Cam unit that can avoid interference with panel

LONG LEG CAM

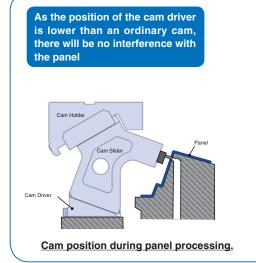
AERIAL CAM UNIT

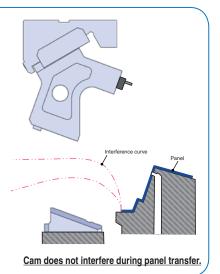
Easy access to higher location of hole piercing even if hole piercing is much higher than the lowest position of the panel.

The lowered cam driver position contributes to no interference with the panel.

•Unique design of this cam contributes to more compact tooling design and contributes to less machining time.

Features

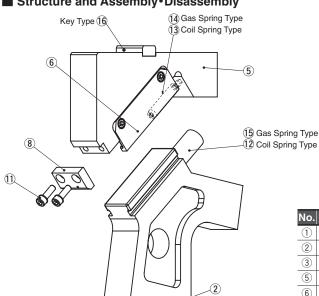




Exploded view, parts list



Structure and Assembly Disassembly



No.	Description	Qty
1	Cam Driver	1
2	Cam Slider	1
3	Cam Positive Return	1
(5)	Cam Holder	1
6	Slide Keeper	2
8	Stopper Plate	1
9	Urethane Stopper	2
12	Coil Spring	1
13	Spring Guide Pin	1
14)	Stop Pin	1
15	Gas Spring	1
16	Key	1

Disassembly method

- 1) Loosen hexagonal socket head bolts (11) and remove Stopper Plate(8).
- 2) Pull out and remove Cam Slide (2) from Cam Holder(5) to the rear.

Assembly method

- 1)Assemble parts in the reverse order of disassembly.
- · Make sure that there is no foreign matter on the sliding area and apply grease on
- · Since clearances of Cam Slider and Cam Holder are controlled, make sure that serial numbers engraved on Cam Slider and Cam Holder are indentical.
- · After assembly, make sure that all bolts are correctly tightened.

⚠ How to handle the Gas Spring

- · If you are planning to use any gas springs other than the ones Sankyo recommends, please let us know first.
- · For the handling of the gas spring you have/use, including the maintenance of it on a standalone basis, please contact the gas spring manufacturer you purchased from.

Cam unit that can avoid interference with panel

2-∮10 H7

2-∮13-∮20

LONG LEG CAM

100 ±0.05

TSHC

AERIAL CAM UNIT

25H7



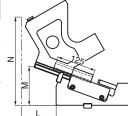
Working force [kN (tonf)] 1,000,000 strokes standard		Cam width W	Angle θ	Spring Type
14.7kN (1.5tonf)	TSHC	50	10 ~ 30 (5-degree increments)	No code(Coil Spring) GK·NGK GD·NGD GS·NGS



Option

■ Rear removal space
for installing the spring are included
prefixing "N" to the GK, GD and GS spring type. The part
* If no spring is required, specify "NGK", "NGD" and "NGS

Option Code	Specification
NF	Nitrogen gas not filled into gas spring.
K	Key attached. For key specification. (LKU25-100) (The key is not assembled into cam unit at delivery.)



θ	L	M	N
10	60	200	360
15	75	183	340
20	86	320	320
25	95	145	300
30	110	123	280

Wat -	

Order Catalog No.

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W - θ - Spring 50 - 10 - GK

Option
NF - K

■ Spring force

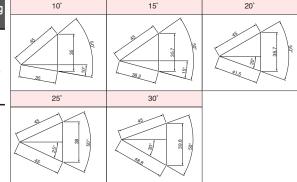
Spring	Initial load		Final load		Model	
Spring	N	kgf	N	kgf	Model	
ISO	141	14.4	565	57.7	TF27-125	
GK			657	67.1	RG19-50-Blue(KALLER)	
GD	_	-	554	56.5	C.090.050.BU(DADCO)	
GS				70.7	SFL50.50(SDT)	

	θ	Coil S	pring	Gas S	pring
		N	kgf	N	kgf
	10	798	81.4	920	93.9
	15	790	80.6	912	93.1
	20	783	79.9	905	92.4
	25	776	79.2	898	91.6
_	30	768	78.3	890	90.8

■ Weight

■ Cam Diagram

θ	Total weight kg	Cam Slider weight kg	Total mounting weight K
10	16.1	7.6	
15	16.2	7.6	Less than
20	16.4	7.8	1kg as it shall be for
25	16.2	8.1	1 Piercing.
30	16.6	8.5	



Κ

60

65

67

70

70

3

37

59

71

87

%1 $\theta = 10$ $\theta = 15$ Only

С

79.58

92.86

103.25

118.76

127.41

D

190.42

182.14

176.75

166.23

162.59

В

278.88

277.20

279.75

290.57

286.10

228.88

237.20

244.75

260.57

266.10

10

15

20

25

2-\$11-\$17

2-∮10 H7

F

270

275

280

285

290

G

50

40

35

30

20

Н

130

135

140

145

150

87

92

97

102

107

92

97

102

107