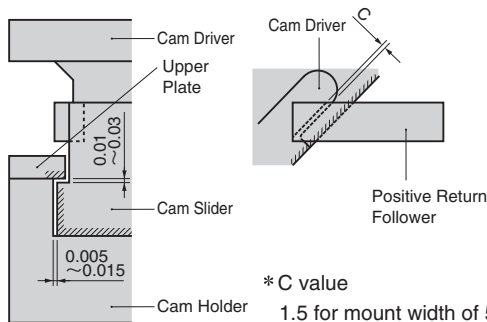


- Universal die mounted type.
- Sliding type with highly rigid box guide.
- 52, 65, 100, 150, 200, 250, 300 to 600 (at increments of 100 mm) are available for the mount width.
- Available angle is 0° to 20° at increments of 5° (65 to 150 width).

### Slide Structure and Positive Return Structure



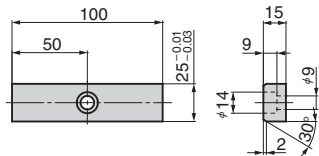
\* C value

- 1.5 for mount width of 52 and 65
- 2.0 for mount width of 100 or more

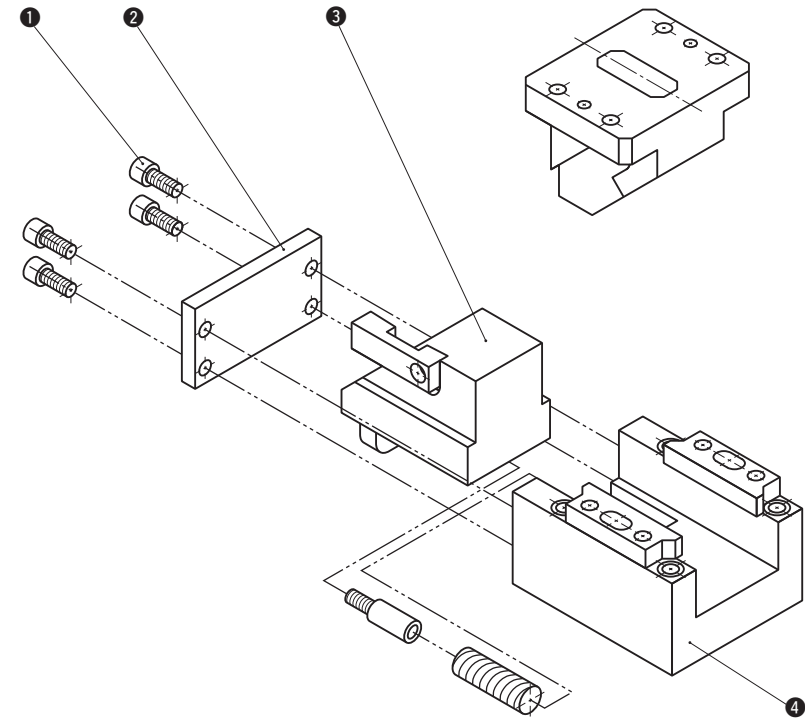
\* Oilless Ssystem at Hatched Area

### Option of SKC/SKCA

- Key specification (-K)  
Key details (1 off with M8 × 20 bolt)  
SKC/SKCA 400/500/600



### SKC/SKCA52 to 300 Structure and Assembly / Disassembly



#### Disassembly method of SKC/SKCA

- 1) Remove hexagon socket head bolt (1) and stopper (backup) plate (2).
- 2) Pull and remove cam slider (3) to the rear.

#### Assembly method of SKC/SKCA

- 1) Assemble components in the reverse order of disassembly.
  - Make sure that there is no foreign matter on the sliding area and assemble components.
  - The clearance between the cam slider and cam holder (4) is controlled. Match the stamped serial number on the holder and slider before assembly.
  - When cam is disassembled and then reassembled, please do not forget to assemble all bolts provided

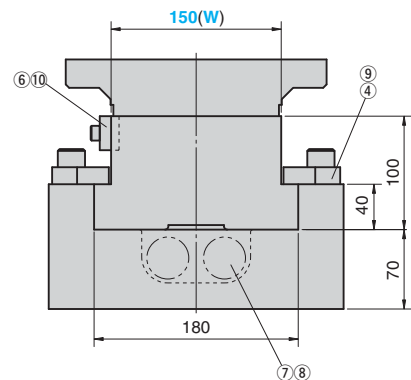
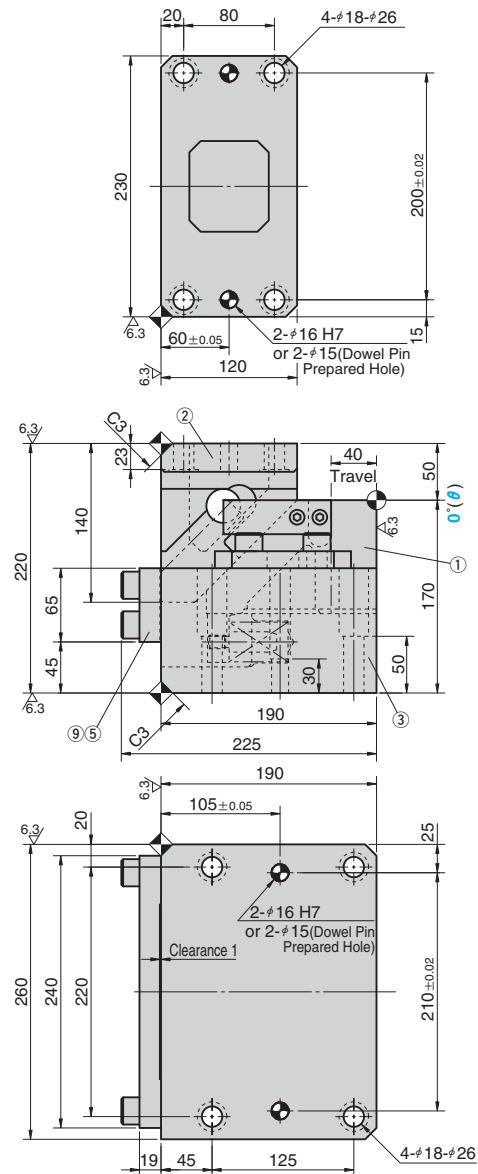
# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

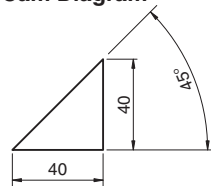
CAD FILE

SKCA150 - 00 - 40 (Dowel Pin Hole Finished)  
SKC 150 - 00 - 40 (Dowel Pin Prepared Hole)

⚠ Tolerance are from dowel pin finished hole.



### Cam Diagram



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
58.8 (6.0)	88.2 (9.0)	307.2 (31.4)	1843.2 (188.2)	14.3	63.0	SKCA SKC	150	00	40



Order

Catalog No. (W) - (θ) - S  
SKCA 150 - 00 - 40



Option

Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

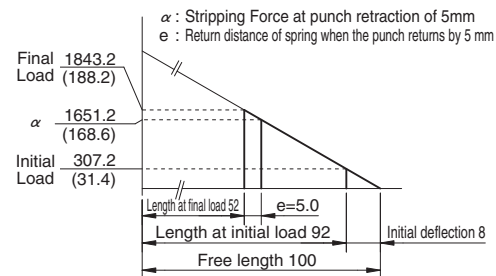
### Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	1	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-100
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×30

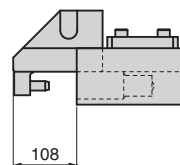
### Spring Diagram

(Stripping Force at punch retraction of 5mm)

- Spring used TF35-100 (2 pieces)
- Spring constant 19.2N/mm(1.96kgf/mm)



### Space for removing



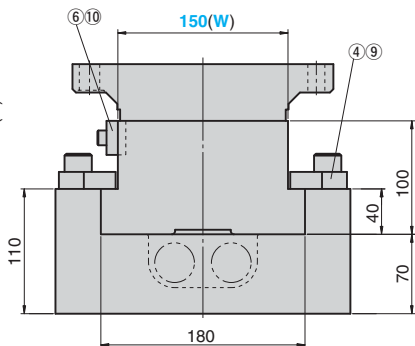
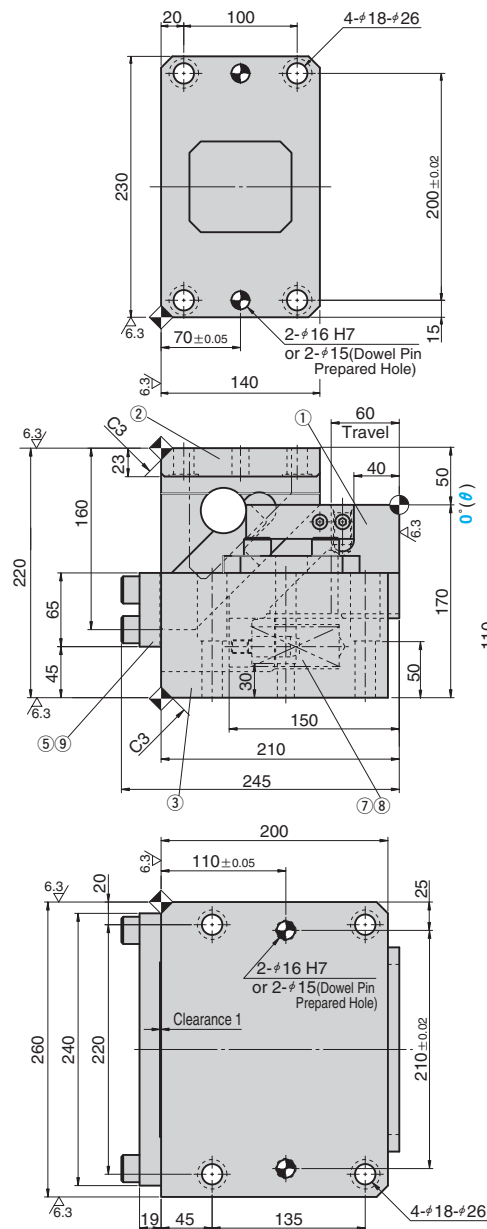
# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

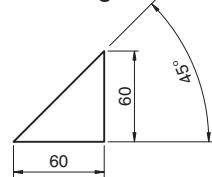
CAD FILE

SKCA150-00-60 (Dowel Pin Hole Finished)  
SKC 150-00-60 (Dowel Pin Prepared Hole)

⚠ Tolerance are from dowel pin finished hole.



Cam Diagram



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
58.8 (6.0)	88.2 (9.0)	330.2 (33.8)	1854.2 (189.8)	14.3	69.0	SKCA SKC	150	00	60



Order

Catalog No. (W) - (θ) - S  
SKCA 150 - 00 - 60



Option

Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

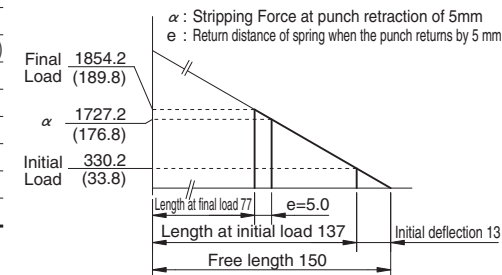
Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	1	S45C(1045)
⑦	Spring Guide Pin	2	#18×60
⑧	Coil Spring	2	TF35-150
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×30

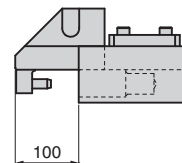
Spring Diagram

(Stripping Force at punch retraction of 5mm)

- Spring used TF35-150(2 pieces)
- Spring constant 12.7N/mm(1.30kgf/mm)



Space for removing

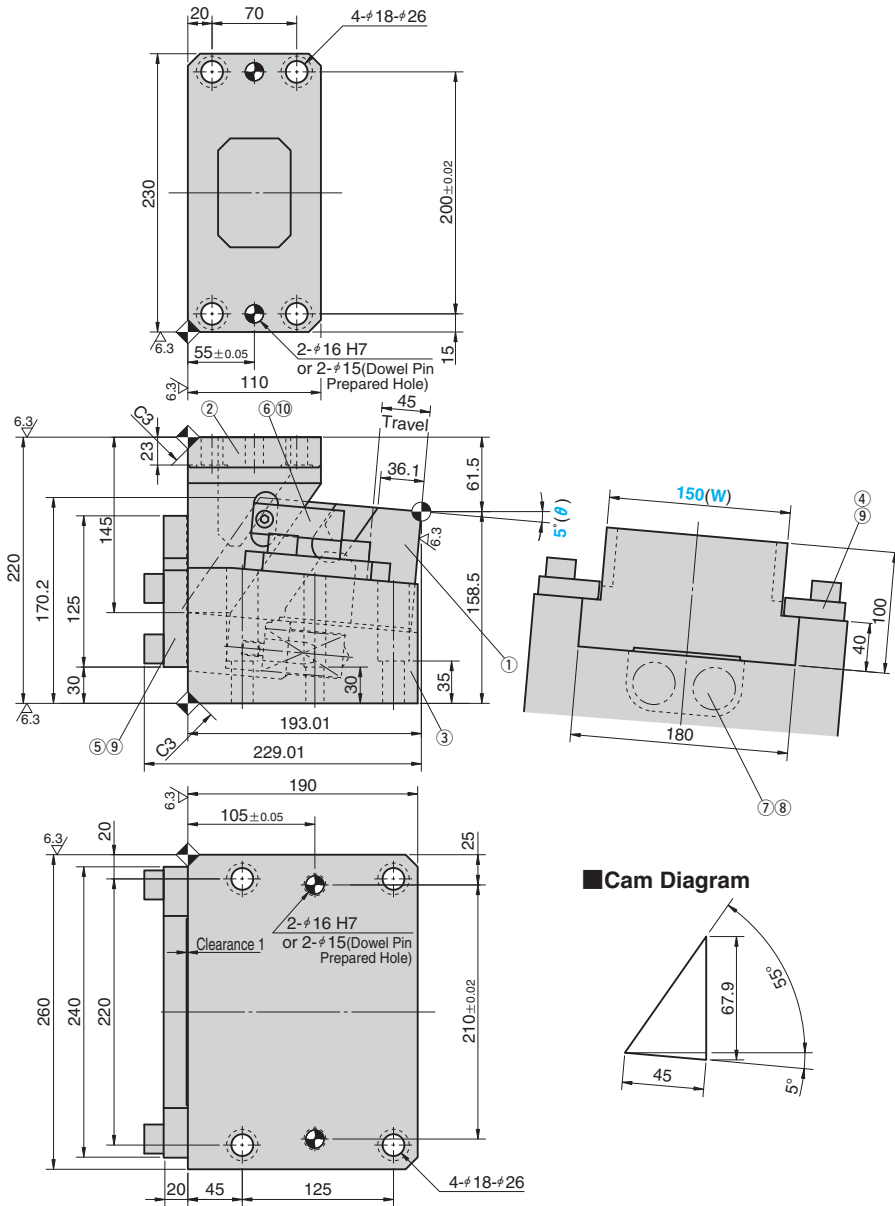


# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

CAD FILE

SKCA150 - 05 - 45 (Dowel Pin Hole Finished) ▲ Tolerance are from dowel pin finished hole.  
 SKC 150 - 05 - 45 (Dowel Pin Prepared Hole)



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1805.4 (184.1)	16.0	62.0	SKCA SKC	150	05	45

Order Catalog No. (W) - (θ) - S  
 SKCA 150 - 05 - 45

Option Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

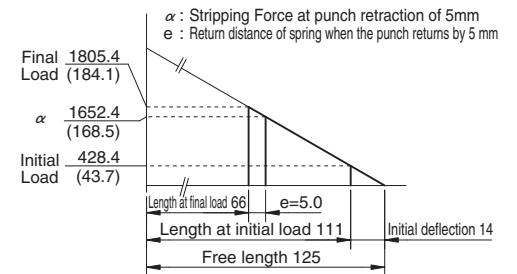
Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	2	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-125
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×25

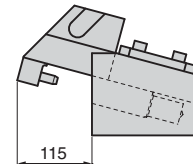
Spring Diagram

(Stripping Force at punch retraction of 5mm)

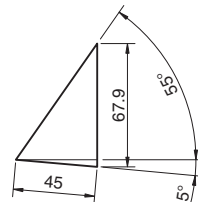
- Spring used TF35-125(2 pieces)
- Spring constant 15.3N/mm(1.56kgf/mm)



Space for removing



Cam Diagram



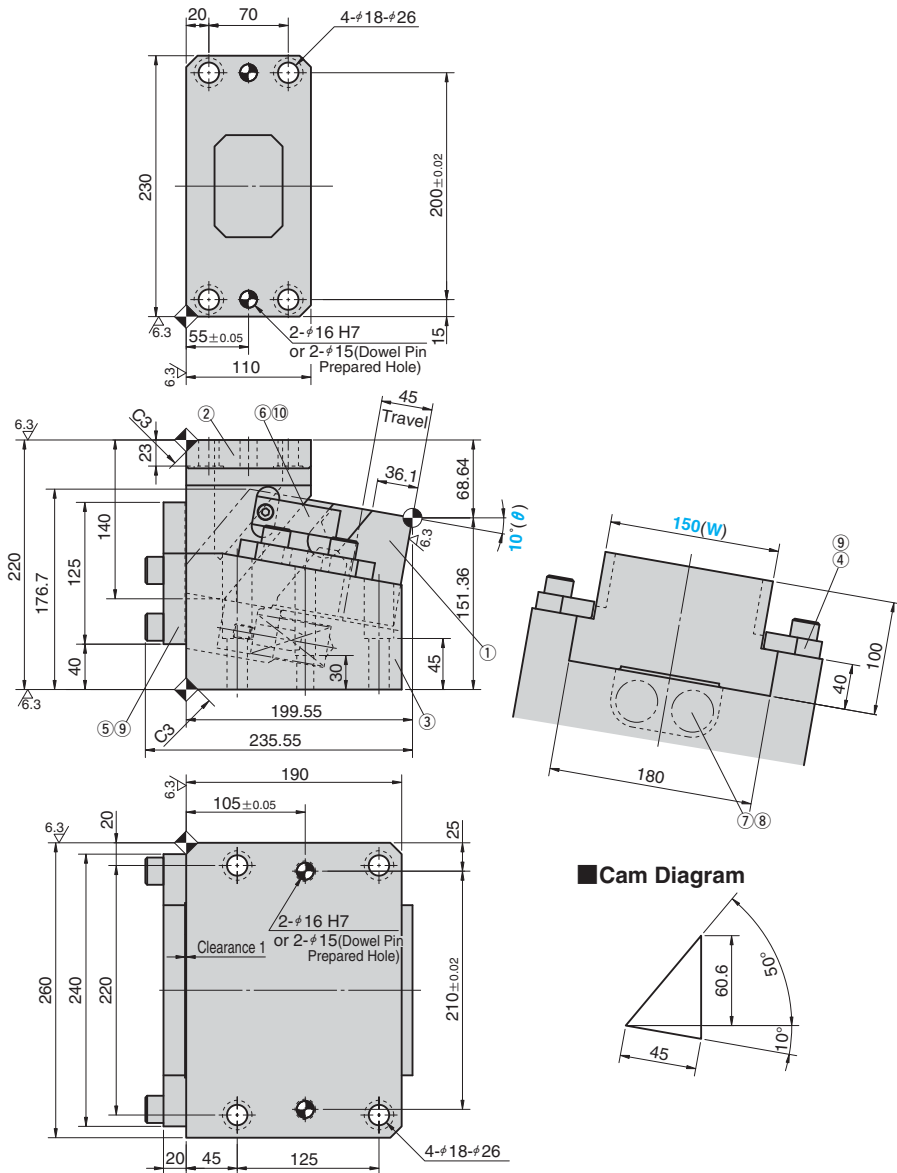


# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

CAD FILE

SKCA150 - 10 - 45 (Dowel Pin Hole Finished) ▲ Tolerance are from dowel pin finished hole.  
 SKC 150 - 10 - 45 (Dowel Pin Prepared Hole)



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1805.4 (184.1)	16.0	63.0	SKCA SKC	150	10	45

Order Catalog No. (W) - (θ) - S  
 SKCA 150 - 10 - 45

Option Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

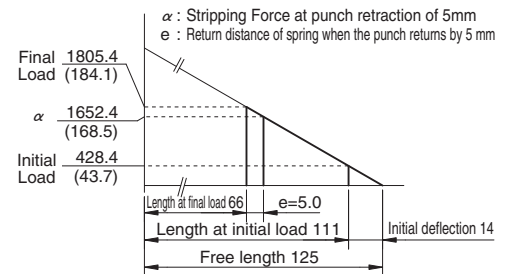
### Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	2	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-125
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×25

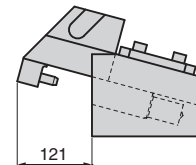
### Spring Diagram

(Stripping Force at punch retraction of 5mm)

- Spring used TF35-125 (2 pieces)
- Spring constant 15.3N/mm(1.56kgf/mm)



### Space for removing

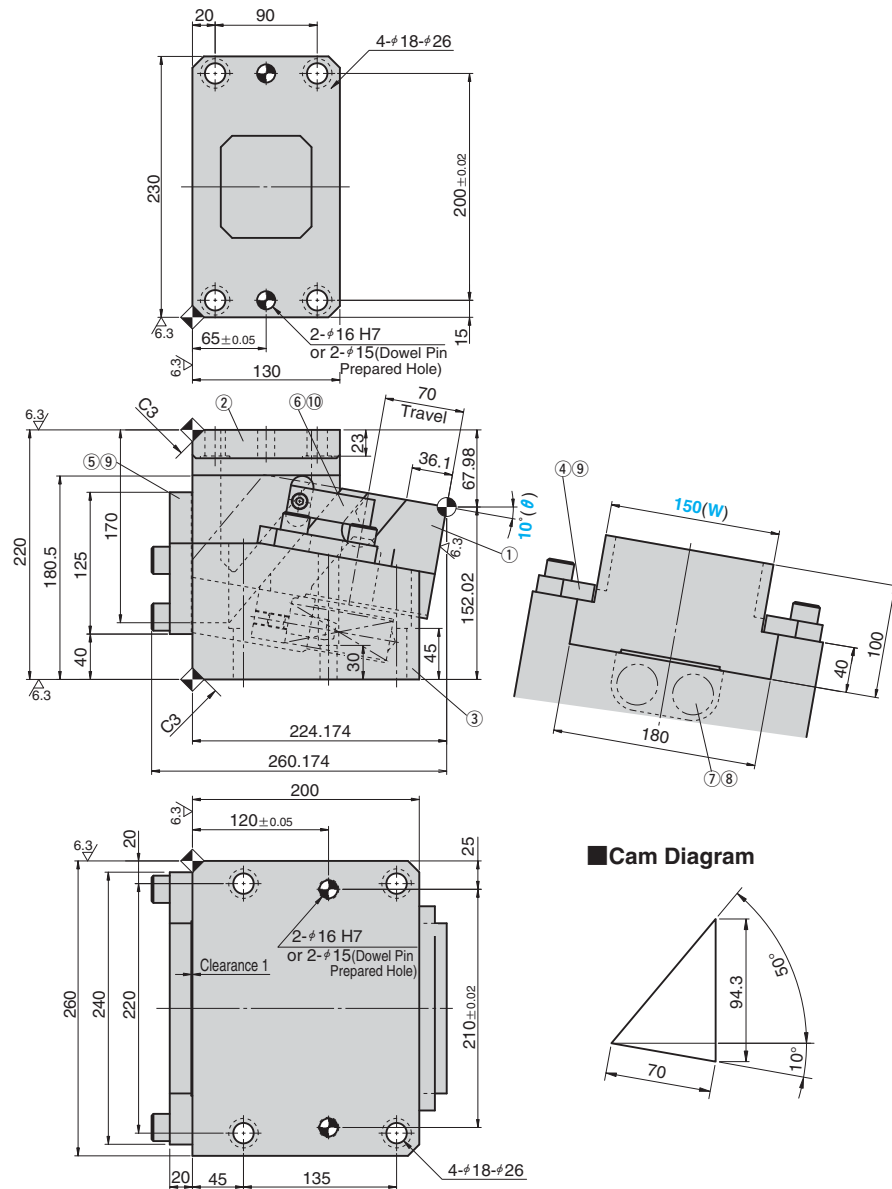


# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

CAD FILE

SKCA150 - 10 - 70 (Dowel Pin Hole Finished) ▲ Tolerance are from dowel pin finished hole.  
 SKC 150 - 10 - 70 (Dowel Pin Prepared Hole)



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1848.0 (188.2)	16.0	73.0	SKCA SKC	150	10	70

Order Catalog No. (W) - (θ) - S  
 SKCA 150 - 10 - 70

Option Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

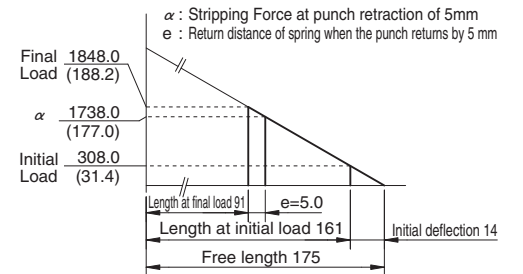
### Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	2	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-175
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×25

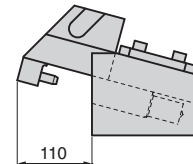
### Spring Diagram

(Stripping Force at punch retraction of 5mm)

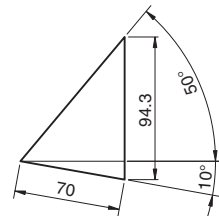
- Spring used TF35-175(2 pieces)
- Spring constant 11.0N/mm(1.12kgf/mm)



### Space for removing



### Cam Diagram



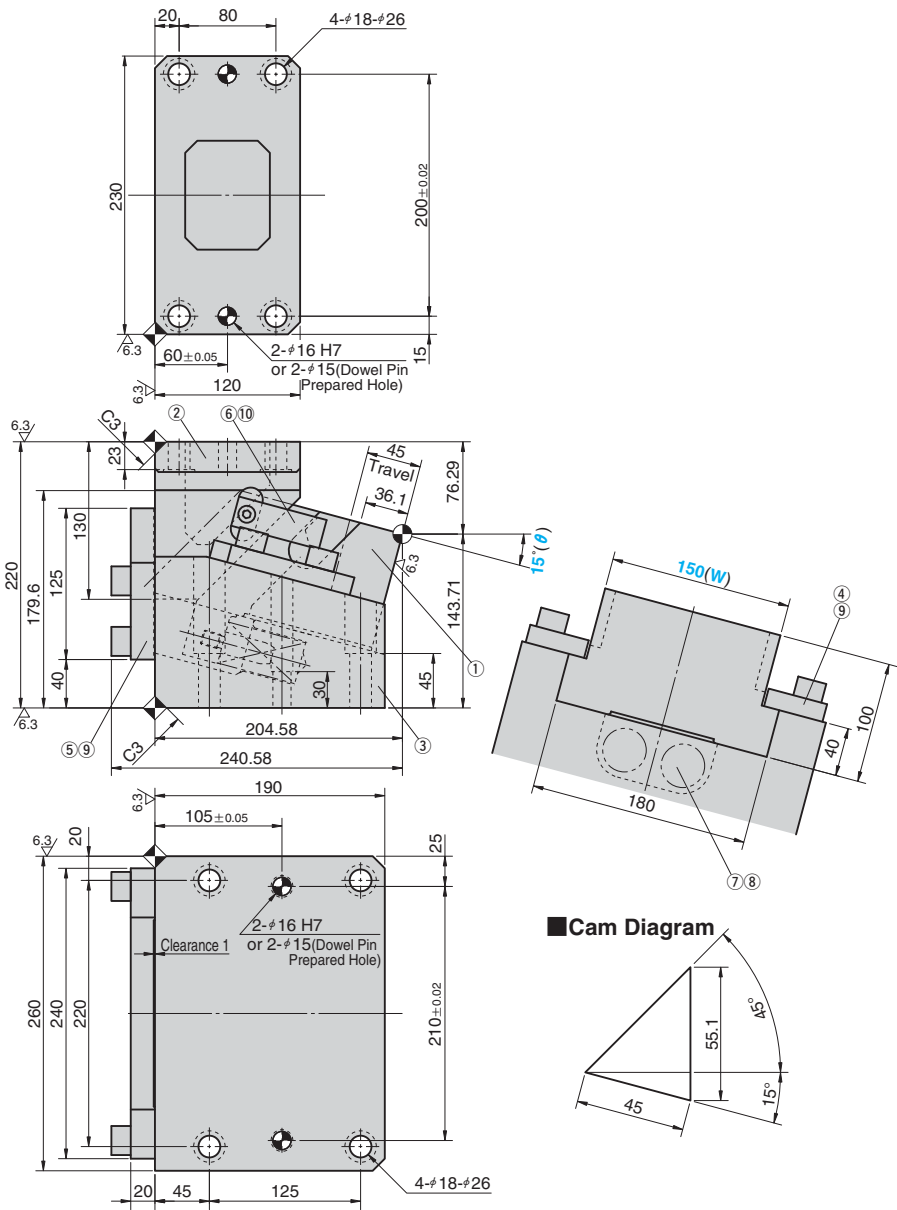
# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

CAD FILE

SKCA150 - 15 - 45 (Dowel Pin Hole Finished)  
SKC 150 - 15 - 45 (Dowel Pin Prepared Hole)

⚠ Tolerance are from dowel pin finished hole.



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1805.4 (184.1)	16.0	65.0	SKCA SKC	150	15	45

Order **Catalog No.** **(W)** - **(θ)** - **S**  
SKCA 150 - 15 - 45

Option Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

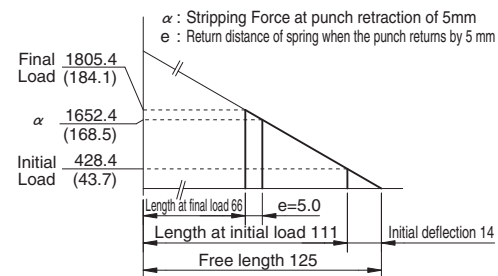
### Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	2	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-125
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×25

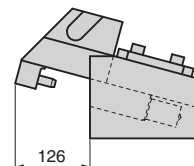
### Spring Diagram

(Stripping Force at punch retraction of 5mm)

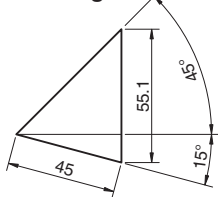
- Spring used TF35-125(2 pieces)
- Spring constant 15.3N/mm(1.56kgf/mm)



### Space for removing



### Cam Diagram





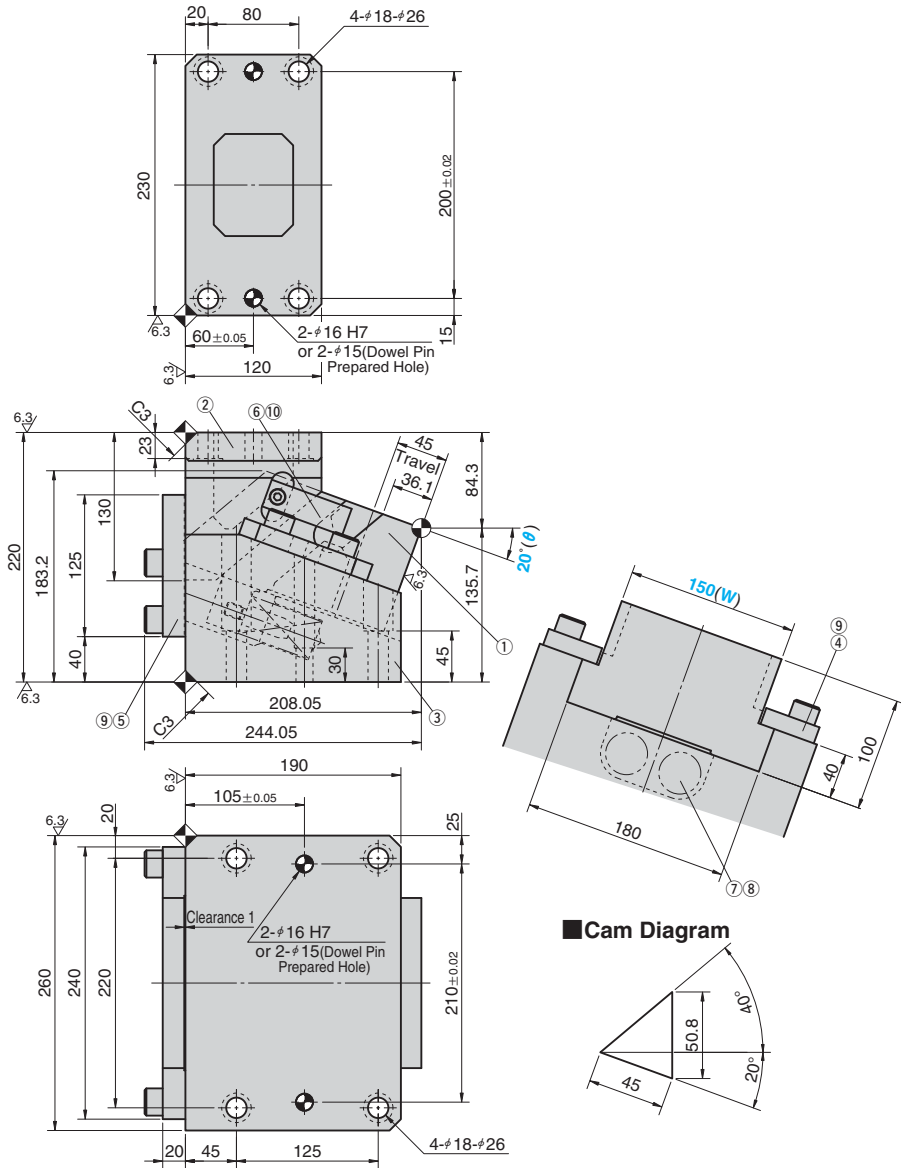
# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

CAD FILE

SKCA150-20-45 (Dowel Pin Hole Finished)  
SKC 150-20-45 (Dowel Pin Prepared Hole)

⚠ Tolerance are from dowel pin finished hole.



Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1805.4 (184.1)	16.0	66.0	SKCA SKC	150	20	45

Order Catalog No. **SKCA** (W) **150** - (θ) **20** - S **45**

Option Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

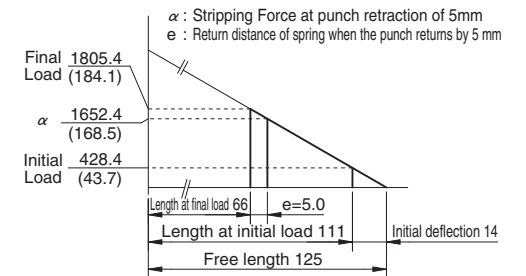
### Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	2	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-125
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×25

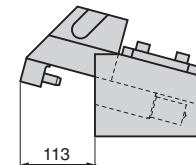
### Spring Diagram

(Stripping Force at punch retraction of 5mm)

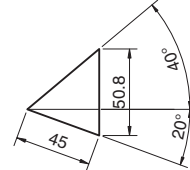
- Spring used TF35-125(2 pieces)
- Spring constant 15.3N/mm(1.56kgf/mm)



### Space for removing



### Cam Diagram



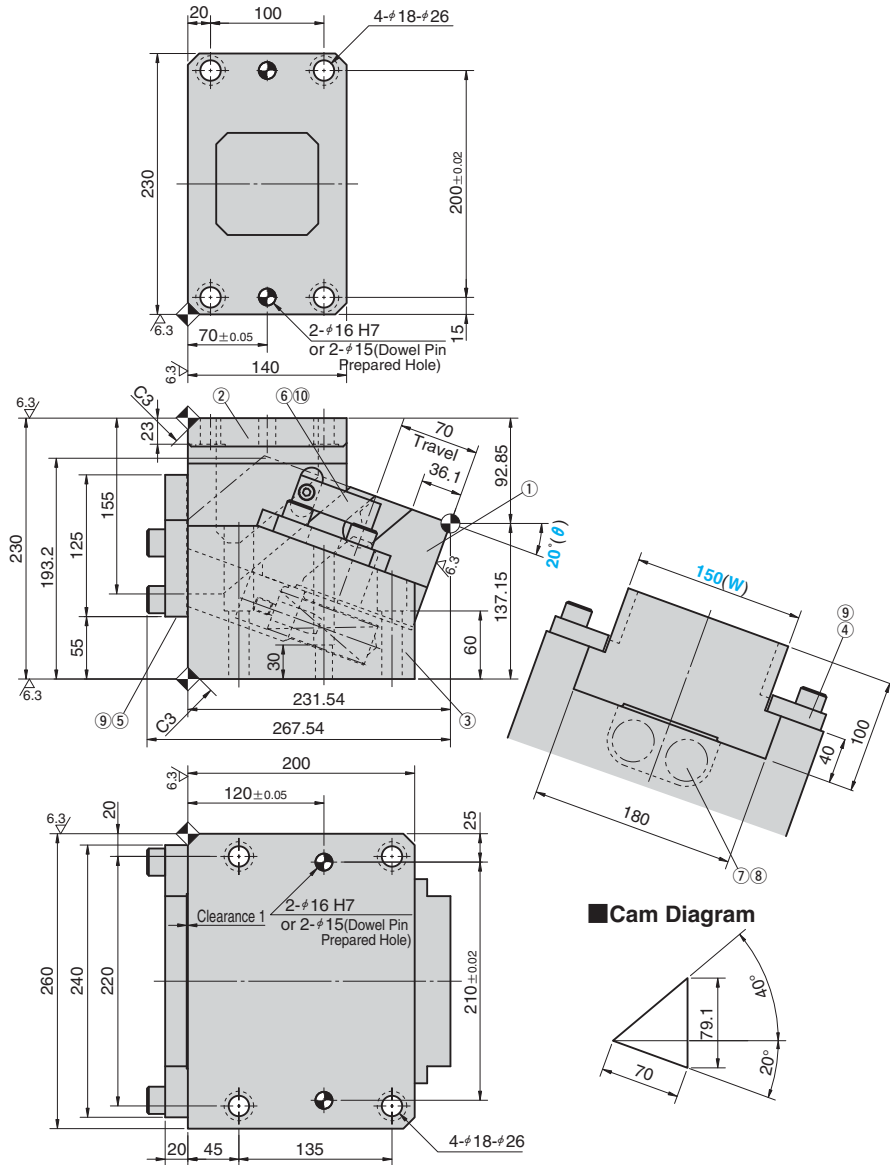
# Die Mounted Cam Unit

FOR PIERCE AND FLANGE

CAD FILE

SKCA150 - 20 - 70 (Dowel Pin Hole Finished)  
 SKC 150 - 20 - 70 (Dowel Pin Prepared Hole)

⚠ Tolerance are from dowel pin finished hole.



■ Cam Diagram

Working Force kN(tonf)		Spring Force N(kgf)		Slider Weight kg	Total Weight kg	Catalog No.	(W)	(θ)	Travel S
Standard Working Force (one million strokes)	Allowable Working Force (300,000 strokes)	Initial Load	Final Load						
64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1848.0 (188.2)	16.0	75.0	SKCA SKC	150	20	70



Order

Catalog No. (W) - (θ) - S  
 SKCA 150 - 20 - 70



Option

Refer to page 552 for detailed specifications of tapped holes and dowel pin holes (prepared hole, finish hole) for retainer.

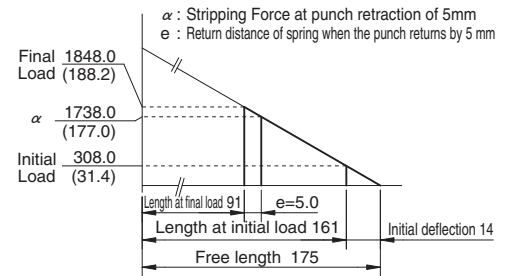
■ Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250 with Graphite
②	Cam Driver	1	FC250 with Graphite
③	Cam Holder	1	FC250
④	Upper Plate	2	S45C Copper Powder Sintered (#220)
⑤	Stopper Plate	1	SS400(1020)
⑥	Positive Return Follower	2	S45C(1045)
⑦	Spring Guide Pin	2	φ18×60
⑧	Coil Spring	2	TF35-175
⑨	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑩	Hexagon Socket Head Bolt	2	SCM435 M8×25

■ Spring Diagram

(Stripping Force at punch retraction of 5mm)

- Spring used TF35-175(2 pieces)
- Spring constant 11.0N/mm(1.12kgf/mm)



■ Space for removing

