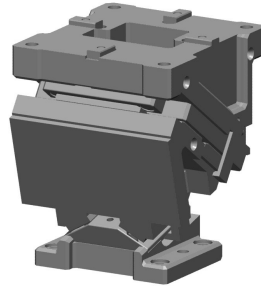


# UCMSNR [Overview]

## NAAMS Type

### Product Information

- Mount face widths 70, 80, 165, 200, 300, and 400.
- Working angles from 0° to 60° in 5° increments.
- Coil or Gas Spring can be selected for pressure source.
- Gas Spring is removable from the rear without disassembling.
- 65°, 70°, 75° upon request.



Mount face		Working Angle	Travel	Working Force kN (tonf)
W	H			
		00	19.3	
		05	21.3	
		10	23.3	
		15	25.4	
		20	27.6	
		25	30.0	
70	75	30	32.6	98.1 (10.0)
		35	35.4	
		40	38.6	
		45	42.3	
		50	46.7	
		55	43.6	
		60	50.0	
		00	32.1	
		05	35.5	
		10	38.9	
		15	42.4	
		20	46.1	
		25	50.0	
80	75	30	54.3	166.7 (17.0)
		35	59.0	
		40	64.3	
		45	70.4	
		50	77.8	
		55	78.5	
		60	80.0	

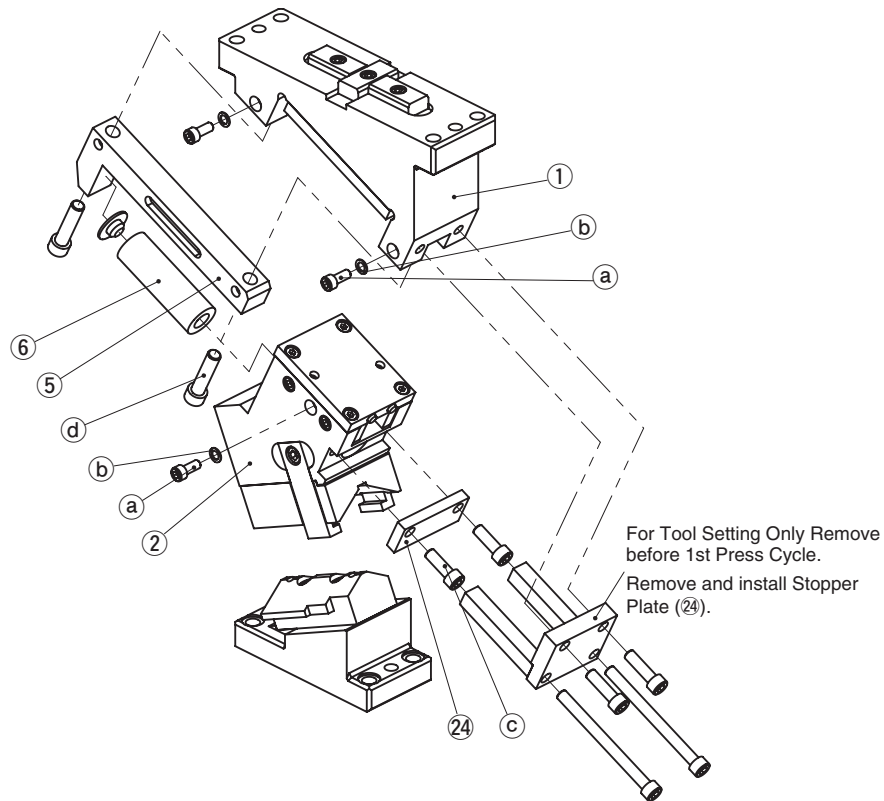
Mount face		Working Angle	Travel	Working Force kN (tonf)
W	H			
		00	32.1	
		05	35.5	
		10	38.9	
		15	42.4	
		20	46.1	
	120	25	50.0	
165		30	54.3	294.2 (30.0)
		35	59.0	
		40	64.3	
		45	70.4	
		50	77.8	
	125	55	87.2	
		60	100.0	
		00	32.1	
		05	35.5	
		10	38.9	
		15	42.4	
		20	46.1	
		25	50.0	
200	120	30	54.3	353.0 (36.0)
		35	59.0	
		40	64.3	
		45	70.4	
		50	77.8	
		55	87.2	
		60	100.0	
		00	38.6	
		05	42.6	
		10	46.7	
		15	50.9	
		20	55.3	
		25	60.0	
300 400	160	30	65.1	451.1 (46.0)
		35	70.8	
		40	77.1	
		45	84.5	
		50	79.3	
		55	88.9	
		60	102.0	

# UCMSNR [Overview]

NAAMS Type

Product Information

## UCMSNR80 Assembly Instructions



### Disassembly

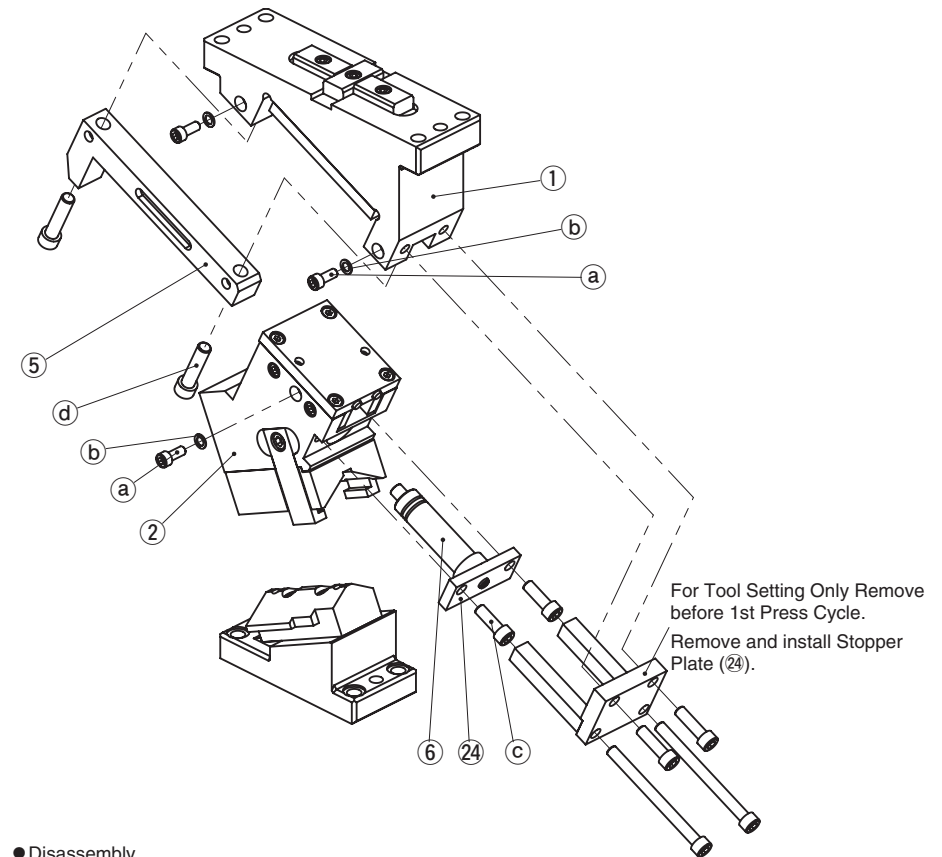
- 1) Remove Hexagon Socket Head Bolts (a) and Coned Disc Spring (b).
- 2) Remove Hexagon Socket Head Bolts (c), and remove Stopper Plate (24), and, Pull out Coil Spring (6).
- 3) Remove Hexagon Socket Head Bolts (d), and remove Guide Bar (5), and Cam Slider (2) from Cam Holder (1).
- 4) Pull up to remove Guide Bar from Cam Slider.

### Assembly

Assembly is the reverse procedure of disassembly.

- Ensure that all parts are clean, particularly the sliding components to which a small amount of lubricant is applied and is then placed in position.
- Take care that the respective tolerances are observed when assembling Cam Slider and Cam Holder, which also should be identified by the same serial number.
- Make sure that all bolts are tighten to the recommended torque after assembly and disassembly.

## UCMSNR80 Assembly Instructions (Gas Spring)



### Disassembly

- 1) Remove Hexagon Socket Head Bolts (a) and Coned Disc Spring (b).
- 2) Remove Hexagon Socket Head Bolts (c), and remove Stopper Plate (24), and, Pull out Coil Spring (6).
- 3) Remove Hexagon Socket Head Bolts (d), and remove Guide Bar (5), and Cam Slider (2) from Cam Holder (1).
- 4) Pull up to remove Guide Bar from Cam Slider.

### Assembly

Assembly is the reverse procedure of disassembly.

- Ensure that all parts are clean, particularly the sliding components to which a small amount of lubricant is applied and is then placed in position.
- Take care that the respective tolerances are observed when assembling Cam Slider and Cam Holder, which also should be identified by the same serial number.
- Make sure that all bolts are tighten to the recommended torque after assembly and disassembly.

### ⚠ Gas Spring

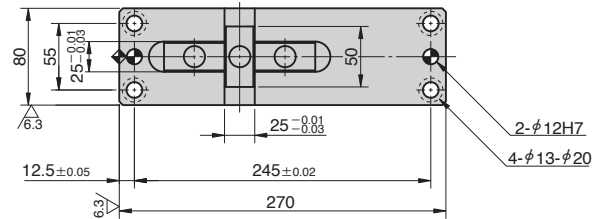
Please contact your local sales representative if you prefer to use a gas spring not specified in our catalog. For use and maintenance of gas spring, please contact the manufacturer directly.

# UCMSNR

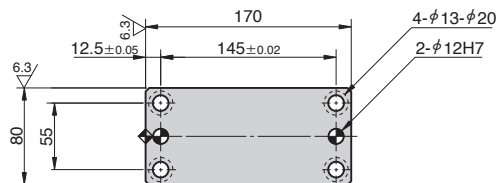
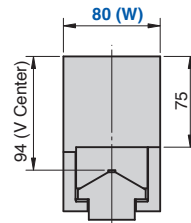
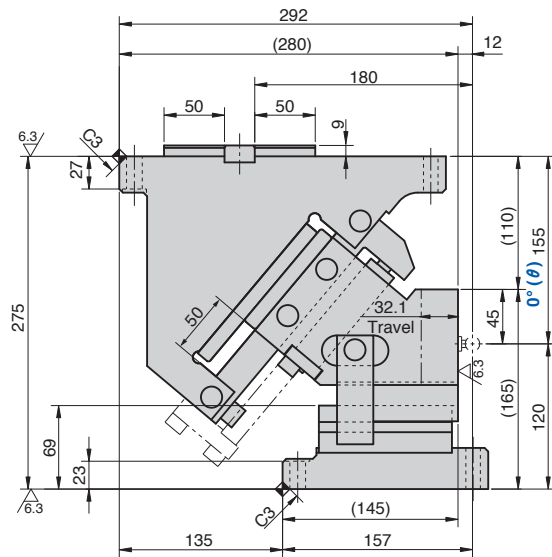
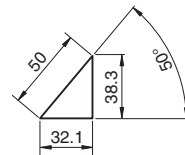
NAAMS Type

Aerial Cam Unit

UCMSNR80-00



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
32.1	166.7 (17.0)		2350.0 (239.6)	3177 (324.2)	27.9	UCMSNR	80	00	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
			73.5 (7.5)						1223.6 (124.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	00	GK	
UCMSNR	80	00	NGK	
UCMSNR	80	00	NISO	
UCMSNR	80	00	GK	NF



Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

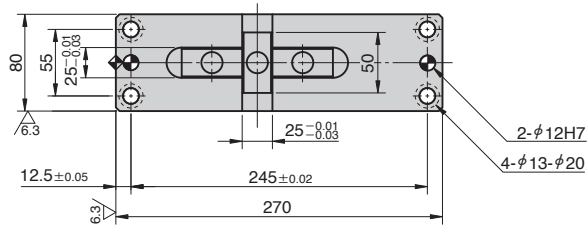
Refer to page 753 for Table of Components.

# UCMSNR

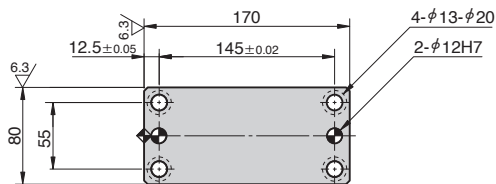
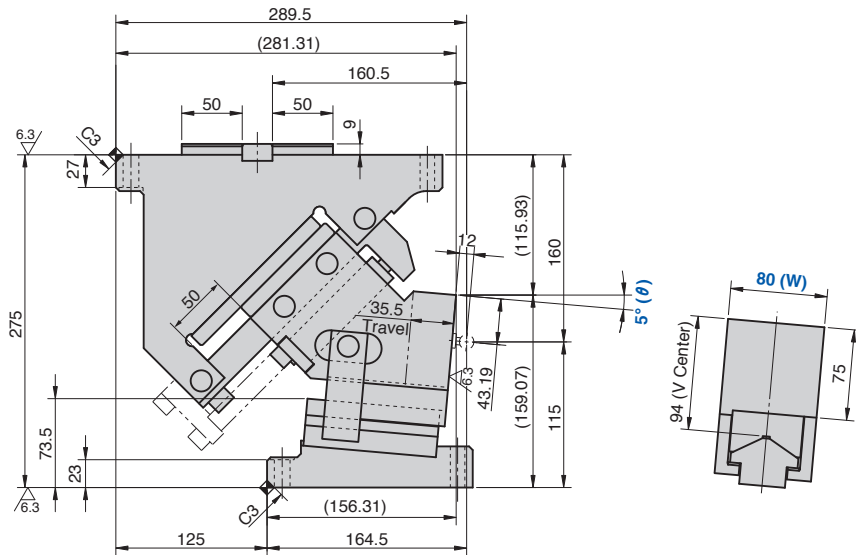
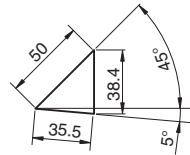
NAAMS Type

Aerial Cam Unit

UCMSNR80-05



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
35.5	166.7 (17.0)	-	2350.0 (239.6)	3169 (323.4)	27.5	UCMSNR	80	05	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
		73.5 (7.5)	1223.6 (124.8)	ISO NISO					

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Order

Catalog No.	W	θ	PS	Option
UCMSNR	80	-	05	- GK
UCMSNR	80	-	05	- NGK
UCMSNR	80	-	05	- NISO
UCMSNR	80	-	05	- GK - NF



Option

Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

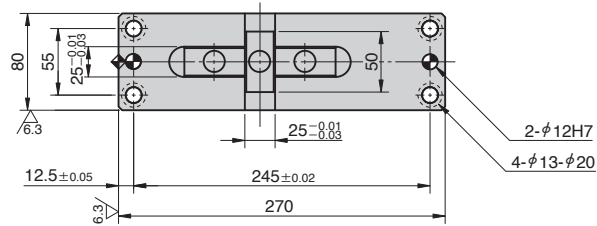
Refer to page 753 for Table of Components.

# UCMSNR

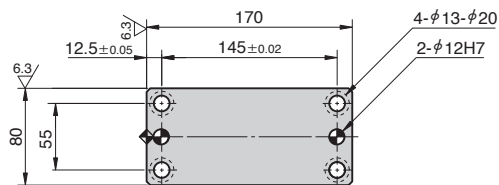
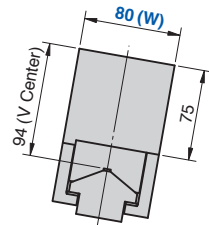
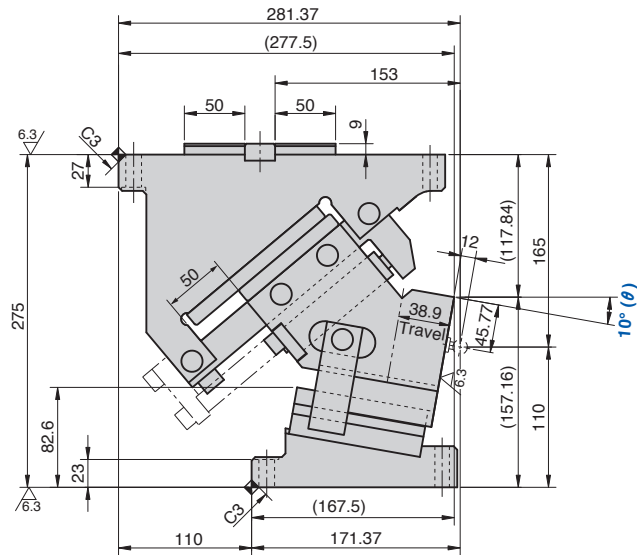
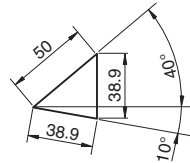
NAAMS Type

Aerial Cam Unit

UCMSNR80-10



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
38.9	166.7 (17.0)	-	2350.0 (239.6)	3161 (322.5)	26.9	UCMSNR	80	10	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
		73.5 (7.5)	1223.6 (124.8)						ISO NISO

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	10	GK	
UCMSNR	80	10	NGK	
UCMSNR	80	10	NISO	
UCMSNR	80	10	GK	NF



Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

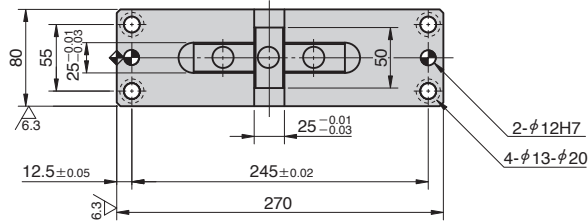
Refer to page 753 for Table of Components.

# UCMSNR

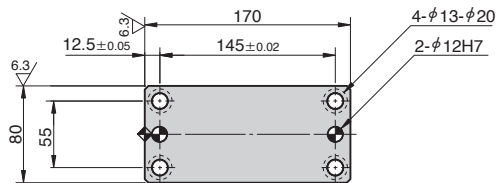
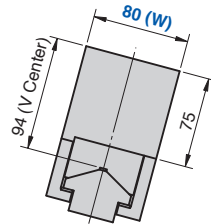
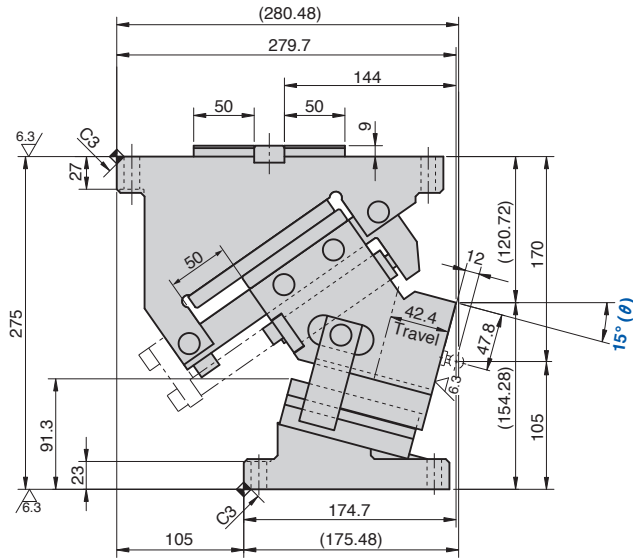
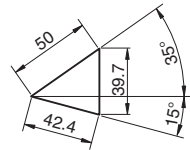
NAAMS Type

Aerial Cam Unit

UCMSNR80-15



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
42.4	166.7 (17.0)	-	2350.0 (239.6)	3152 (321.6)	26.5	UCMSNR	80	15	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
		73.5 (7.5)	1223.6 (124.8)						ISO NISO

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT) NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	15	GK	
UCMSNR	80	15	NGK	
UCMSNR	80	15	NISO	
UCMSNR	80	15	GK	NF



Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

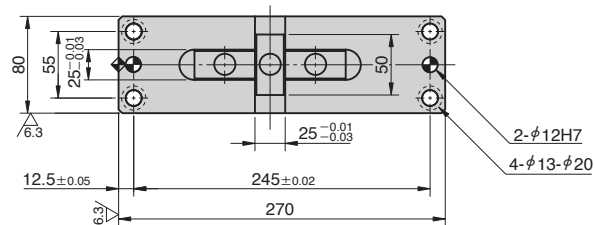
Refer to page 753 for Table of Components.

# UCMSNR

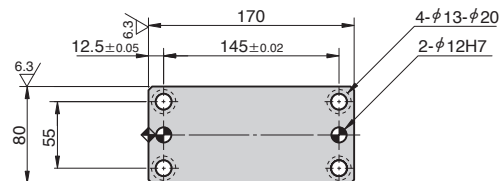
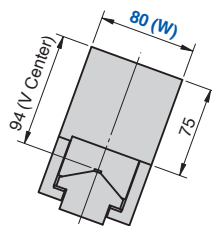
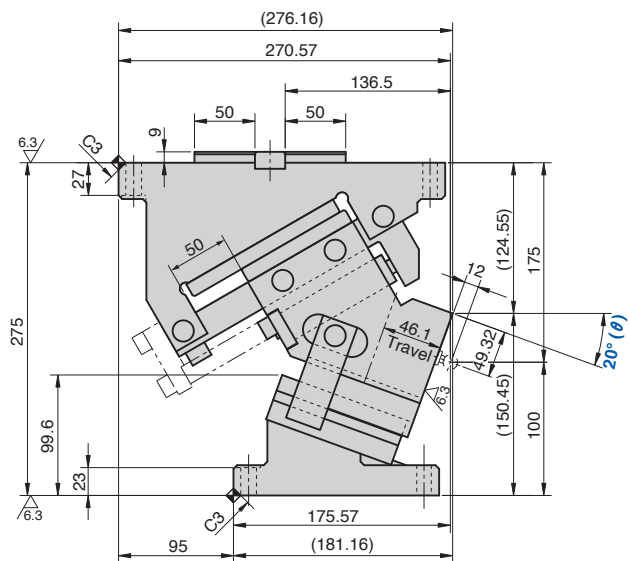
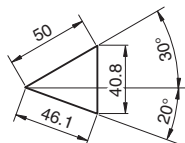
NAAMS Type

Aerial Cam Unit

UCMSNR80-20



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
46.1	166.7 (17.0)	-	2350.0 (239.6)	3142 (320.6)	26.0	UCMSNR	80	20	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
		73.5 (7.5)	1223.6 (124.8)	ISO NISO					

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT) NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Order

Catalog No.	W	θ	PS	Option
UCMSNR	80	20	GK	
UCMSNR	80	20	NGK	
UCMSNR	80	20	NISO	
UCMSNR	80	20	GK	NF



Option

Option Code	Specification
NF	Nitrogen gas not charged.

## Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.



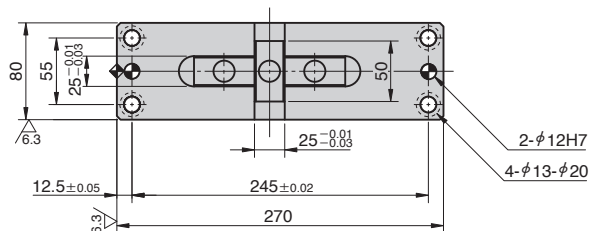
Refer to page 753 for Table of Components.

# UCMSNR

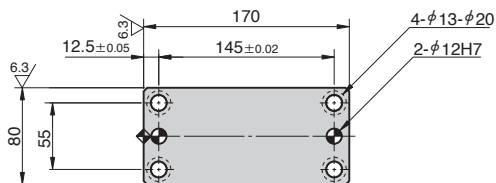
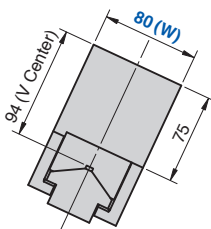
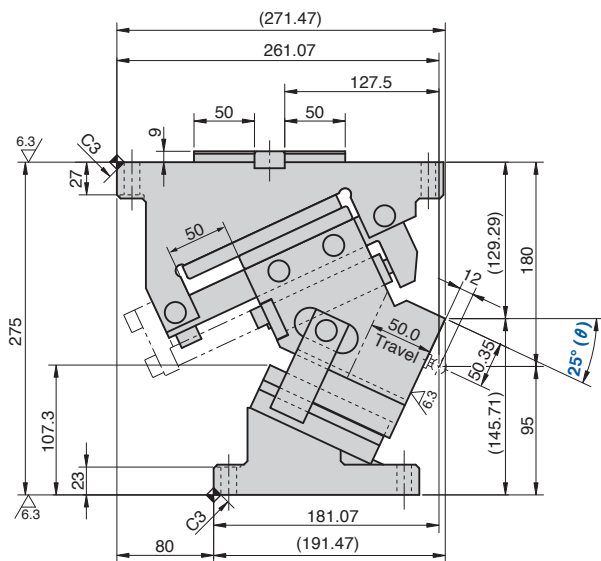
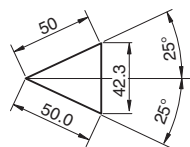
NAAMS Type

Aerial Cam Unit

UCMSNR80-25



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
50.0	166.7 (17.0)	-	2350.0 (239.6)	3132 (319.6)	25.9	UCMSNR	80	25	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
			73.5 (7.5)						1223.6 (124.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Order

Catalog No.	W	θ	PS	Option
UCMSNR	80	25	GK	
UCMSNR	80	25	NGK	
UCMSNR	80	25	NISO	
UCMSNR	80	25	GK	NF



Option

Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

Refer to page 753 for Table of Components.

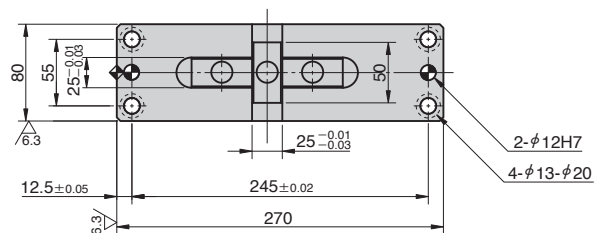


# UCMSNR

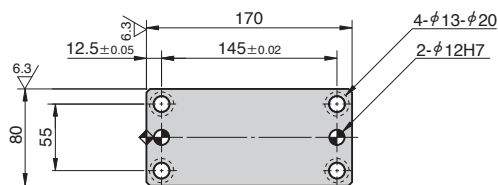
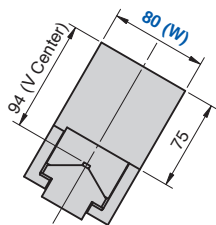
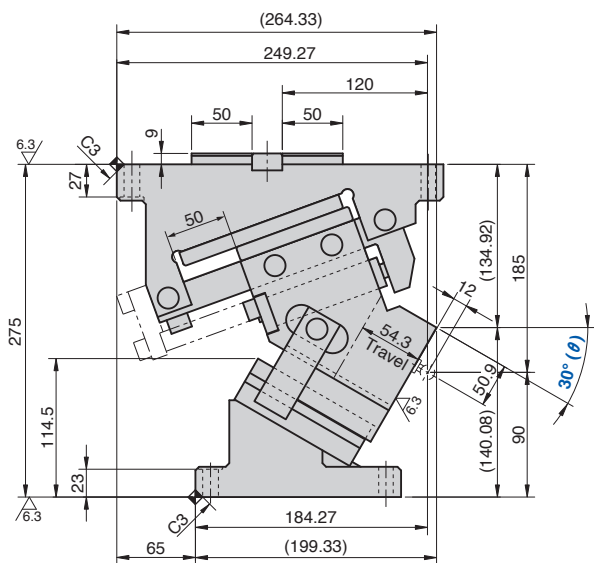
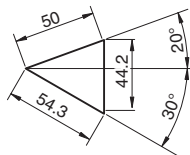
NAAMS Type

Aerial Cam Unit

UCMSNR80-30



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
54.3	166.7 (17.0)	-	2350.0 (239.6)	3122 (318.6)	25.3	UCMSNR	80	30	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
			73.5 (7.5)						1223.6 (124.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	30	GK	
UCMSNR	80	30	NGK	
UCMSNR	80	30	NISO	
UCMSNR	80	30	GK	NF



Option Code	Specification
NF	Nitrogen gas not charged.

## Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

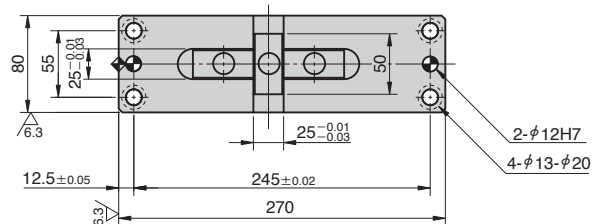
Refer to page 753 for Table of Components.

# UCMSNR

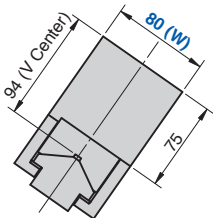
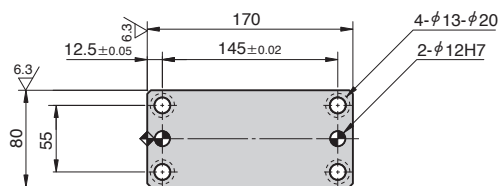
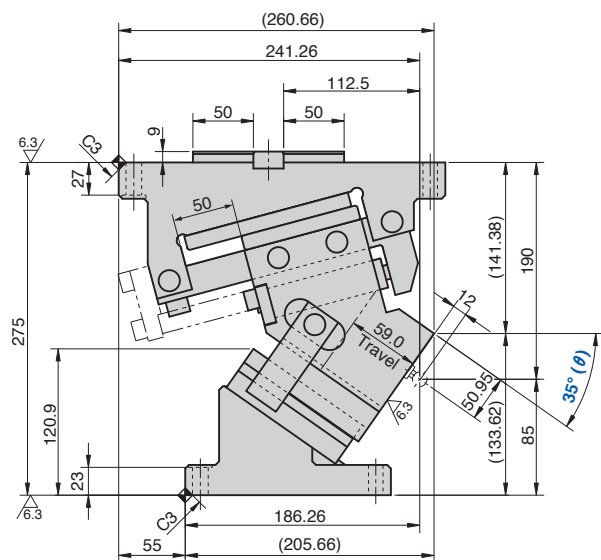
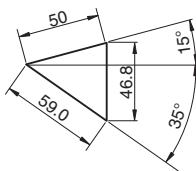
NAAMS Type

Aerial Cam Unit

UCMSNR80-35



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
59.0	166.7 (17.0)	-	2350.0 (239.6)	3112 (317.6)	25.0	UCMSNR	80	35	GK NGK
		-	1421.0 (145.0)						GD NGD
		-	2280.0 (232.5)						GS NGS
		73.5 (7.5)	1223.6 (124.8)						ISO NISO

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT) NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Order

Catalog No.	W	θ	PS	Option
UCMSNR	80	35	GK	
UCMSNR	80	35	NGK	
UCMSNR	80	35	NISO	
UCMSNR	80	35	GK	NF



Option

Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

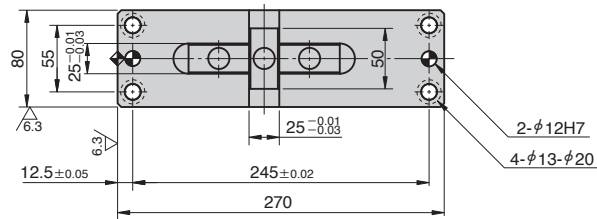
Refer to page 753 for Table of Components.

# UCMSNR

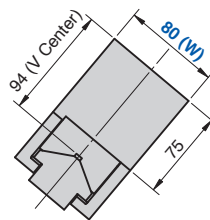
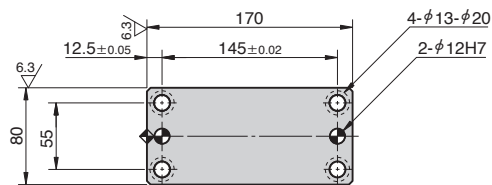
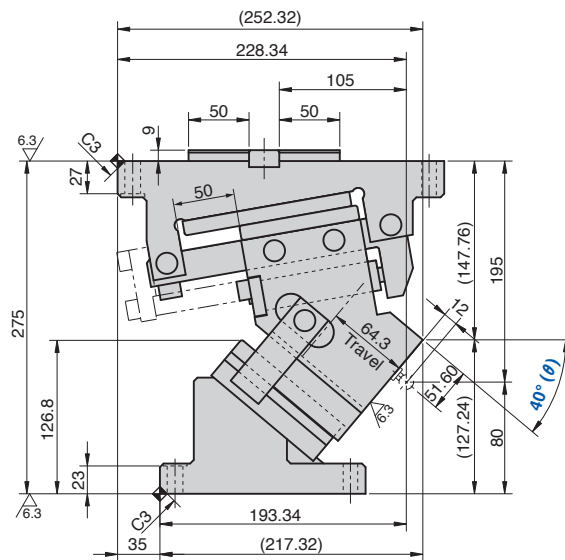
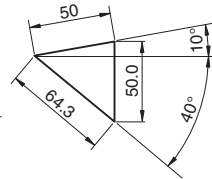
NAAMS Type

Aerial Cam Unit

UCMSNR80-40



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
64.3	166.7 (17.0)	-	2350.0 (239.6)	3102 (316.5)	24.7	UCMSNR	80	40	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
			73.5 (7.5)						1223.6 (124.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Order

Catalog No.	W	θ	PS	Option
UCMSNR	80	40	GK	
UCMSNR	80	40	NGK	
UCMSNR	80	40	NISO	
UCMSNR	80	40	GK	NF



Option

Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

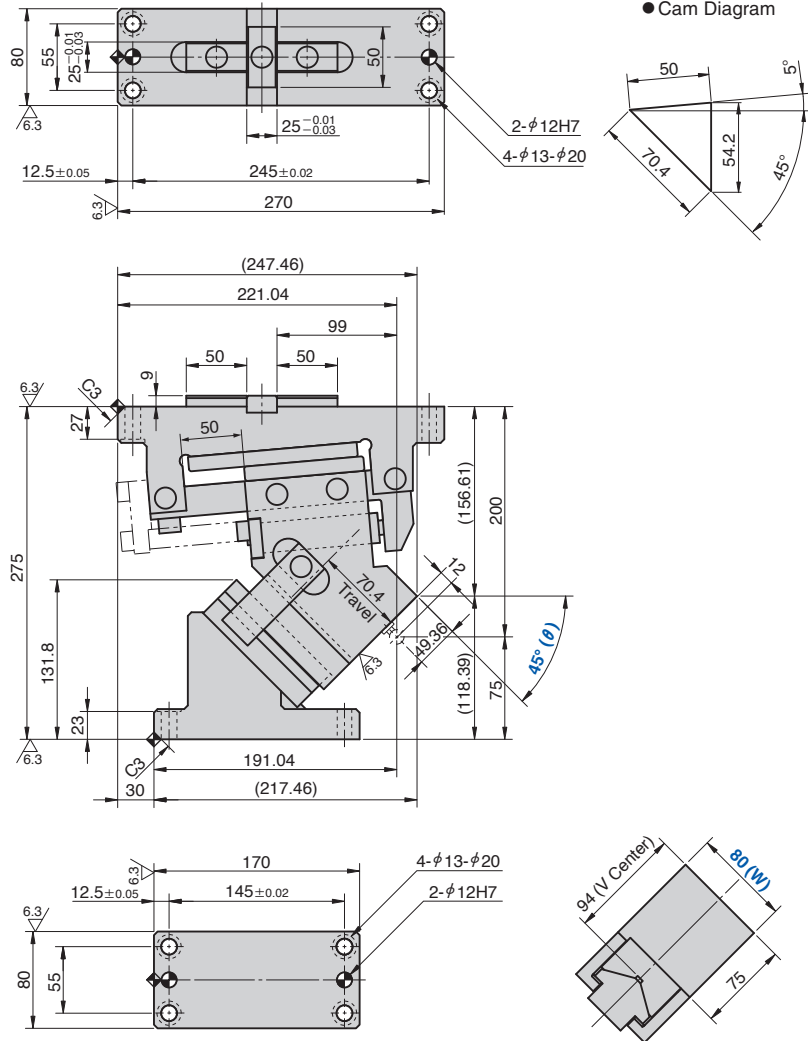
Refer to page 753 for Table of Components.

# UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR80-45



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
70.4	166.7 (17.0)	-	2350.0 (239.6)	3092 (315.5)	24.7	UCMSNR	80	45	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
			73.5 (7.5)						1223.6 (124.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	- 45	- GK	
UCMSNR	80	- 45	- NGK	
UCMSNR	80	- 45	- NISO	
UCMSNR	80	- 45	- GK	- NF



Option Code	Specification
NF	Nitrogen gas not charged.

## Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

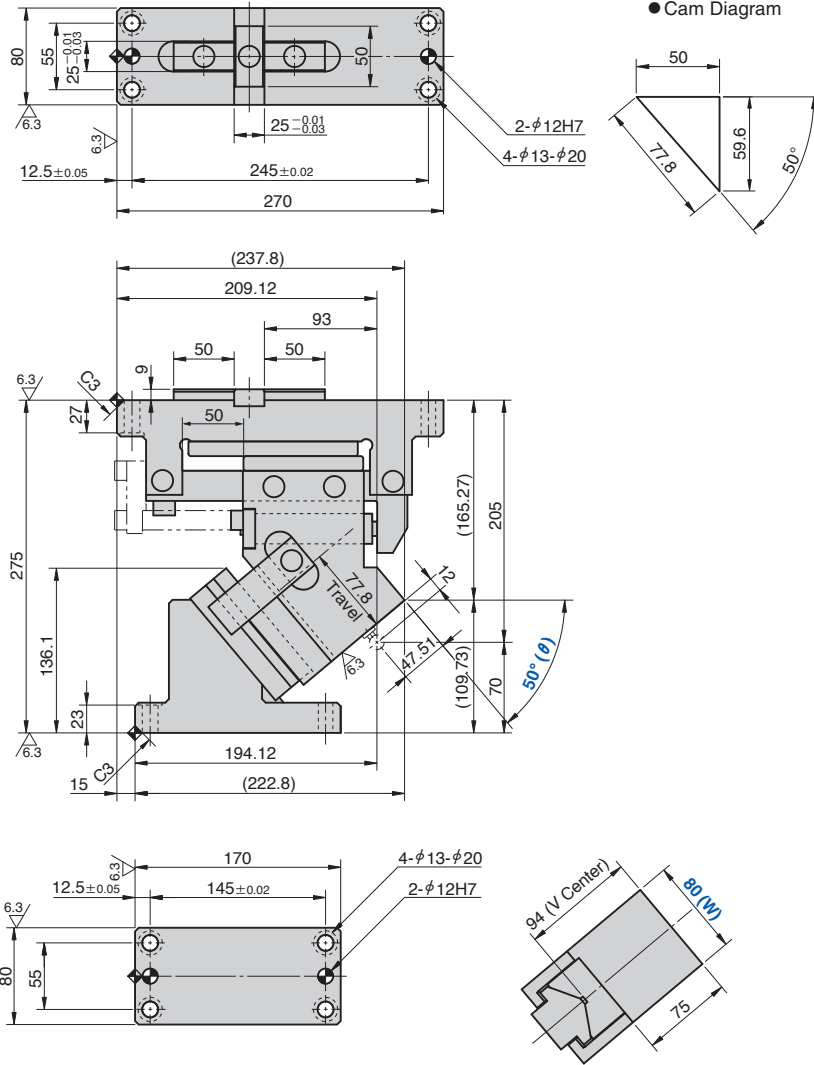
Refer to page 753 for Table of Components.

# UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR80-50



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
77.8	166.7 (17.0)	-	2350.0 (239.6)	3081 (314.4)	24.9	UCMSNR	80	50	GK NGK
			1421.0 (145.0)						GD NGD
			2280.0 (232.5)						GS NGS
			73.5 (7.5)						1223.6 (124.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	50	GK	
UCMSNR	80	50	NGK	
UCMSNR	80	50	NISO	
UCMSNR	80	50	GK	NF



Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

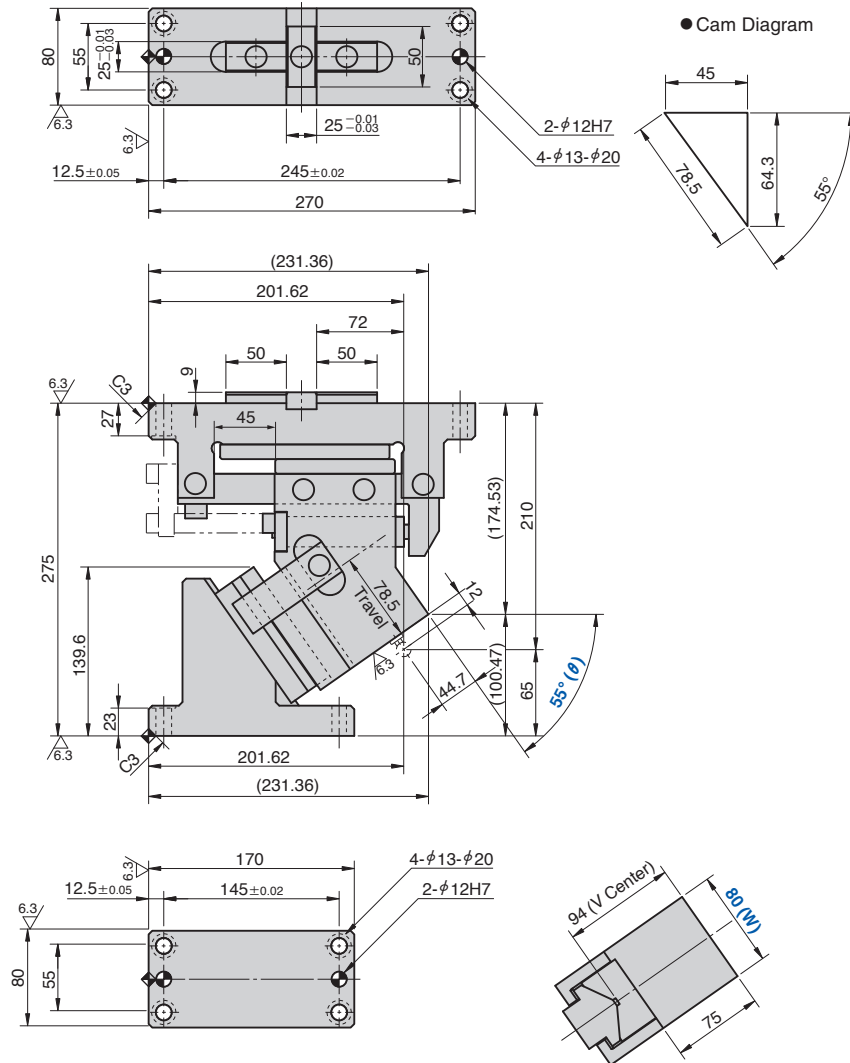
Refer to page 753 for Table of Components.

# UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR80-55



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
78.5	166.7 (17.0)	-	2265.4 (230.9)	3352 (342.0)	25.8	UCMSNR	80	55	GK NGK
			1379.8 (140.7)						GD NGD
			2280.0 (232.5)						GS NGS
			73.6 (7.5)						1108.6 (113.8)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT) NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Catalog No.	W	θ	PS	Option
UCMSNR	80	55	GK	
UCMSNR	80	55	NGK	
UCMSNR	80	55	NISO	
UCMSNR	80	55	GK	NF



Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

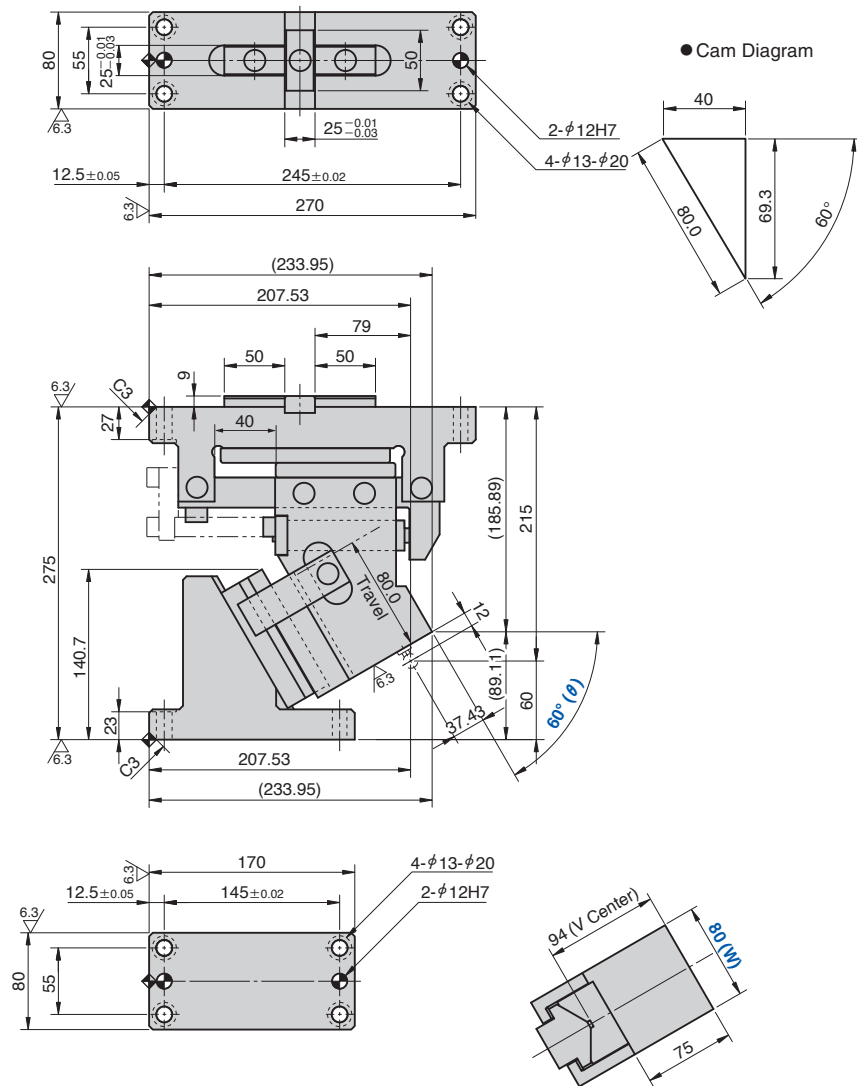
Refer to page 753 for Table of Components.

# UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR80-60



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
80.0	166.7 (17.0)	-	2280.8 (222.3)	3706 (378.1)	26.2	UCMSNR	80	60	GK NGK
			1338.6 (136.5)						GD NGD
			2280.0 (232.5)						GS NGS
			73.6 (7.5)						993.6 (101.3)

ISO: Coil Spring GK: Gas Spring (KALLER) GD: Gas Spring (DADCO) GS: Gas Spring (SDT)  
 NGK/NGD/NGS: Without Gas Spring NISO: Without Coil Spring Parts for spring assembly are included.



Order

Catalog No.	W	θ	PS	Option
UCMSNR	80	60	GK	
UCMSNR	80	60	NGK	
UCMSNR	80	60	NISO	
UCMSNR	80	60	GK	NF



Option

Option Code	Specification
NF	Nitrogen gas not charged.

### Spring Specification

No.	PS	Spring Model	Qty	Remark
6	GK	M2-150-50	1	Gas Spring (KALLER)
	GD	C180-50.BU	1	Gas Spring (DADCO)
	GS	SFND.150.50	1	Gas Spring (SDT)
	ISO	TJL32-152	1	Coil Spring [Spring constant = 23.0 N/mm]

Life expectancy of Coil Spring is approximately 500,000 strokes.

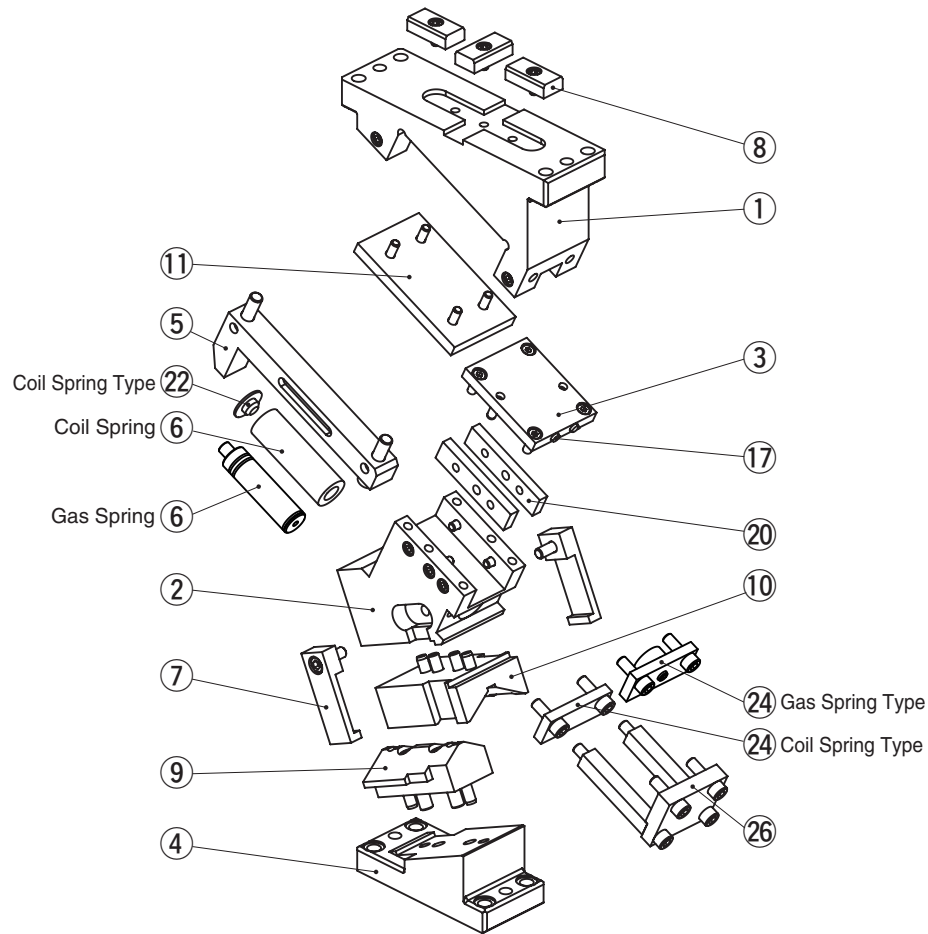
Refer to page 753 for Table of Components.

# UCMSNR [Table of Components]

NAAMS Type

## Aerial Cam Unit

UCMSNR80



No.	Description	Qty		Material and Remark
		Coil Spring	Gas Spring	
1	Cam Holder	1		Cast Iron
2	Cam Slider	1		Cast Iron
3	Wear Plate	1		Bronze with Graphite
4	Cam Driver	1		Cast Iron
5	Guide Bar	1		Steel
6	Spring	1		Refer to the Spring Specification.
7	Positive Return Follower	1		Steel
8	Key A	3		Steel
9	Cam Slide Guide	1		Bronze with Graphite
10	Cam Slide Guide	1		Steel
11	Slide Plate	1		Steel
17	Stopper	2		—
20	Wear Plate	2		Bronze with Graphite
22	Spring Guide Pin	1	—	Steel ISO specification only
24	Spring Stopper Plate	1		Steel
26	Slide Lock Plate	1		Steel

Bolts, nuts, dowels, and washers for assembly are not indicated.