



θ	Travel	A	B	C	E	F	G
00	32.1	360.00	210.00	150	95.00	205.00	73
05	35.5	356.43	222.43	134	98.92	201.08	85
10	38.9	359.62	241.62	118	109.12	190.88	92
15	42.4	356.30	245.30	111	120.53	179.47	97
20	46.1	356.37	263.37	93	128.12	171.88	107
25	50.0	355.73	275.73	80	136.81	163.19	117
30	54.3	358.28	288.28	70	146.55	153.45	126
35	59.0	346.94	282.94	64	157.25	142.75	134
40	64.3	345.56	287.56	58	168.85	131.15	142
45	70.4	346.27	306.27	40	181.24	118.76	148

Working Force kN	Catalog No.	(W)	θ	Spring Type PS
			00	
			05	
			10	
			15	GS
			20	GK
			25	GD
			30	*NGP
			35	
			40	
			45	

Mark * Without gas spring but accessories for installation of each type are included.

Order **Catalog No.** (W) - θ - PS
UCMSV 250 - 25 - GK

Spring Specification (Qty 2)

Spring Type PS	θ	Spring Force N			Gas Spring Catalog No.
		F _A	F _E	F _{AP}	
GS	00~45	15000	24300	22381	SFC.750.63 (SANKYO)
GK	00~45	14800	23600	21784	X750-063-TD (KALLER)
GD	00~45	14640	22720	21053	U.0800.063 (DADCO)

NOTE
 F_A :Initial Force
 F_E :Final Force
 F_{AP} :Force at working point

Option	Code	Specification
	LA	without accelerator
	K	with key
	NF	without nitrogen gas

Parts list is shown in p.1537
 Detail of key is shown in p.1536
 Cam diagram is shown in p.1535
 NF : Gas Springs are not filled with nitrogen gas if delivery is by air freight.

Order **UCMSV250 - 25 - GK - NF**

Aerial Cam Unit Table of Components

FOR PIERCE AND FLANGE

■ $\theta = 00^\circ \sim 50^\circ$

No.	Description	Qty	Material and Remark
①	Cam Driver	1	GGG60
③	Hexagon Socket Head Bolt	2	SCM435 M10×30
⑤	Cam Holder	1	GGG60
⑥	Base Plate R	1	S45C
⑦	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑧	Slide Plate (VSM-15)	2	Bronze with Graphite
⑨	Hexagon Socket Head Bolt	22	SCM435 M8×20
⑩	Key	4	SS400
⑪	Hexagon Socket Head Bolt	4	SCM435 M6×20
⑫	Key	2	SS400
⑬	Base Plate L	1	S45C
⑭	Stopper Plate	1	S45C
⑮	Stopper	2	Urethane (PCU20)
⑯	Hexagon Socket Head Bolt	2	SCM435 M8×25
⑰	Safty Plate	2	S45C
⑱	Lock Block	1	SS400
⑲	Hexagonal Bolt	1	SCM435 M16×140
⑳	Hexagonal Nut	1	SCM435 M16
㉑	Cam Slider	1	GGG60
㉒	Spring Guide	1	S45C
㉓	Gas Spring Guide Plate	1	SS400
㉔	Slide Plate (VSM-13)	2	Bronze with Graphite
㉕	Slide Plate (VSM-25)	2	Bronze with Graphite
㉖	Slide Plate (VSM-24)	2	Bronze with Graphite
㉗	Com Positive Rerurn Plate	2	S45C
㉘	Cam Slide Guide (Lower)	1	S45C
㉙	Hexagon Socket Head Bolt	4	SCM435 M10×35
㉚	Dowel Pin with Female Thread	2	SUJ2 ϕ 12-40
㉛	Hexagon Socket Head Bolt	2	SCM435 M8×50
㉜	Slide Plate (VSM-33)	1	Bronze with Graphite
㉝	Gas Spring	2	
㉞	Key	8	SS400
㉟	Hexagon Socket Head Bolt	8	SCM435 M8×15

■ $\theta = 55^\circ \sim 75^\circ$

No.	Description	Qty	Material and Remark
①	Cam Driver	1	GGG60
③	Hexagon Socket Head Bolt	2	SCM435 M10×30
⑤	Cam Holder	1	GGG60
⑥	Base Plate R	1	S45C
⑦	Hexagon Socket Head Bolt	8	SCM435 M16×45
⑧	Slide Plate (VSM-15)	2	Bronze with Graphite
⑨	Hexagon Socket Head Bolt	22	SCM435 M8×20
⑩	Key	4	SS400
⑪	Hexagon Socket Head Bolt	4	SCM435 M6×20
⑫	Key	2	SS400
⑬	Base Plate L	1	S45C
⑭	Stopper Plate	1	S45C
⑮	Stopper	2	Urethane (PCU20)
⑯	Hexagon Socket Head Bolt	2	SCM435 M8x×25
⑰	Safty Plate	2	S45C
⑱	Lock Block	1	SS400
⑲	Hexagonal Bolt	1	SCM435 M16×140
⑳	Hexagonal Nut	1	SCM435 M16
㉑	Cam Slider	1	GGG60
㉒	Spring Guide	1	S45C
㉓	Gas Spring Guide Plate	1	S45C
㉔	Slide Plate(VSM-13)	2	Bronze with Graphite
㉕	Slide Plate(VSM-25)	2	Bronze with Graphite
㉖	Slide Plate(VSM-23)	2	Bronze with Graphite
㉗	Cam Positive Return Plate	2	S45C
㉘	Cam Slide Guide(Lower)	1	S45C
㉙	Hexagon Socket Head Bolt	4	SCM435 M10×35
㉚	Dowel Pin with Female Thread	2	SUJ2 ϕ 12-40
㉛	Hexagon Socket Head Bolt	2	SCM435 M8×50
㉜	Slide Plate (VSM-32)	1	Bronze with Graphite
㉝	Gas Spring	2	
㉞	Key	8	SS400
㉟	Hexagon Socket Head Bolt	8	SCM435 M8×15