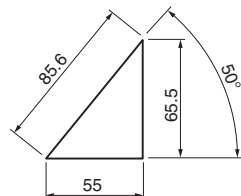
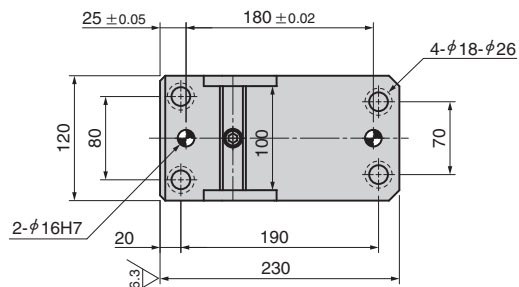
Die Mounted Cam Unit

For Pierce For Trim For Flange

SDCHL170-00-55

CAD FILE

● Cam Diagram



If you do not use the position setting key to the cam unit, backup height 20 mm or more is recommended on Cam Driver and Holder.

Refer to page 605 for Table of Components.

Working Force kN (tonf) 1,000,000 strokes	Spring Force N (kgf)		Total Weight kg	Cam Slider Weight kg	Catalog No.	W	θ	Travel S	Spring Type PS
	Initial Load	Final Load							
98.0 (10.0)	—	4966.7 (506.8)	54.9	17.4	SDCHL	170	00	55	GK NGK
	—	4844.1 (494.3)							GD NGD

GK: Gas Spring (KALLER) GD: Gas Spring (DADCO)
NGK/NGD: Without Gas Spring Parts for spring assembly are included.

Order **SDCHL** **170** - **00** - **55** - **GK** - **NF**

Angles above 0° upon request.

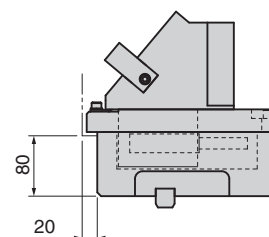
Option Code	Specification
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
19	GK	X320-63	1	Gas Spring (KALLER)
	GD	U.0325.063.TO.180	1	Gas Spring (DADCO)

Gas filling pressure: 18 MPa

Rear Removal Space



NEW

SDCHL [Table of Components]

Burr Reduction Cam Unit

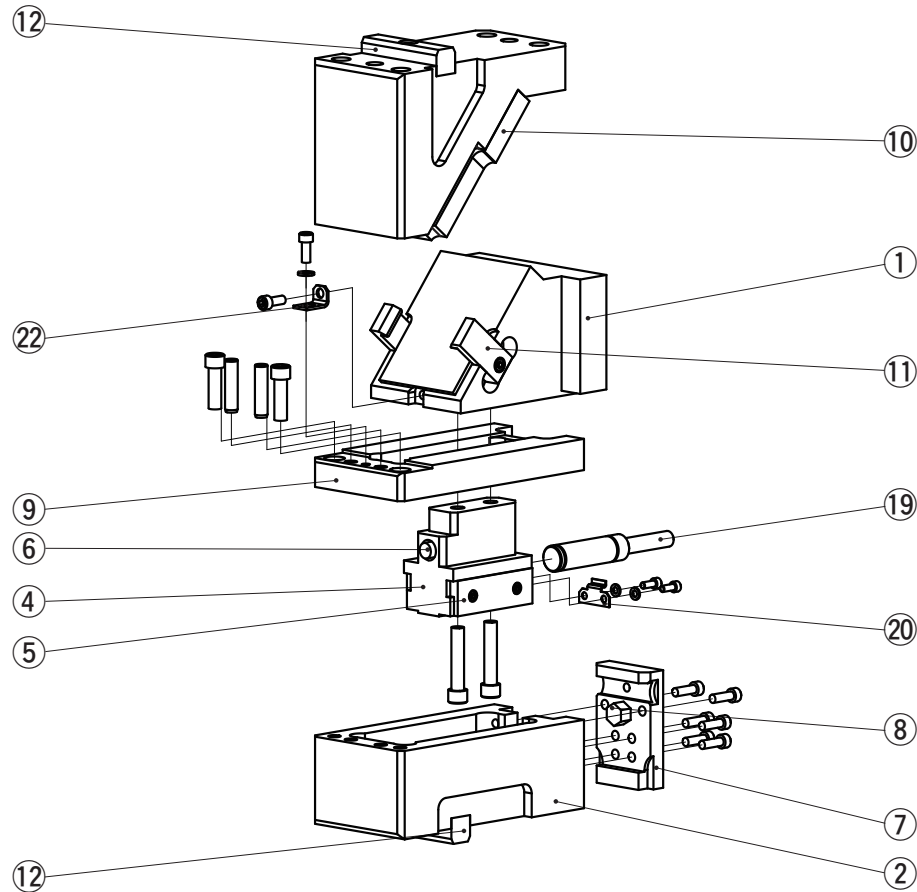
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SDCHL170



No.	Description	Qty
1	Cam Slider	1
2	Cam Holder	1
3	Cam Driver	1
4	Cam Lower Slider	1
5	Slide Plate	2
6	Stopper	1
7	Plate	1
8	Stop Pin	1
9	Base Plate	1
10	Driver Plate	1
11	Positive Return Plate	2
12	Key	2
19	Gas Spring	1
20	Spring Stopper	1
22	Locking Plate	1

Bolts, nuts, dowels, and washers for assembly are not indicated.