

Die Mounted Cam Unit General Description of SVSC

VDI-BAK STANDARD

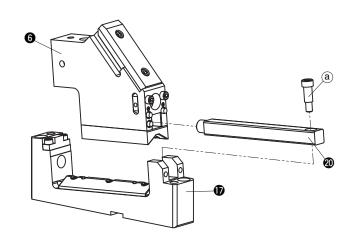


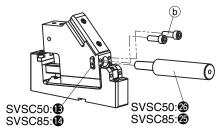
- SVSC complies with the VDI-BAK specification.
 - · Specification of Guide Plate complies with VDI3357.
 - Specification of Gas Spring complies with VDI3003.
- V-shaped guides.
- 50, 85, 110, 150, 220, 330mm and 400mm mounting widths are available.
- Available angle are 0° to 20° in increments of 5°.
- Designed to faciliate easy removal of gas spring.
 (Disassembly of cam is unnecessary)
- Heavy duty type : high working force / return force.

■SVSC Specifications

Mounting	Mounting Surface			Working Force kN(tonf)
w	н	Working Angle	Travel	Standard Working Force (one million strokes)
50	75		55	29.4(3.0)
85	85			58.8(6.0)
110		00 05	70	117.7(12.0)
150	110	10	70	166.7(17.0)
220		15 20		245.2(25.0)
330	180	20	90	343.2(35.0)
400	100		80	431.5(44.0)

SVSC50/85 Structure and Assembly / Disassembly





Note) Only spring can be removed.

- 1) Remove hexagon socket head bolt((b)).
- 2) Pull out the spring stopper(18).
- 3) Pull out the gas spring (SVSC 50:39,SVSC50:39).

Disassembly method of SVSC50/85

- 1) Remove hexagon socket head bolt(ⓐ) and pull guide bar(�) from cam holder(�) 20mm to the rear. Remove the guide bar and cam slider(�).
- 2) Pull and remove the guide bar from the cam slider.

Assembly method of SVSC50/85

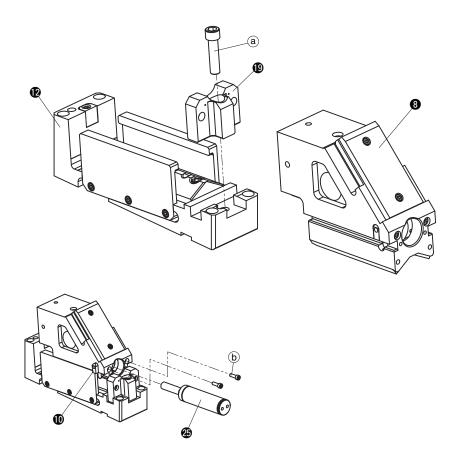
- 1) Assemble components in the reverse order of disassembly.
- · Make sure that there is no foreign material on the sliding area and assemble components.
- •The clearance between the guide bar / cam slider and the cam holder is adjusted. Match the stamped serial number on the holder and slider before assembly.
- · After reassembling, please ensure that all bolts removed are re-installed and tightened.



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SVSC110/150/220/330/400 Structure and Assembly / Disassembly



This fingure shows SVSC110

Note) Only spring can be removed.

- 1) Remove hexagon socket head bolt(b).
- 2) Pull out the spring stopper(10).
- 3) Pull out the gas spring(3).

Disassembly method of SVSC110/150/220/330/400

- 1) Remove hexagon socket head bolt(ⓐ) and remove stopper plate(�).
- 2) Pull and remove the cam slider(19) from the cam holder(19) to the rear.

Assembly method of SVSC110/150/220/330/400

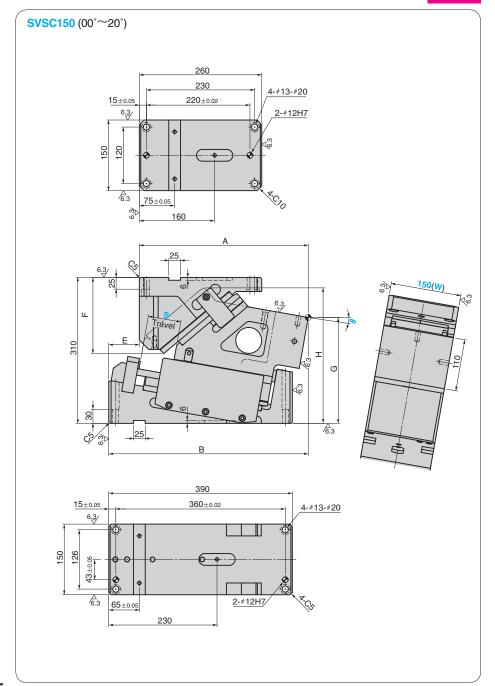
- 1) Assemble components in the reverse order of disassembly.
- Make sure that there is no foreign material on the sliding area and assemble components.
- •The clearance between the guide bar / cam slider and the cam holder is adjusted. Match the stamped serial number on the holder and slider before assembly.



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Addition



θ	Α	В	E	F	G	Н
00	355.00	390.00	35	189.0	250.00	273.7
05	362.59	407.59	45	175.8	237.48	280.9
10	358.74	423.74	65	161.7	224.96	287.8
15	364.37	434.37	70	147.1	212.49	294.2
20	364.40	444.40	80	132.0	200.13	300.2

kN(tonf) Standard Working Force (one million strokes)	Cam Slider Weight kg	Total Weight kg	Catalog No.	(W)	θ	Travel S	Spring Type PS
		99.4			00		
		100.3			05		GK
166.7 (17.0)	40.8	100.7	svsc	150	10	70	GD NGP*
()		103.2			15		GS
		105.9			20		



Catalog No.	(W)]-[θ]-[S	_	PS
SVSC	150	_	10	_	70	_	GK

^{*} Without gas spring but accessories for installation are included.

■Spring Specification (Qty 1)

	Gas Spring(Standard)				Gas Spring(Power option"V")			
Spring	Spring Force N(kgf)		Model	Spring		Force N(kgf)	Model	
Type PS	Initial Force	Final Force	Wodei	Type PS	Initial Force	Final Force	Wiodei	
GK		12000 (1224.5)	TU750-080(KALLER)	GK		13800 (1408.2)	X1000-080(KALLER)	
GD	_	11200 (1142.9)	90.10.00750.080(DADCO)	GD	_	14100 (1438.8)	U.1000.080(DADCO)	
GS		12000 (1224.5)	SGF.750.80(SDT)	GS		16100 (1642.9)	SFC.1000.80(SDT)	

^{*} Power gas spring available. Please contact us for details.

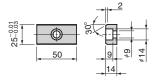


Option Code	Specification			
K	Dedicated key is attached. (It is not assembled to the main unit)			
NF	Nitrogen gas is not charged. Applicable to GK,GS and GD only.			
V	Gas Spring is changed to Power type.			



SVSC150 - 10 - 70 - GK - NF - K SVSC150 - 10 - 70 - GK -V

■Key Specification(Option) (Qty 6 with M8×15 bolt)



SVSC

150

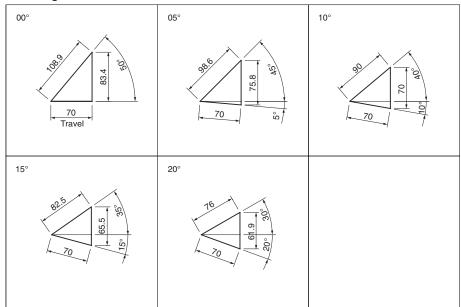
1946



Die Mounted Cam Unit

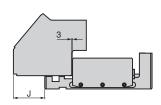
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■Cam Diagram

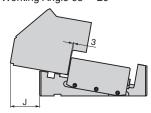


■Required space for removing

Working Angle 00°



Working Angle 05° ~20°

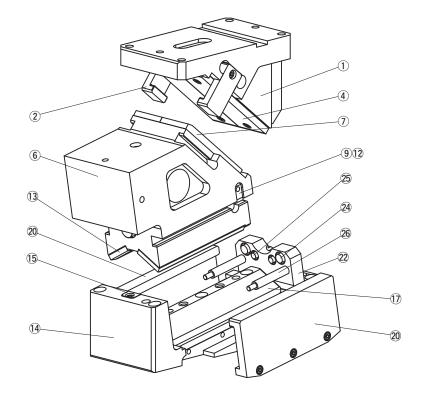


Working Angle	J
00°	114
05°	111.6
10°	106.6
15°	103.2
20°	96.2

■Table of Components

No.	Description	Qty	Material and Remark
1	Cam Driver	1	GGG60(FCD600)
2	Cam Positive Return	2	S45C HRC28~
4	Slide Plate	2	Bronze With Graphite(VSM-30-SP2)
6	Cam Slider	1	GGG60(FCD600)
7	Slide Plate	2	SCM440(VSM-59-ST01)
9	Spring Stopper	1	S45C (LH)
12	Spring Stopper	1	S45C (RH)
13	Slide Plate	2	Bronze With Graphite(VSM-25-SP2)
14)	Cam Holder	1	GGG60(FCD600)

No.	Description	Qty	Material and Remark
NO.	Description	GLY	Material and hemaik
15	Spring Block	1	S45C HRC55~
17)	Cam Slide Guide(Lower)	1	S45C HRC55~
20	Keeper Plate	2	S45C HRC28~
22	Cam Slider Stopper	1	S45C
24)	Stopper	2	Urethane
25	Stopper	2	Urethane
26	Lock Spacer	2	SS400
28	Gas Spring	1	Refer to the Spring Specification Table.



SVSC 150