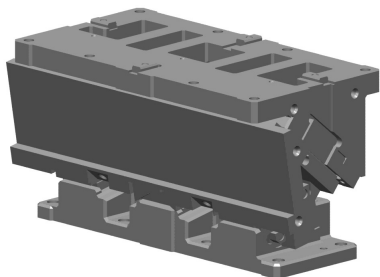


Aerial Cam Unit General Description of UCMSL

LARGE TYPE FOR PIERCE AND FLANGE

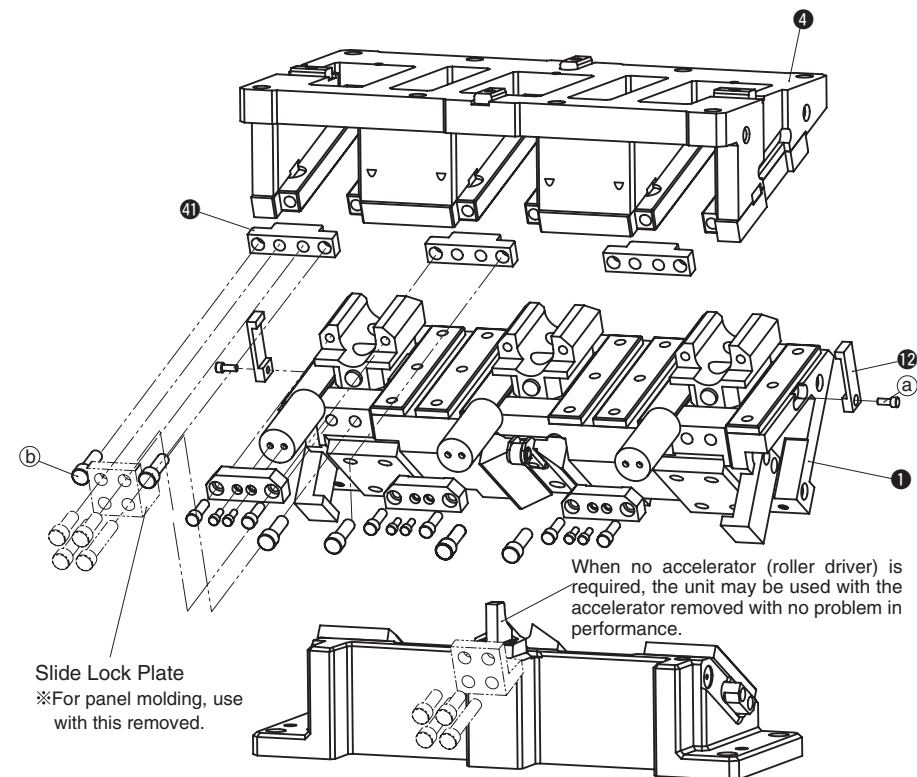


- 500 to 1000mm at increments of 100 mm are available for the mounting width.
 - Available angle is 0° to 60° at increments of 5°.
 - Spring can be removed from back so it is easy to adjust at the bottom.
- ▲ 65°/ 70°/ 75° type or 1100 to 1600mm wide type are also available.
Please contact your sales representative.

UCMSL Specifications

Mounting Surface W	H	Working Angle	Travel	Working Force kN(tonf)	Spring Force N(kgf)
500 600	180	00	38.6	313.6(32.0)	18682.0(1905.0)
		05	42.6		
		10	46.7		
		15	50.9		
		20	55.3		
		25	60.0		
		30	65.1		
		35	70.8		
		40	77.1		
		45	84.5		
		50	93.3		
		55	104.6		
700 800	180	00	38.6	470.4(48.0)	28023.0(2857.6)
		05	42.6		
		10	46.7		
		15	50.9		
		20	55.3		
		25	60.0		
		30	65.1		
		35	70.8		
		40	77.1		
		45	84.5		
		50	93.3		
		55	104.6		
900 1000	180	00	38.6	627.2(64.0)	37364.0(3810.1)
		05	42.6		
		10	46.7		
		15	50.9		
		20	55.3		
		25	60.0		
		30	65.1		
		35	70.8		
		40	77.1		
		45	84.6		
		50	93.3		
		55	104.6		
		60	120.0		

UCMSL Structure and Assembly / Disassembly



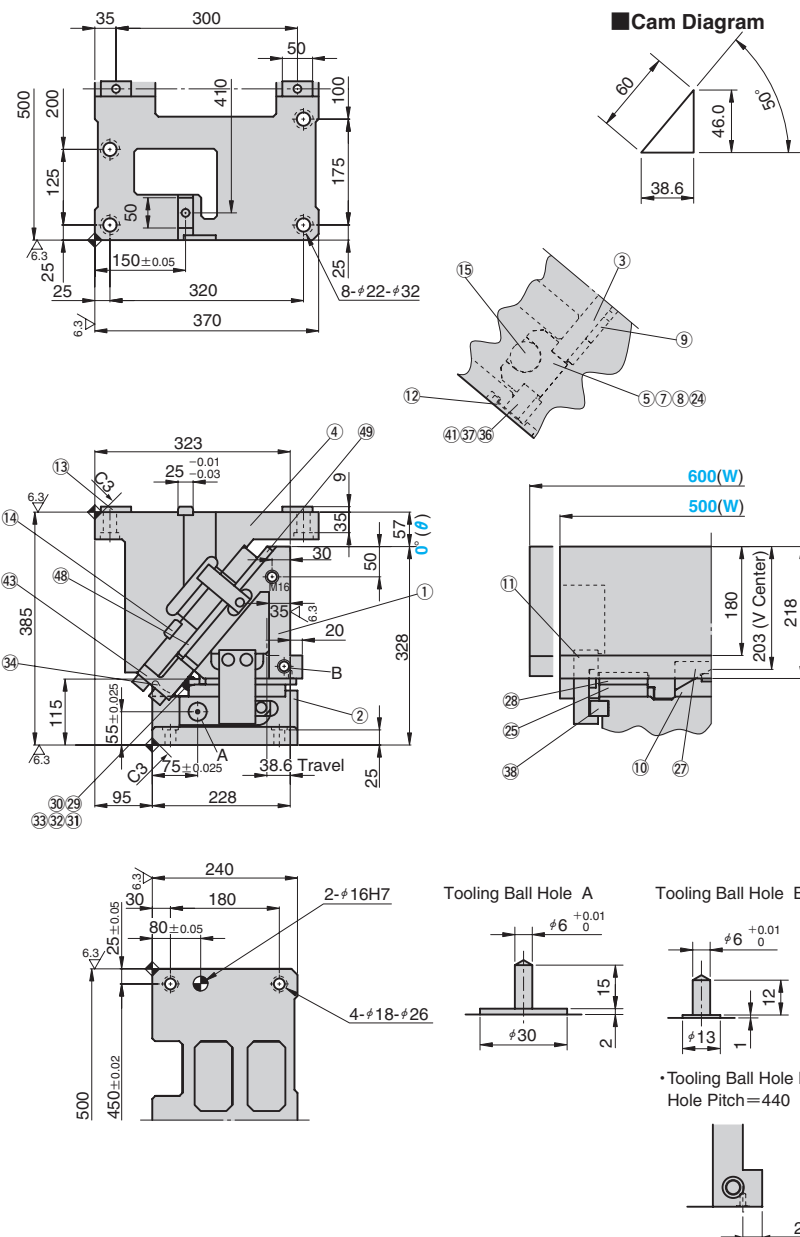
Disassembly method of UCMSL

- 1) Loosen hexagon socket bolt (a) and remove safety plate (12).
- 2) Loosen hexagon socket head bolt (b) and remove stopper plate (4).
- 3) Pull and remove cam slider (1) from cam holder (4) to the rear.

Assembly method of UCMSL

- 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 the cam holder 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

UCMSL500 / 600 - 00



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
38.6	313.6	—	18682.0 (1906.3)	25575 (2609.7)	UCMSL	500 600	00	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	00	—	GK
UCMSL	600	—	00	—	NGK



Mark *

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

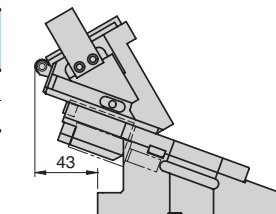
Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	265.6
600	112.9	272.4

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL500 - 00 - GK - NF

Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	1	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	2	Bronze with Graphite
⑦	Guide Pin Block	2	SS400 (1020)
⑧	Spring Guide Plate	2	SS400 (1020)
⑨	Slide Lower Plate B	4	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	4	SS400 (1020)
⑮	Gas Spring	2	K750-80
⑳	Stopper	4	Urethane PCU20
㉕	Cam Slide Plate A	2	Bronze with Graphite

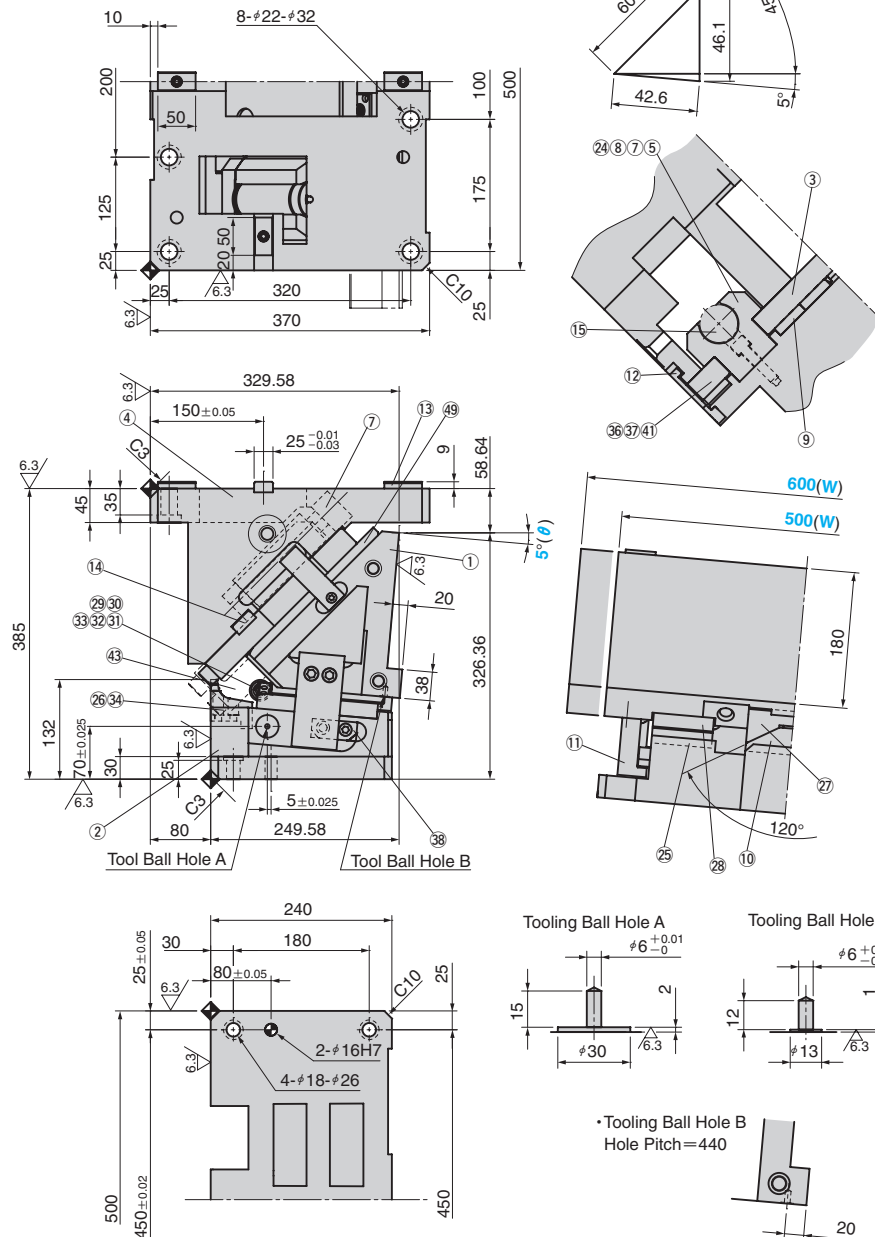
No.	Description	Qty	Material and Remark
㉗	Cam Slide Guide	1	S45C (1045)
㉘	Lower Slide Plate	2	S45C (1045)
㉙	Roller Bracket	1	S45C (1045)
㉚	Roller	1	S45C (1045)
㉛	Roller Pin	1	S45C (1045)
㉜	Bushing	1	Bronze with Graphite (SOB12-18-16)
㉝	Snap Ring E Type	2	φ9
㉞	Roller Driver	1	S45C (1045)
㉟	Base Plate B (R)	1	S45C (1045)
㊱	Base Plate B (L)	1	S45C (1045)
㊲	Positive Return Block	2	Bronze with Graphite
㊳	Stopper Plate	2	SS400 (1020)
㊴	Lock Plate	2	SS400 (1020)
㊵	Slide Plate	2	Bronze with Graphite
㊶	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL
500/600

UCMSL500 / 600 - 05



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
42.6	313.6	—	18682.0 (1906.3)	25481 (2600.1)	UCMSL	500 600	05	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	05	—	GK
UCMSL	600	—	05	—	NGK



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

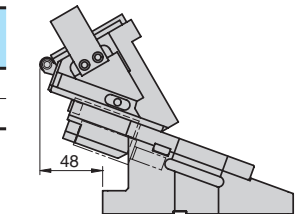
Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	262.4
600	112.9	269.2

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.

Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL500 - 05 - GK - NF

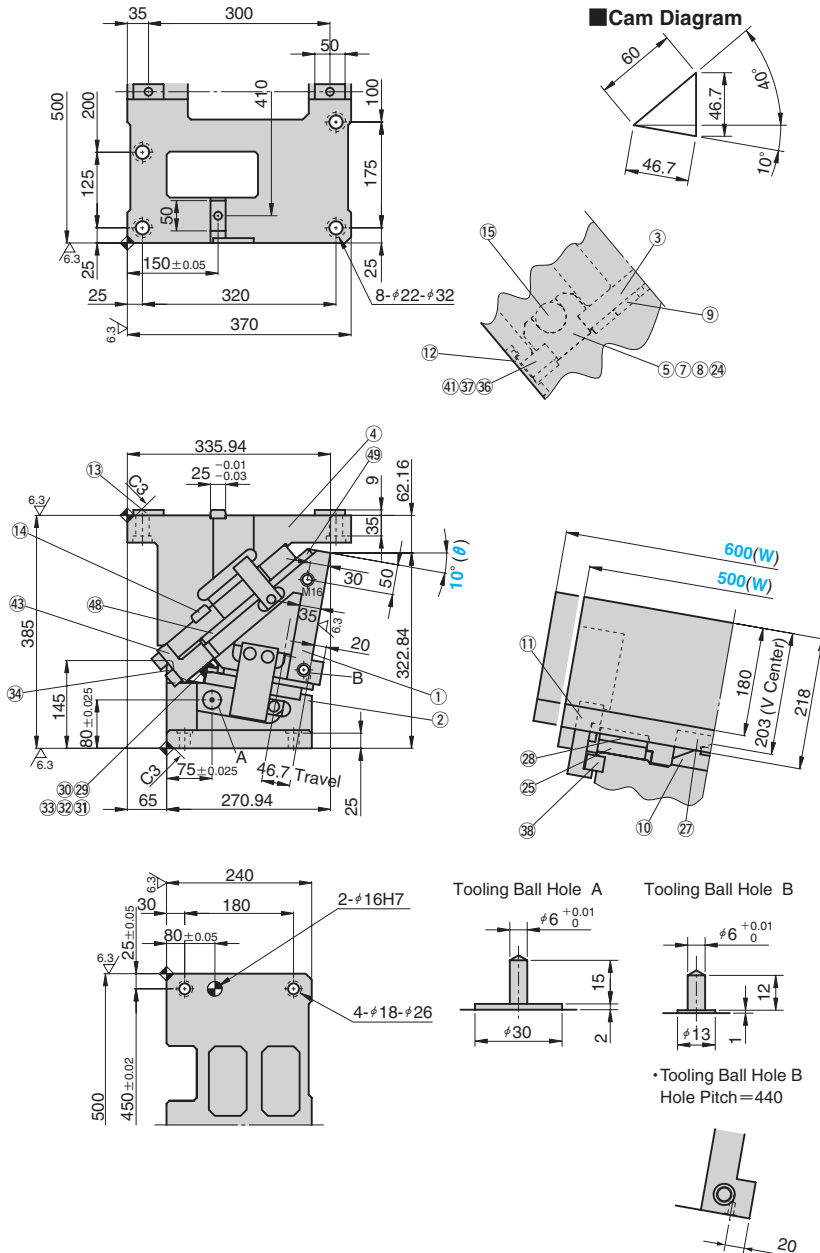
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80
24	Stopper	4	Urethane PCU20
25	Cam Slide Plate A	2	Bronze with Graphite

No.	Description	Qty	Material and Remark
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite

Bolts for assembly are not indicated.

UCMSL500 / 600 - 10



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
46.7	313.6	—	18682.0 (1906.3)	25381 (2589.9)	UCMSL	500 600	10	GS *NGS GD *NGD GK *NGK



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	10	—	GK
UCMSL	600	—	10	—	NGK



Mark *

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

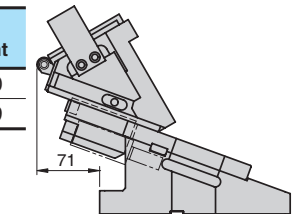
Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	261.0
600	112.9	267.9

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL500 - 10 - GK - NF

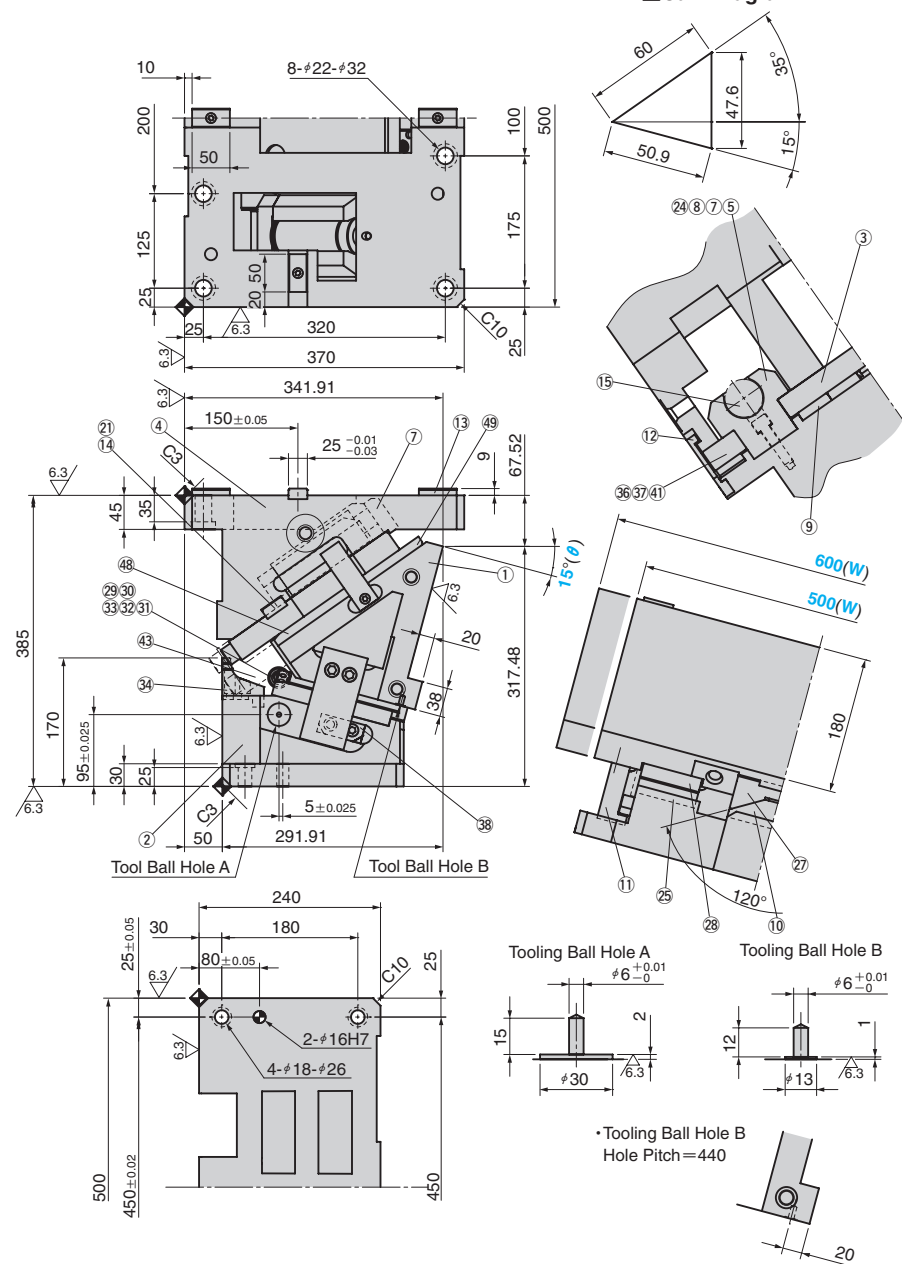
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80
24	Stopper	4	Urethane PCU20
25	Cam Slide Plate A	2	Bronze with Graphite

No.	Description	Qty	Material and Remark
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL500 / 600 - 15
Cam Diagram


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
50.9	313.6	0.0	18682.0	25275 (2579.1)	UCMSL	500 600	15	GK *NGK GD *NGD GS *NGS


Order

Catalog No.	(W)	(θ)	PS
UCMSL	500	15	GK
UCMSL	600	15	NGK



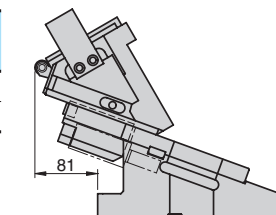
Mark * Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	260.2
600	112.9	267.1

Space for removing

Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.


Order
UCMSL500 - 15 - GK - NF
Table of Components

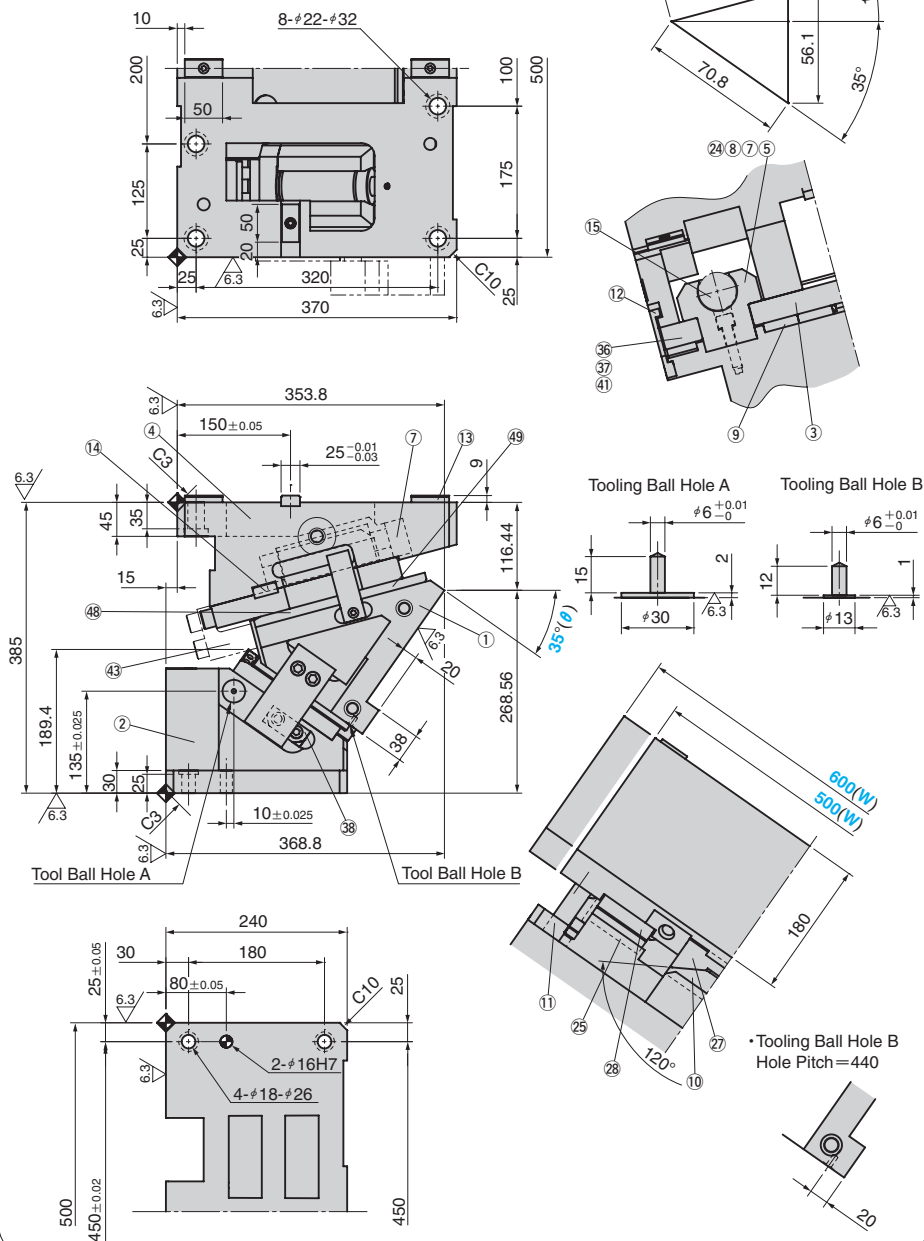
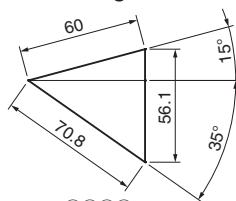
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80
24	Stopper	4	Urethane PCU20
25	Cam Slide Plate A	2	Bronze with Graphite

No.	Description	Qty	Material and Remark
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

1436

UCMSL500 / 600 - 35
Cam Diagram


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
70.8	313.6	—	18682.0 (1906.3)	24813 (2531.9)	UCMSL	500 600	35	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	35	—	GK
UCMSL	600	—	35	—	NGK



Mark *

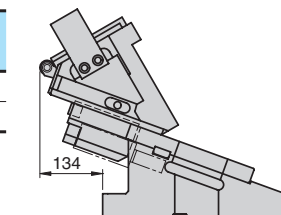
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	269.9
600	112.9	276.7

Space for removing


Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL500 - 35 - GK - NF
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80
24	Stopper	4	Urethane PCU20

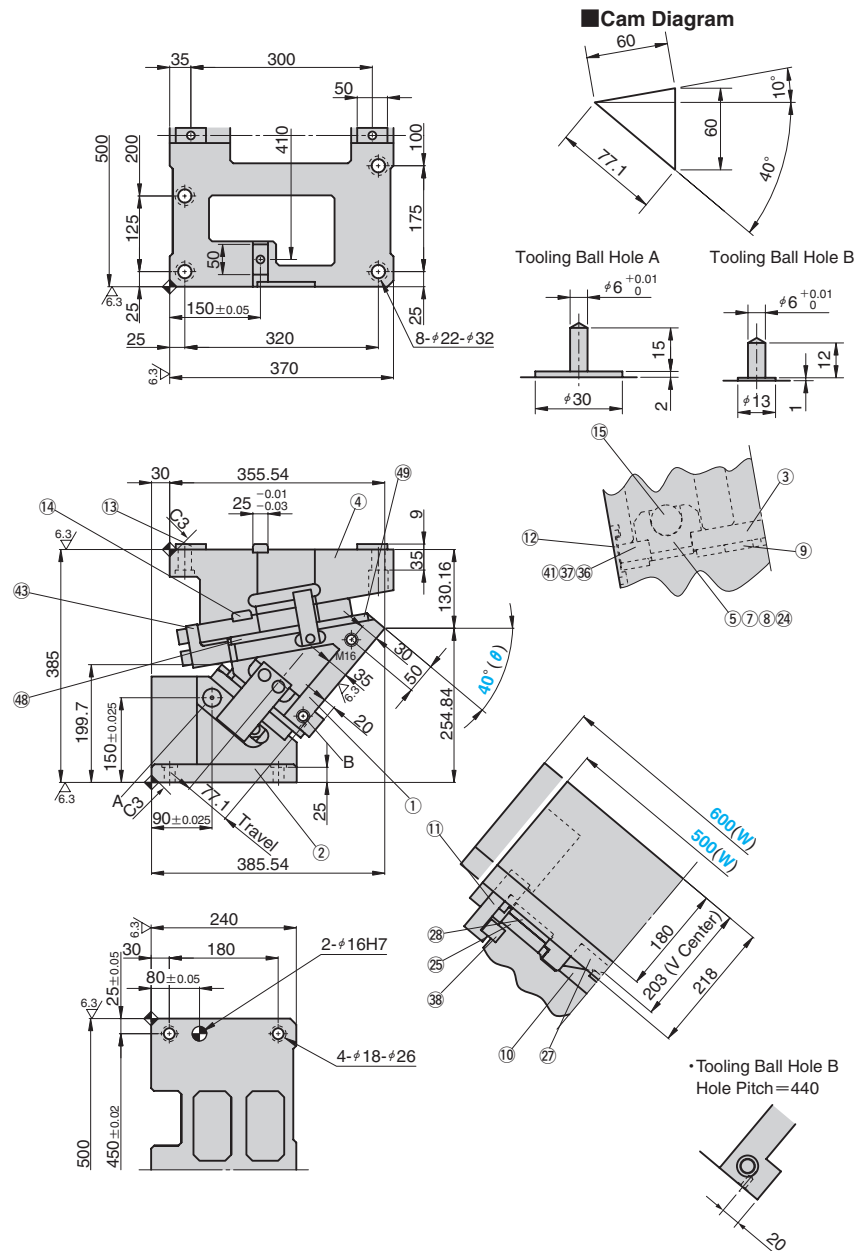
No.	Description	Qty	Material and Remark
25	Cam Slide Plate A	2	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

**UCMSL
500/600**

UCMSL500 / 600 – 40



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
77.1	313.6	—	18682.0 (1906.3)	24692 (2519.6)	UCMSL	500 600	40	GK *NGK
								GD *NGD
								GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	40	—	GK
UCMSL	600	—	40	—	NGK



Mark *

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

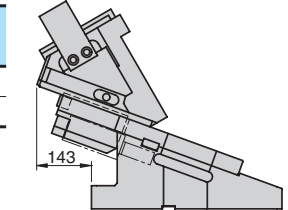
■ **Spring Specification (Qty 2)**

No.	Spring Type(PS)	Model
⑮	GK	K750-80-TD (KALLER)
	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

■ Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	274.5
600	112.9	281.3

■Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Order

UCMSL500 - 40 - GK - NF

■ Table of Components

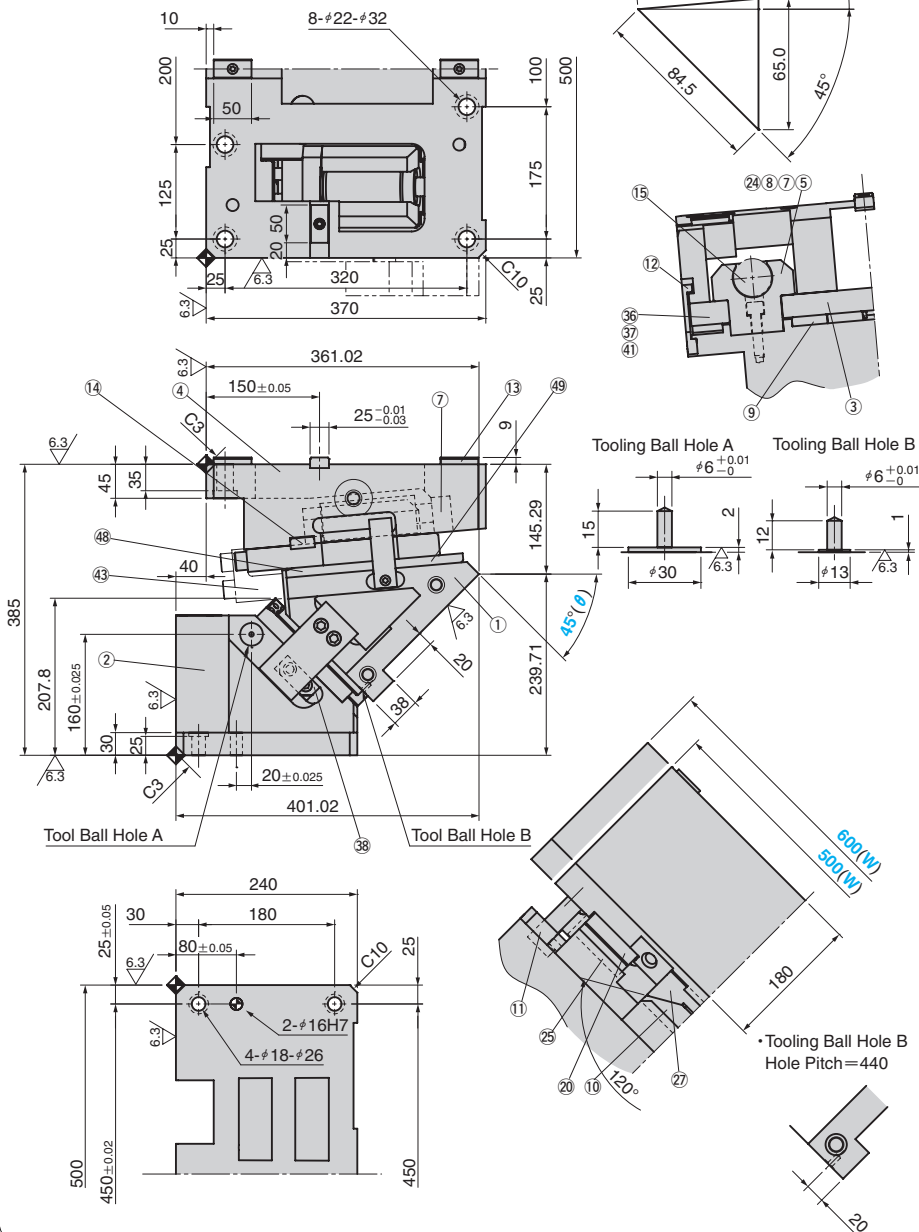
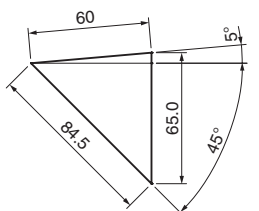
No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	1	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	2	Bronze with Graphite
⑦	Guide Pin Block	2	SS400 (1020)
⑧	Spring Guide Plate	2	SS400 (1020)
⑨	Slide Lower Plate B	4	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	4	SS400 (1020)
⑮	Gas Spring	2	K750-80
⑳	Stopper	4	Urethane PCU20

No.	Description	Qty	Material and Remark
25	Cam Slide Plate A	2	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



■ Bolts for assembly are not indicated.

UCMSL
500/600

UCMSL500 / 600 - 45
Cam Diagram


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
84.5	313.6	—	18682.0 (1906.3)	24571 (2507.2)	UCMSL	500 600	45	GK *NGK GD *NGD GS *NGS


Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	45	—	GK
UCMSL	600	—	45	—	NGK


Mark *

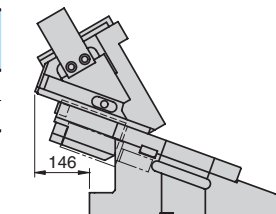
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	281.6
600	112.9	288.5

Space for removing

Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.

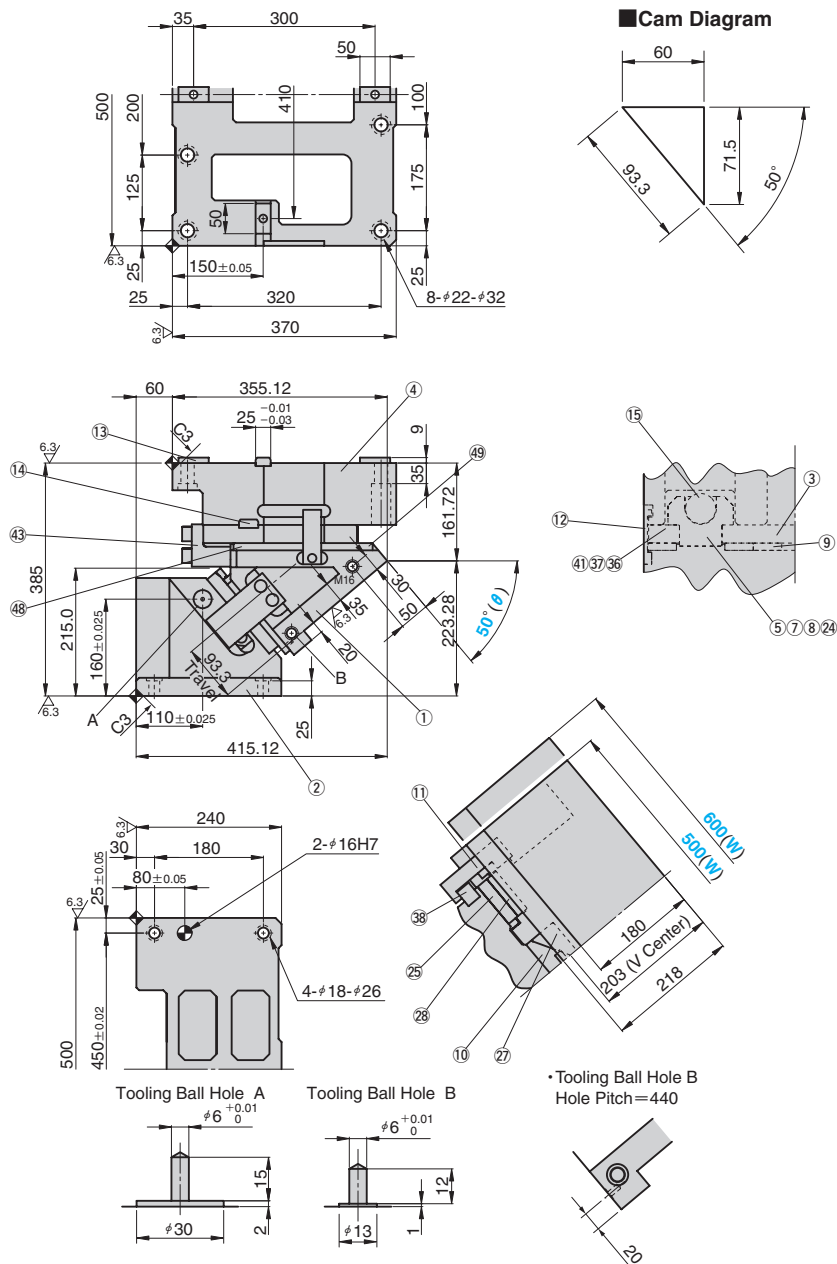

Order
UCMSL500 - 45 - GK - NF
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80
24	Stopper	4	Urethane PCU20

No.	Description	Qty	Material and Remark
25	Cam Slide Plate A	2	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL500 / 600 - 50


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
93.3	313.6	—	18682.0 (1906.3)	24451 (2495.0)	UCMSL	500 600	50	GK *NGK GD *NGD GS *NGS


Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	50	—	GK
UCMSL	600	—	50	—	NGK


Mark *

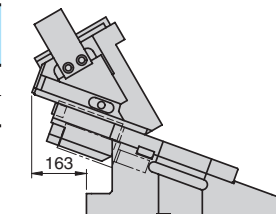
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	282.0
600	112.9	288.9

Space for removing

Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.

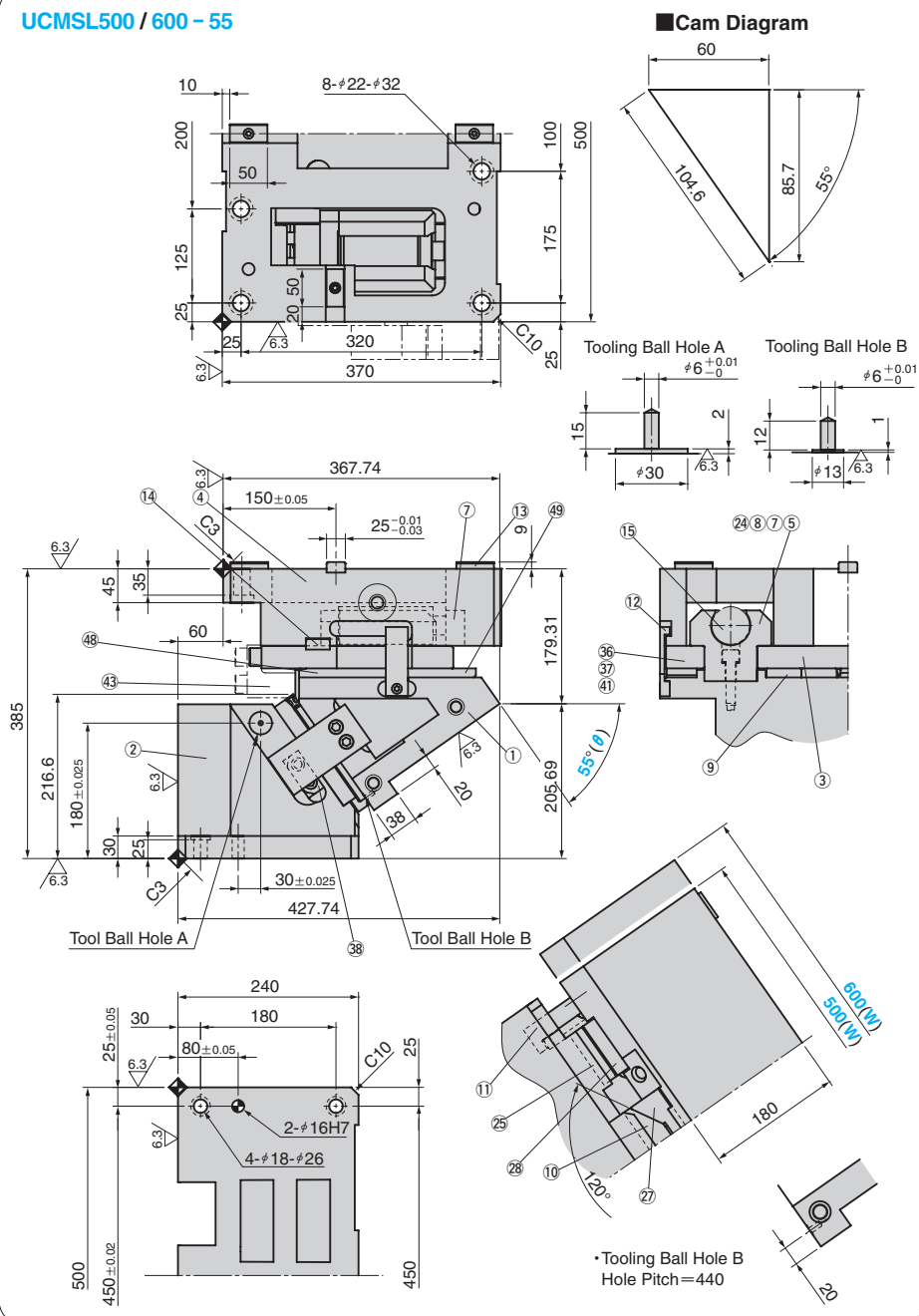

Order
UCMSL500 - 50 - GK - NF
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80

No.	Description	Qty	Material and Remark
24	Stopper	4	Urethane PCU20
25	Cam Slide Plate A	2	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL500 / 600 - 55


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
104.6	313.6	—	18682.0 (1906.3)	26590 (2713.2)	UCMSL	500 600	55	GK *NGK GD *NGD GS *NGS


Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	500	—	55	—	GK
UCMSL	600	—	55	—	NGK



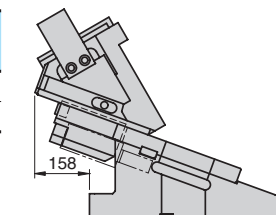
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 2)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
500	106.1	291.5
600	112.9	299.2

Space for removing

Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.

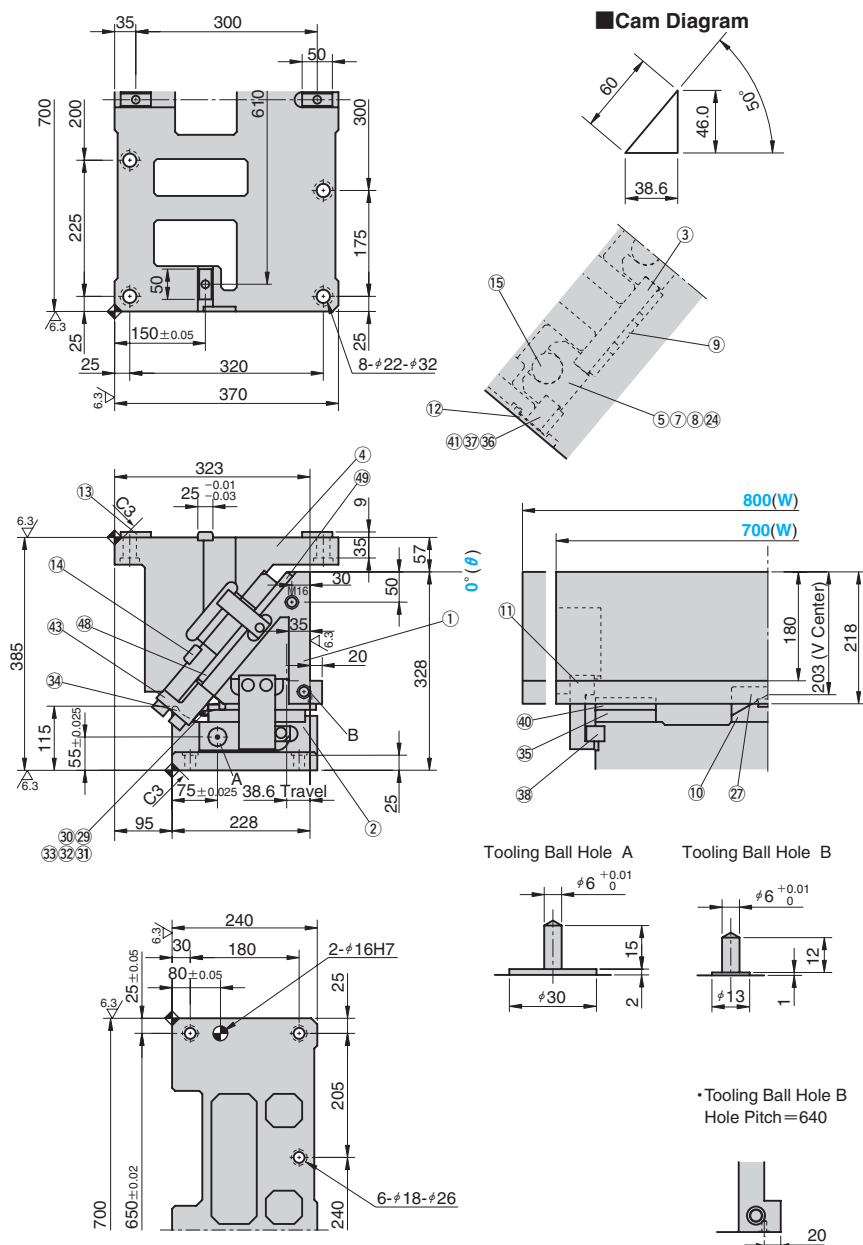

Order
UCMSL500 - 55 - GK - NF
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	1	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	2	Bronze with Graphite
6	Wear Plate A	2	Bronze with Graphite
7	Guide Pin Block	2	SS400 (1020)
8	Spring Guide Plate	2	SS400 (1020)
9	Slide Lower Plate B	2	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	4	SS400 (1020)
15	Gas Spring	2	K750-80

No.	Description	Qty	Material and Remark
24	Stopper	4	Urethane PCU20
25	Cam Slide Plate A	2	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)
28	Lower Slide Plate	2	S45C (1045)
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
41	Stopper Plate	2	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL700 / 800 - 00


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
38.6	470.4	—	28023 (2859.5)	38301 (3908.3)	UCMSL	700 800	00	GK *NGK GD *NGD GS *NGS


Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	00	—	GK
UCMSL	800	—	00	—	NGK


Mark *

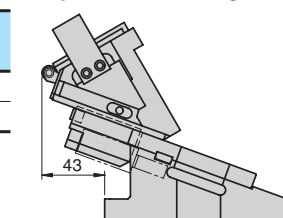
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	362.6
800	158.9	369.4

Space for removing

Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.

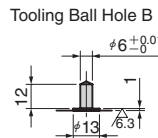
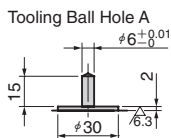
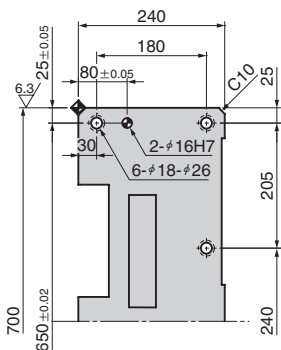
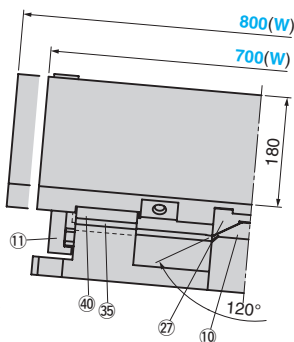
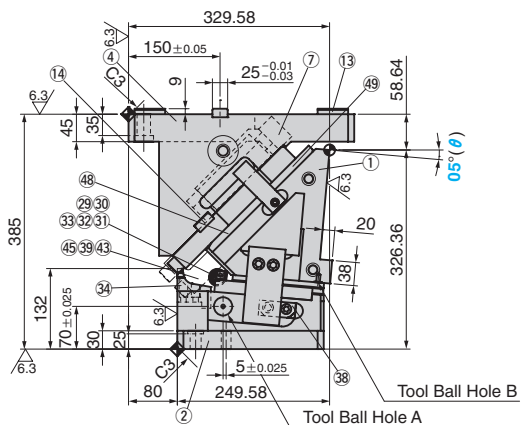
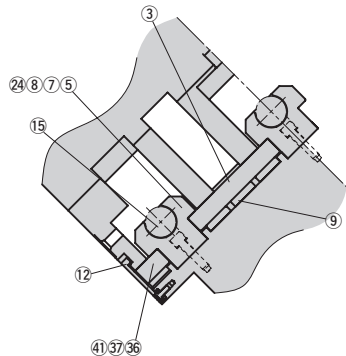
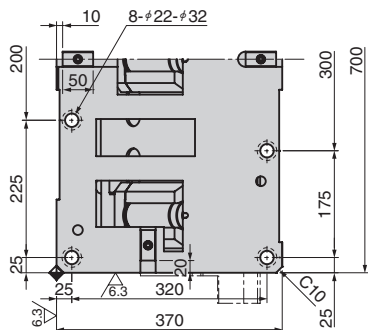
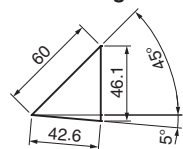
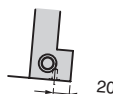

Order
UCMSL700 - 00 - GK - NF
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL700 / 800 - 05
Cam Diagram

 Tooling Ball Hole B
Hole Pitch=640


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
42.6	470.4	—	28023 (2859.5)	38166 (3894.5)	UCMSL	700 800	05	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	05	—	GK
UCMSL	800	—	05	—	NGK

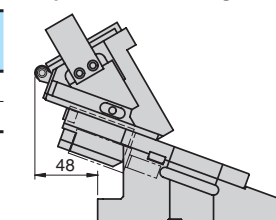

 Mark *
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	358.9
800	158.9	365.7

Space for removing


Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 05 - GK - NF
Table of Components

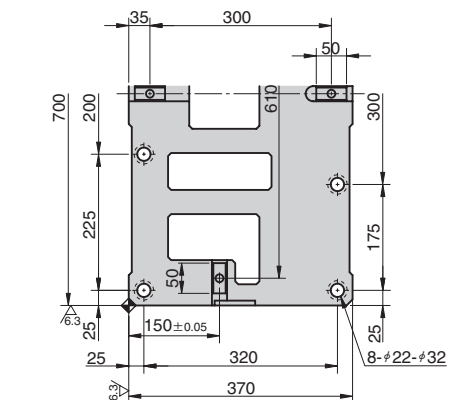
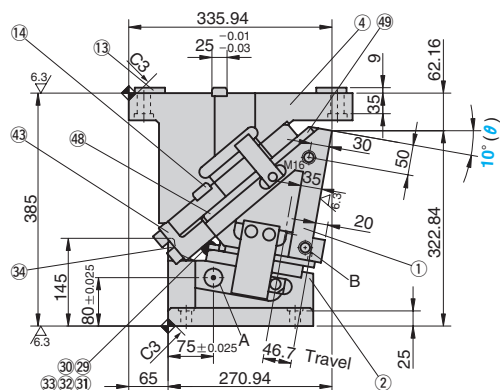
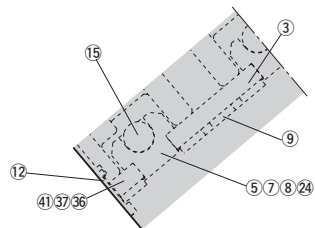
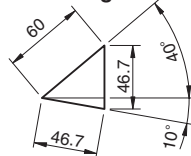
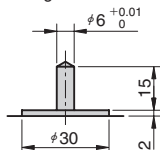
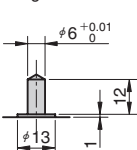
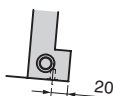
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL700 / 800 - 10


Cam Diagram

Tooling Ball Hole A

Tooling Ball Hole B

 • Tooling Ball Hole B
Hole Pitch = 640


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
46.7	470.4	—	28023 (2859.5)	38022 (3879.8)	UCMSL	700 800	10	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	10	—	GK
UCMSL	800	—	10	—	NGK



Mark *

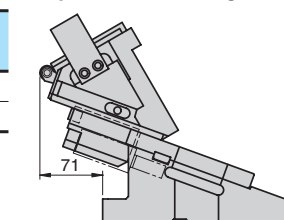
Without gas spring but accessories for installation of each type are included.

Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	357.2
800	158.9	364

Space for removing


Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 10 - GK - NF

Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)

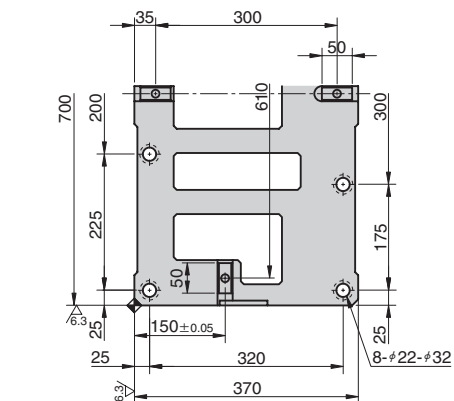
No.	Description	Qty	Material and Remark
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



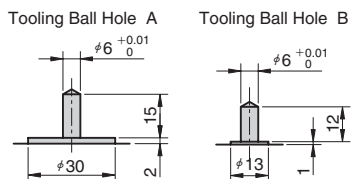
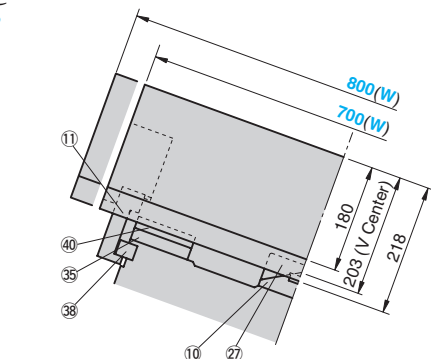
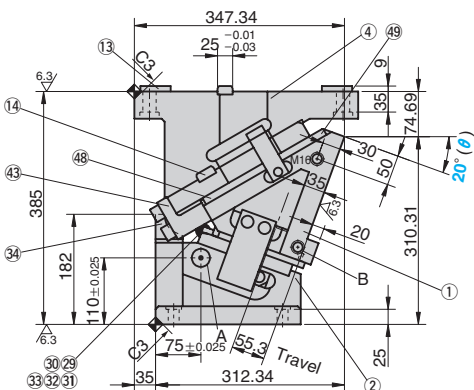
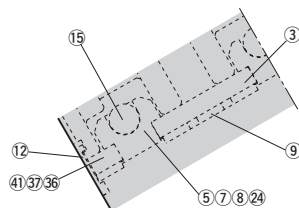
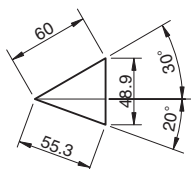
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**UCMSL
700/800**

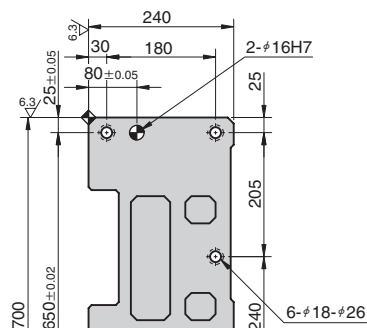
UCMSL700 / 800 - 20



Cam Diagram



• Tooling Ball Hole B
Hole Pitch=640



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
55.3	470.4	—	28023 (2859.5)	37712 (3848.2)	UCMSL	700 800	20	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	20	—	GK
UCMSL	800	—	20	—	NGK



Mark *

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

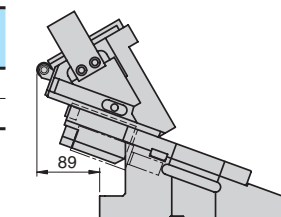
Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	356.1
800	158.9	363

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 20 - GK - NF

Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)

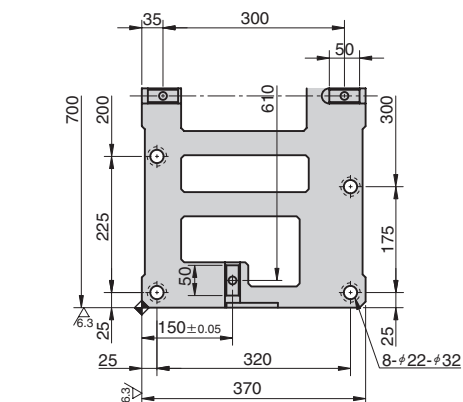
No.	Description	Qty	Material and Remark
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



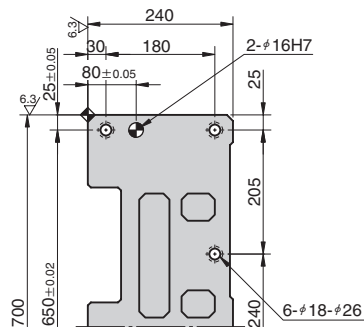
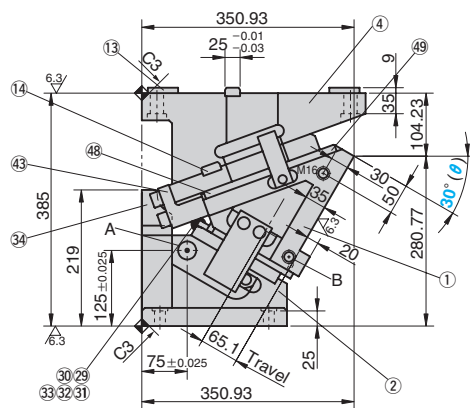
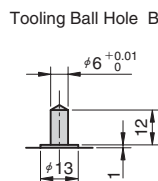
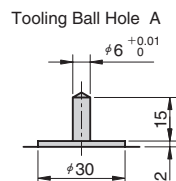
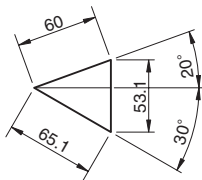
Bolts for assembly are not indicated.

**UCMSL
700/800**

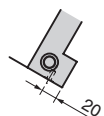
UCMSL700 / 800 - 30



Cam Diagram



• Tooling Ball Hole B
Hole Pitch = 640



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
65.1	470.4	—	28023 (2859.5)	37380 (3814.3)	UCMSL	700 800	30	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	30	—	GK
UCMSL	800	—	30	—	NGK

Mark *

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

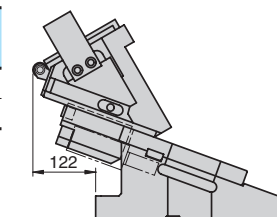
Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	362.7
800	158.9	369.5

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.

Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 30 - GK - NF

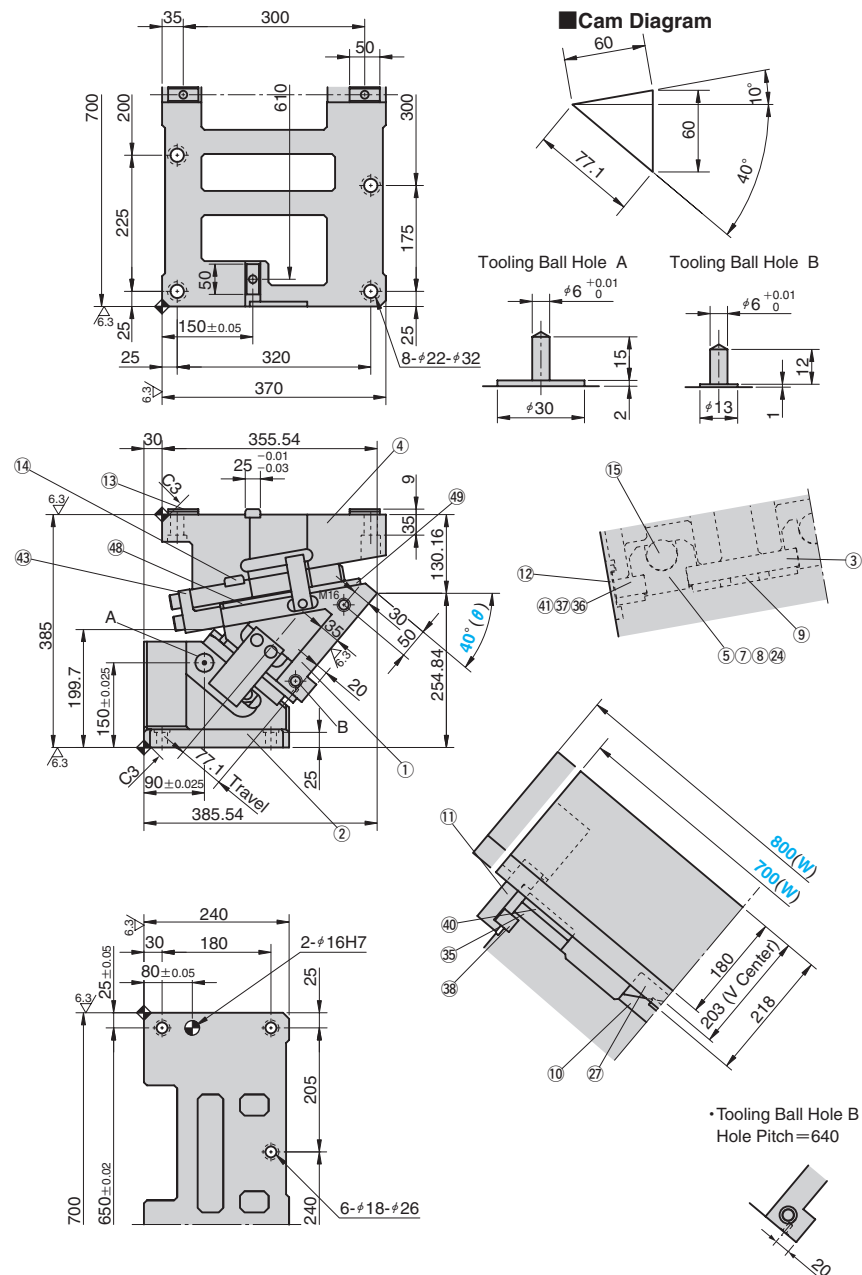
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	1	S45C (1045)
30	Roller	1	S45C (1045)
31	Roller Pin	1	S45C (1045)
32	Bushing	1	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	2	φ9
34	Roller Driver	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite

Bolts for assembly are not indicated.

UCMSL700 / 800 - 40



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
77.1	470.4	—	28023 (2859.5)	37036 (3779.1)	UCMSL	700 800	40	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	40	—	GK
UCMSL	800	—	40	—	NGK



Mark *

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

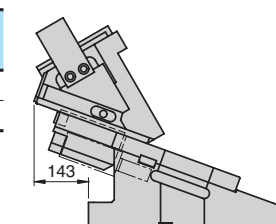
Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	377.0
800	158.9	383.8

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 40 - GK - NF

Table of Components

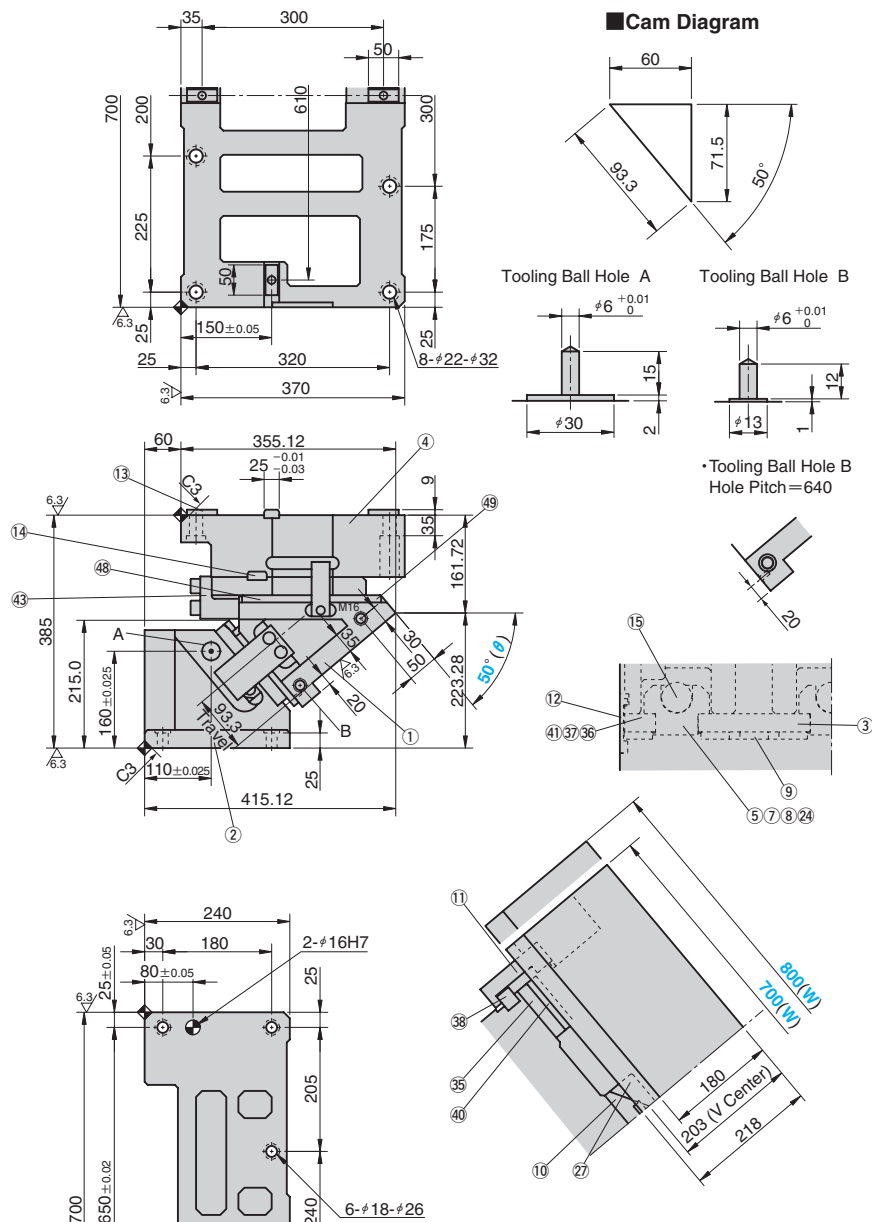
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80
24	Stopper	6	Urethane PCU20

No.	Description	Qty	Material and Remark
27	Cam Slide Guide	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL700 / 800 - 50



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
93.3	470.4	—	28023 (2859.5)	36690 (3743.8)	UCMSL	700 800	50	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	50	—	GK
UCMSL	800	—	50	—	NGK



Mark *

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

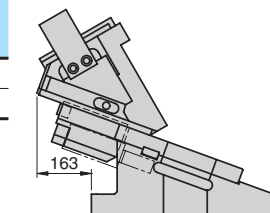
Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
15	GK	K750-80-TD (KALLER)
	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	152	386.5
800	158.9	393.4

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 50 - GK - NF

Table of Components

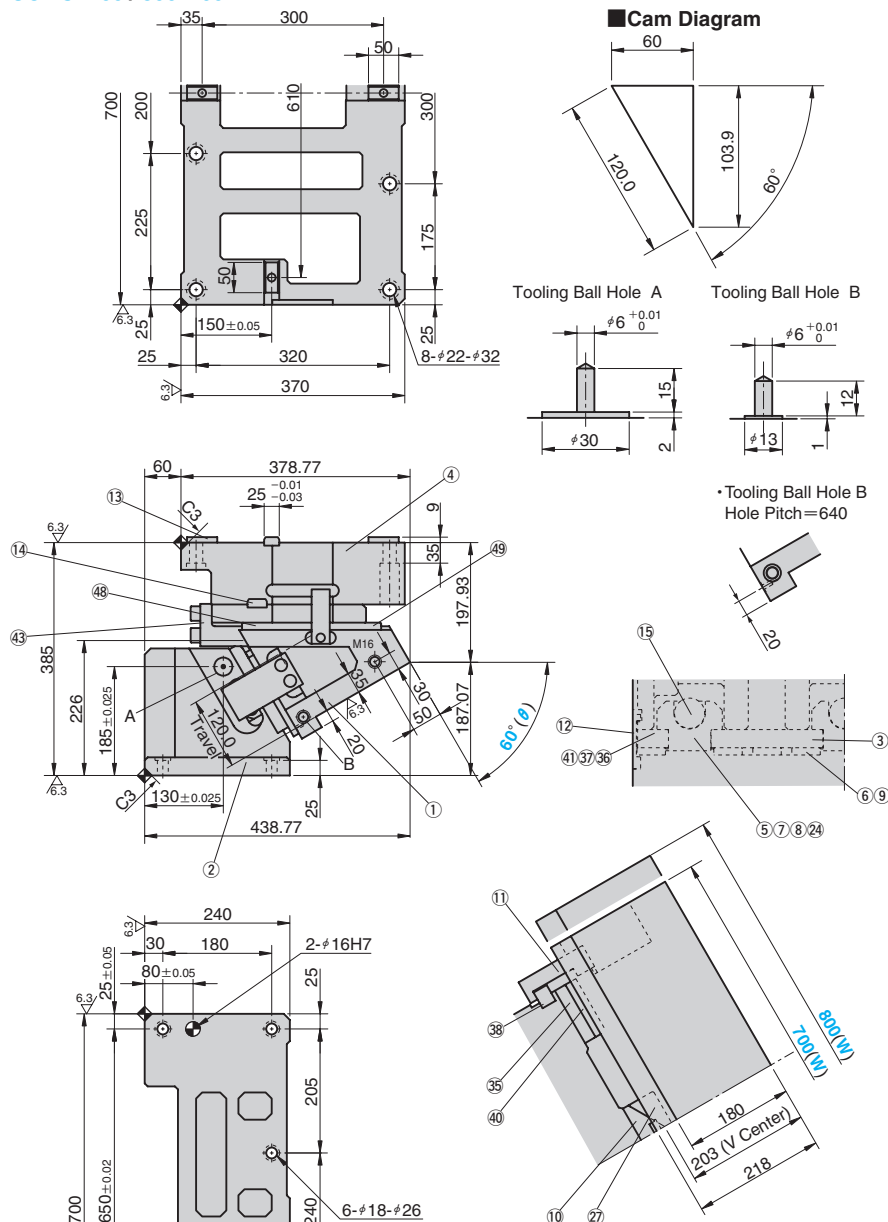
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	6	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80

No.	Description	Qty	Material and Remark
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL700 / 800 - 60



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
120.0	470.4	—	28023 (2859.5)	44098 (4499.8)	UCMSL	700 800	60	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	700	—	60	—	GK
UCMSL	800	—	60	—	NGK



Mark *

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

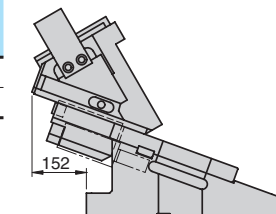
Spring Specification (Qty 3)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
700	166.8	412.7
800	175.3	421.2

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL700 - 60 - GK - NF

Table of Components

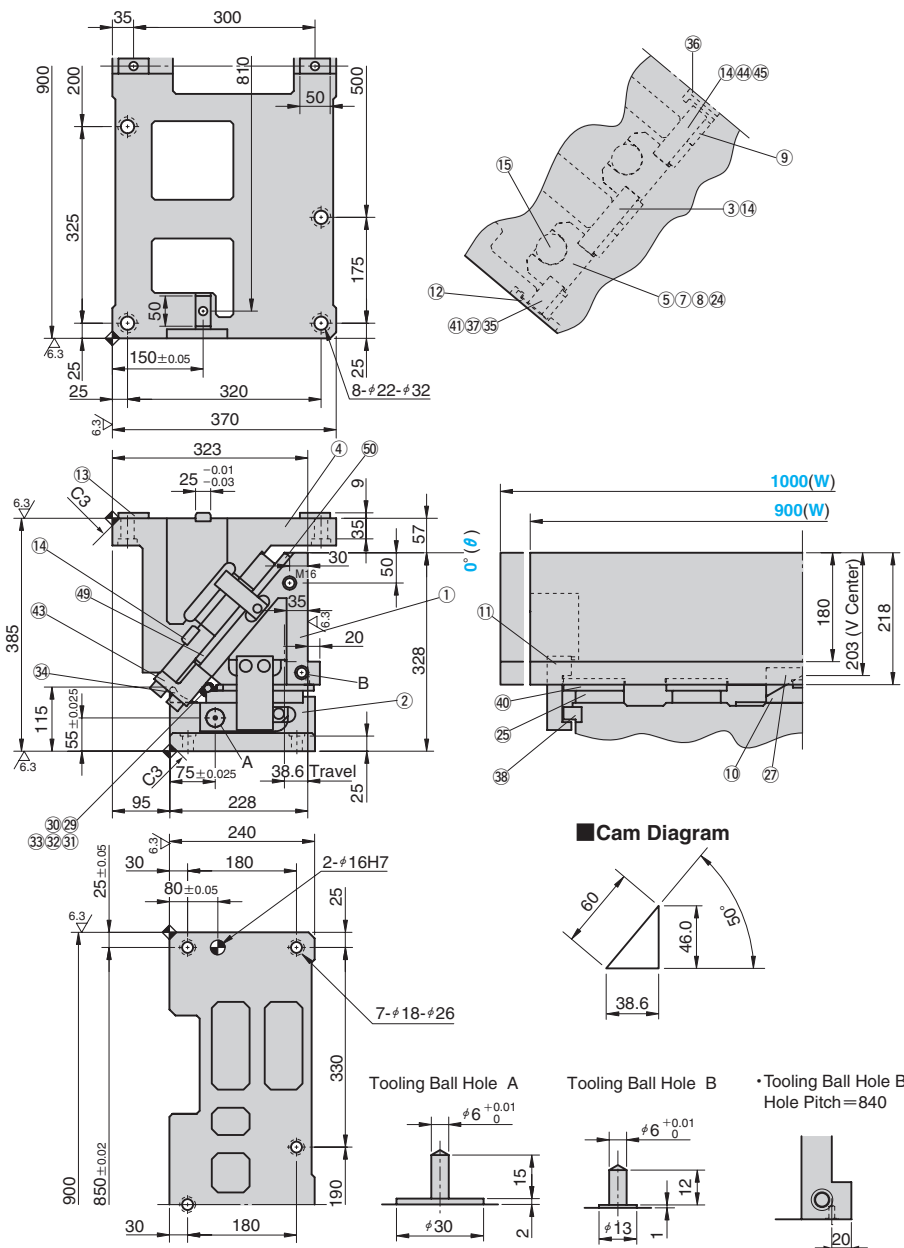
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	3	Bronze with Graphite
6	Slide Lower Plate A	2	Bronze with Graphite
7	Guide Pin Block	3	SS400 (1020)
8	Spring Guide Plate	3	SS400 (1020)
9	Slide Lower Plate B	4	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	3	K750-80

No.	Description	Qty	Material and Remark
24	Stopper	6	Urethane PCU20
27	Cam Slide Guide	1	S45C (1045)
35	Cam Slide Plate	2	Bronze with Graphite
36	Base Plate B (R)	1	S45C (1045)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	2	S45C (1045)
41	Stopper Plate	3	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
48	Slide Plate	2	Bronze with Graphite
49	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL900 / 1000 - 00



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
38.6	627.2	—	37364 (3812.7)	51041 (5208.2)	UCMSL	900 1000	00	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
-------------	-----	---	-----	---	----

UCMSL

900

—

00

—

GK

UCMSL

1000

—

00

—

NGK

.....Without gas spring



Mark *

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

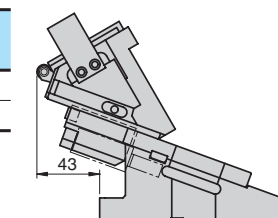
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	463.3
1000	206.4	470.2

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 00 - GK - NF

Table of Components

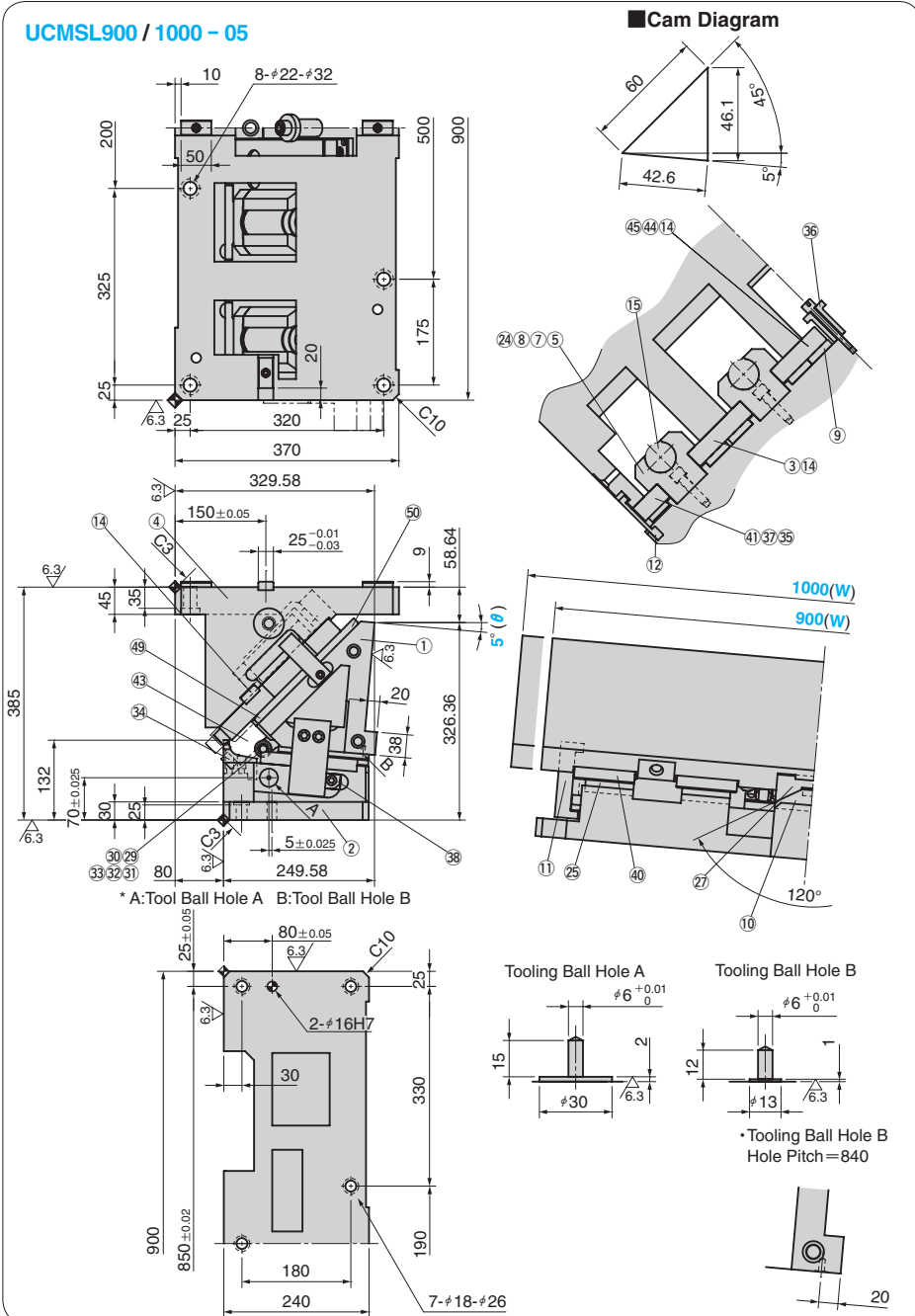
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	4	Bronze with Graphite
7	Guide Pin Block	4	SS400 (1020)
8	Spring Guide Plate	4	SS400 (1020)
9	Slide Lower Plate B	8	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	4	K750-80
24	Stopper	8	Urethane PCU20
25	Cam Slide Plate	4	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	2	S45C (1045)
30	Roller	2	S45C (1045)
31	Roller Pin	2	S45C (1045)
32	Bushing	2	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	4	φ9
34	Roller Driver	2	S45C (1045)
35	Base Plate B (R)	1	S45C (1045)
36	Safety Pin	1	SS400(1020)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	4	S45C (1045)
41	Stopper Plate	4	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
44	Base Plate C (R)	1	S45C (1045)
45	Base Plate C (L)	1	S45C (1045)
49	Slide Plate	2	Bronze with Graphite
50	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL900 / 1000 - 05



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
42.6	627.2	—	37364 (3812.7)	50864 (5190.2)	UCMSL	900 1000	05	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
-------------	-----	---	-----	---	----

UCMSL

900

—

05

—

GK

UCMSL

1000

—

05

—

NGK

.....Without gas spring



Mark *

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

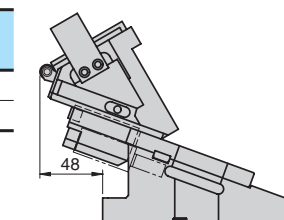
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
⑮	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	459.2
1000	206.4	466.1

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 05 - GK - NF

Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	8	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80
⑳	Stopper	8	Urethane PCU20
㉕	Cam Slide Plate	4	Bronze with Graphite
㉗	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
㉙	Roller Bracket	2	S45C (1045)
㉚	Roller	2	S45C (1045)
㉛	Roller Pin	2	S45C (1045)
㉜	Bushing	2	Bronze with Graphite (SOB12-18-16)
㉝	Snap Ring E Type	4	φ9
㉞	Roller Driver	2	S45C (1045)
㉟	Base Plate B (R)	1	S45C (1045)
㊱	Safety Pin	1	SS400(1020)
㊲	Base Plate B (L)	1	S45C (1045)
㊳	Positive Return Block	2	Bronze with Graphite
㊴	Lower Slide Plate B	4	S45C (1045)
㊵	Stopper Plate	4	SS400 (1020)
㊶	Lock Plate	2	SS400 (1020)
㊷	Base Plate C (R)	1	S45C (1045)
㊸	Base Plate C (L)	1	S45C (1045)
㊹	Slide Plate	2	Bronze with Graphite
㊺	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

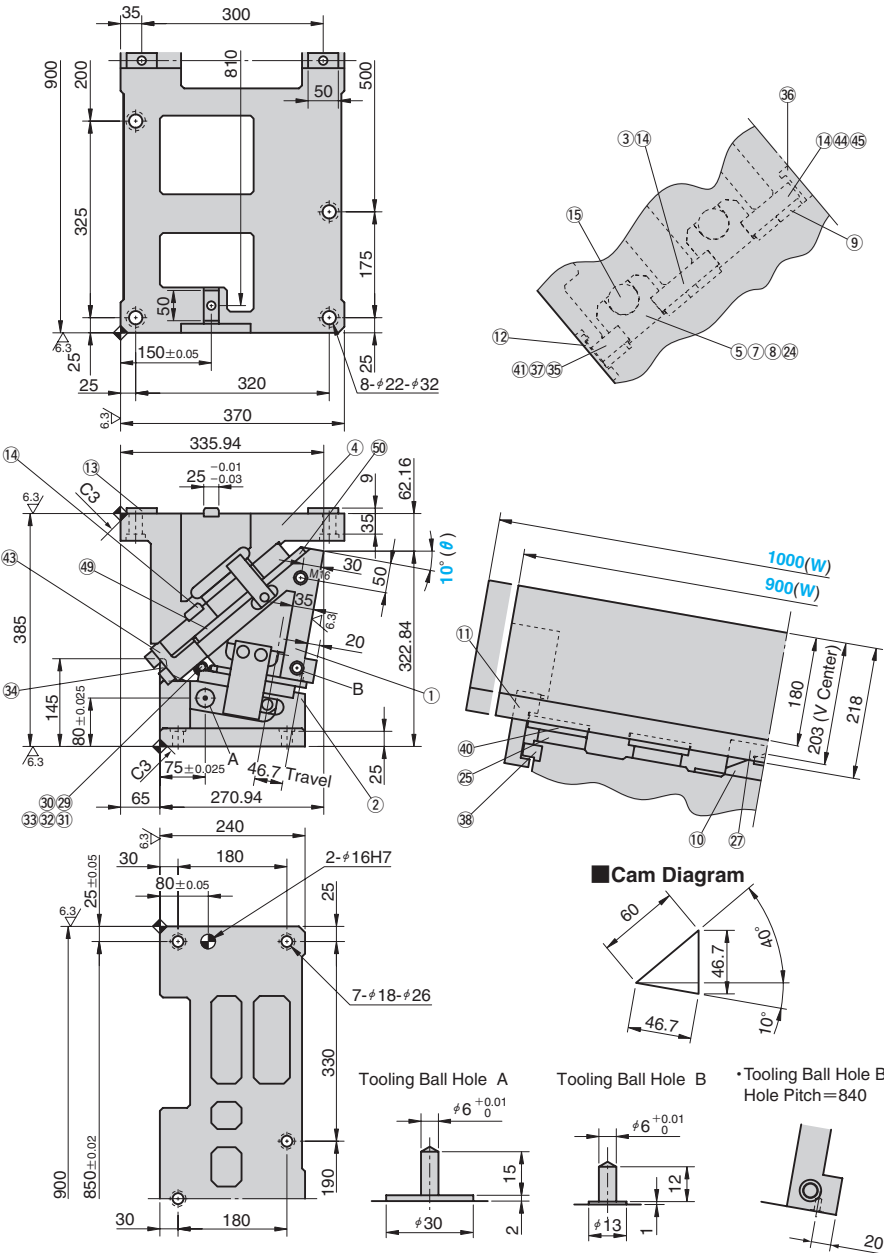
Aerial Cam Unit

LARGE TYPE FOR PIERCE AND FLANGE

CAD
FILE

Cam Unit

UCMSL900 / 1000 - 10



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
46.7	627.2	—	37364 (3812.7)	50675 (5170.9)	UCMSL	900 1000	10	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	900	—	10	—	GK
UCMSL	1000	—	10	—	NGK



Mark *

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

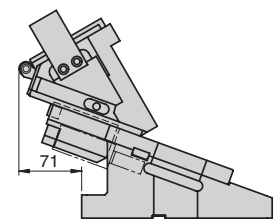
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	457.7
1000	206.4	464.6

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 10 - GK - NF

Table of Components

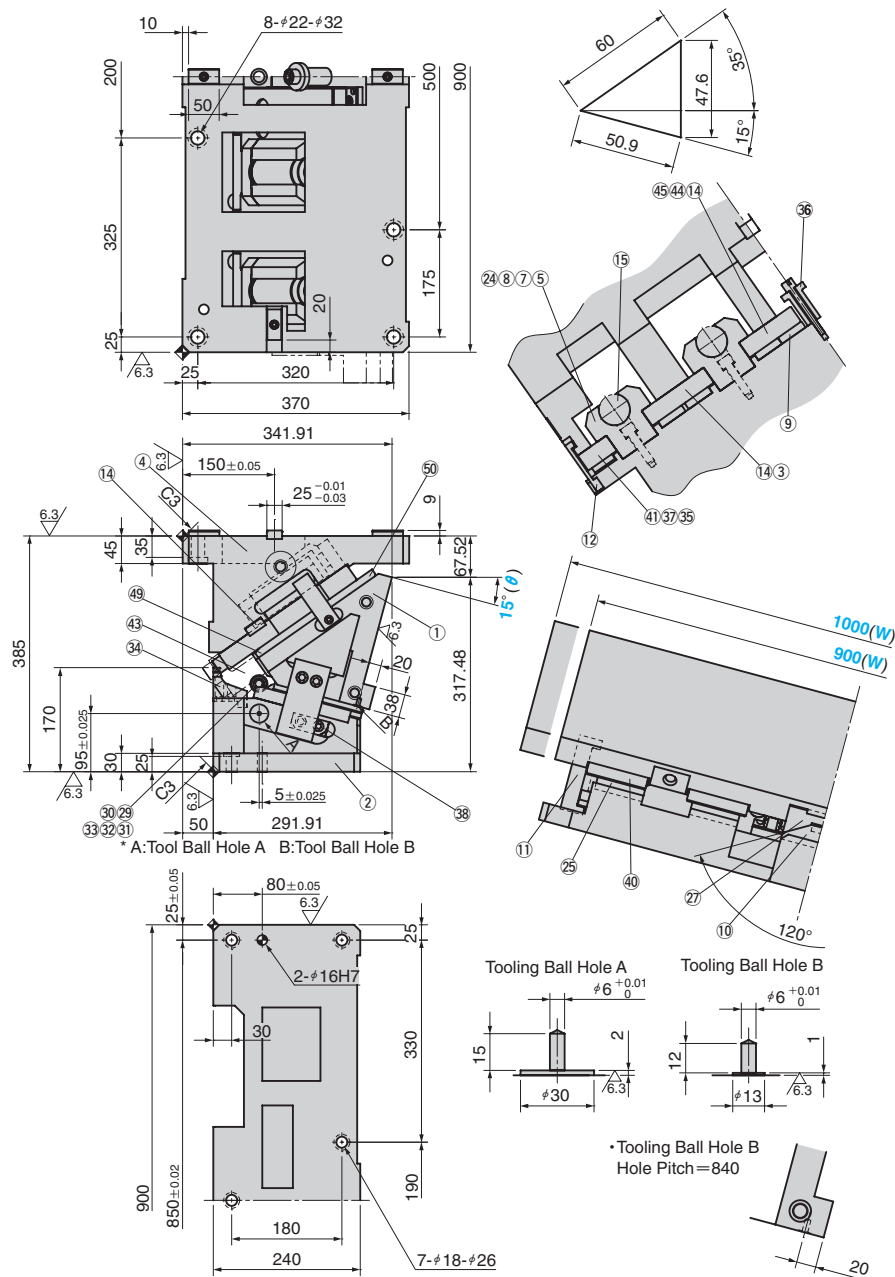
No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	4	Bronze with Graphite
7	Guide Pin Block	4	SS400 (1020)
8	Spring Guide Plate	4	SS400 (1020)
9	Slide Lower Plate B	8	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	4	K750-80
24	Stopper	8	Urethane PCU20
25	Cam Slide Plate	4	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	2	S45C (1045)
30	Roller	2	S45C (1045)
31	Roller Pin	2	S45C (1045)
32	Bushing	2	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	4	φ9
34	Roller Driver	2	S45C (1045)
35	Base Plate B (R)	1	S45C (1045)
36	Safety Pin	1	SS400(1020)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	4	S45C (1045)
41	Stopper Plate	4	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
44	Base Plate C (R)	1	S45C (1045)
45	Base Plate C (L)	1	S45C (1045)
49	Slide Plate	2	Bronze with Graphite
50	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL900 / 1000 - 15



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
50.9	627.2	—	37364 (3812.7)	50476 (5150.6)	UCMSL	900 1000	15	GK *NGK GD *NGD GS *NGS



Order

Catalog No. (W) — (θ) — PS

UCMSL 900 — 15 — GK

UCMSL 1000 — 15 — NGK

Without gas spring



Mark *

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

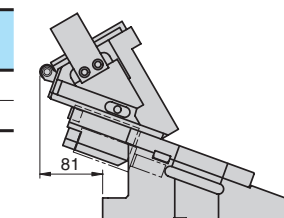
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	457.8
1000	206.4	464.7

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 15 - GK - NF

Table of Components

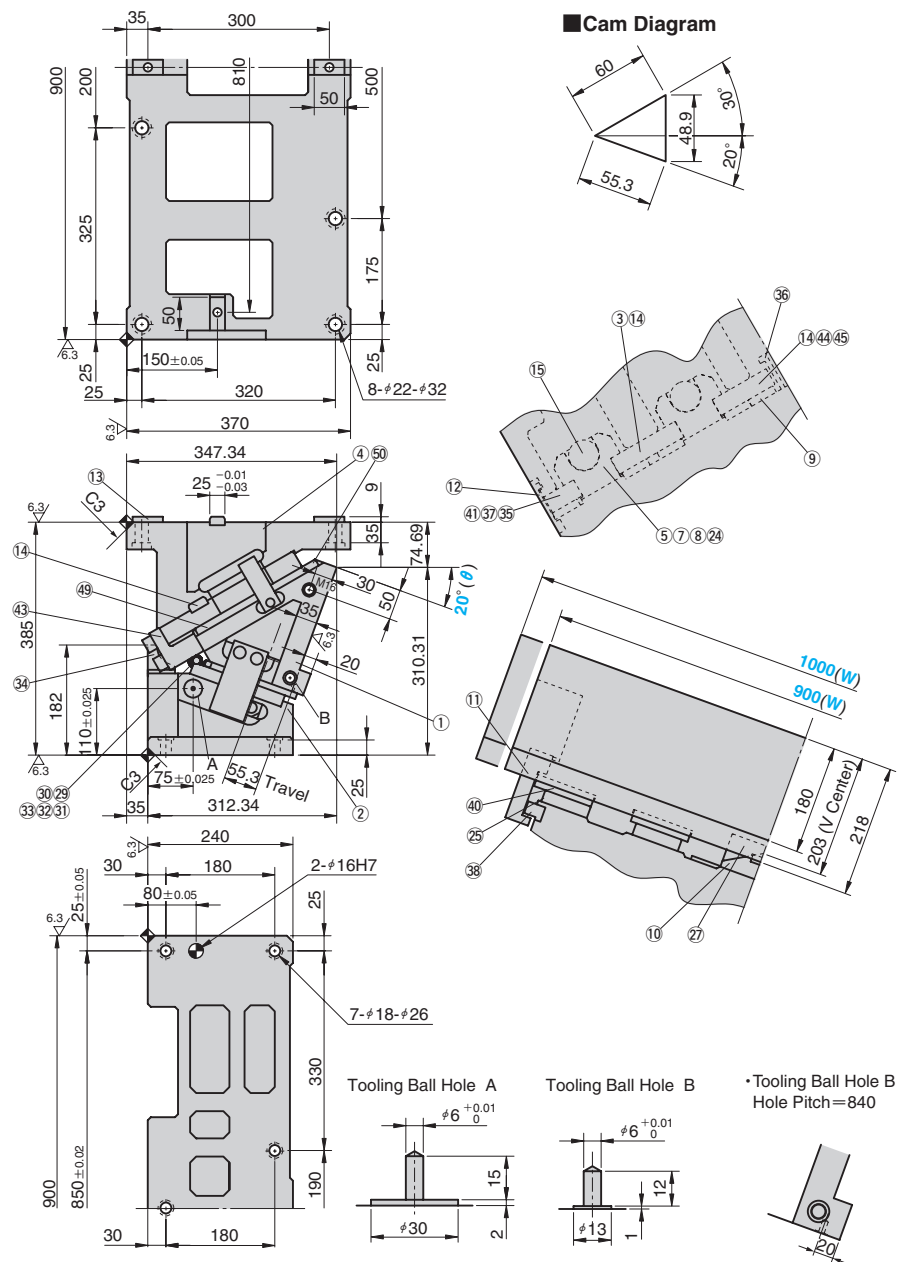
No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	8	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80
⑳	Stopper	8	Urethane PCU20
㉑	Cam Slide Plate	4	Bronze with Graphite
㉒	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
㉓	Roller Bracket	2	S45C (1045)
㉔	Roller	2	S45C (1045)
㉕	Roller Pin	2	S45C (1045)
㉖	Bushing	2	Bronze with Graphite (SOB12-18-16)
㉗	Snap Ring E Type	4	φ9
㉘	Roller Driver	2	S45C (1045)
㉙	Base Plate B (R)	1	S45C (1045)
㉚	Safety Pin	1	SS400(1020)
㉛	Base Plate B (L)	1	S45C (1045)
㉜	Positive Return Block	2	Bronze with Graphite
㉝	Lower Slide Plate B	4	S45C (1045)
㉞	Stopper Plate	4	SS400 (1020)
㉟	Lock Plate	2	SS400 (1020)
㊱	Base Plate C (R)	1	S45C (1045)
㊲	Base Plate C (L)	1	S45C (1045)
㊳	Slide Plate	2	Bronze with Graphite
㊴	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL900 / 1000 - 20



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
55.3	627.2	—	37364 (3812.7)	50268 (5129.4)	UCMSL	900 1000	20	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
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UCMSL

900

—

20

—

GK

UCMSL

1000

—

20

—

NGK

.....Without gas spring



Mark *

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

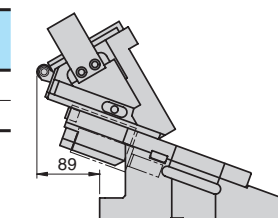
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	459.7
1000	206.4	466.5

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 20 - GK - NF

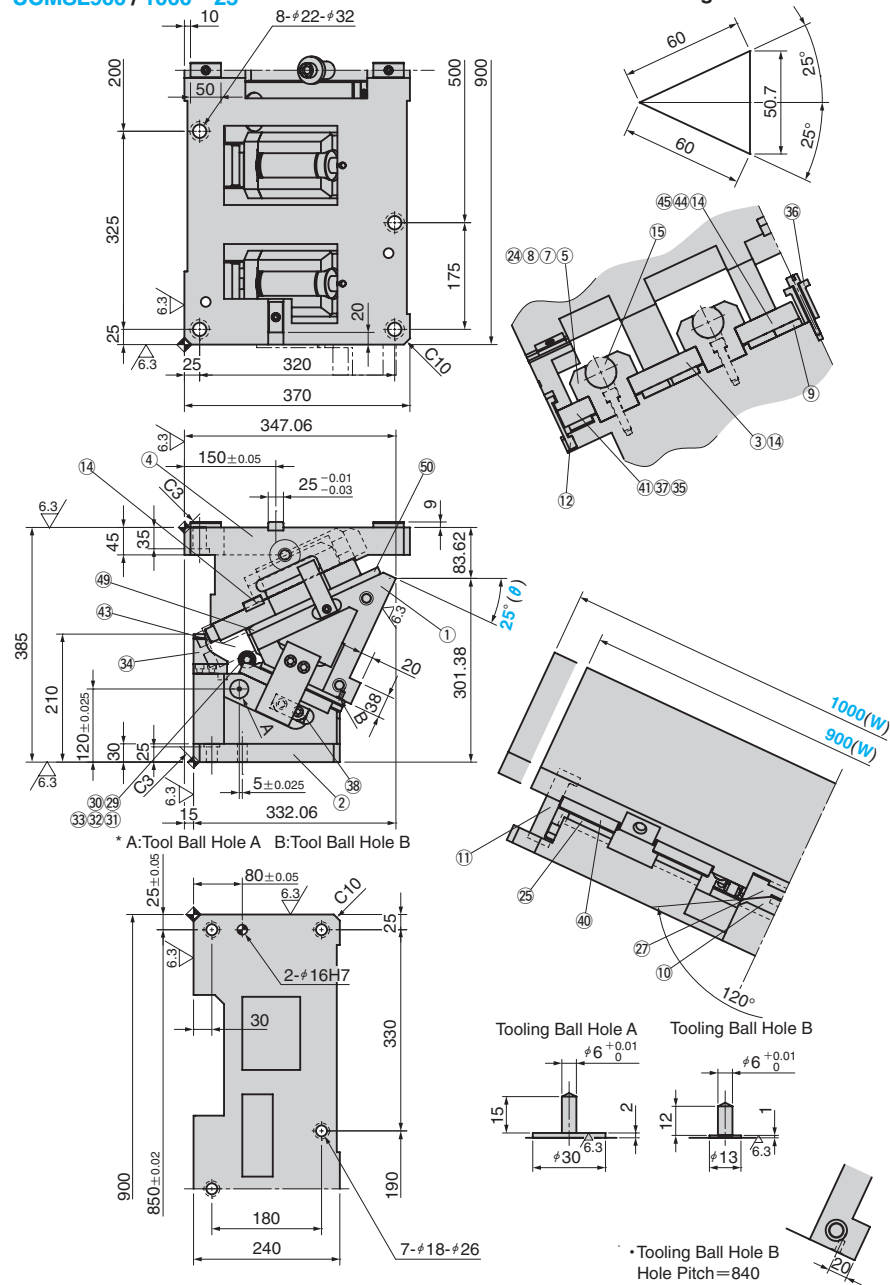
Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	4	Bronze with Graphite
7	Guide Pin Block	4	SS400 (1020)
8	Spring Guide Plate	4	SS400 (1020)
9	Slide Lower Plate B	8	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	4	K750-80
24	Stopper	8	Urethane PCU20
25	Cam Slide Plate	4	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	2	S45C (1045)
30	Roller	2	S45C (1045)
31	Roller Pin	2	S45C (1045)
32	Bushing	2	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	4	φ9
34	Roller Driver	2	S45C (1045)
35	Base Plate B (R)	1	S45C (1045)
36	Safety Pin	1	SS400(1020)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	4	S45C (1045)
41	Stopper Plate	4	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
44	Base Plate C (R)	1	S45C (1045)
45	Base Plate C (L)	1	S45C (1045)
49	Slide Plate	2	Bronze with Graphite
50	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
60.0	627.2	—	37364 (3812.7)	50052 (5107.4)	UCMSL	900 1000	25	GK *NGK
								GD *NGD
								GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
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UCMSL

UCMSL

Source

 Mark *

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

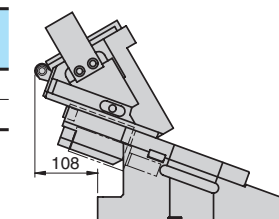
■ Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
(15)	GK	K750-80-TD (KALLER)
	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

■ Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	461.5
1000	206.4	468.4

■Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 – 25 – GK – NF

■ Table of Components

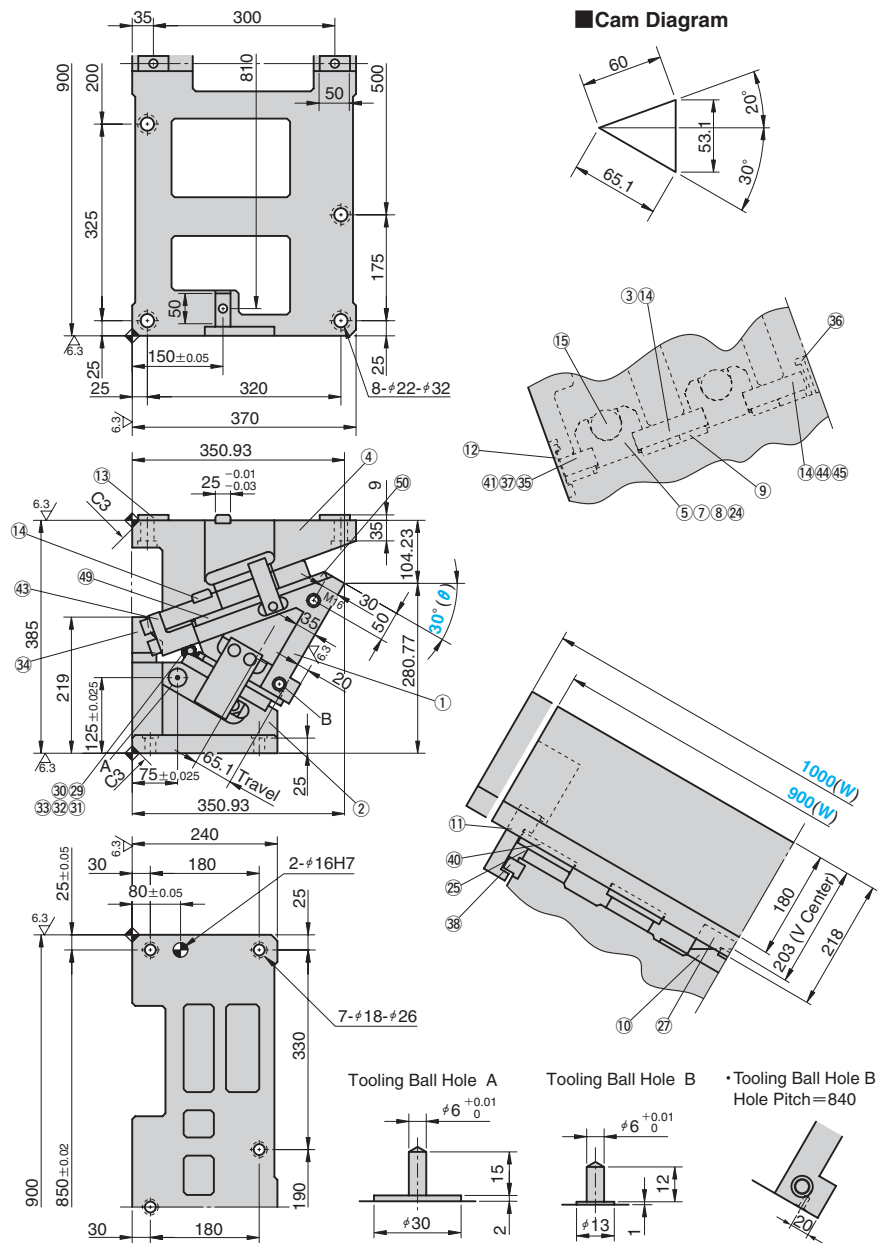
No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	8	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80
24	Stopper	8	Urethane PCU20
25	Cam Slide Plate	4	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	2	S45C (1045)
30	Roller	2	S45C (1045)
31	Roller Pin	2	S45C (1045)
32	Bushing	2	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	4	φ9
34	Roller Driver	2	S45C (1045)
35	Base Plate B (R)	1	S45C (1045)
36	Safety Pin	1	SS400(1020)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	4	S45C (1045)
41	Stopper Plate	4	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
44	Base Plate C (R)	1	S45C (1045)
45	Base Plate C (L)	1	S45C (1045)
49	Slide Plate	2	Bronze with Graphite
50	Slide Plate	2	Bronze with Graphite



 Bolts for assembly are not indicated.

UCMSL900 / 1000 - 30



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
65.1	627.2	—	37364 (3812.7)	49832 (5084.9)	UCMSL	900 1000	30	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	(θ)	PS
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UCMSL 900

30

GK

UCMSL 1000

30

NGK

Without gas spring



Mark *

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

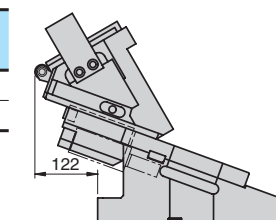
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
15	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	467.8
1000	206.4	474.7

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 30 - GK - NF

Table of Components

No.	Description	Qty	Material and Remark
1	Cam Slider	1	FC250
2	Cam Driver	1	FC250
3	Base Plate A	2	S45C (1045)
4	Cam Holder	1	FC250
5	Spring Guide Block	4	Bronze with Graphite
7	Guide Pin Block	4	SS400 (1020)
8	Spring Guide Plate	4	SS400 (1020)
9	Slide Lower Plate B	8	Bronze with Graphite
10	Cam Slide Guide	1	Bronze with Graphite
11	Positive Return Follower	2	S45C (1045)
12	Safety Plate	2	S45C (1045)
13	Key A	4	SS400 (1020)
14	Key B	6	SS400 (1020)
15	Gas Spring	4	K750-80
24	Stopper	8	Urethane PCU20
25	Cam Slide Plate	4	Bronze with Graphite
27	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
29	Roller Bracket	2	S45C (1045)
30	Roller	2	S45C (1045)
31	Roller Pin	2	S45C (1045)
32	Bushing	2	Bronze with Graphite (SOB12-18-16)
33	Snap Ring E Type	4	φ9
34	Roller Driver	2	S45C (1045)
35	Base Plate B (R)	1	S45C (1045)
36	Safety Pin	1	SS400(1020)
37	Base Plate B (L)	1	S45C (1045)
38	Positive Return Block	2	Bronze with Graphite
40	Lower Slide Plate B	4	S45C (1045)
41	Stopper Plate	4	SS400 (1020)
43	Lock Plate	2	SS400 (1020)
44	Base Plate C (R)	1	S45C (1045)
45	Base Plate C (L)	1	S45C (1045)
49	Slide Plate	2	Bronze with Graphite
50	Slide Plate	2	Bronze with Graphite



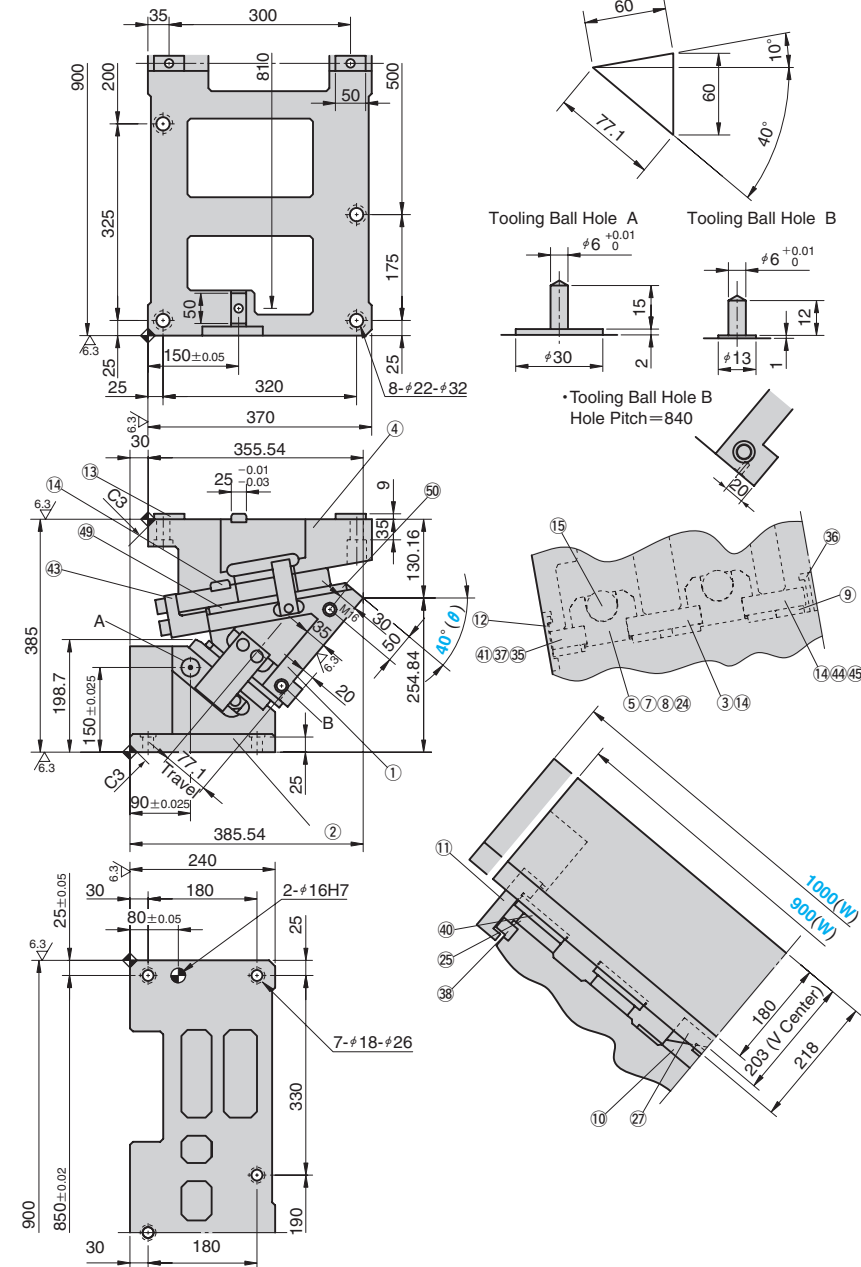
Bolts for assembly are not indicated.

Aerial Cam Unit

LARGE TYPE FOR PIERCE AND FLANGE

CAD
FILE

UCMSL900 / 1000 - 40



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
77.1	627.2	—	37364 (3812.7)	49380 (5038.7)	UCMSL	900 1000	40	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	900	—	40	—	GK
UCMSL	1000	—	40	—	NGK



Mark *

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

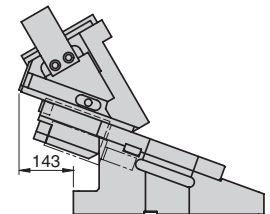
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
⑮	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	487.3
1000	206.4	494.2

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 40 - GK - NF

Table of Components

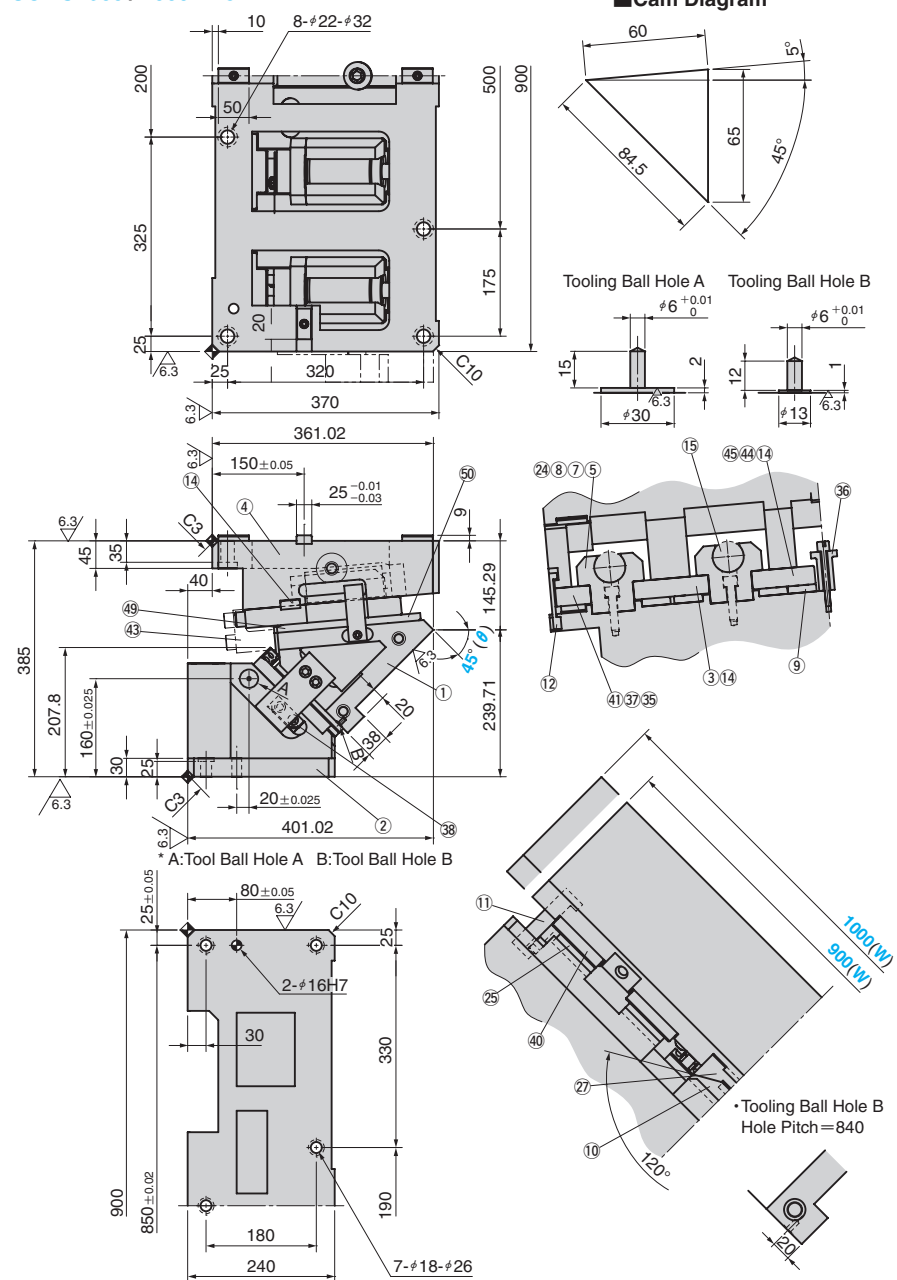
No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	8	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80
⑳	Stopper	8	Urethane PCU20
㉑	Cam Slide Plate	4	Bronze with Graphite
㉒	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
㉓	Base Plate B (R)	1	S45C (1045)
㉔	Safety Pin	1	SS400(1020)
㉕	Base Plate B (L)	1	S45C (1045)
㉖	Positive Return Block	2	Bronze with Graphite
㉗	Lower Slide Plate B	4	S45C (1045)
㉘	Stopper Plate	4	SS400 (1020)
㉙	Lock Plate	2	SS400 (1020)
㉚	Base Plate C (R)	1	S45C (1045)
㉛	Base Plate C (L)	1	S45C (1045)
㉜	Slide Plate	2	Bronze with Graphite
㉝	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL900 / 1000 - 45



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
84.5	627.2	—	37364 (3812.7)	49152 (5015.5)	UCMSL	900 1000	45	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	900	—	45	—	GK
UCMSL	1000	—	45	—	NGK



Mark *

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

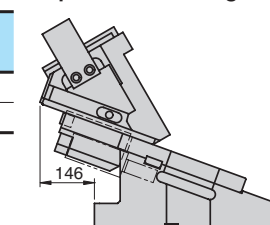
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
⑮	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	499.4
1000	206.4	506.3

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 45 - GK - NF

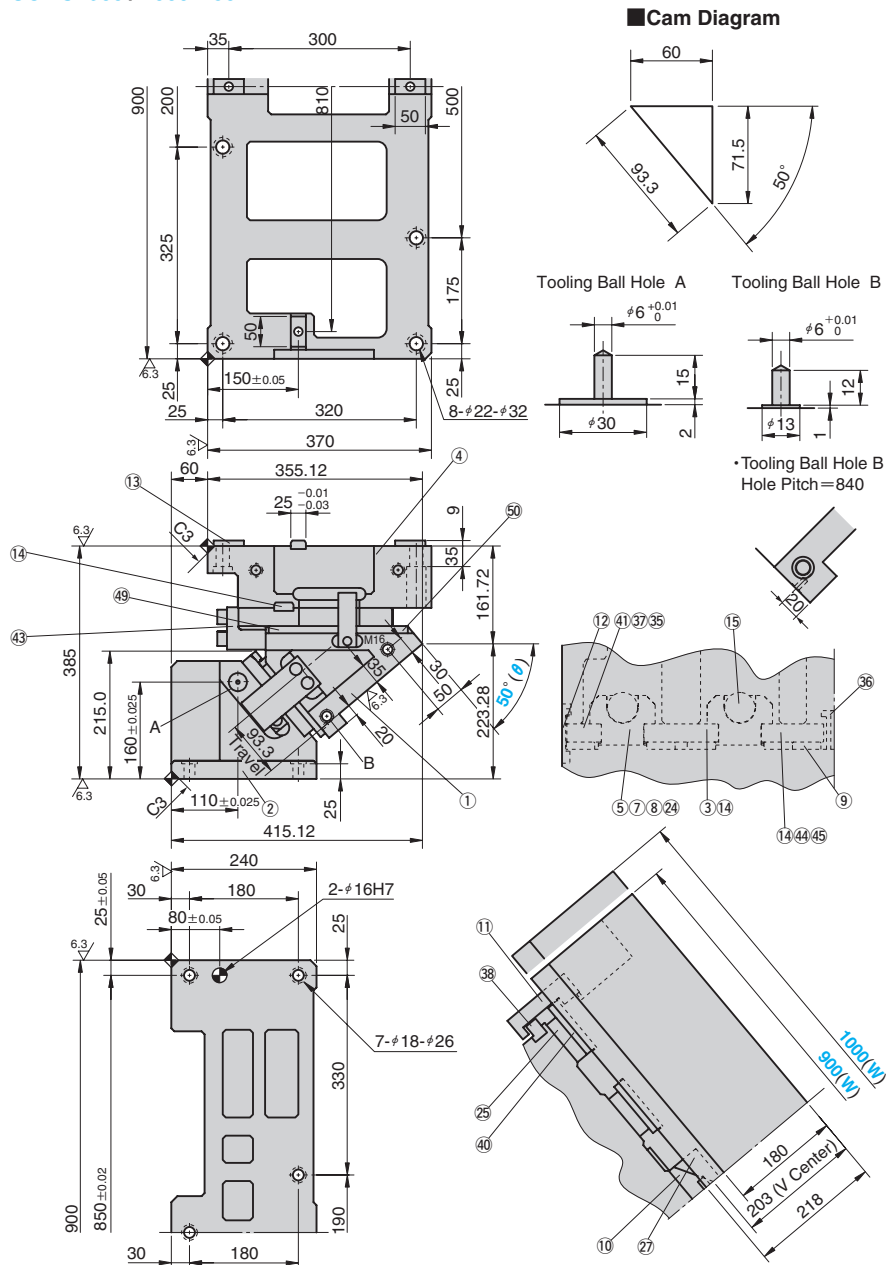
Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	8	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80
⑳	Stopper	8	Urethane PCU20
㉑	Cam Slide Plate	4	Bronze with Graphite
㉒	Cam Slide Guide	1	S45C (1045)

No.	Description	Qty	Material and Remark
㉓	Base Plate B (R)	1	S45C (1045)
㉔	Safety Pin	1	SS400(1020)
㉕	Base Plate B (L)	1	S45C (1045)
㉖	Positive Return Block	2	Bronze with Graphite
㉗	Lower Slide Plate B	4	S45C (1045)
㉘	Stopper Plate	4	SS400 (1020)
㉙	Lock Plate	2	SS400 (1020)
㉚	Base Plate C (R)	1	S45C (1045)
㉛	Base Plate C (L)	1	S45C (1045)
㉜	Slide Plate	2	Bronze with Graphite
㉝	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

UCMSL900 / 1000 - 50


Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
93.3	627.2	—	37364 (3812.7)	48926 (4992.4)	UCMSL	900 1000	50	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	900	—	50	—	GK
UCMSL	1000	—	50	—	NGK



Mark *

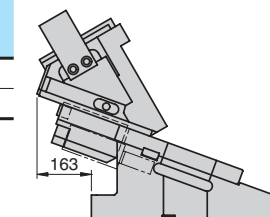
Without gas spring but accessories for installation of each type are included.

■ Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
⑮	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

■ Weight (kg)

(W)	Slider Weight	Total Weight
900	199.5	498.4
1000	206.4	505.3

■ Space for removing


Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 50 - GK - NF
■ Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	8	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80

No.	Description	Qty	Material and Remark
⑮	Stopper	8	Urethane PCU20
⑮	Cam Slide Plate	4	Bronze with Graphite
⑮	Cam Slide Guide	1	S45C (1045)
⑮	Base Plate B (R)	1	S45C (1045)
⑮	Safety Pin	1	SS400(1020)
⑮	Base Plate B (L)	1	S45C (1045)
⑮	Positive Return Block	2	Bronze with Graphite
⑮	Lower Slide Plate B	4	S45C (1045)
⑮	Stopper Plate	4	SS400 (1020)
⑮	Lock Plate	2	SS400 (1020)
⑮	Base Plate C (R)	1	S45C (1045)
⑮	Base Plate C (L)	1	S45C (1045)
⑮	Slide Plate	2	Bronze with Graphite
⑮	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.

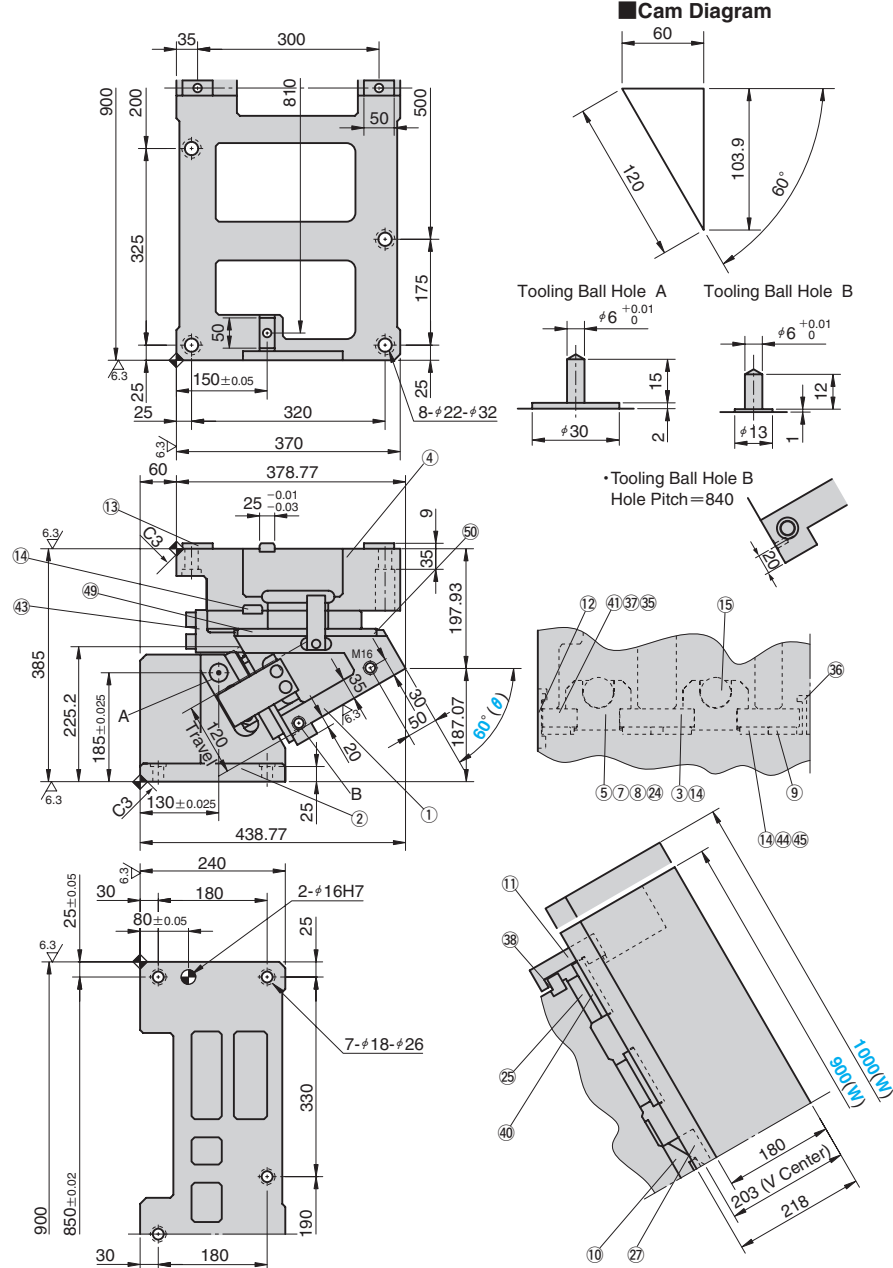
**UCMSL
900/1000**

Aerial Cam Unit

LARGE TYPE FOR PIERCE AND FLANGE

CAD
FILE

UCMSL900 / 1000 - 60



Travel S	Working Force kN	Spring Force N(kgf)		Return Force N(kgf)	Catalog No.	(W)	(θ)	Spring Type PS
		Initial Load	Final Load					
120.0	627.2	—	37364 (3812.7)	58804 (6000.4)	UCMSL	900 1000	60	GK *NGK GD *NGD GS *NGS



Order

Catalog No.	(W)	—	(θ)	—	PS
UCMSL	900	—	60	—	GK
UCMSL	1000	—	60	—	NGK



Mark *

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

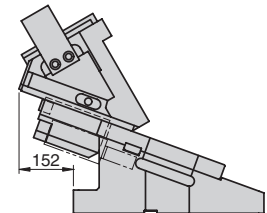
Spring Specification (Qty 4)

No.	Spring Type(PS)	Model
	GK	K750-80-TD (KALLER)
⑮	GD	L70.075.TO.140 (DADCO)
	GS	SM0750.75 (STD)

Weight (kg)

(W)	Slider Weight	Total Weight
900	219.7	535.2
1000	227.5	543.1

Space for removing



Option

Option Code	Specification
NF	Nitrogen gas is not charged. Applicable to GK, GD and GS only.



Gas Springs are not filled with nitrogen gas if delivery is by air freight.



Order

UCMSL900 - 60 - GK - NF

Table of Components

No.	Description	Qty	Material and Remark
①	Cam Slider	1	FC250
②	Cam Driver	1	FC250
③	Base Plate A	2	S45C (1045)
④	Cam Holder	1	FC250
⑤	Spring Guide Block	4	Bronze with Graphite
⑦	Guide Pin Block	4	SS400 (1020)
⑧	Spring Guide Plate	4	SS400 (1020)
⑨	Slide Lower Plate B	6	Bronze with Graphite
⑩	Cam Slide Guide	1	Bronze with Graphite
⑪	Positive Return Follower	2	S45C (1045)
⑫	Safety Plate	2	S45C (1045)
⑬	Key A	4	SS400 (1020)
⑭	Key B	6	SS400 (1020)
⑮	Gas Spring	4	K750-80

No.	Description	Qty	Material and Remark
⑳	Stopper	8	Urethane PCU20
㉑	Cam Slide Plate	4	Bronze with Graphite
㉒	Cam Slide Guide	1	S45C (1045)
㉓	Base Plate B (R)	1	S45C (1045)
㉔	Safety Pin	1	SS400(1020)
㉕	Base Plate B (L)	1	S45C (1045)
㉖	Positive Return Block	2	Bronze with Graphite
㉗	Lower Slide Plate B	4	S45C (1045)
㉘	Stopper Plate	4	SS400 (1020)
㉙	Lock Plate	2	SS400 (1020)
㉚	Base Plate C (R)	1	S45C (1045)
㉛	Base Plate C (L)	1	S45C (1045)
㉜	Slide Plate	2	Bronze with Graphite
㉝	Slide Plate	2	Bronze with Graphite



Bolts for assembly are not indicated.