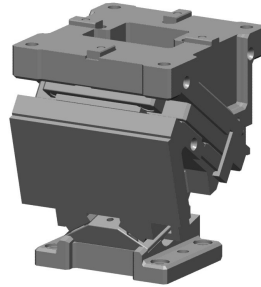


UCMSNR [Overview]

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	

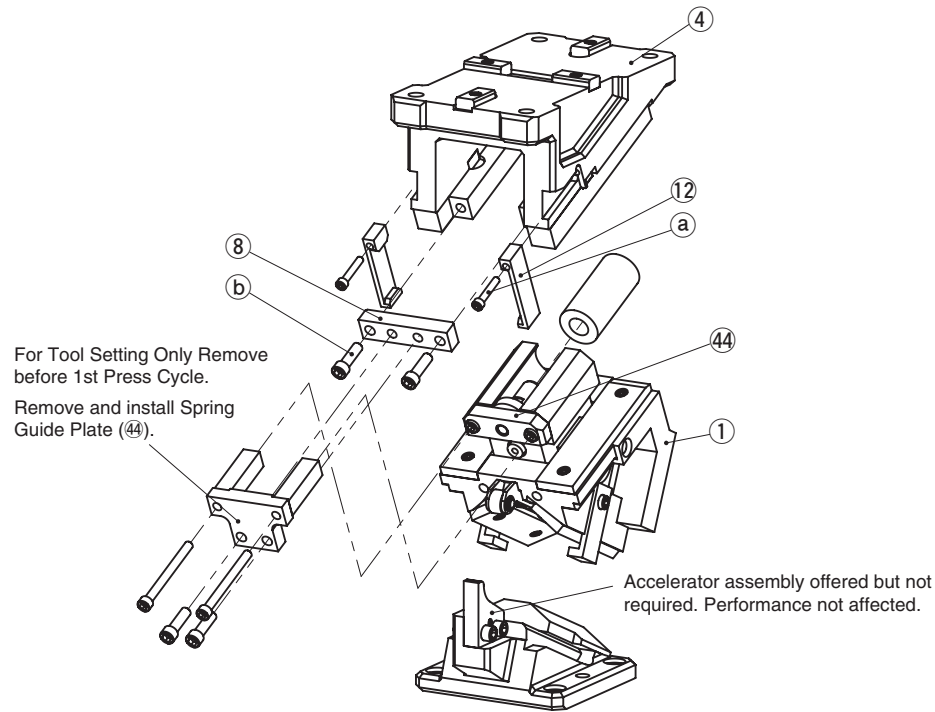
Mount face		Working Angle	Travel	Working Force kN (tonf)
W	H			
		00	32.1	
		05	35.5	
		10	38.9	
		15	42.4	
		20	46.1	
	120	25	50.0	
165		30	54.3	294.2 (30.0)
		35	59.0	
		40	64.3	
		45	70.4	
		50	77.8	
	125	55	87.2	
		60	100.0	
		00	32.1	
		05	35.5	
		10	38.9	
		15	42.4	
		20	46.1	
		25	50.0	
200	120	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

UCMSNR200 Assembly Instructions



Disassembly

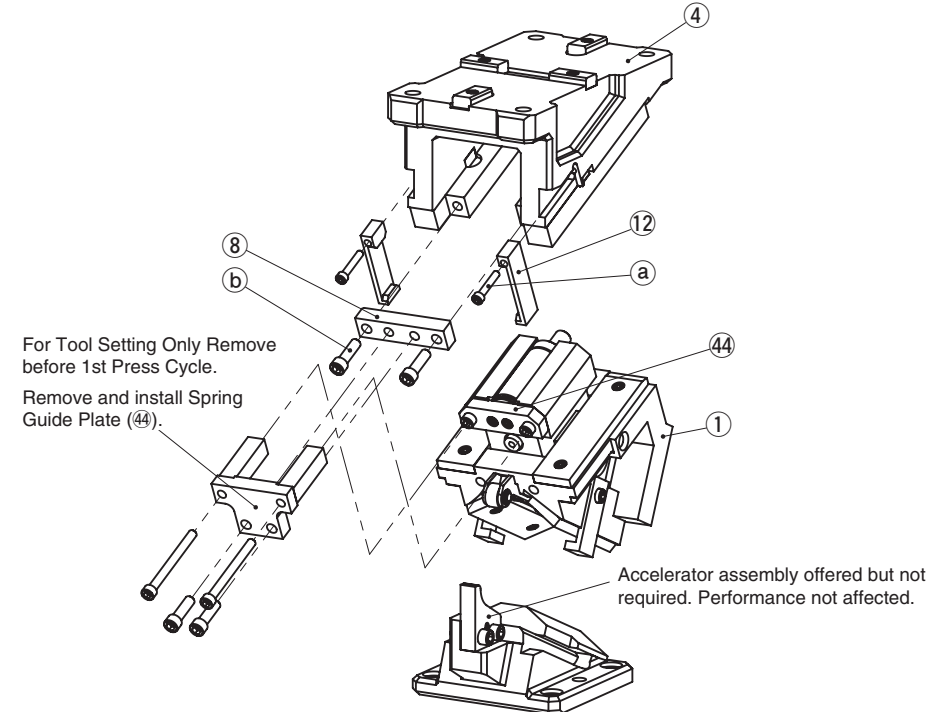
- 1) Remove Hexagon Socket Head Bolts (a), and remove Safety Plate (12).
- 2) Remove Hexagon Socket Head Bolts (b), and remove Stopper Plate (8).
- 3) Pull out and remove Cam Slider (1) from Cam Holder (4) to the rear.

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 tightened to the recommended torque after assembly and disassembly.

UCMSNR200 Assembly Instructions (Gas Spring)



Disassembly

- 1) Remove Hexagon Socket Head Bolts (a), and remove Safety Plate (12).
- 2) Remove Hexagon Socket Head Bolts (b), and remove Stopper Plate (8).
- 3) Pull out and remove Cam Slider (1) from Cam Holder (4) to the rear.

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 tightened to the recommended torque after assembly and disassembly.

Gas Spring

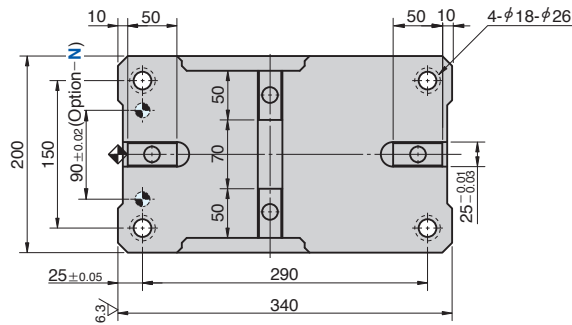
Please contact your local sales representative if you prefer to use a gas spring not specified in our catalog. For use and maintenance of gas spring, please contact the manufacturer directly.

UCMSNR

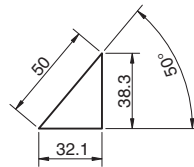
NAAMS Type

Aerial Cam Unit

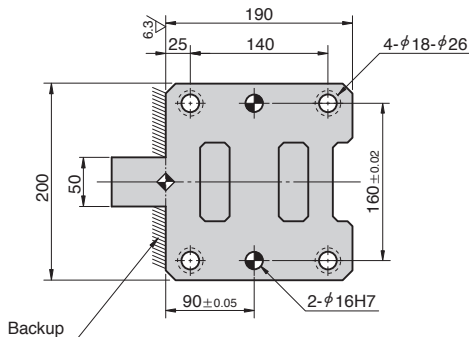
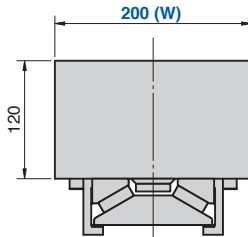
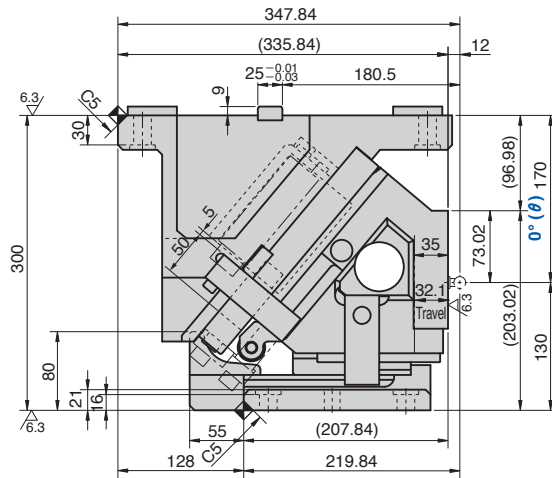
UCMSNR200-00



● Cam Diagram



The Cam Diagram shows no Roller Bracket assemblies or Accelerators. If these items are needed, please contact local sales representative.



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
32.1	353.0 (36.0)	-	6125.0 (624.6)	8363 (853.4)	90.3 (31.9)	UCMSNR 200 00			GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	00	GK	
UCMSNR 200	200	00	NGK	
UCMSNR 200	200	00	NISO	
UCMSNR 200	200	00	GK	- N
UCMSNR 200	200	00	GK	- NF



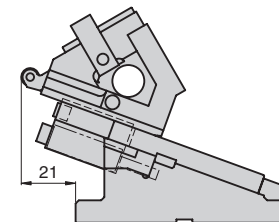
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



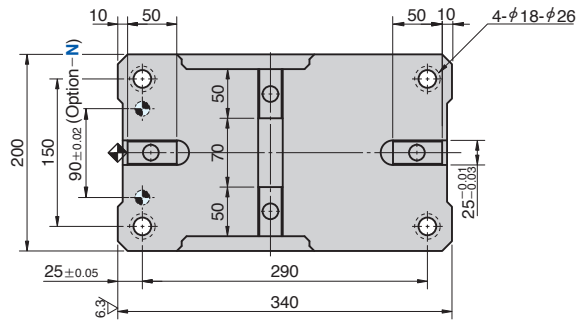
Refer to page 809 for Table of Components.

UCMSNR

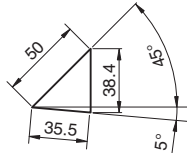
NAAMS Type

Aerial Cam Unit

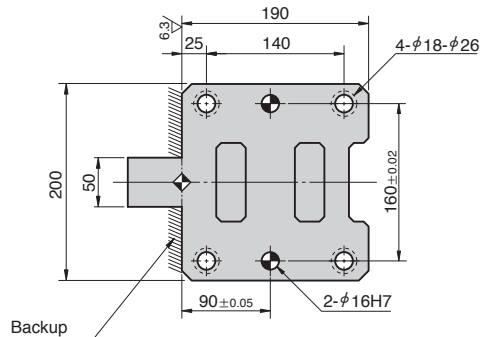
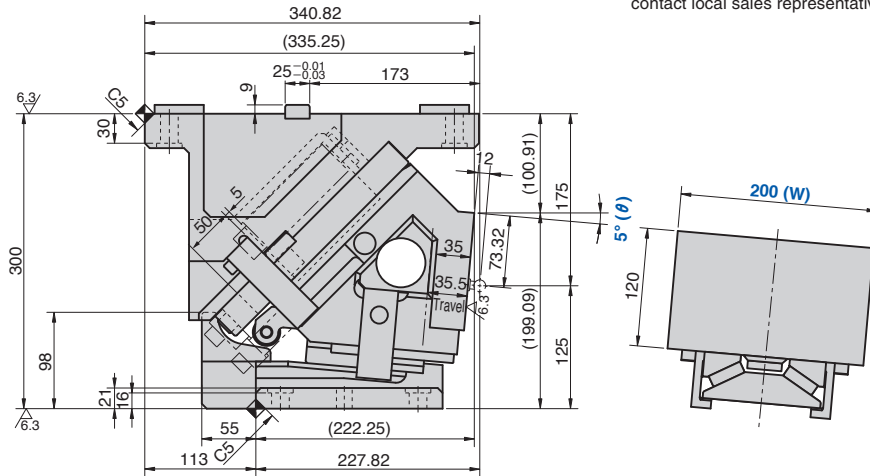
UCMSNR200-05



● Cam Diagram



The Cam Diagram shows no Roller Bracket assemblies or Accelerators. If these items are needed, please contact local sales representative.



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
35.5	353.0 (36.0)	-	6125.0 (624.6)	8334 (850.4)	88.0 (31.9)	UCMSNR 200 05			GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	05	GK	
UCMSNR 200	200	05	NGK	
UCMSNR 200	200	05	NISO	
UCMSNR 200	200	05	GK	- N
UCMSNR 200	200	05	GK	- NF



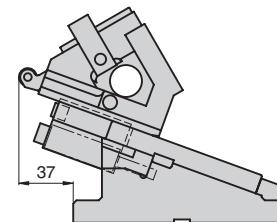
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



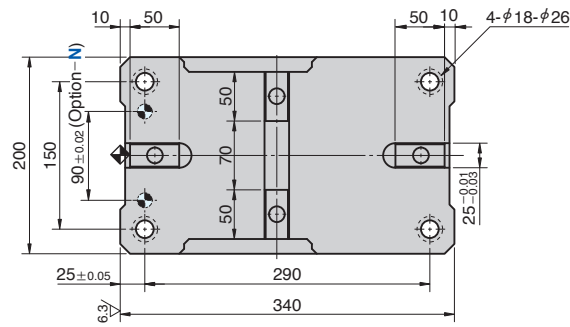
Refer to page 809 for Table of Components.

UCMSNR

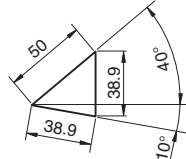
NAAMS Type

Aerial Cam Unit

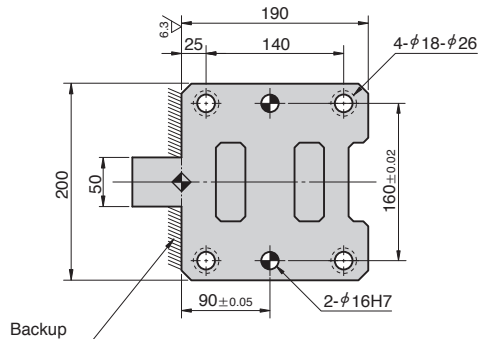
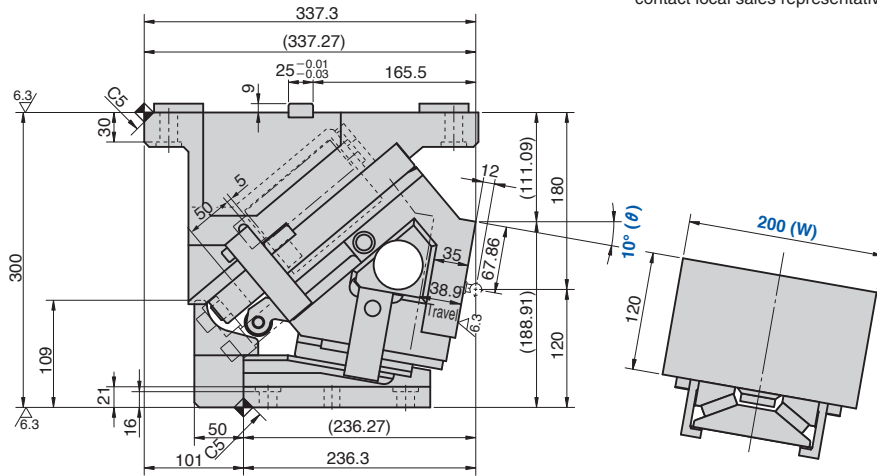
UCMSNR200-10



● Cam Diagram



The Cam Diagram shows no Roller Bracket assemblies or Accelerators. If these items are needed, please contact local sales representative.



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
38.9	353.0 (36.0)	-	6125.0 (624.6)	8303 (847.3)	87.5 (31.9)	UCMSNR 200	10	10	GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	10	GK	
UCMSNR 200	200	10	NGK	
UCMSNR 200	200	10	NISO	
UCMSNR 200	200	10	GK	- N
UCMSNR 200	200	10	GK	- NF



Option

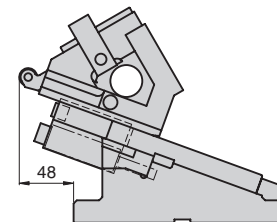
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



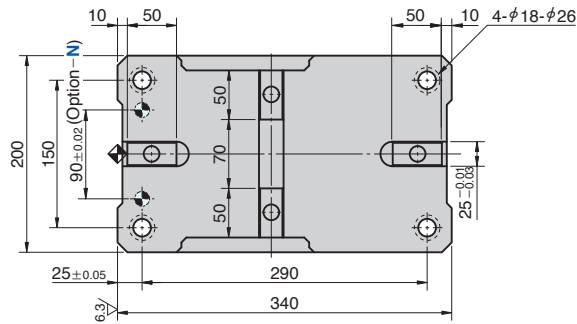
Refer to page 809 for Table of Components.

UCMSNR

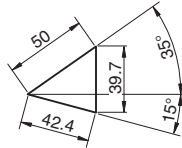
NAAMS Type

Aerial Cam Unit

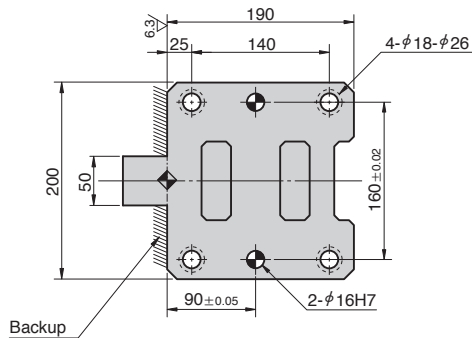
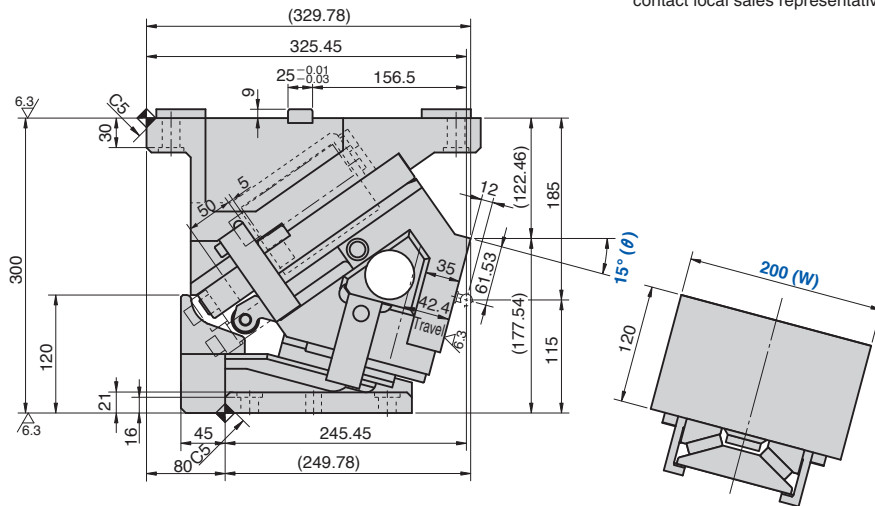
UCMSNR200-15



● Cam Diagram



The Cam Diagram shows no Roller Bracket assemblies or Accelerators. If these items are needed, please contact local sales representative.



Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
42.4	353.0 (36.0)	-	6125.0 (624.6)	8270 (843.9)	87.0 (31.9)	UCMSNR 200	15		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	15	GK	
UCMSNR 200	200	15	NGK	
UCMSNR 200	200	15	NISO	
UCMSNR 200	200	15	GK	- N
UCMSNR 200	200	15	GK	- NF



Option

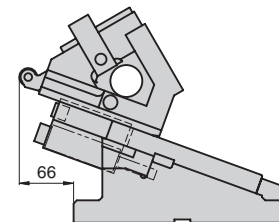
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Standard Cam Units

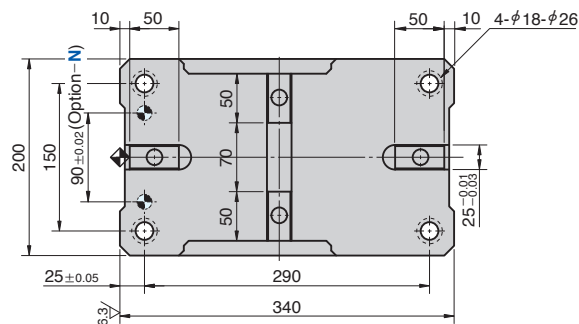
UCMSNR 200

UCMSNR

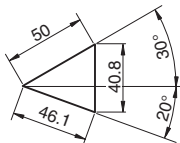
NAAMS Type

Aerial Cam Unit

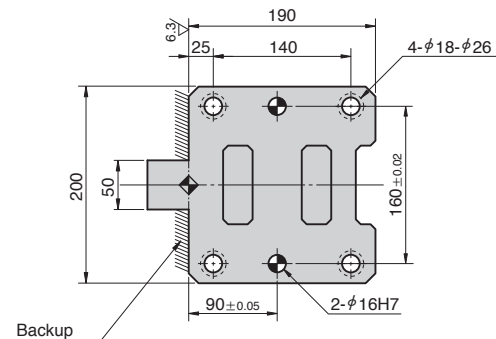
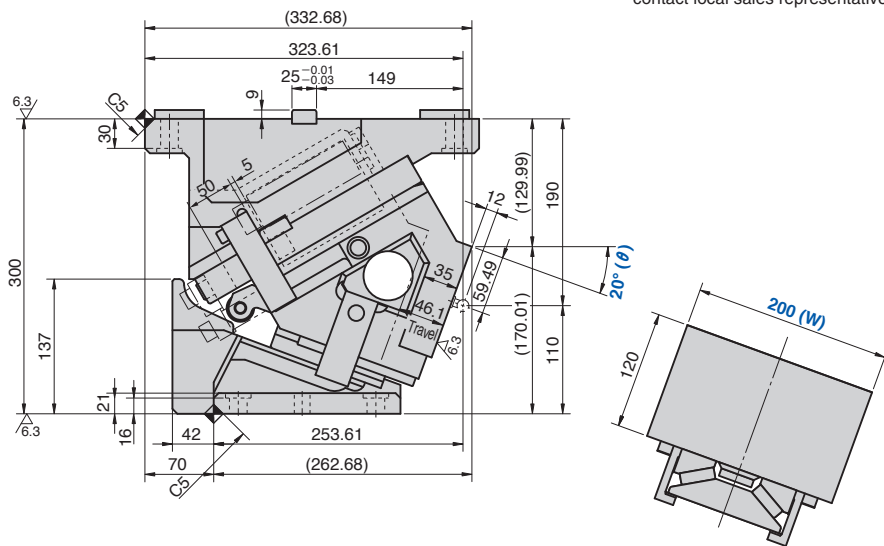
UCMSNR200-20



● Cam Diagram



The Cam Diagram shows no Roller Bracket assemblies or Accelerators. If these items are needed, please contact local sales representative.



Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
46.1	353.0 (36.0)	-	6125.0 (624.6)	8236 (840.4)	85.8 (31.9)	UCMSNR 200	20	20	GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)	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 200	200	20	GK	
UCMSNR 200	200	20	NGK	
UCMSNR 200	200	20	NISO	
UCMSNR 200	200	20	GK	- N
UCMSNR 200	200	20	GK	- NF



Option

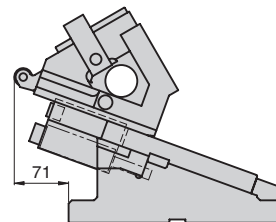
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Standard Cam Units

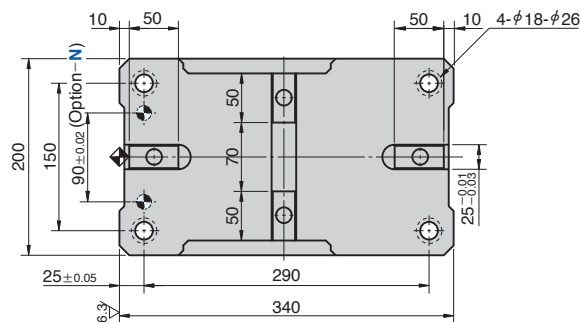
UCMSNR 200

UCMSNR

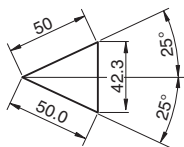
NAAMS Type

Aerial Cam Unit

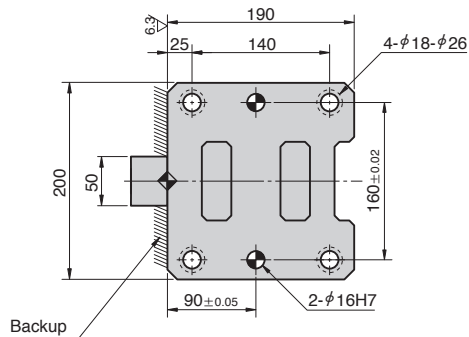
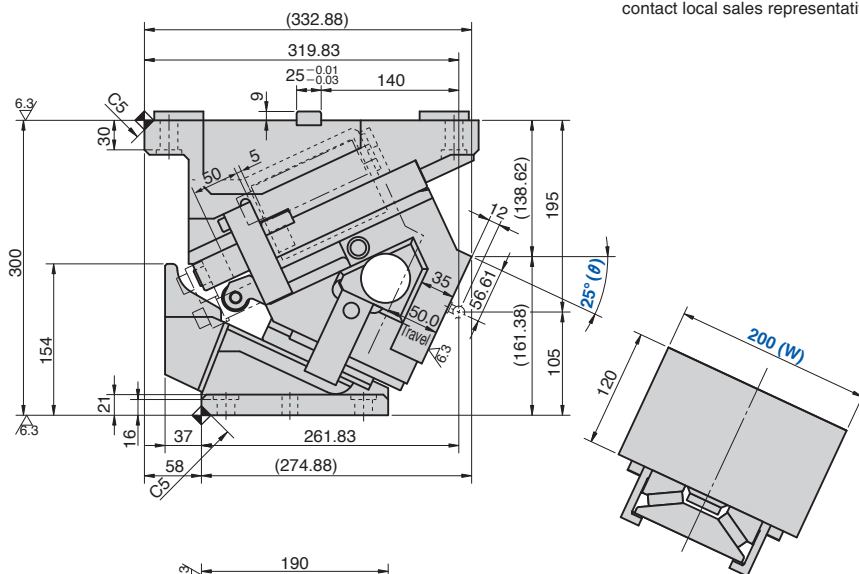
UCMSNR200-25



● Cam Diagram



The Cam Diagram shows no Roller Bracket assemblies or Accelerators. If these items are needed, please contact local sales representative.



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
50.0	353.0 (36.0)	-	6125.0 (624.6)	8200 (836.8)	86.2 (31.9)	UCMSNR 200	25	25	GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	25	GK	
UCMSNR 200	200	25	NGK	
UCMSNR 200	200	25	NISO	
UCMSNR 200	200	25	GK	- N
UCMSNR 200	200	25	GK	- NF



Option

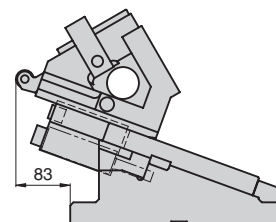
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Refer to page 809 for Table of Components.

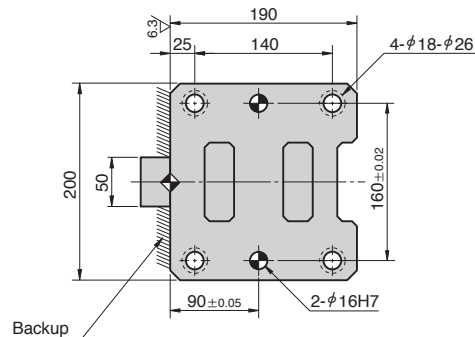
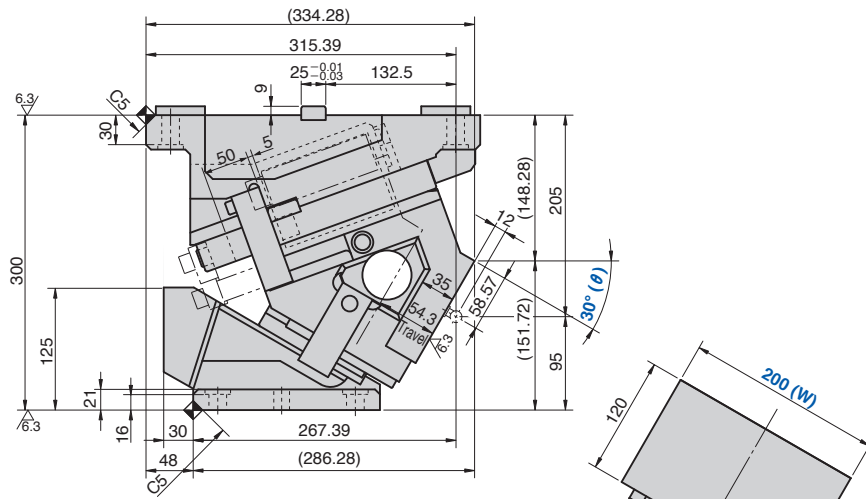
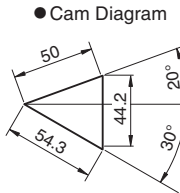
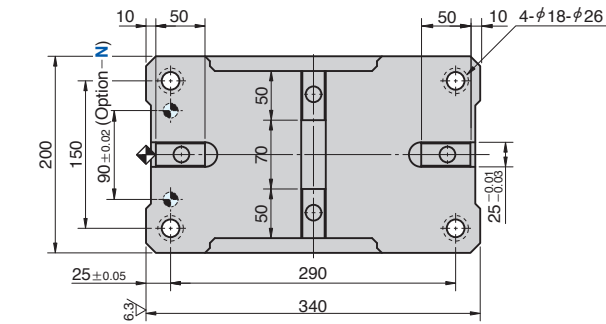
UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR200-30

CAD FILE



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
54.3	353.0 (36.0)	-	6125.0 (624.6)	8163 (833.0)	85.6 (31.9)	UCMSNR 200	30	30	GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	30	GK	
UCMSNR 200	200	30	NGK	
UCMSNR 200	200	30	NISO	
UCMSNR 200	200	30	GK	N
UCMSNR 200	200	30	GK	NF



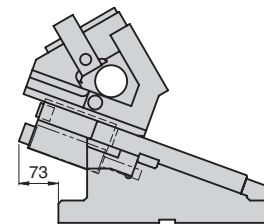
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



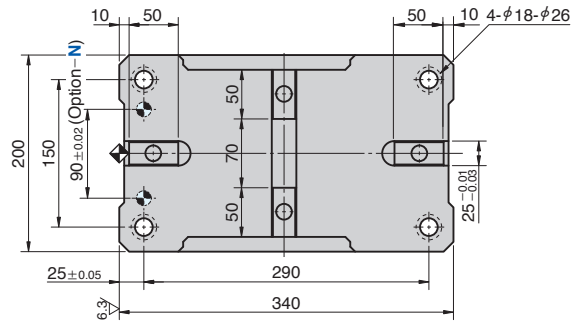
Refer to page 809 for Table of Components.

UCMSNR

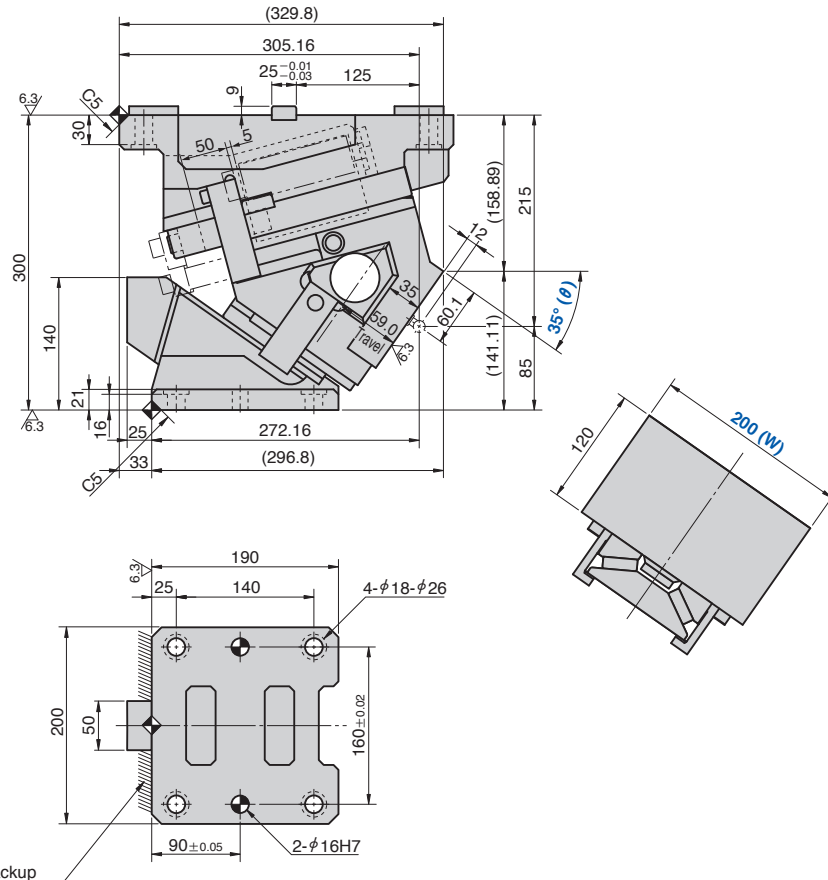
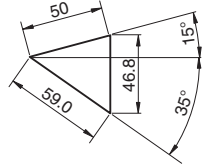
NAAMS Type

Aerial Cam Unit

UCMSNR200-35



● Cam Diagram



Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
59.0	353.0 (36.0)	-	6125.0 (624.6)	8127 (829.2)	86.2 (31.9)	UCMSNR 200	35		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)	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 200	200	35	GK	
UCMSNR 200	200	35	NGK	
UCMSNR 200	200	35	NISO	
UCMSNR 200	200	35	GK	N
UCMSNR 200	200	35	GK	NF



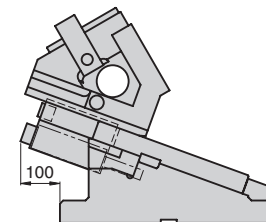
Option Code	Specification
N	φ 16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Refer to page 809 for Table of Components.

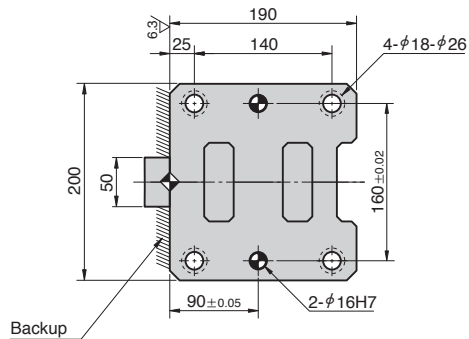
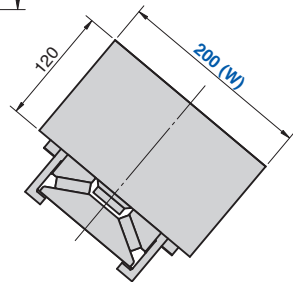
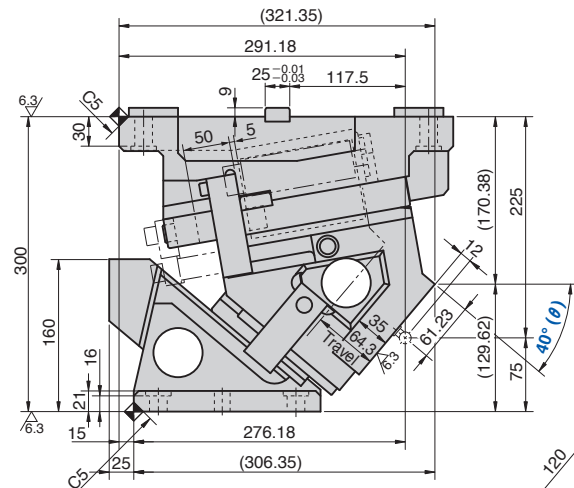
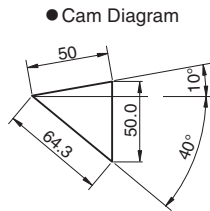
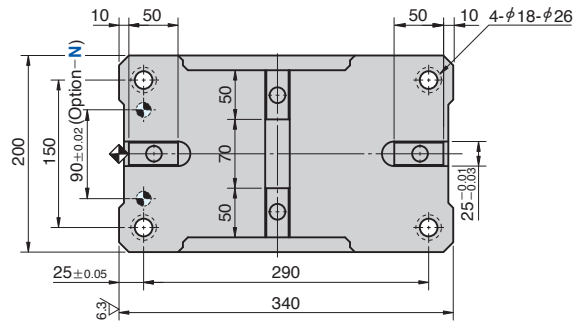
UCMSNR

NAAMS Type

Aerial Cam Unit



UCMSNR200-40



Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
64.3	353.0 (36.0)	-	6125.0 (624.6)	8089 (825.5)	86.6 (31.9)	UCMSNR 200	40		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	40	GK	
UCMSNR 200	200	40	NGK	
UCMSNR 200	200	40	NISO	
UCMSNR 200	200	40	GK	- N
UCMSNR 200	200	40	GK	- NF



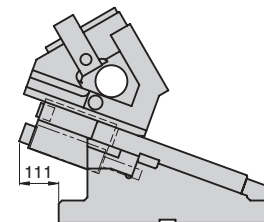
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space

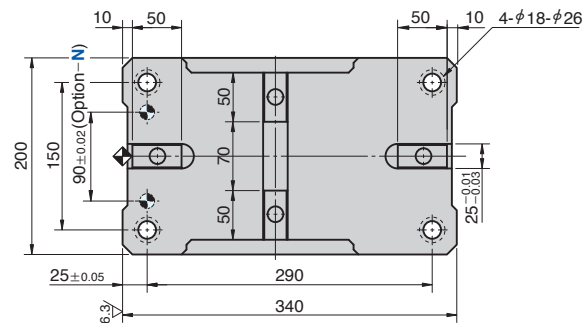


UCMSNR

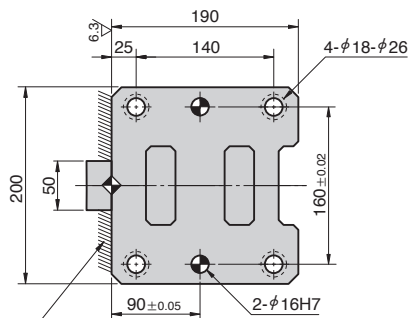
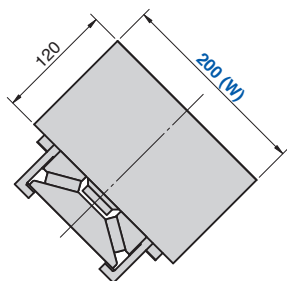
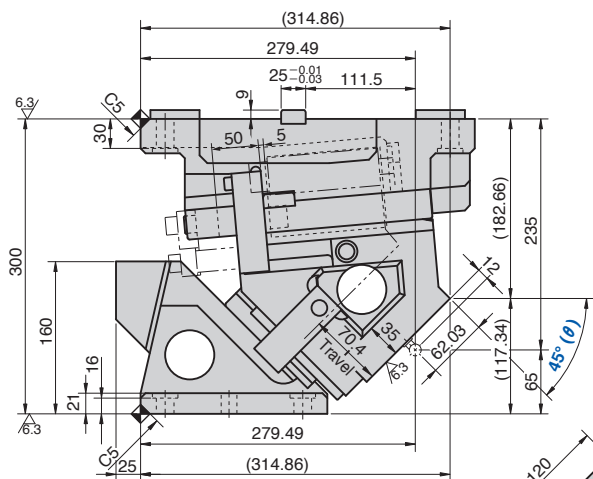
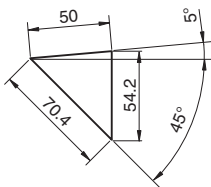
NAAMS Type

Aerial Cam Unit

UCMSNR200-45



● Cam Diagram



Backup

Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
70.4	353.0 (36.0)		6125.0 (624.6)	8052 (821.7)	88.0 (31.9)	UCMSNR 200	45		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	45	GK	
UCMSNR 200	200	45	NGK	
UCMSNR 200	200	45	NISO	
UCMSNR 200	200	45	GK	N
UCMSNR 200	200	45	GK	NF



Option

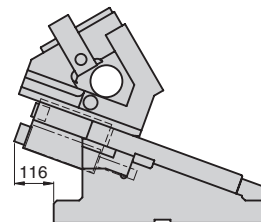
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Standard Cam Units

UCMSNR 200

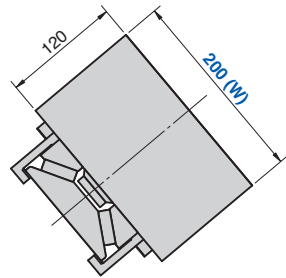
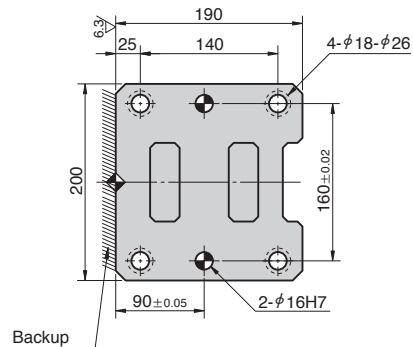
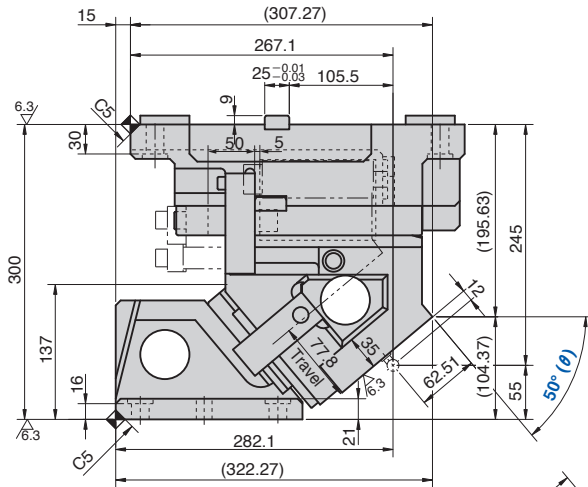
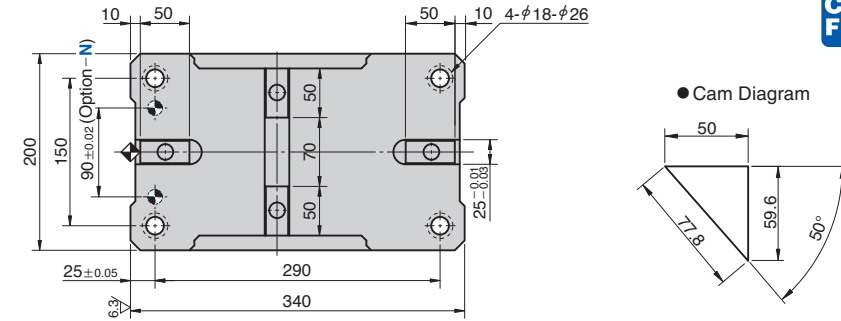
UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR200-50

CAD FILE



Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
77.8	353.0 (36.0)		6125.0 (624.6)	8015 (817.9)	86.9 (31.9)	UCMSNR 200	50		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	50	GK	
	UCMSNR 200	200	50	NGK	
	UCMSNR 200	200	50	NISO	
	UCMSNR 200	200	50	GK	- N
	UCMSNR 200	200	50	GK	- NF

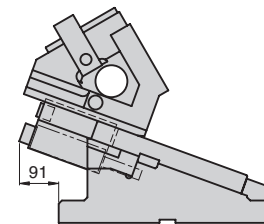
Option	Option Code	Specification
	N	φ16H7 dowel hole is drilled on the cam holder.
	NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



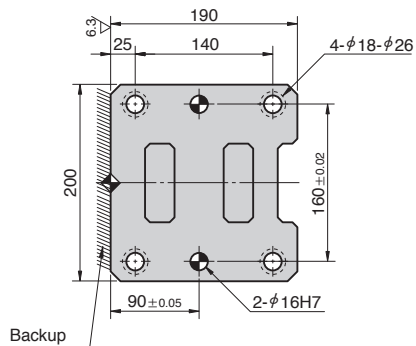
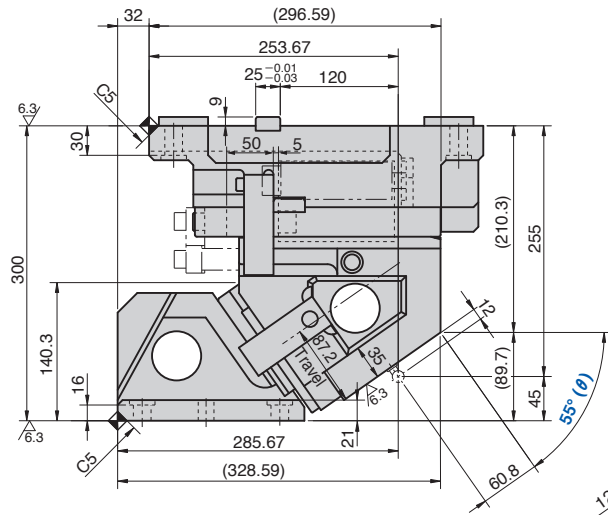
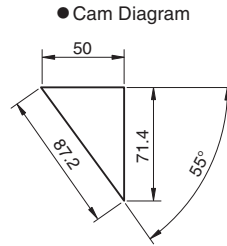
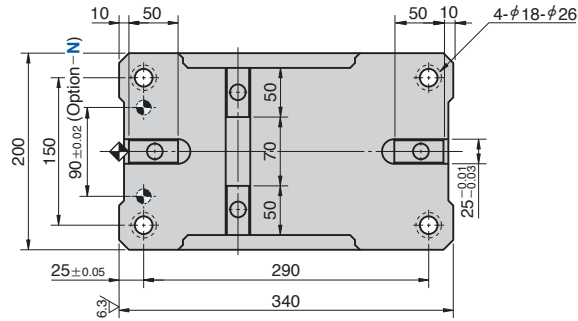
UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR200-55

CAD FILE



Backup

Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
87.2	353.0 (36.0)		6125.0 (624.6)	8716 (889.4)	90.6 (33.3)	UCMSNR 200	55		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	55	GK	
UCMSNR 200	200	55	NGK	
UCMSNR 200	200	55	NISO	
UCMSNR 200	200	55	GK	- N
UCMSNR 200	200	55	GK	- NF



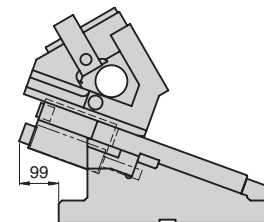
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Standard Cam Units

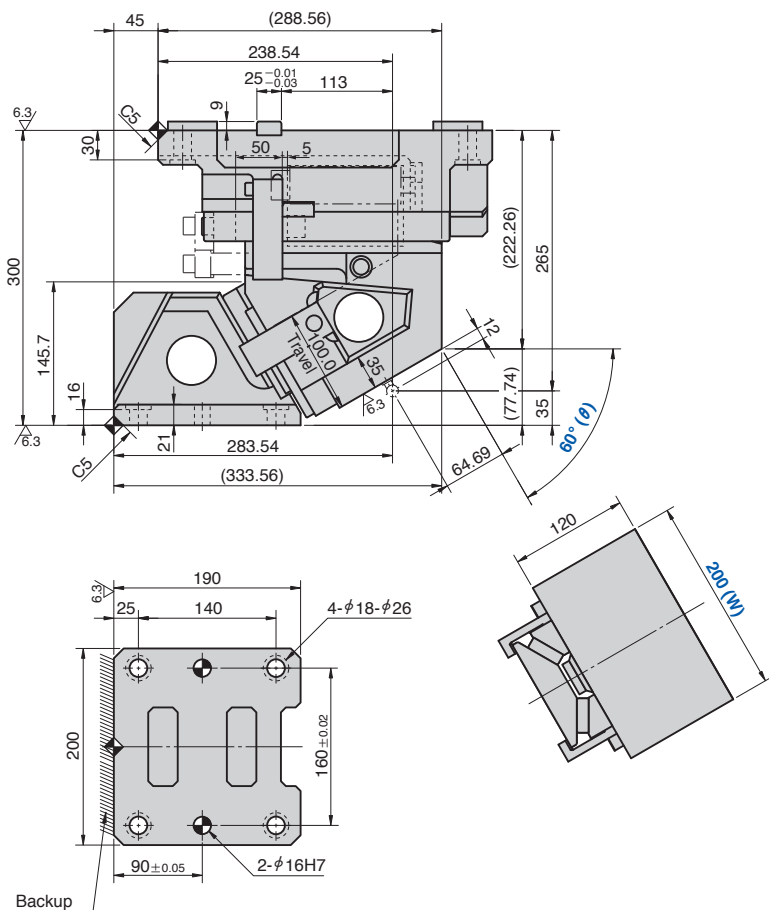
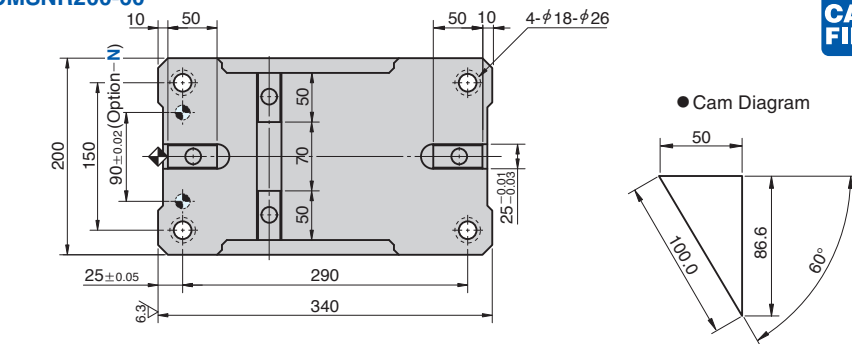
UCMSNR 200

UCMSNR

NAAMS Type

Aerial Cam Unit

UCMSNR200-60



Backup

Refer to page 809 for Table of Components.

Travel S	Working Force kN (tonf)	Spring Force N (kgf)		Return Force N (kgf)	Total Weight (Slider Weight) kg	Catalog No.	W	θ	Spring Type PS
		Initial Load	Final Load						
100.0	353.0 (36.0)		6125.0 (624.6)	9636 (983.3)	90.9 (33.8)	UCMSNR 200	60		GK NGK
			5334.0 (543.9)						GD NGD
			6900.0 (703.6)						GS NGS
		749.2 (76.4)	4494.0 (458.3)						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 200	200	60	GK	
UCMSNR 200	200	60	NGK	
UCMSNR 200	200	60	NISO	
UCMSNR 200	200	60	GK	N
UCMSNR 200	200	60	GK	NF



Option

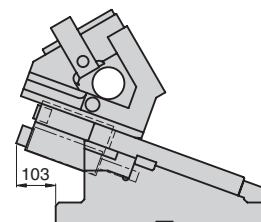
Option Code	Specification
N	φ16H7 dowel hole is drilled on the cam holder.
NF	Nitrogen gas not charged.

Spring Specification

No.	PS	Spring Model	Qty	Remark
45	GK	K500-63.5	1	Gas Spring (KALLER)
	GD	L500.063.138	1	Gas Spring (DADCO)
	GS	SM500.63	1	Gas Spring (SDT)
	ISO	TJM50-178	1	Coil Spring [Spring constant = 74.9 N/mm]

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

Rear Removal Space



Standard Cam Units

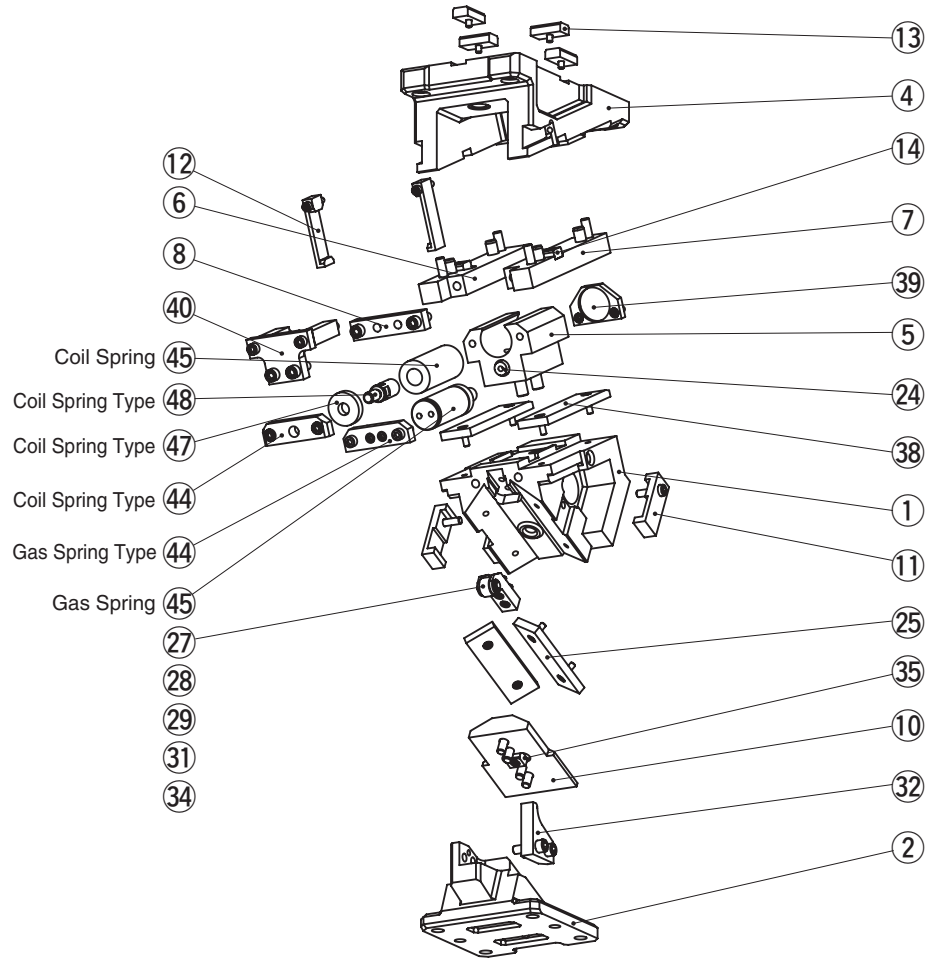
UCMSNR 200

UCMSNR [Table of Components]

NAAMS Type

Aerial Cam Unit

UCMSNR200



No.	Description	Qty		Material and Remark
		Coil Spring	Gas Spring	
1	Cam Slider	1		Cast Iron
2	Cam Driver	1		Cast Iron
4	Cam Holder	1		Cast Iron
5	Spring Guide	1		Bronze with Graphite
6	Base Plate D R	1		Steel
7	Base Plate D L	1		Steel
8	Stopper Plate	1		Steel
10	Cam Slide Guide	1		Bronze with Graphite
11	Positive Return Follower	2		Steel
12	Safety Plate	2		Steel
13	Key A	4		Steel
14	Key B	2		Steel
24	Stopper	1		—
25	Slide Plate	2		Steel
27	Roller	1		Steel 0°~25° only
28	Roller Pin	1		Steel 0°~25° only
29	Bushing	1		SOB12-18-16 0°~25° only
31	Roller Bracket	1		Steel 0°~25° only
32	Roller Driver	1		Steel 0°~25° only
34	Snap Ring E type	2		φ9 0°~25° only
35	Key C	1		Steel
38	Wear Plate	2		Bronze with Graphite
39	Spring Support	1		Steel
40	Slide Lock Plate	1		Steel
44	Spring Guide Plate	1		Steel
45	Spring	1		Refer to the Spring Specification.
47	Washer	1	—	Steel ISO specification only
48	Spring Guide Pin	1	—	Steel ISO specification only

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