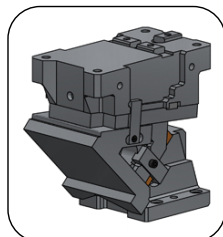


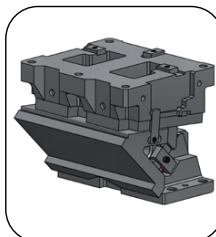


AWBC
Aerial cam for pierce and flange

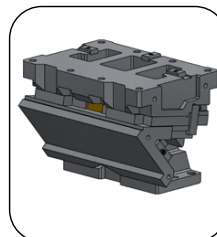
General information



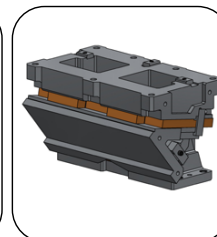
AWBC 0200
AWBC 0300



AWBC 0400



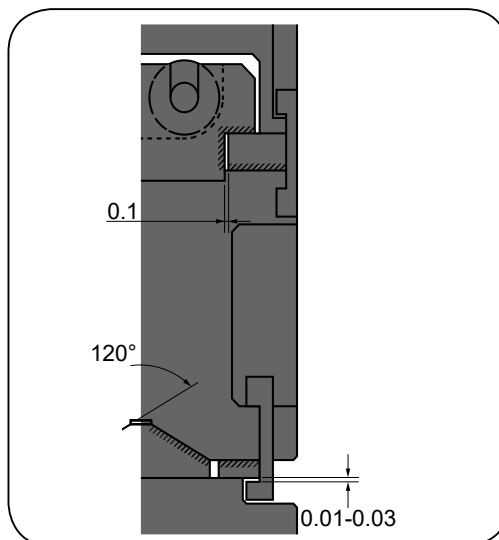
AWBC 0500



AWBC 0600

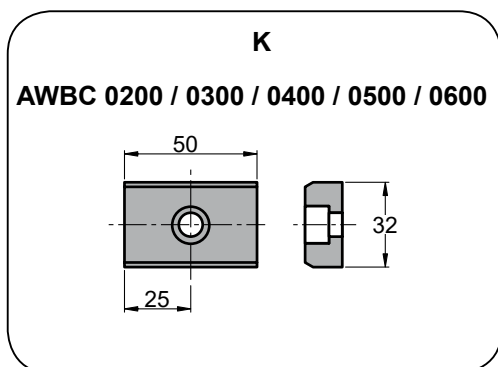
- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

Adjustment clearances



AWBC 0200
AWBC 0300
AWBC 0400
AWBC 0500
AWBC 0600

Keys



AWBC*Aerial cam for pierce and flange***AZOL
GAS** 

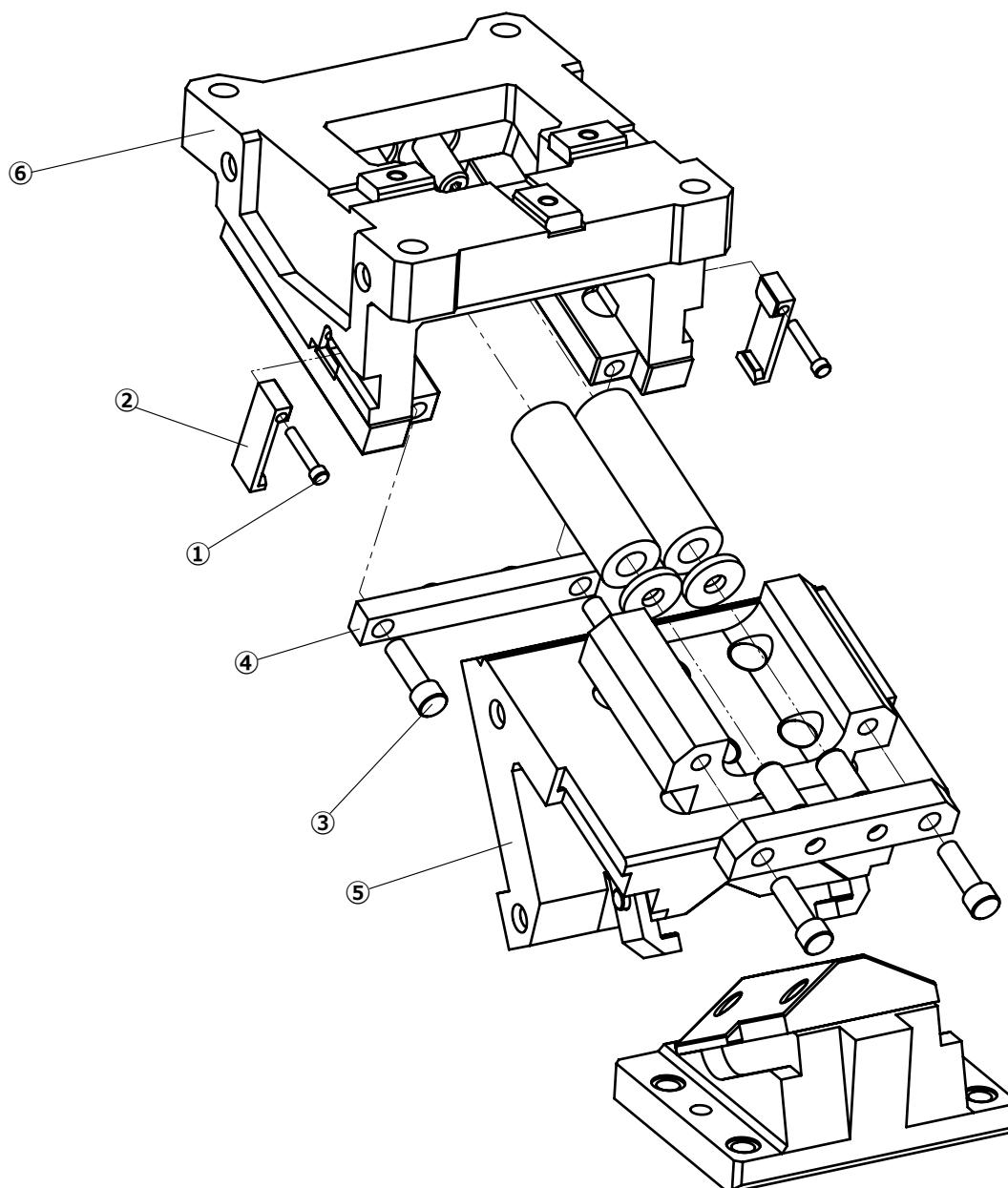
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove extraction plates ②.
- Unscrew ③ and remove stopper plate ④.
- Push cam slider ⑤ and remove cam support ⑥.

Assembling process

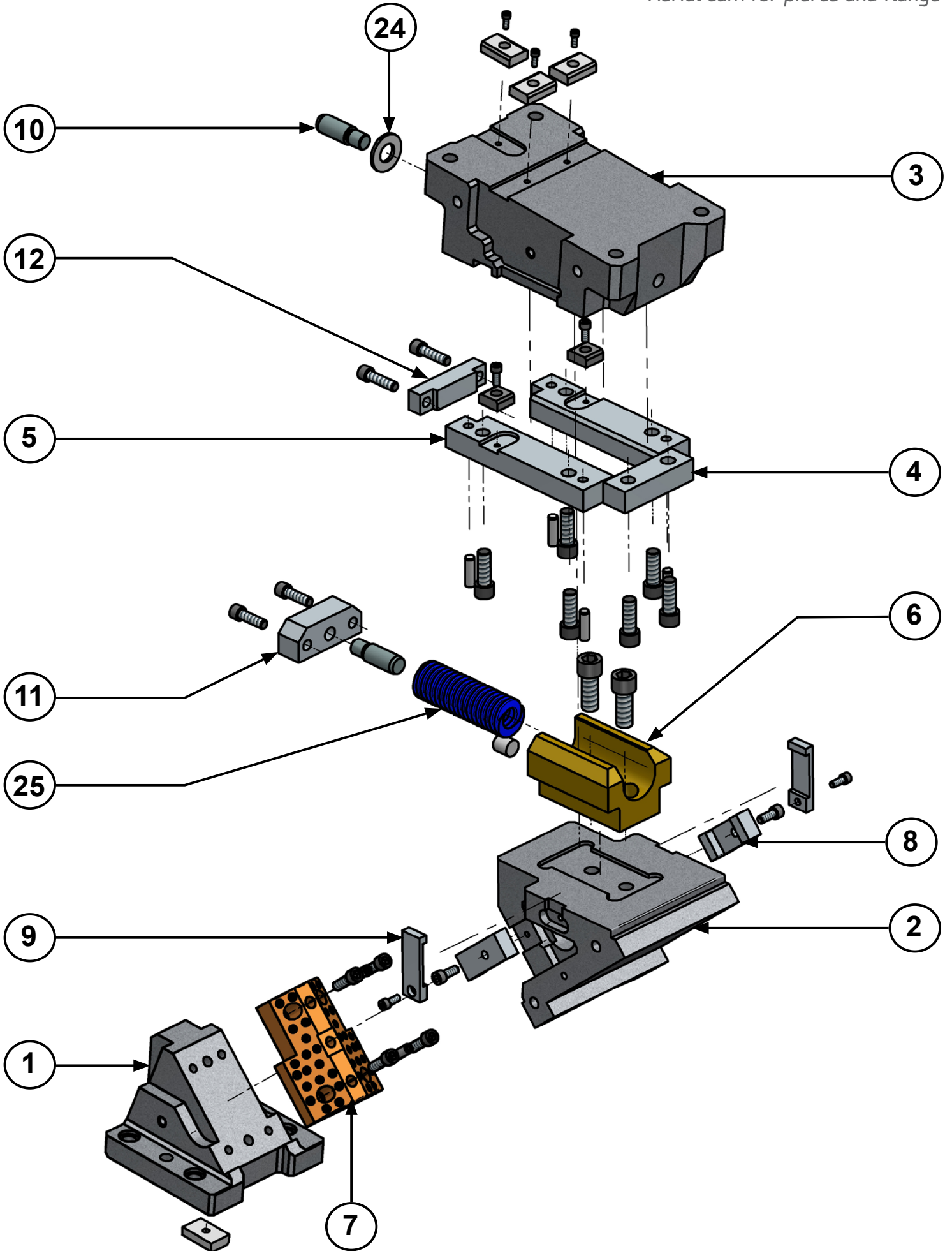
- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.





AWBC 0200

Aerial cam for pierce and flange

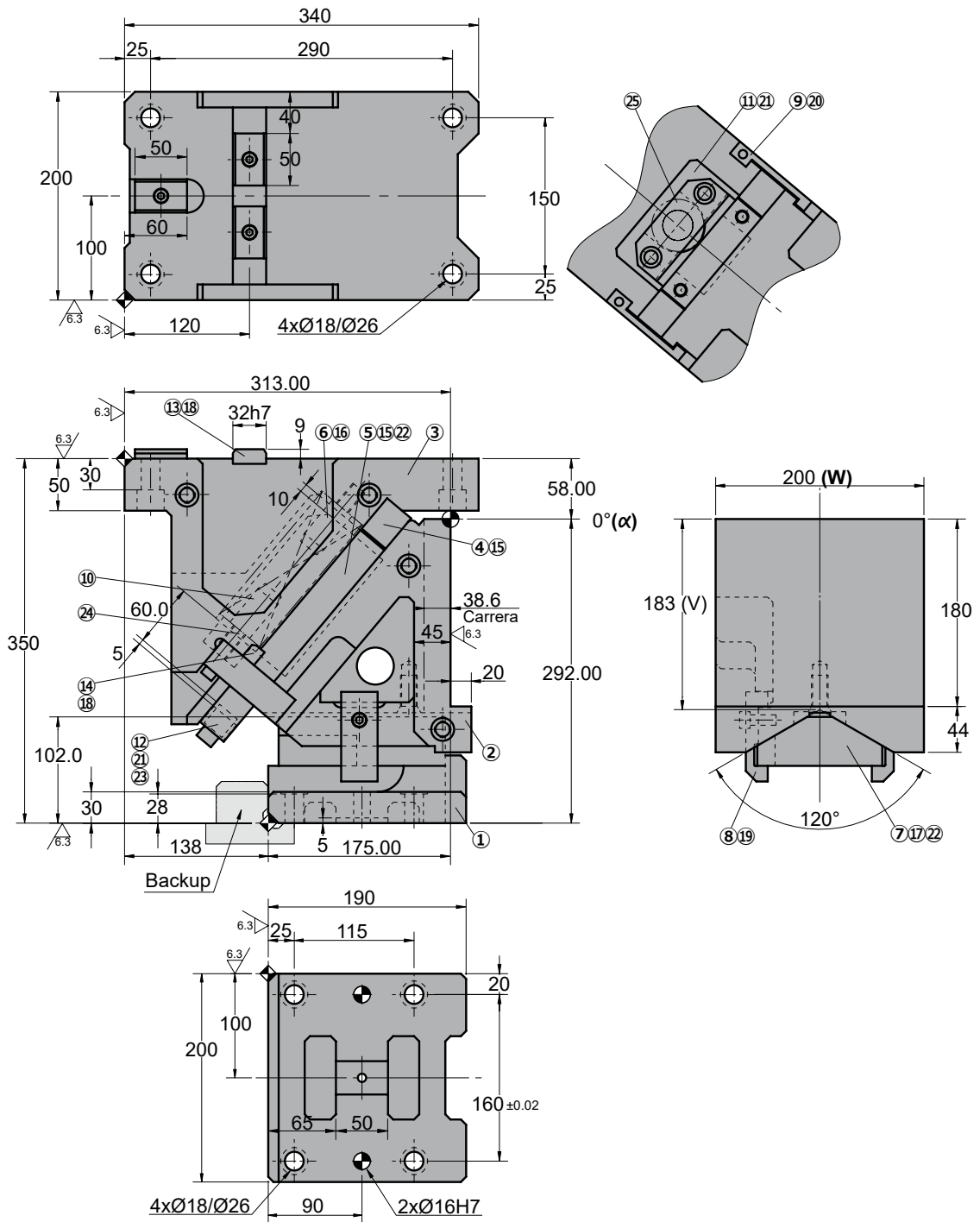


AWBC 0200

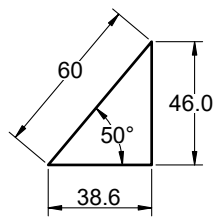
Aerial cam for pierce and flange



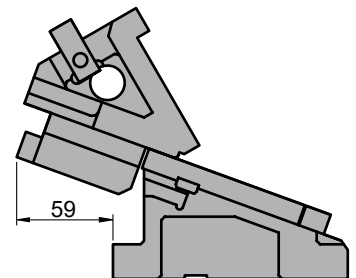
AWBC 0200 00



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	95.0	AWBC	0200	00
			---	6729.7 (686.2)				



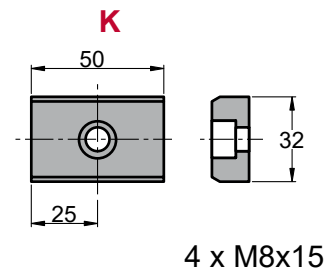
Order: Model (W) (α)
AWBC 0200 00

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

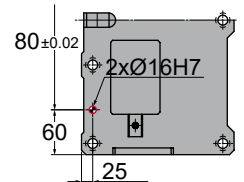
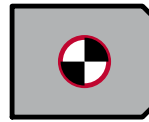
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 00-K**
- AWBC 0200 00-G-P16**
- AWBC 0200 00-G-P16-K**
- AWBC 0200 00-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

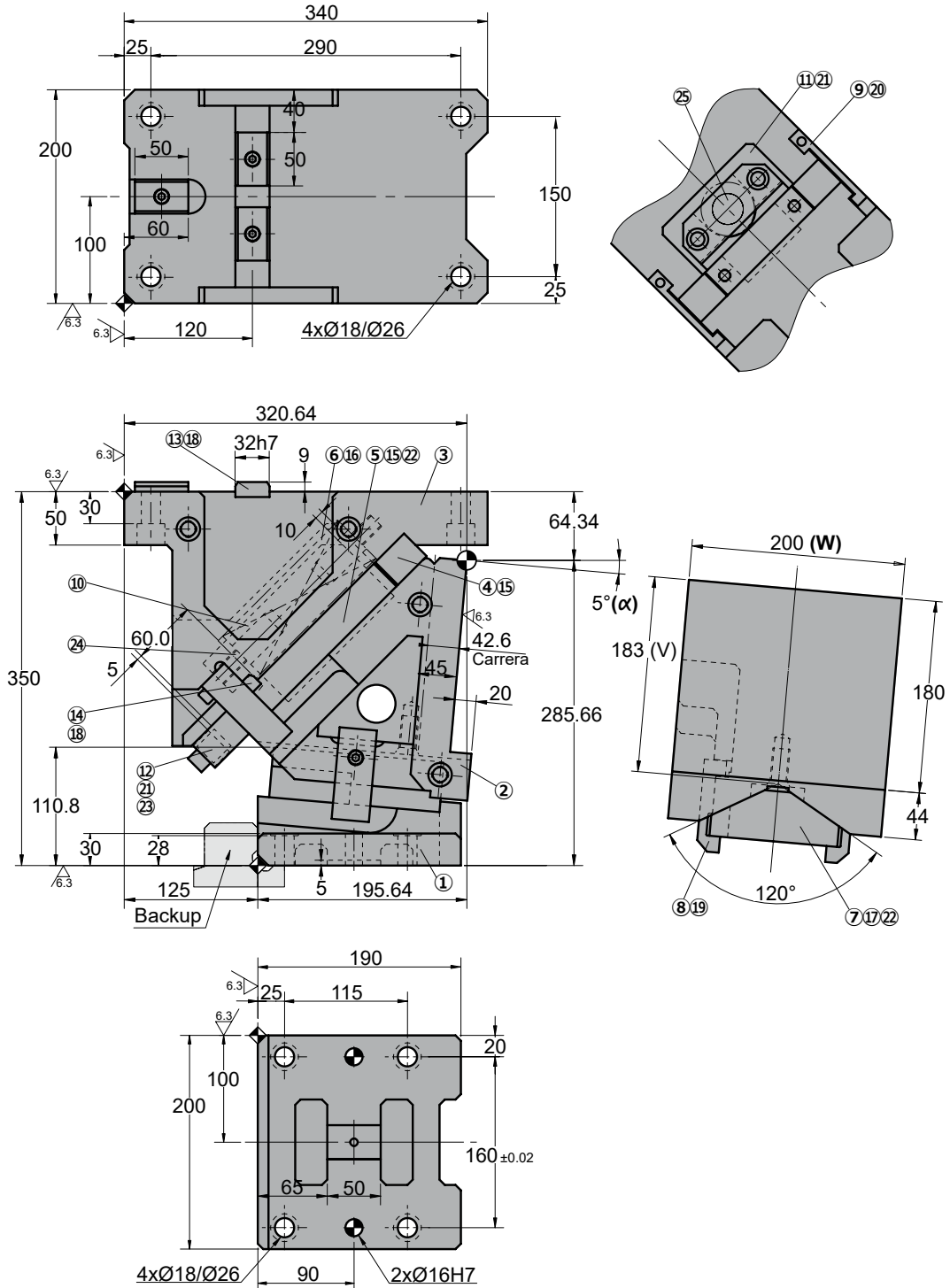
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

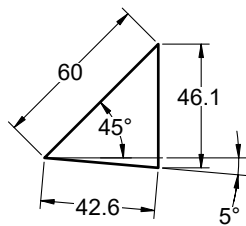
Aerial cam for pierce and flange



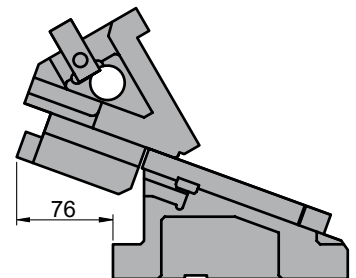
AWBC 0200 05



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	0200	05
			---	6729.7 (686.2)				



Order: Model (W) (α)
AWBC 0200 05

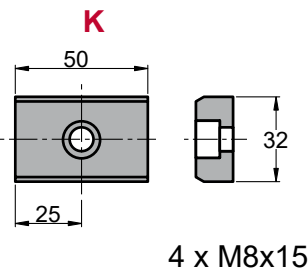
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

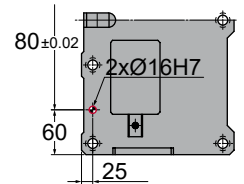
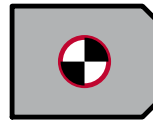
KEY

KF



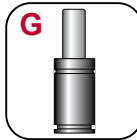
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 05-K**
- AWBC 0200 05-G-P16**
- AWBC 0200 05-G-P16-K**
- AWBC 0200 05-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

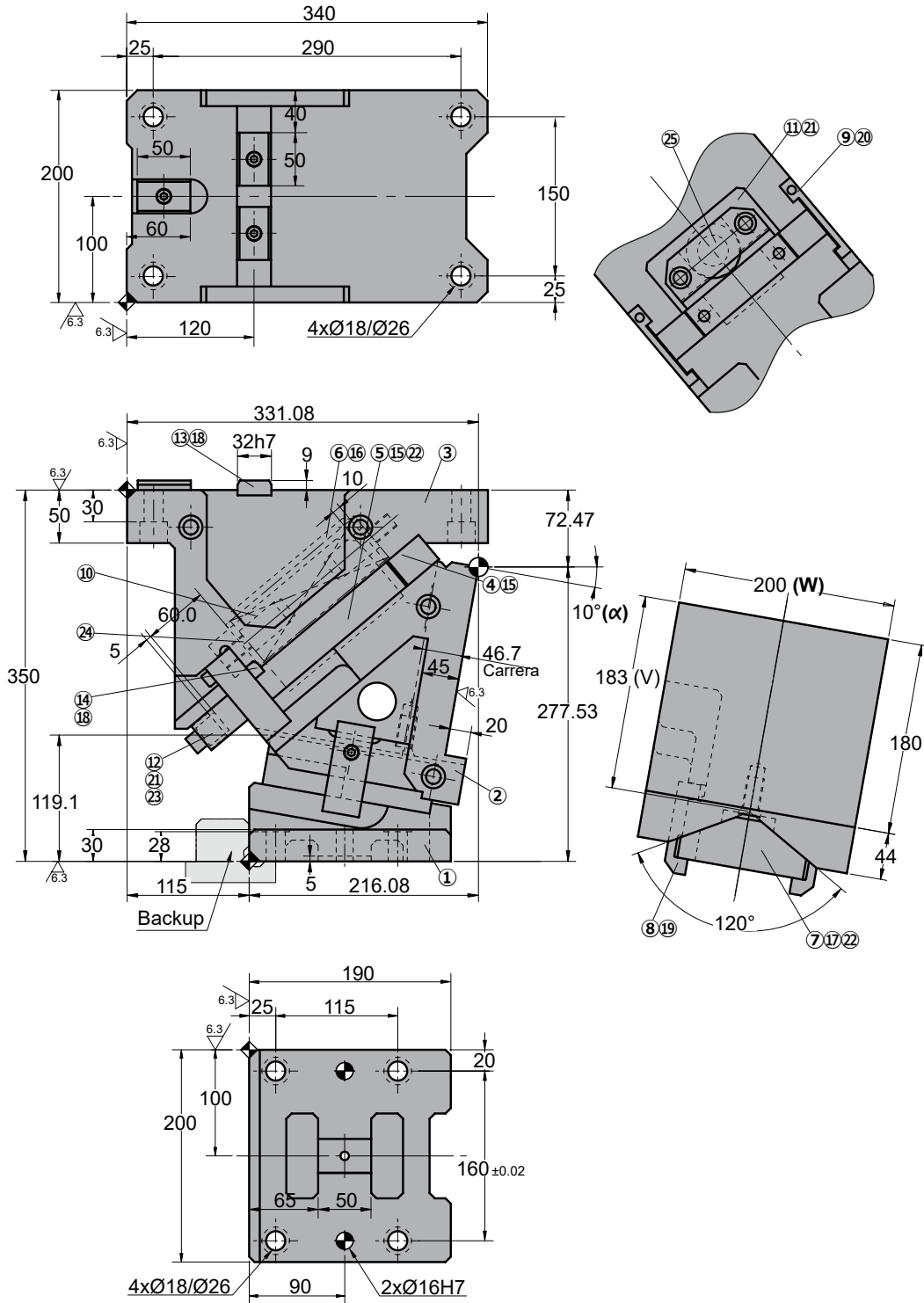
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

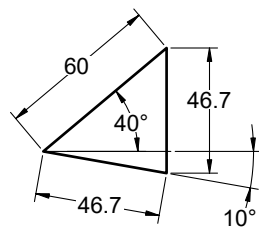
Aerial cam for pierce and flange



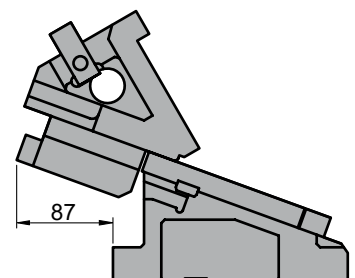
AWBC 0200 10



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.6	AWBC	0200	10
			---	6729.7 (686.2)				



Order: Model (W) (α)
AWBC 0200 10

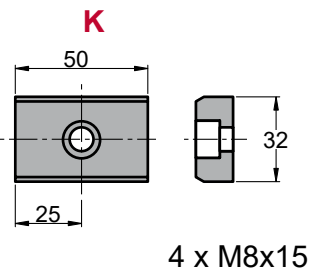
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

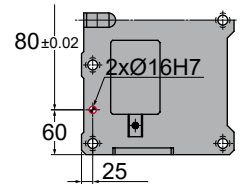
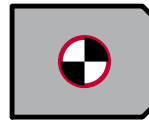
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 10-K**
- AWBC 0200 10-G-P16**
- AWBC 0200 10-G-P16-K**
- AWBC 0200 10-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

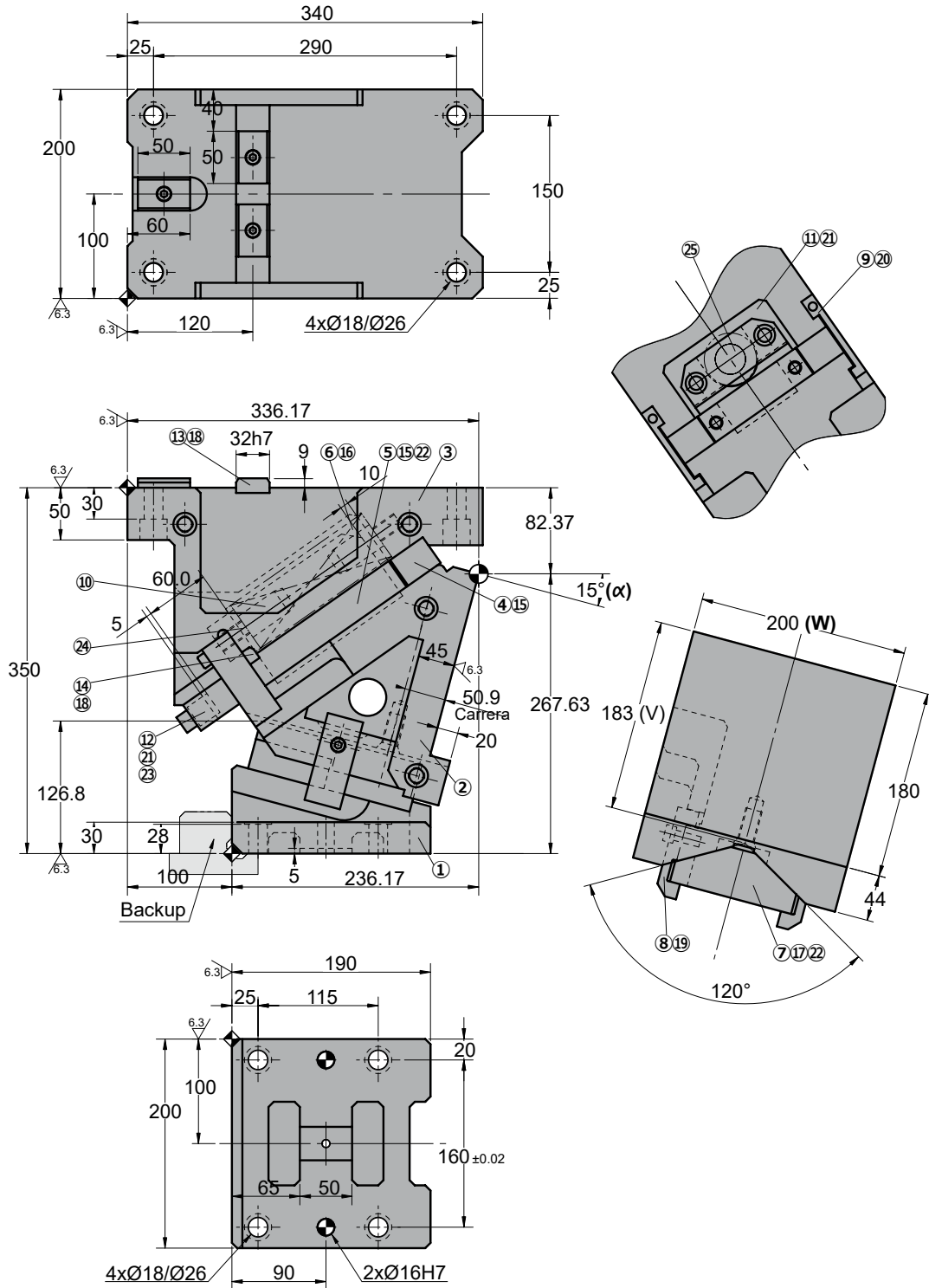
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

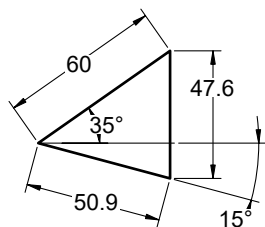
Aerial cam for pierce and flange



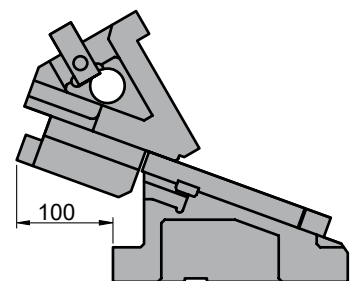
AWBC 0200 15



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	93.3	AWBC	0200	15
			---	6729.7 (686.2)				



Order: Model (W) (α)
AWBC 0200 15

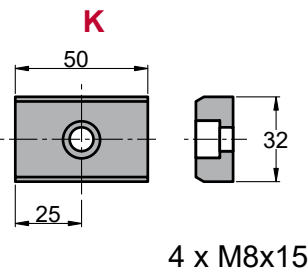
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

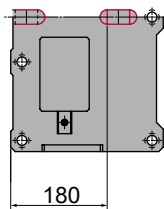
K - KF

KEY

KF

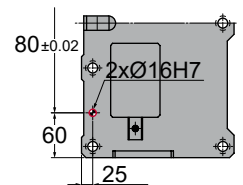
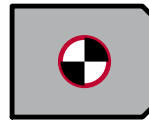


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 15-K**
- AWBC 0200 15-G-P16**
- AWBC 0200 15-G-P16-K**
- AWBC 0200 15-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

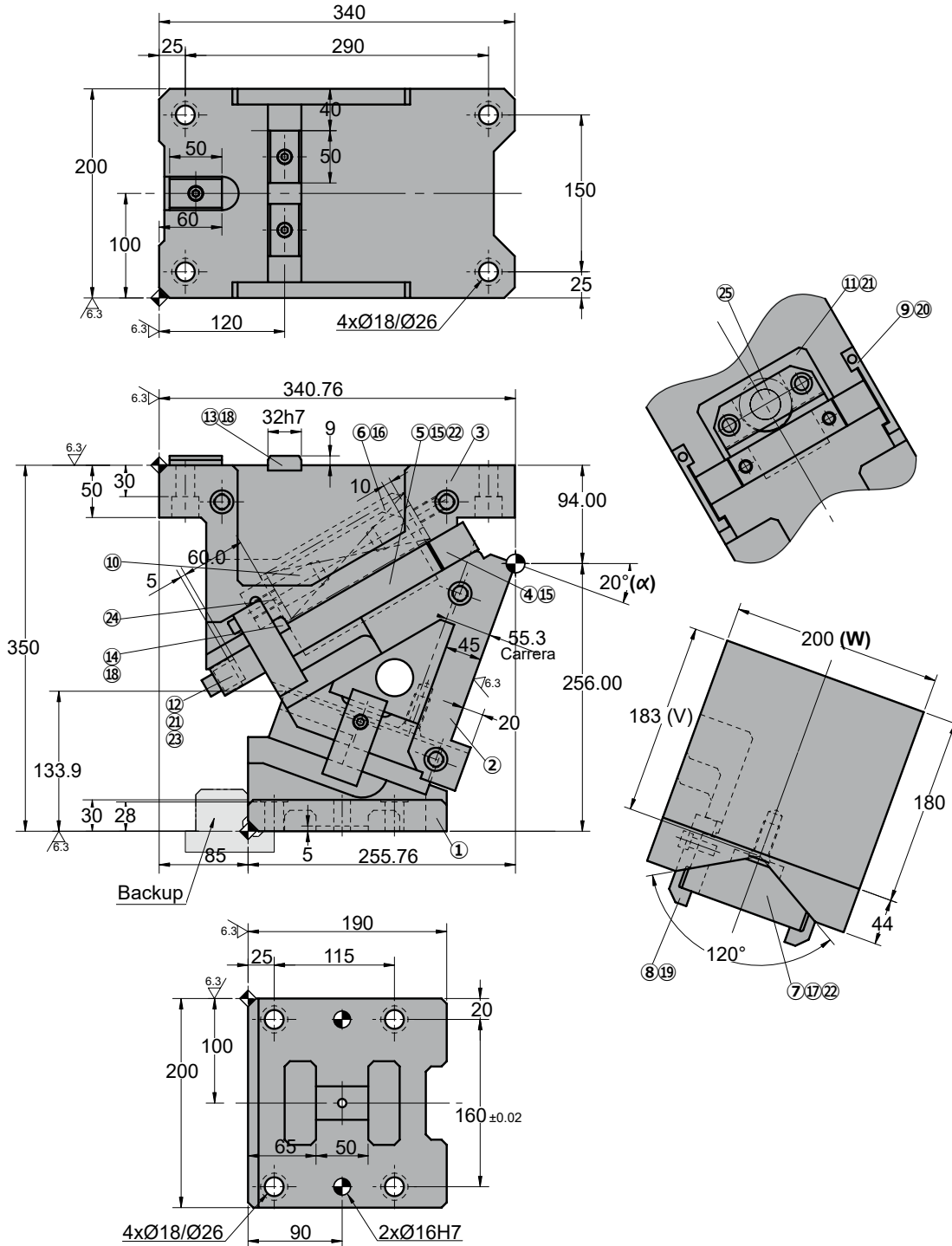
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

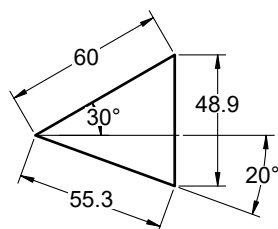
Aerial cam for pierce and flange



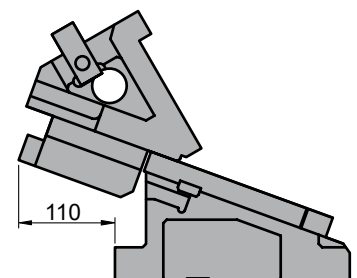
AWBC 0200 20



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	92.7	AWBC	0200	20
			---	6729.7 (686.2)				



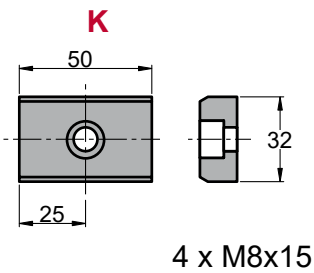
Order: Model (W) (α)
AWBC 0200 20

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

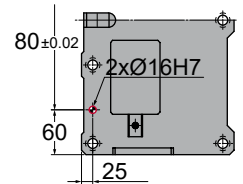
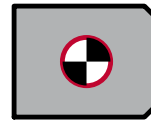
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 20-K**
- AWBC 0200 20-G-P16**
- AWBC 0200 20-G-P16-K**
- AWBC 0200 20-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

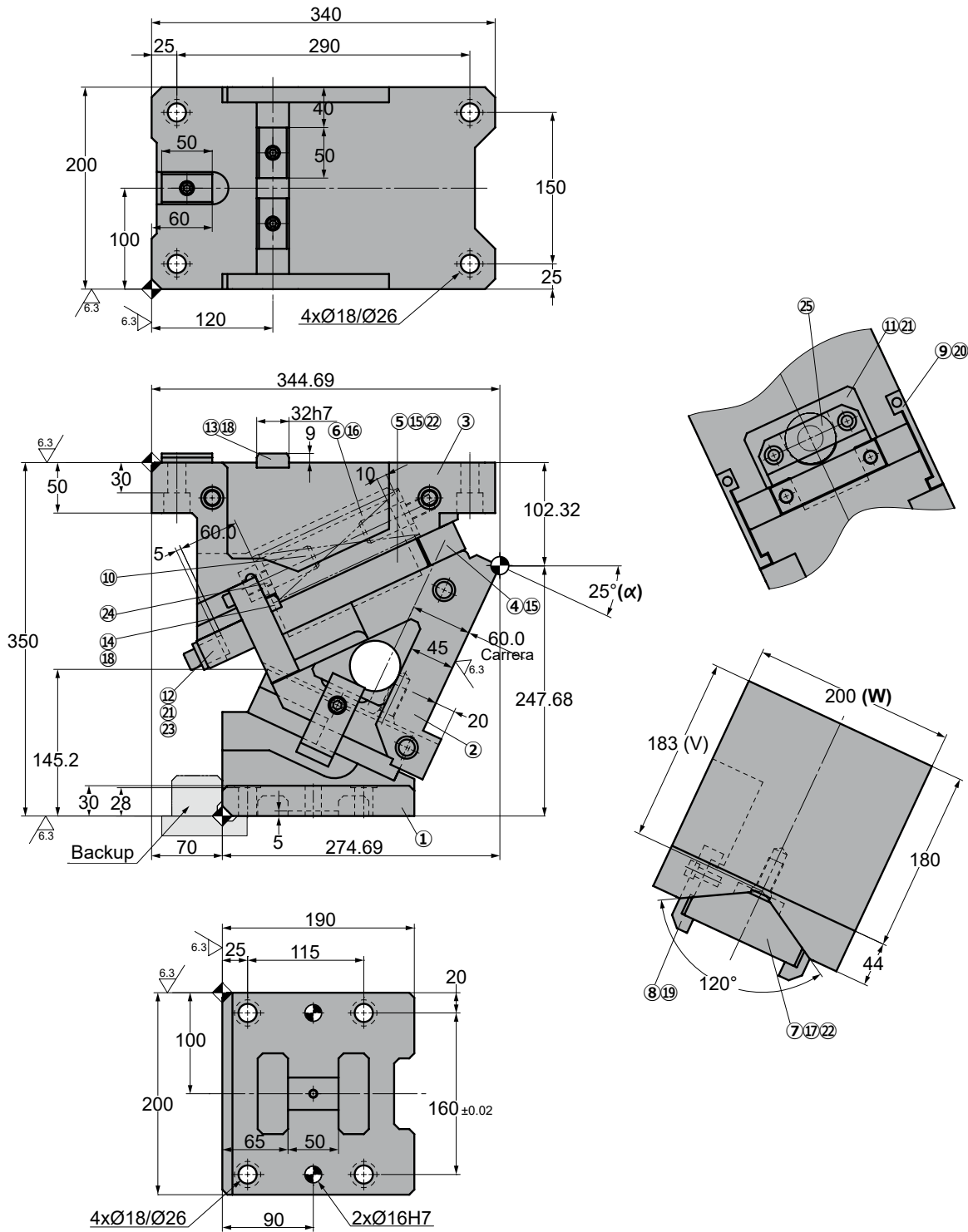
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

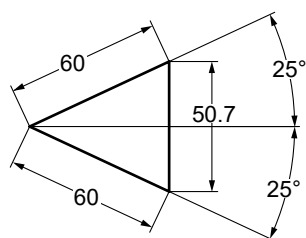
Aerial cam for pierce and flange



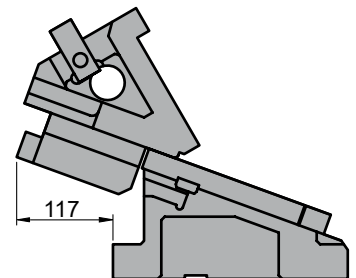
AWBC 0200 25



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	200	25
			---	6729.7 (686.2)				



Order: Model (W) (α)
AWBC 0200 25

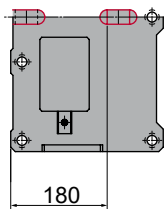
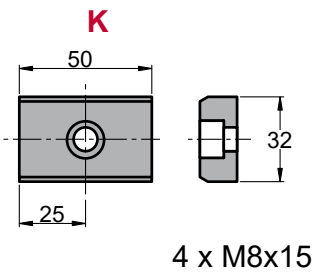
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

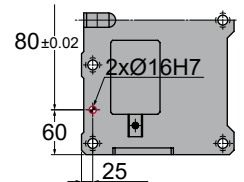
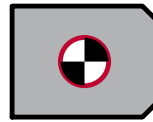
KEY

KF



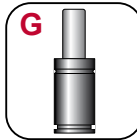
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 25-K**
- AWBC 0200 25-G-P16**
- AWBC 0200 25-G-P16-K**
- AWBC 0200 25-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

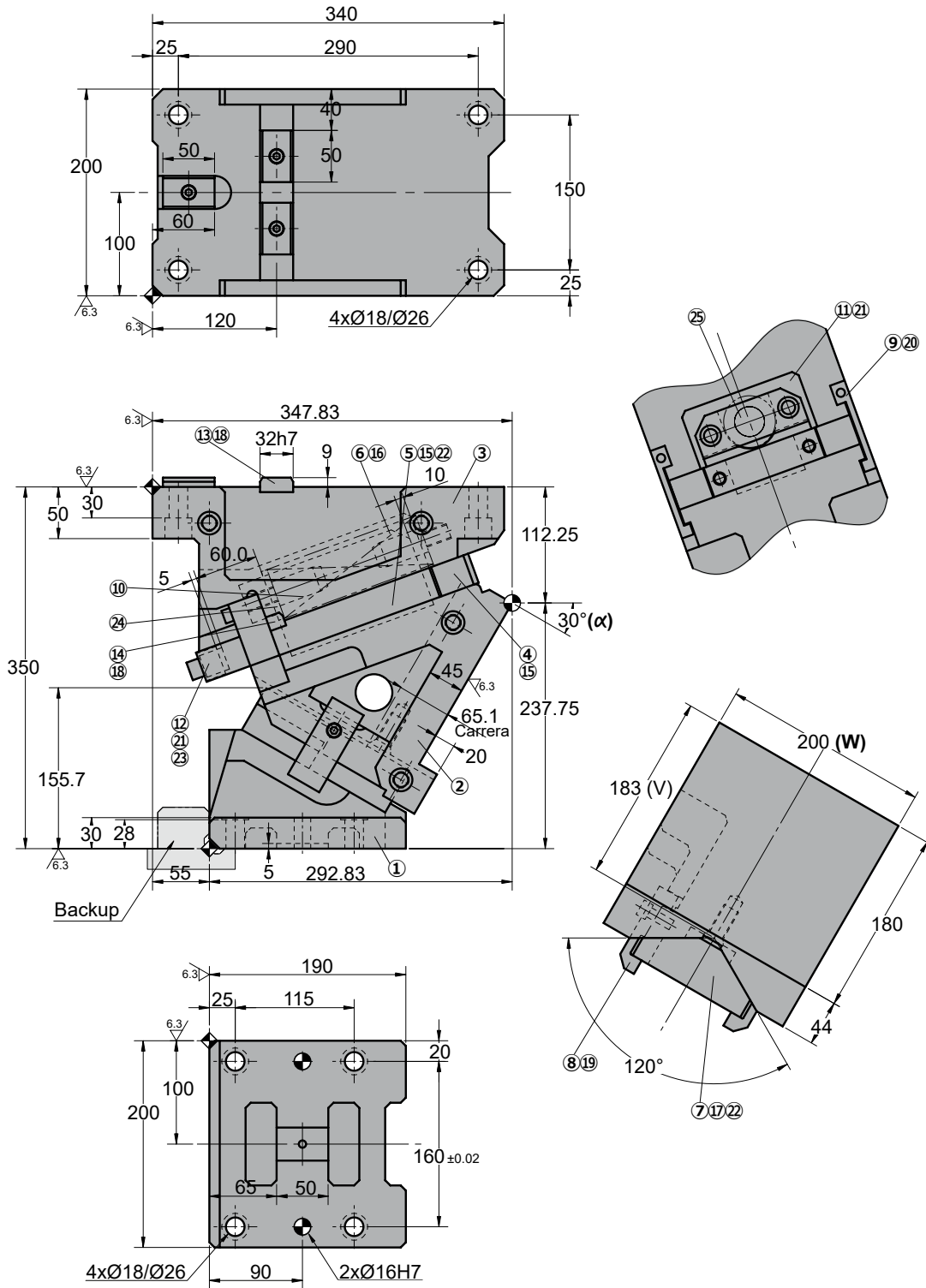
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

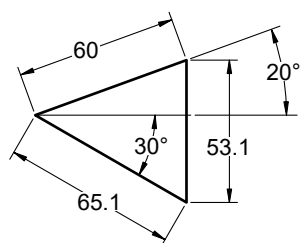
Aerial cam for pierce and flange



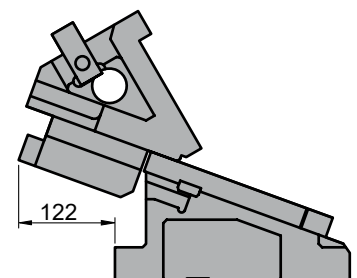
AWBC 0200 30



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	92.7	AWBC	0200	30
			---	6729.7 (686.2)				



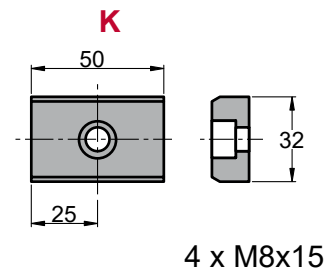
Order: Model (W) (α)
AWBC 0200 30

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

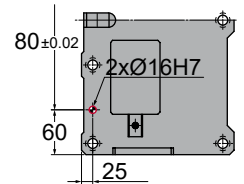
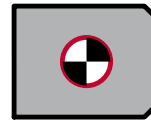
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 30-K**
- AWBC 0200 30-G-P16**
- AWBC 0200 30-G-P16-K**
- AWBC 0200 30-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

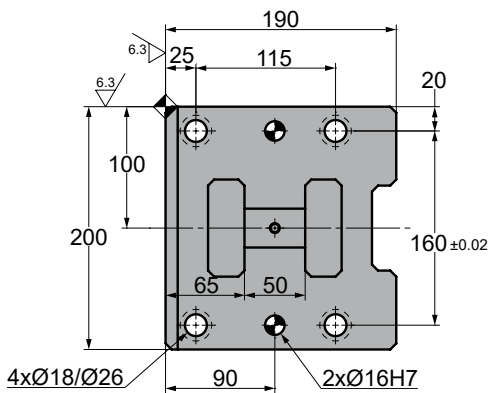
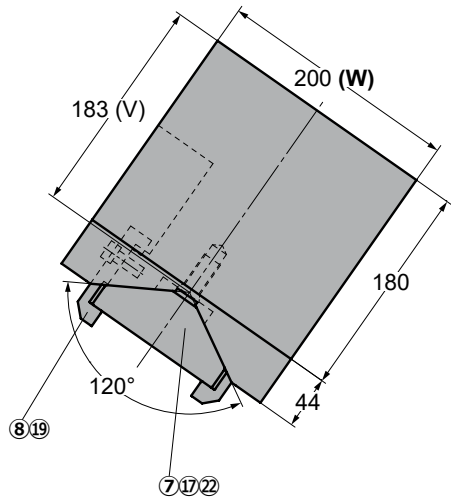
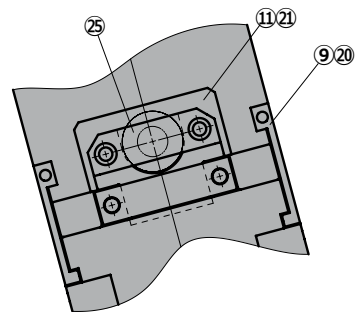
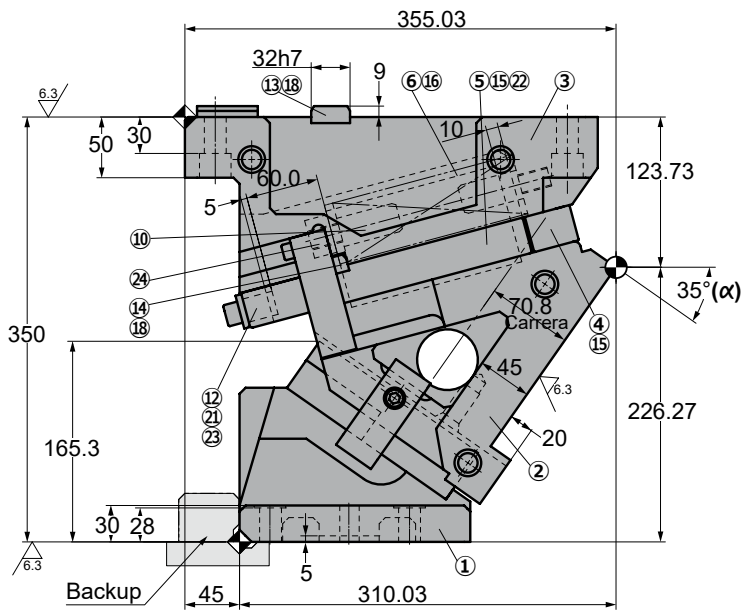
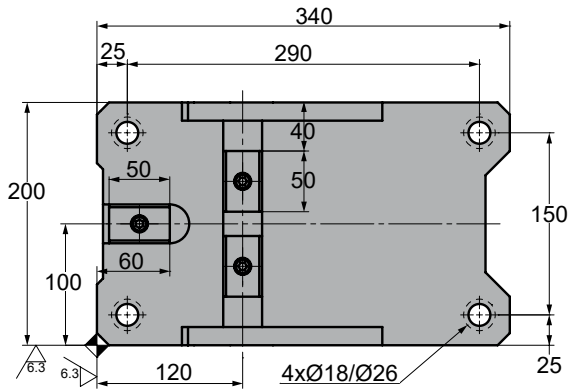
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

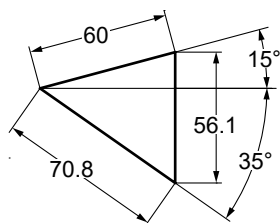
Aerial cam for pierce and flange



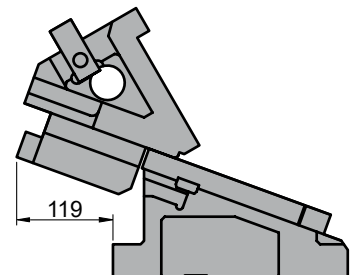
AWBC 0200 35



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	200	35
			---	6729.7 (686.2)				



Order: Model (W) (α)
AWBC 0200 35

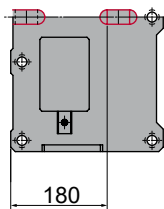
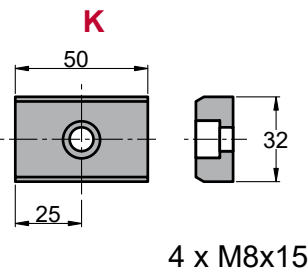
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

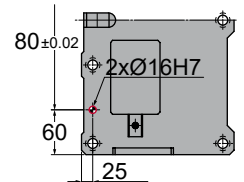
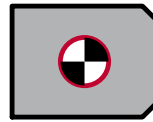
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 35-K**
- AWBC 0200 35-G-P16**
- AWBC 0200 35-G-P16-K**
- AWBC 0200 35-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

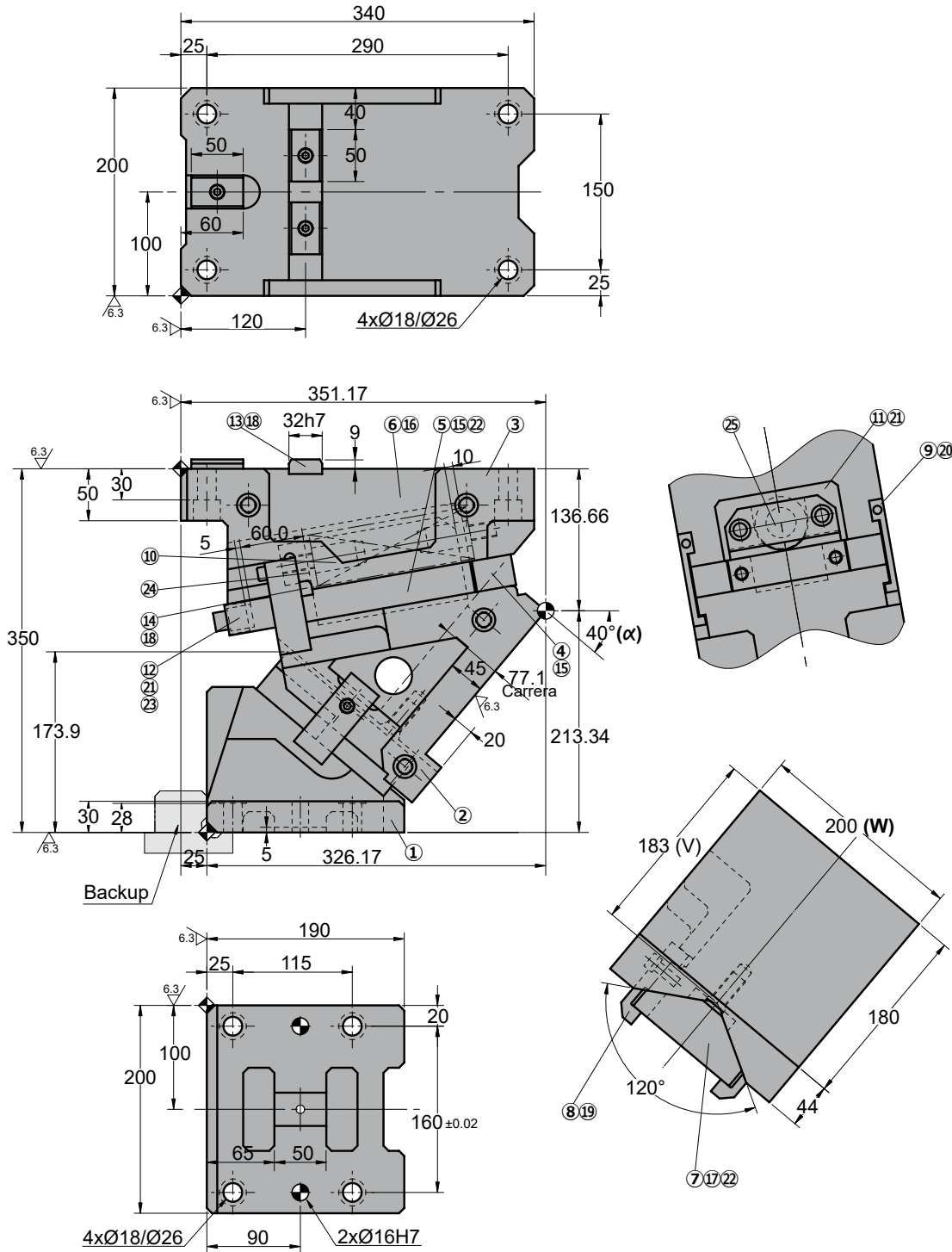
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

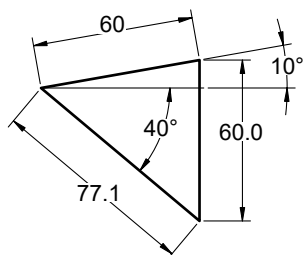
Aerial cam for pierce and flange



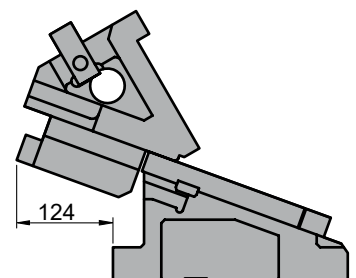
AWBC 0200 40



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.2	AWBC	0200	40
			---	6729.7 (686.2)				



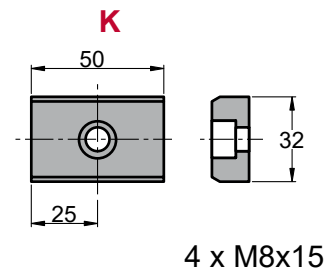
Order: Model (W) (α)
AWBC 0200 40

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

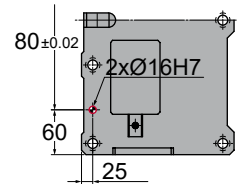
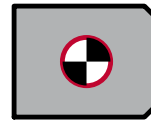
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 40-K**
- AWBC 0200 40-G-P16**
- AWBC 0200 40-G-P16-K**
- AWBC 0200 40-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

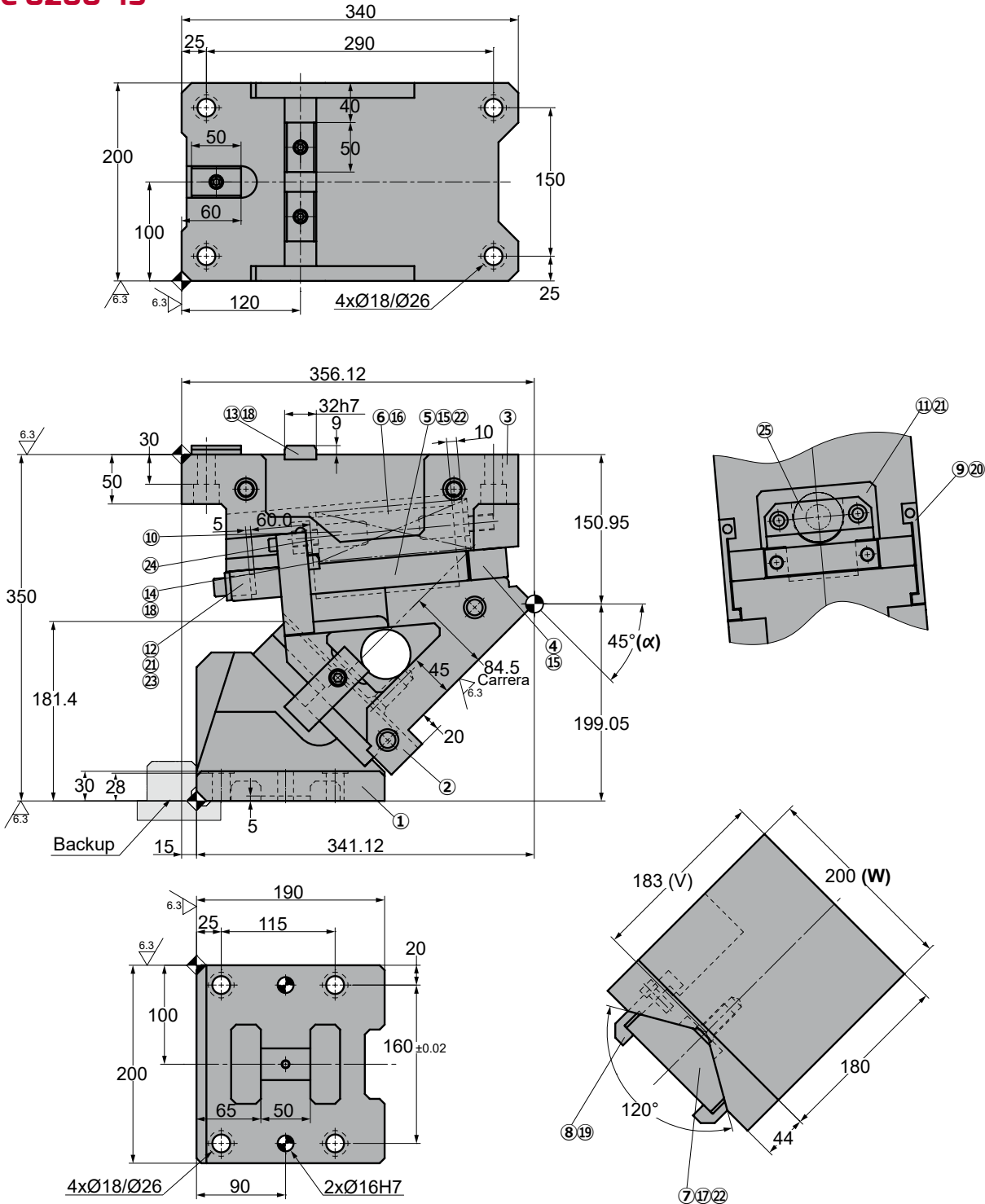
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

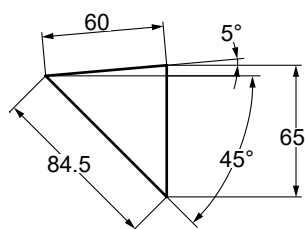
Aerial cam for pierce and flange



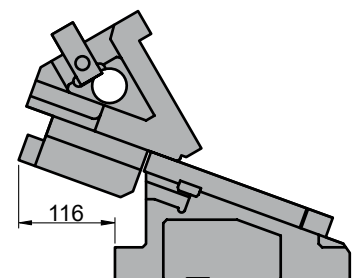
AWBC 0200 45



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	96.3	AWBC	200	45
			---	6729.7 (686.2)				



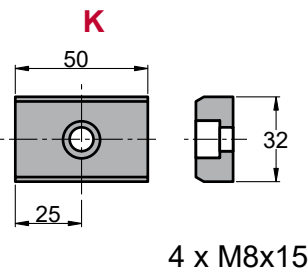
Order: Model (W) (α)
AWBC 0200 45

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

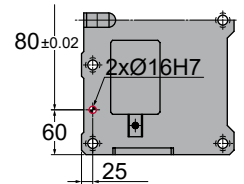
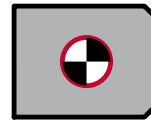
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 45-K**
- AWBC 0200 45-G-P16**
- AWBC 0200 45-G-P16-K**
- AWBC 0200 45-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

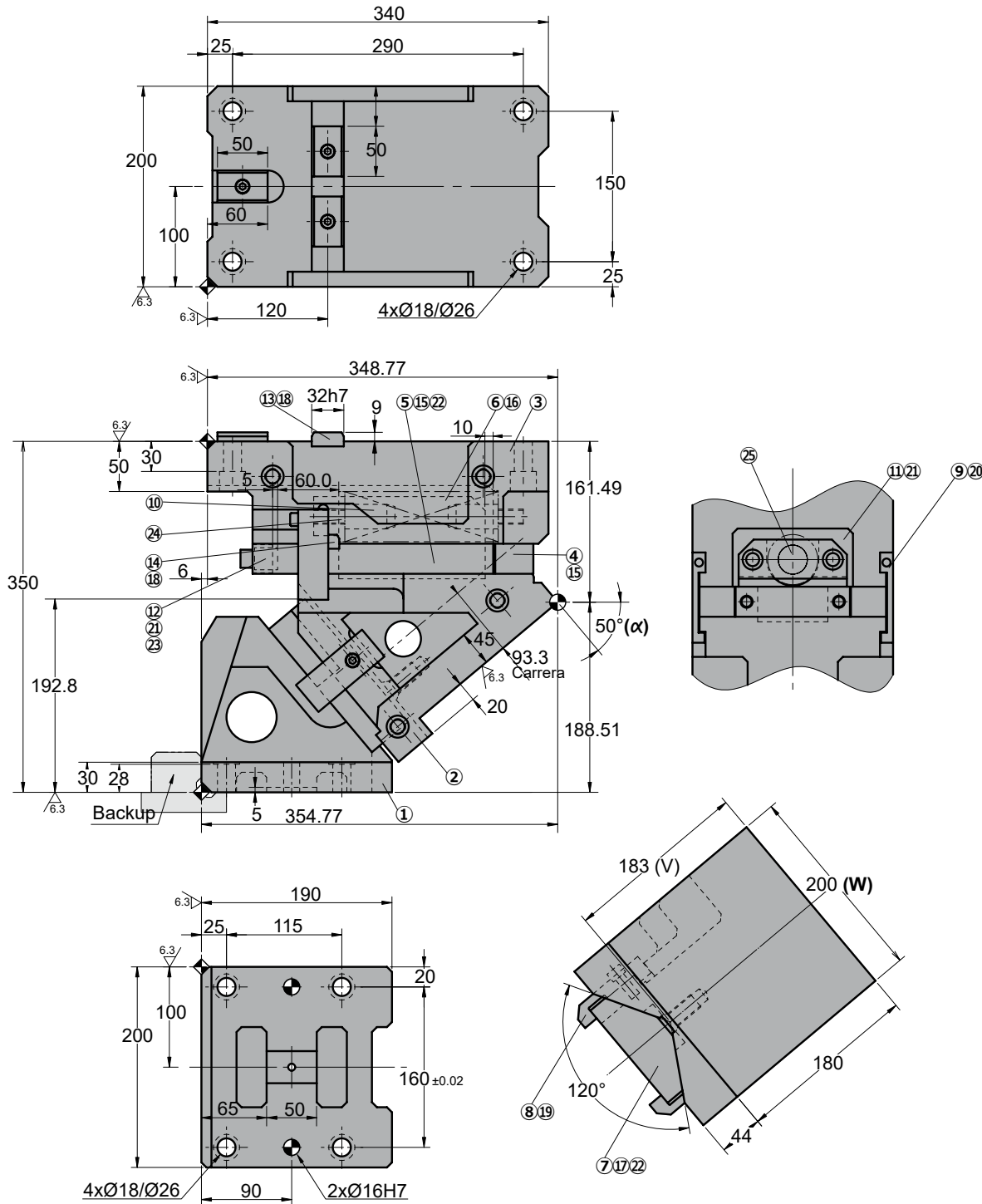
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

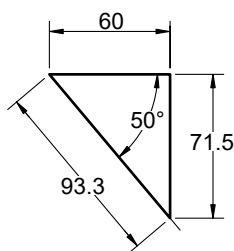
Aerial cam for pierce and flange



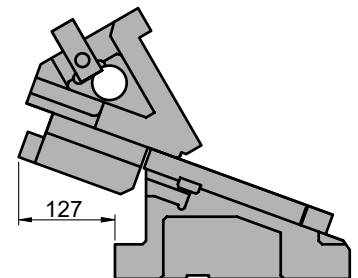
AWBC 0200 50



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	93.7	AWBC	0200	50
			---	6729.7 (686.2)				



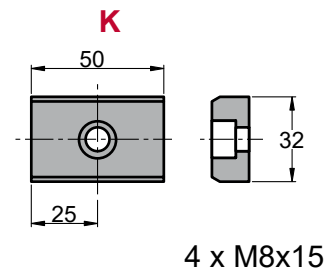
Order: Model (W) (α)
AWBC 0200 50

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

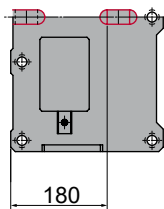
K - KF

KEY



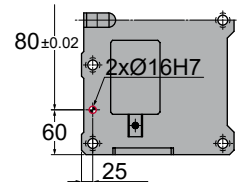
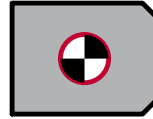
4 x M8x15

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 50-K**
- AWBC 0200 50-G-P16**
- AWBC 0200 50-G-P16-K**
- AWBC 0200 50-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

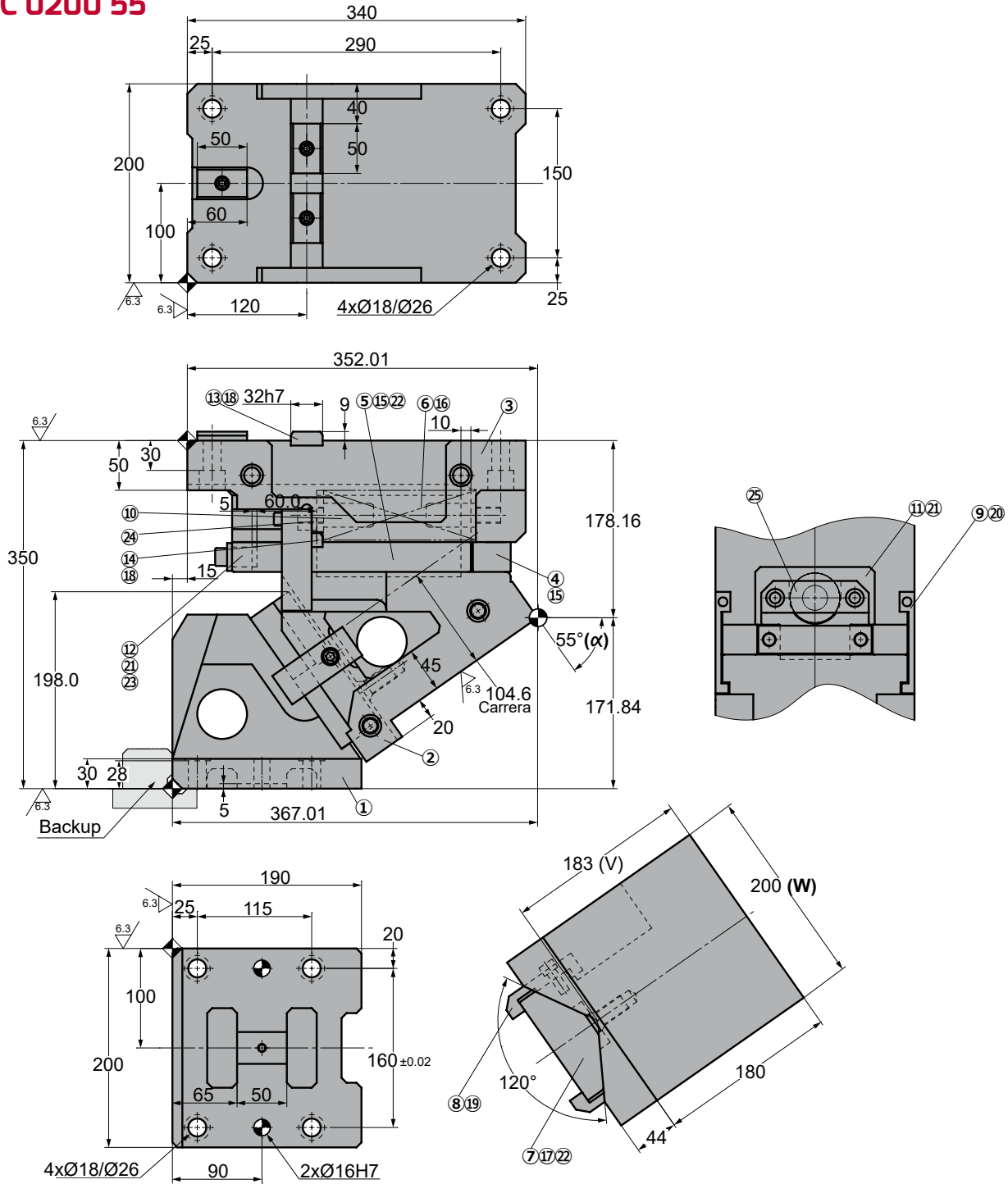
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

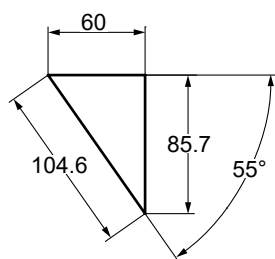
Aerial cam for pierce and flange



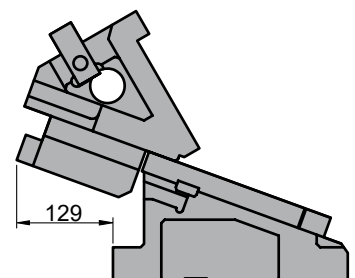
AWBC 0200 55



Cam diagram:



Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	98.2	AWBC	200	55
			---	6729.7 (686.2)				



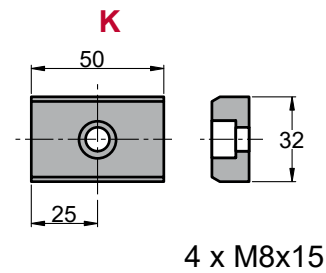
Order: Model (W) (α)
AWBC 0200 55

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

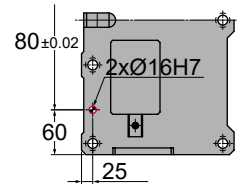
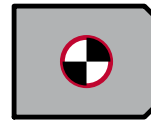
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 55-K**
- AWBC 0200 55-G-P16**
- AWBC 0200 55-G-P16-K**
- AWBC 0200 55-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

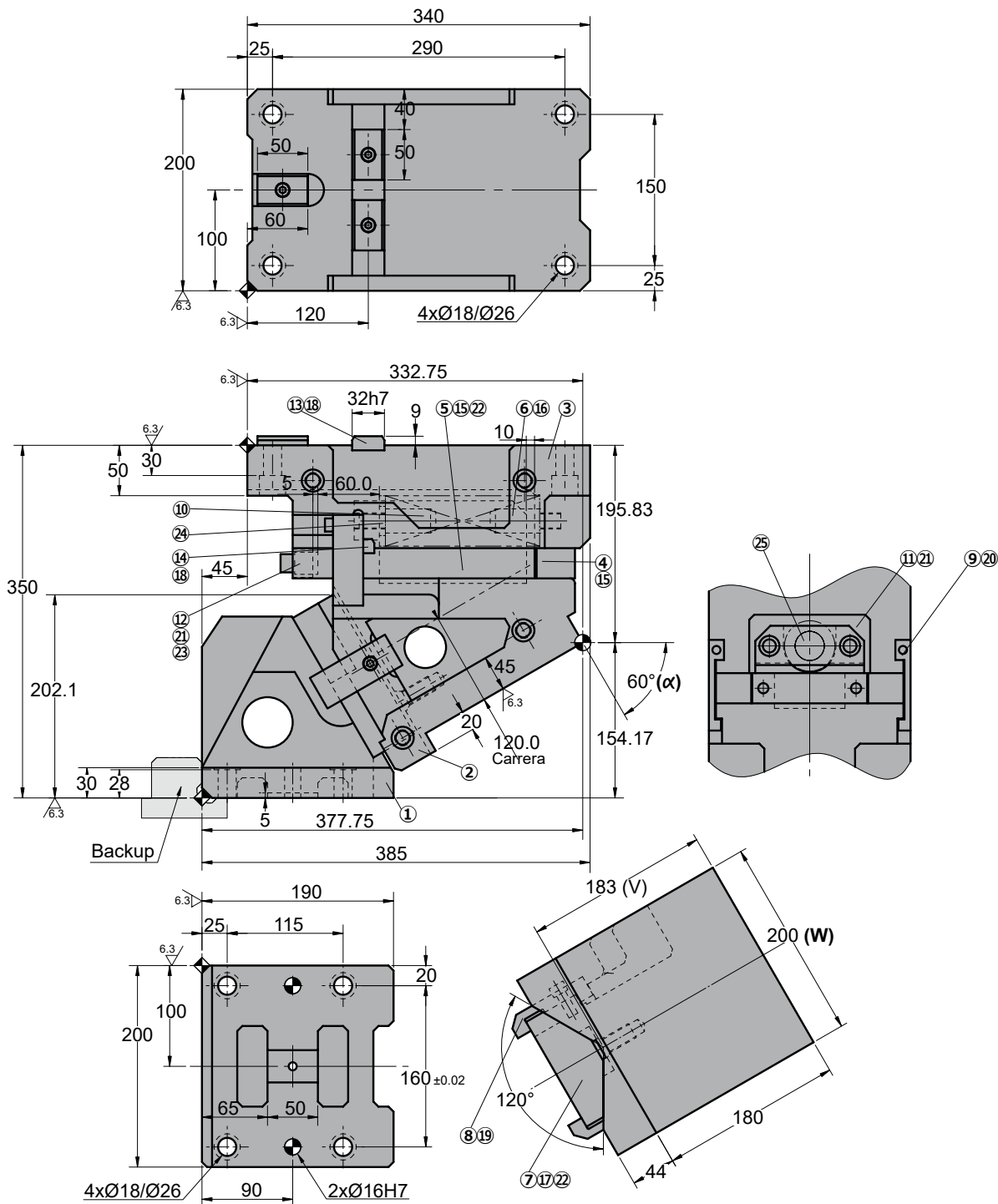
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

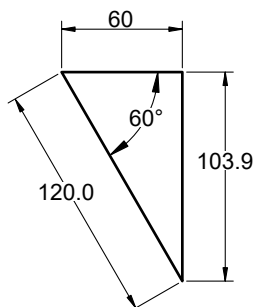
Aerial cam for pierce and flange



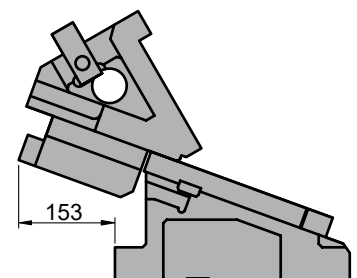
AWBC 0200 60



◦Cam diagram:



◦Disassembling space:





AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	97.3	AWBC	0200	60
			---	6729.7 (686.2)				



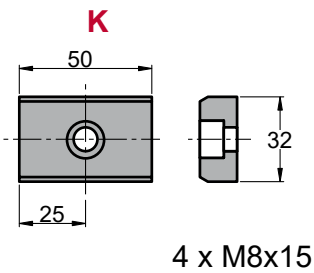
Order: Model (W) (α)
AWBC 0200 60

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

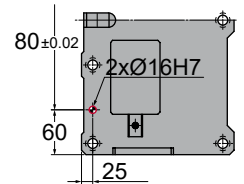
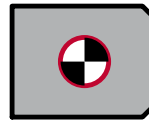
KEY



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0200 60-K**
- AWBC 0200 60-G-P16**
- AWBC 0200 60-G-P16-K**
- AWBC 0200 60-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring
- ⑮ Gas spring (G)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

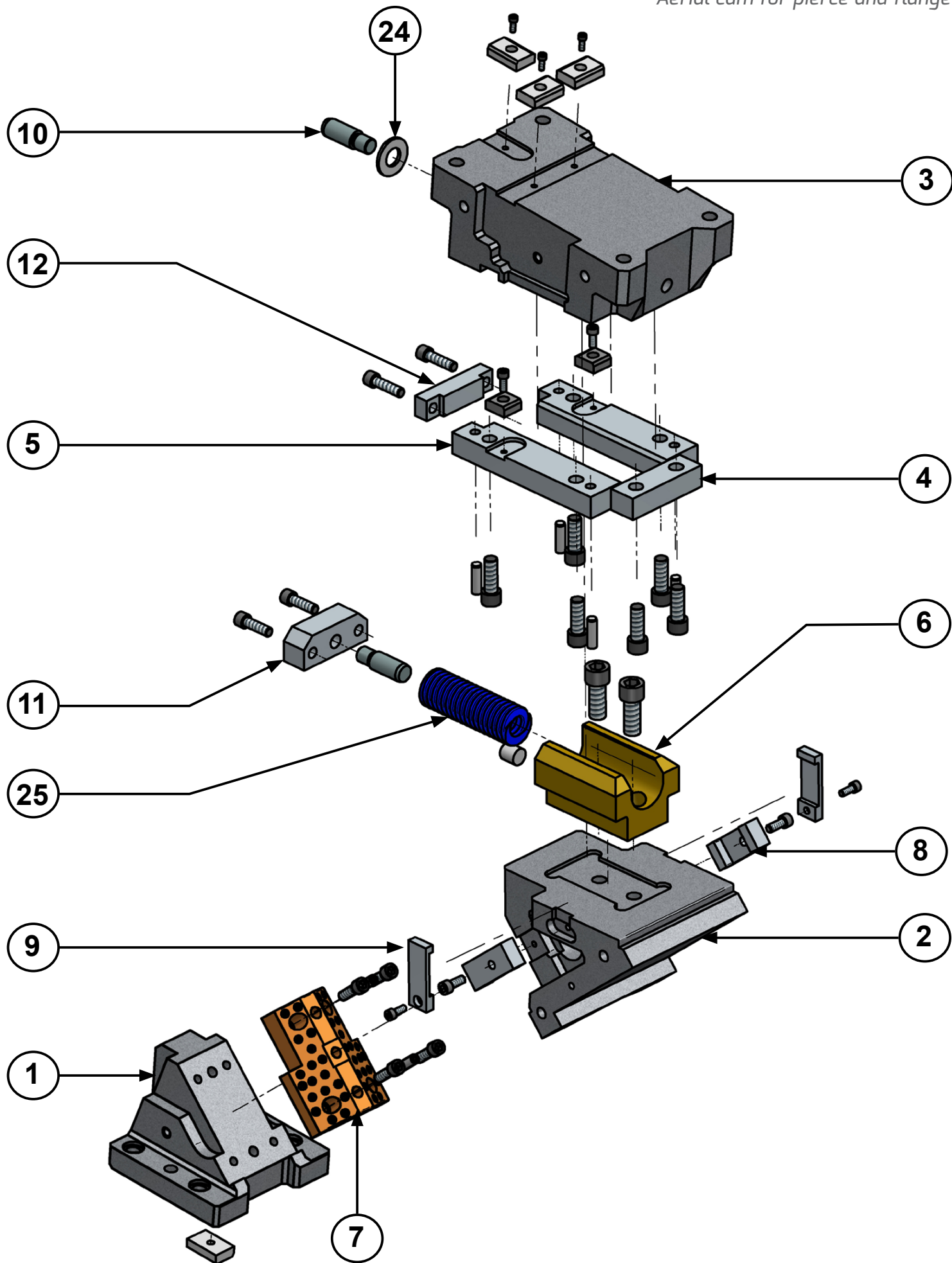


Aerial cam for pierce and flange



AWBC 0300

Aerial cam for pierce and flange

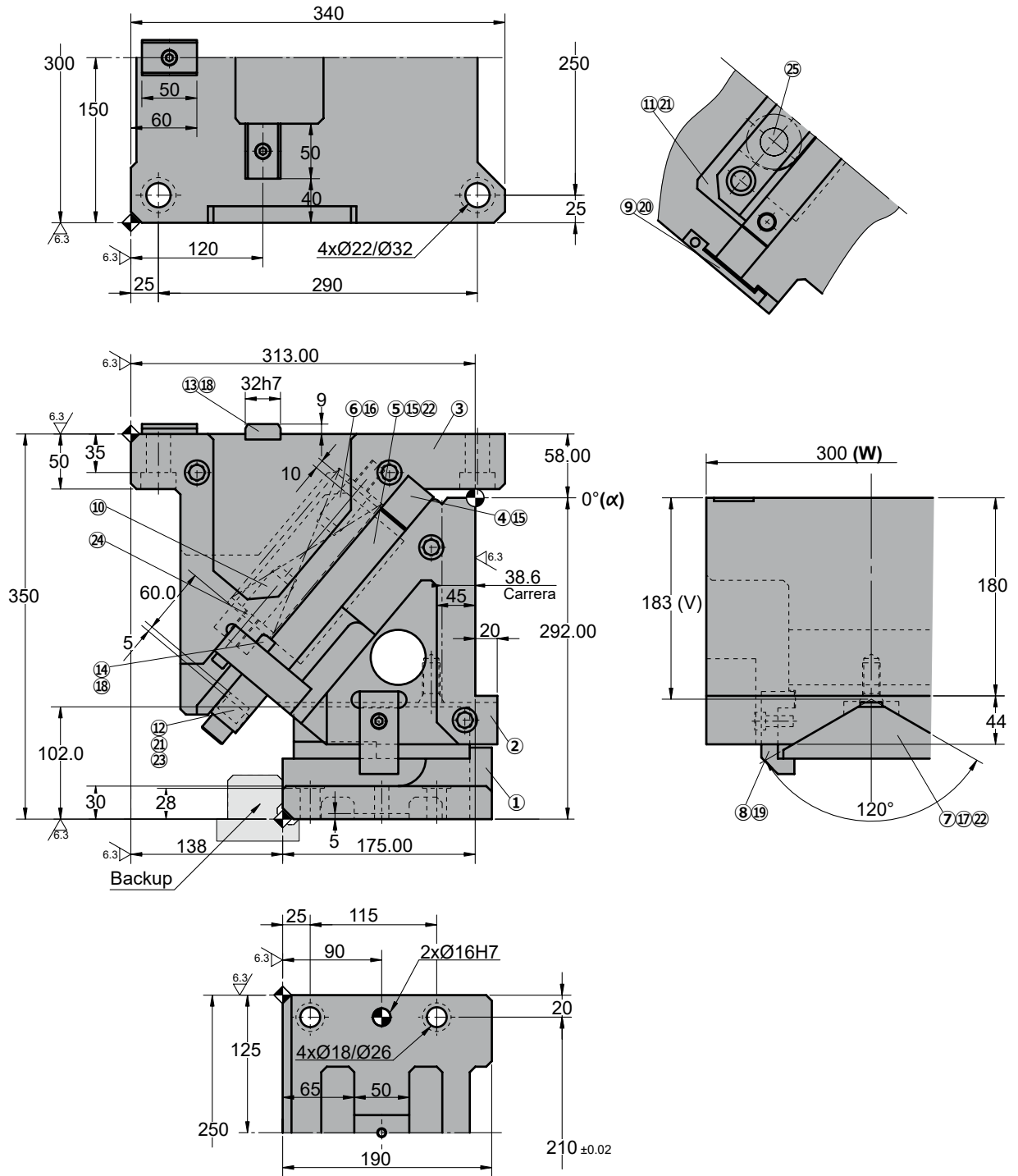


AWBC 0300

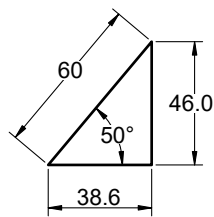
Aerial cam for pierce and flange



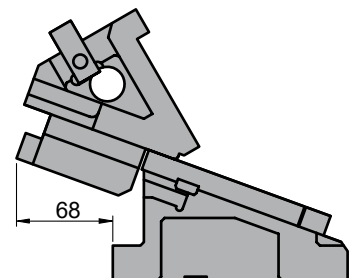
AWBC 0300 00



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	137.2	AWBC	0300	00
			---	13459.4 (1372.5)				



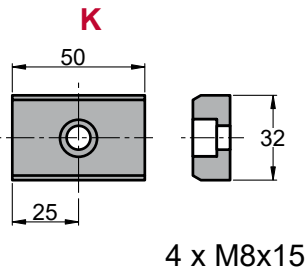
Order: Model (W) (α)
AWBC 0300 00

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

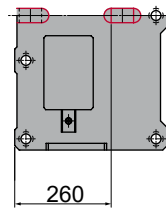
K - KF

KEY



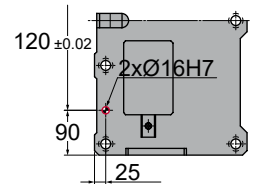
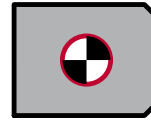
4 x M8x15

KF



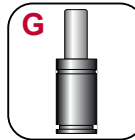
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 00-K
AWBC 0300 00-G-P16
AWBC 0300 00-G-P16-K
AWBC 0300 00-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑮ Coil Spring
- ⑳ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

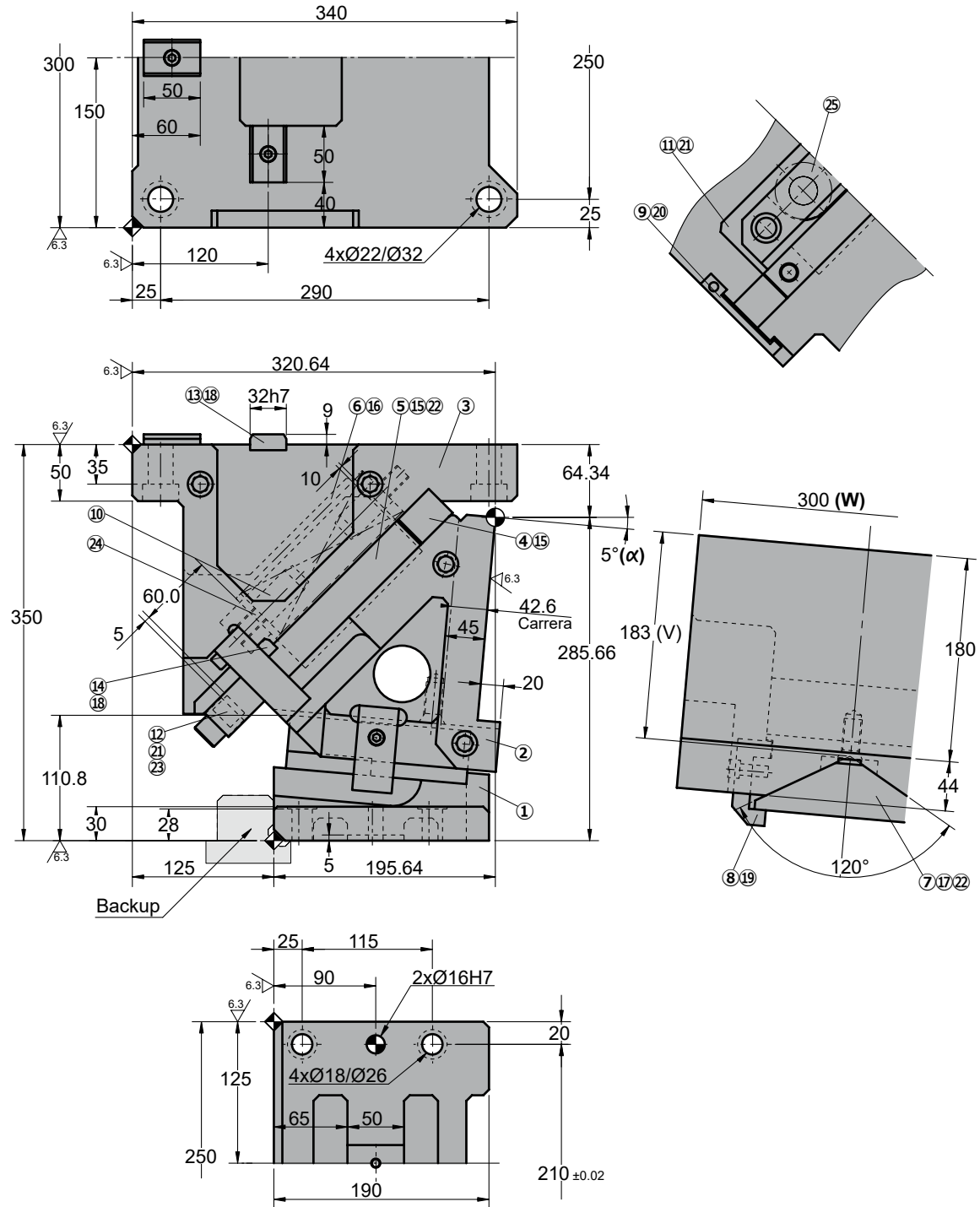
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

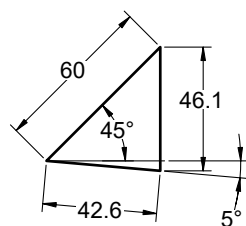
Aerial cam for pierce and flange



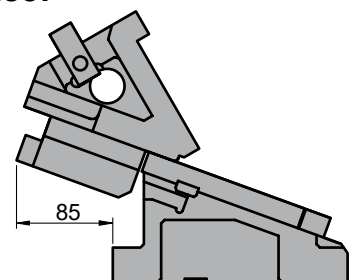
AWBC 0300 05



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	135.9	AWBC	0300	05
			---	13459.4 (1372.5)				



Order: Model (W) (α)
AWBC 0300 05

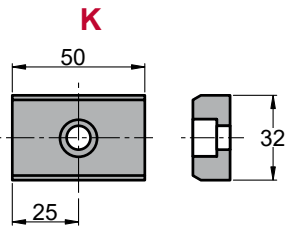
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

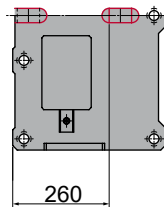
K - KF

KEY

KF

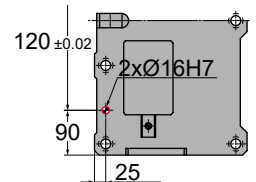
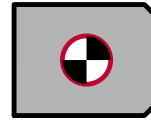


4 x M8x15



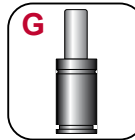
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 05-K

AWBC 0300 05-G-P16

AWBC 0300 05-G-P16-K

AWBC 0300 05-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

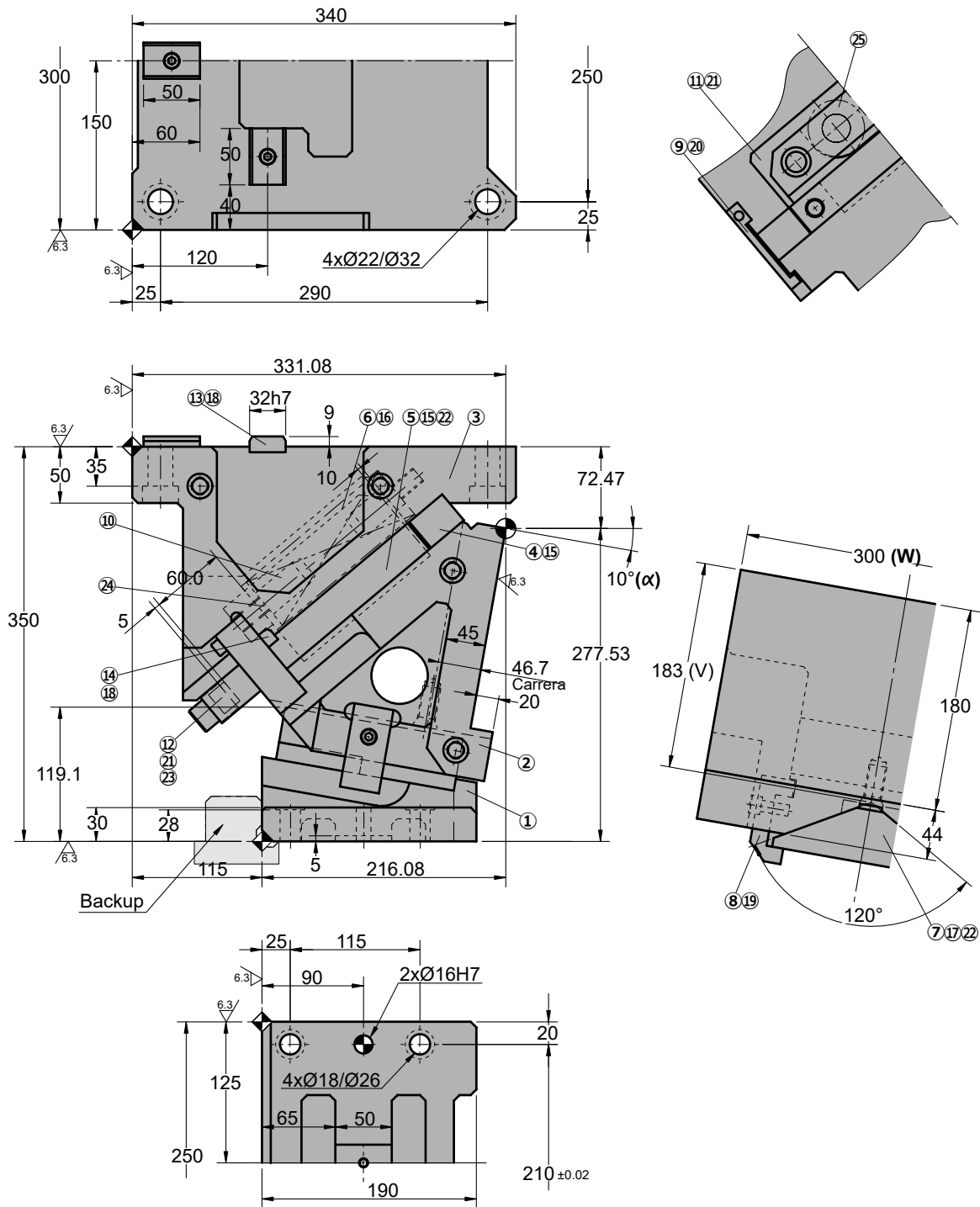
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

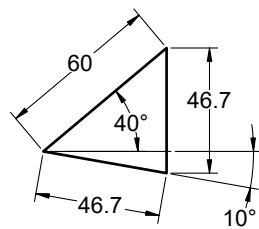
Aerial cam for pierce and flange



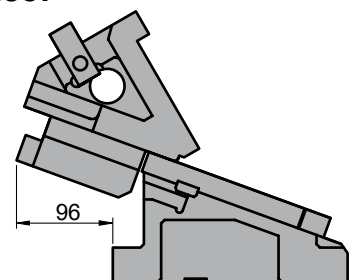
AWBC 0300 10



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	135.7	AWBC	0300	10
			---	13459.4 (1372.5)				



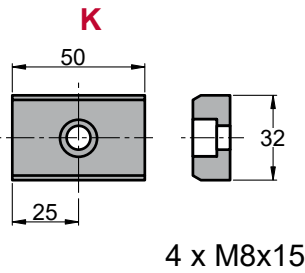
Order: Model (W) (α)
AWBC 0300 10

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

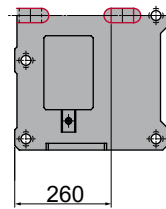
K - KF

KEY



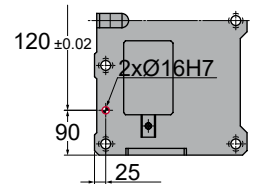
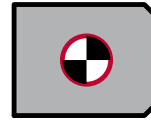
4 x M8x15

KF



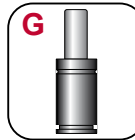
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 10-K
AWBC 0300 10-G-P16
AWBC 0300 10-G-P16-K
AWBC 0300 10-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

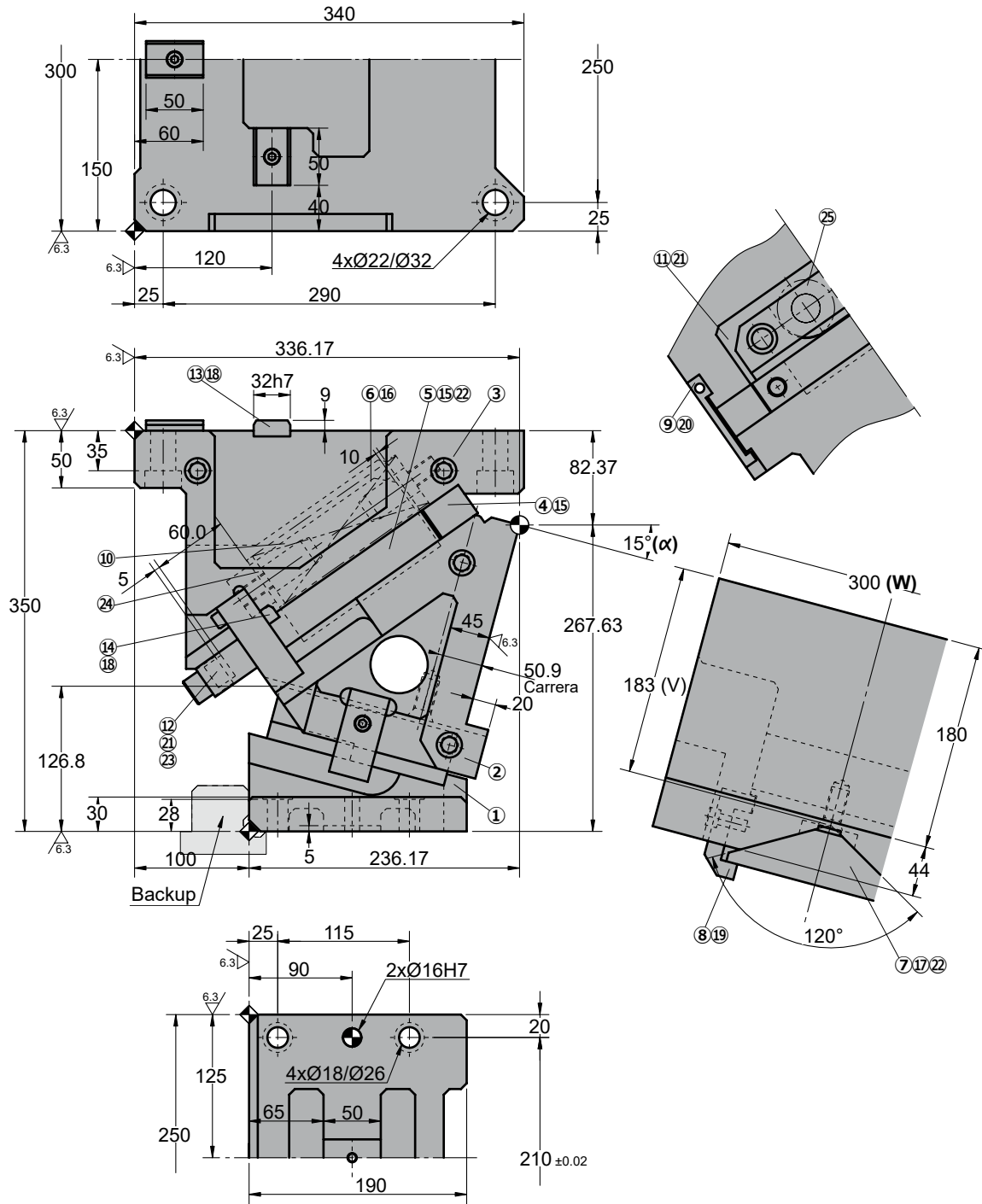
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

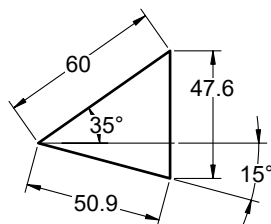
Aerial cam for pierce and flange



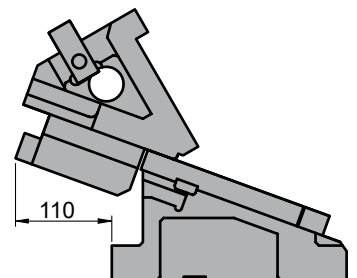
AWBC 0300 15



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.0	AWBC	0300	15
			---	13459.4 (1372.5)				



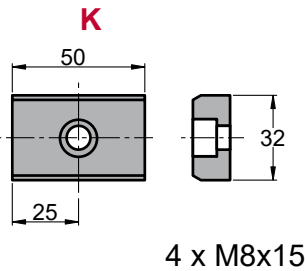
Order: Model (W) (α)
AWBC 0300 15

Standard order example according to catalog sheet.
 Add options applying options table contents.

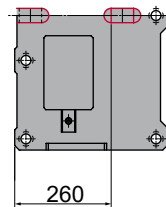
OPTIONS

K - KF

KEY

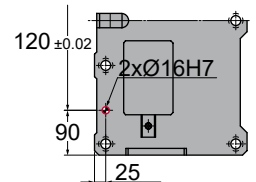
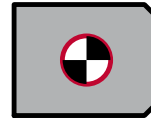


KF



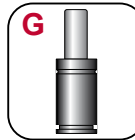
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 15-K**
- AWBC 0300 15-G-P16**
- AWBC 0300 15-G-P16-K**
- AWBC 0300 15-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

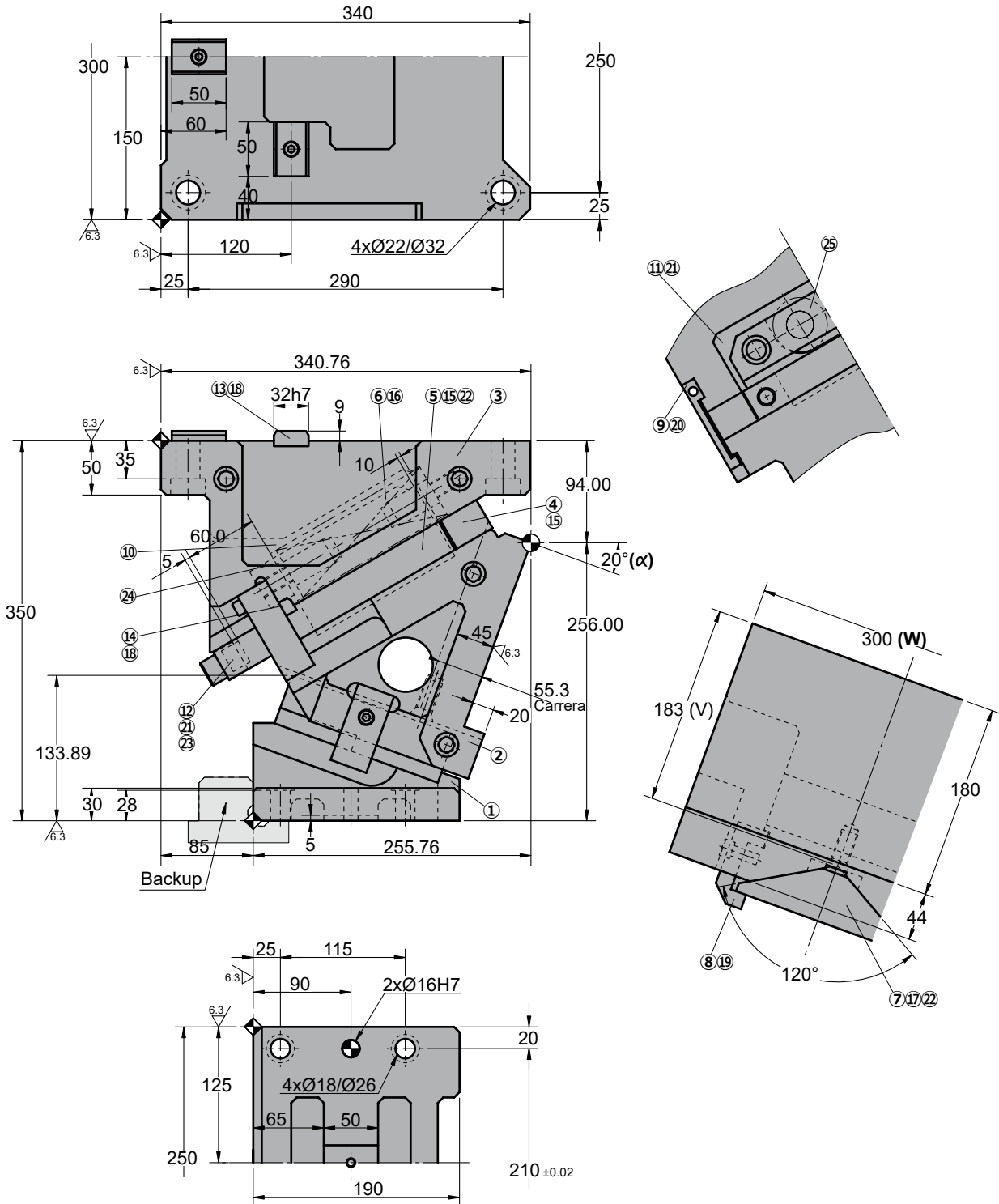
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

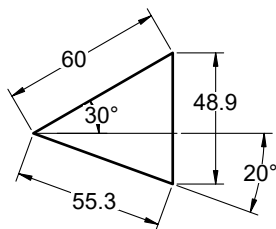
Aerial cam for pierce and flange



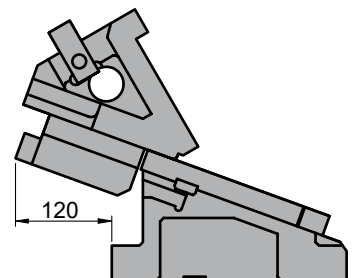
AWBC 0300 20



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.5	AWBC	0300	20
			---	13459.4 (1372.5)				



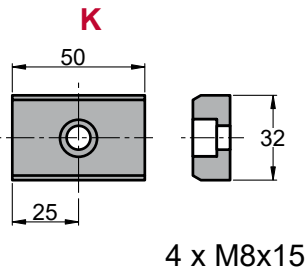
Order: Model (W) (α)
AWBC 0300 20

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

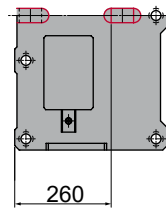
K - KF

KEY



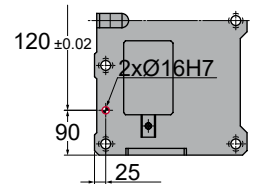
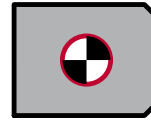
4 x M8x15

KF



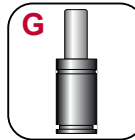
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 20-K

AWBC 0300 20-G-P16

AWBC 0300 20-G-P16-K

AWBC 0300 20-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

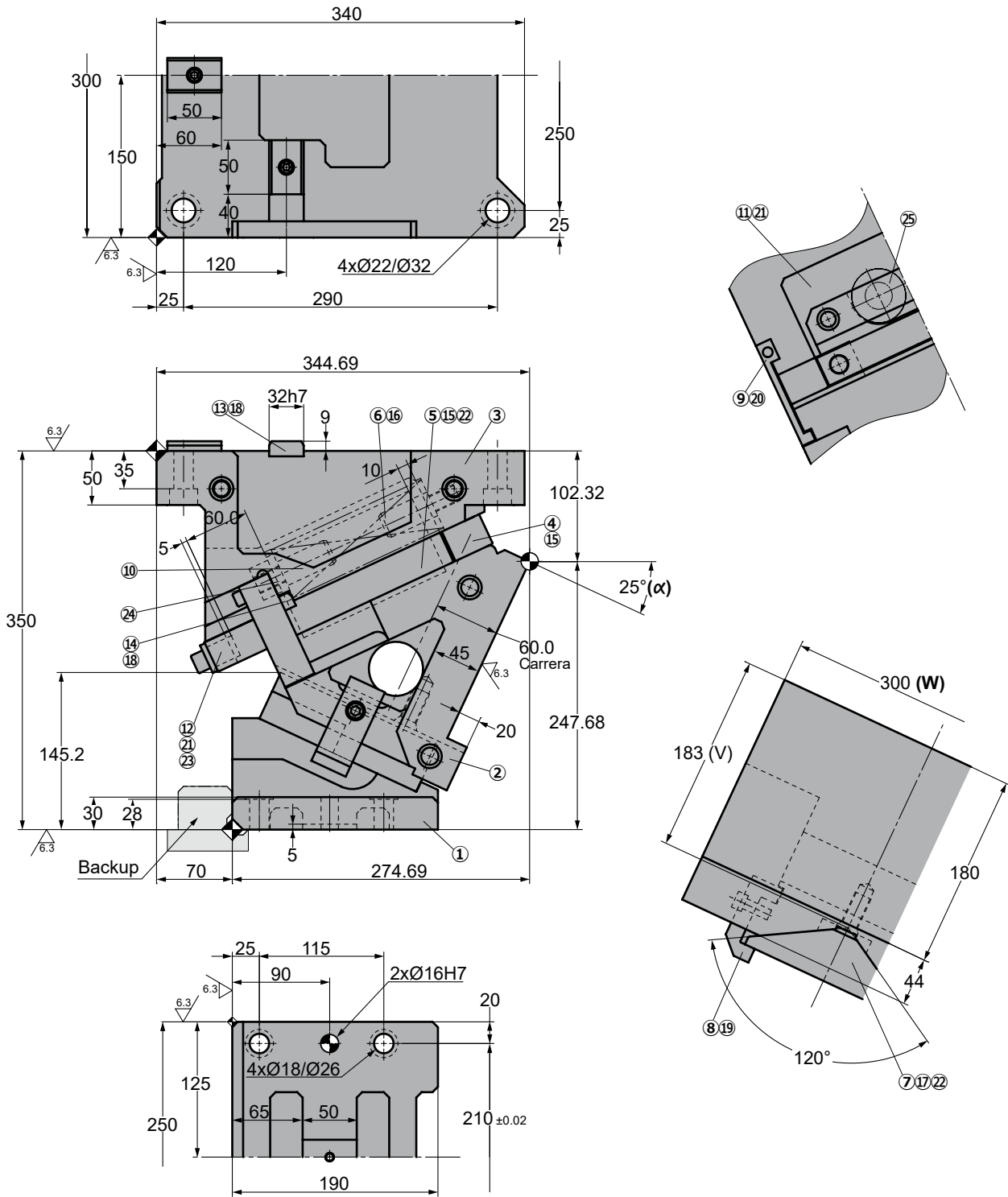
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

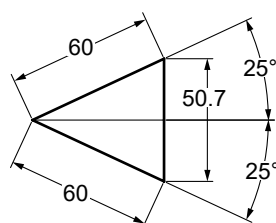
Aerial cam for pierce and flange



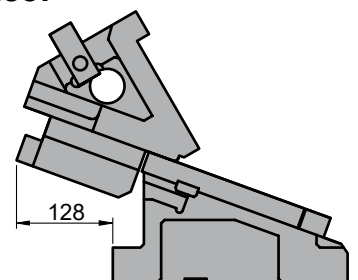
AWBC 0300 25



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.0	AWBC	0300	25
			---	13459.4 (1372.5)				



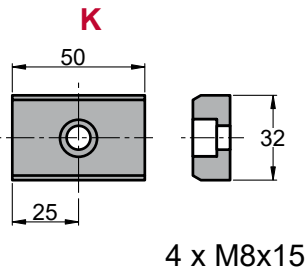
Order: Model (W) (α)
AWBC 0300 25

Standard order example according to catalog sheet.
 Add options applying options table contents.

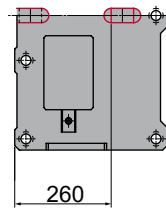
OPTIONS

K - KF

KEY

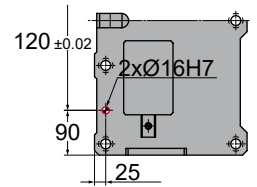
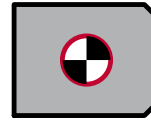


KF



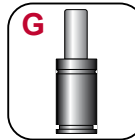
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 25-K**
- AWBC 0300 25-G-P16**
- AWBC 0300 25-G-P16-K**
- AWBC 0300 25-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

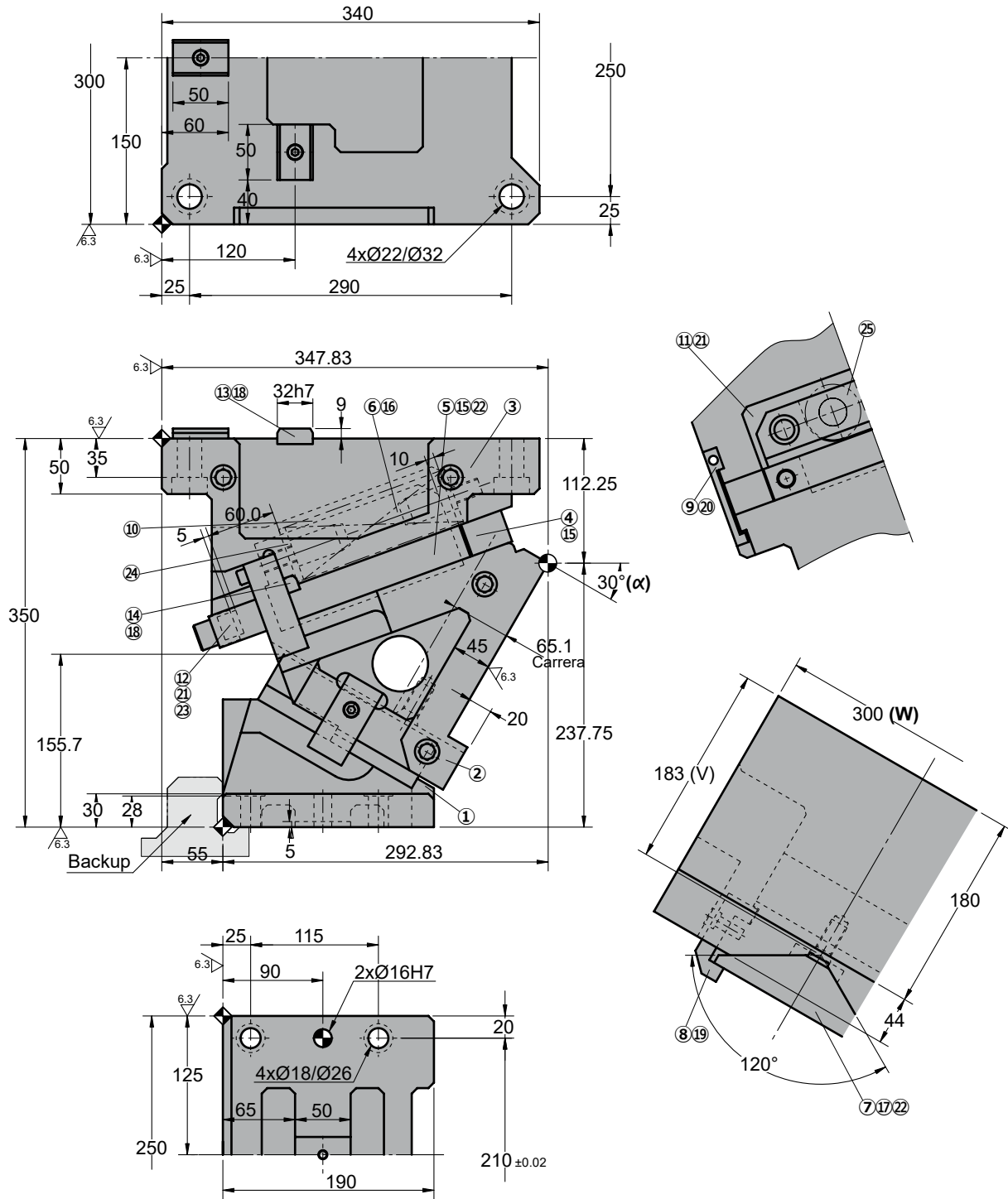
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

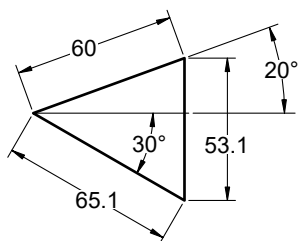
Aerial cam for pierce and flange



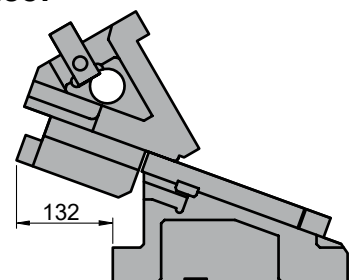
AWBC 0300 30



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.0	AWBC	0300	30
			---	13459.4 (1372.5)				



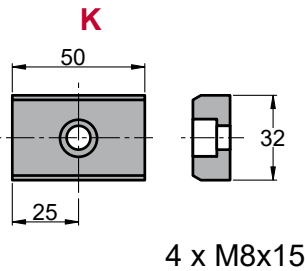
Order: Model (W) (α)
AWBC 0300 30

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

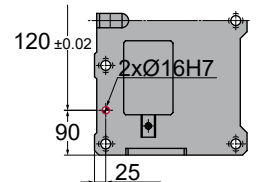
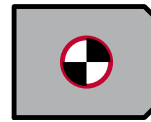
K - KF

KEY



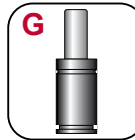
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 30-K**
- AWBC 0300 30-G-P16**
- AWBC 0300 30-G-P16-K**
- AWBC 0300 30-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑮ Coil Spring
- ⑳ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

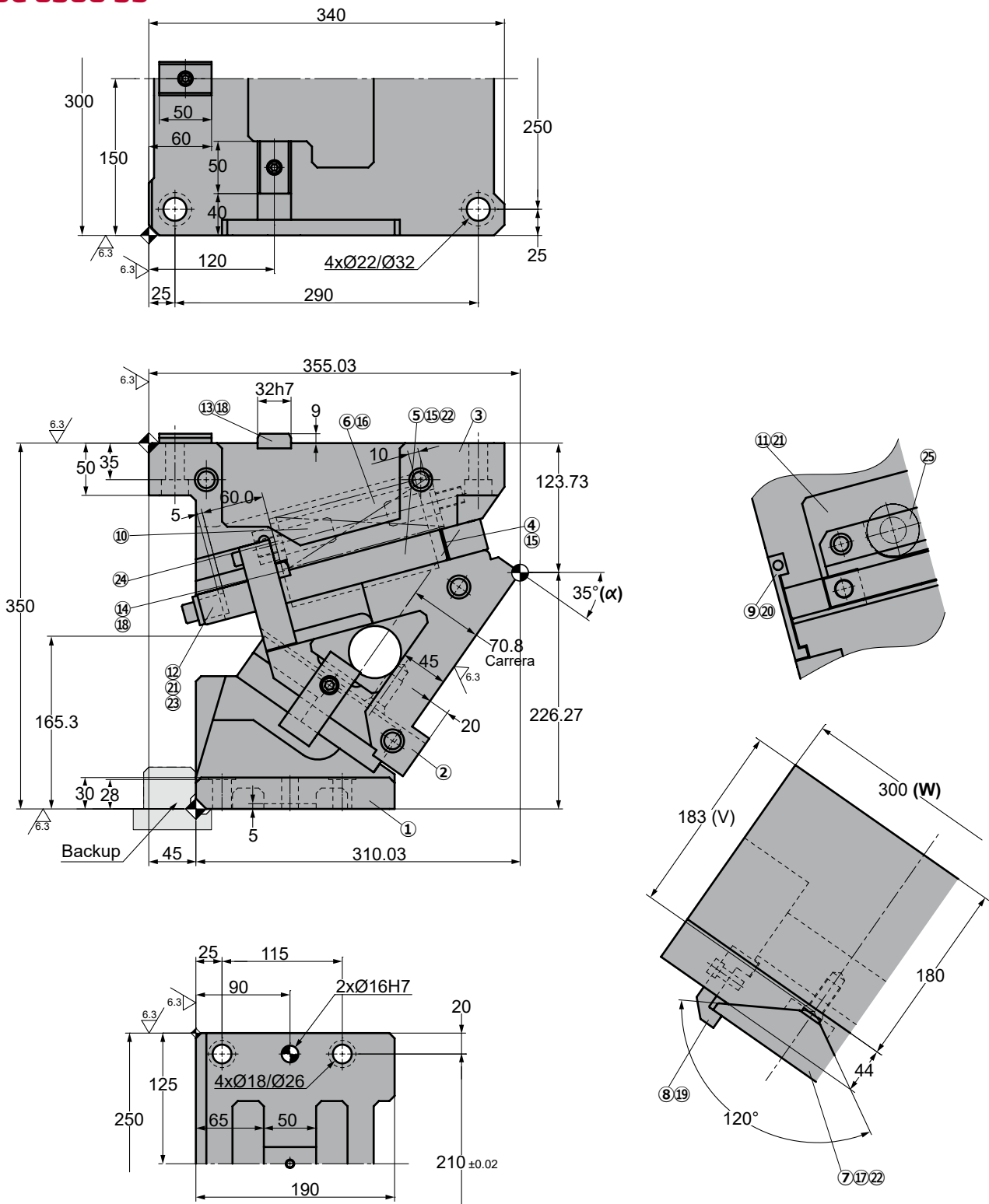
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

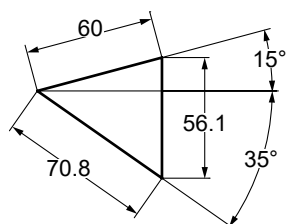
Aerial cam for pierce and flange



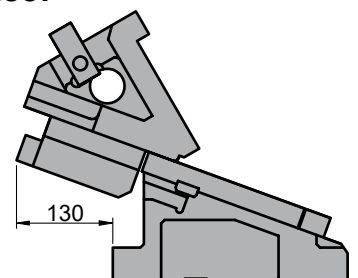
AWBC 0300 35



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.8	AWBC	0300	35
			---	13459.4 (1372.5)				



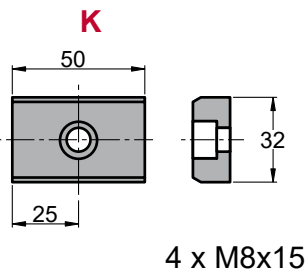
Order: Model (W) (α)
AWBC 0300 35

Standard order example according to catalog sheet.
 Add options applying options table contents.

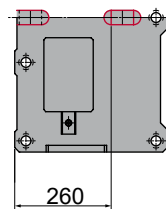
OPTIONS

K - KF

KEY

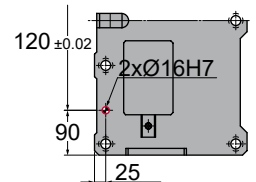
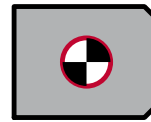


KF



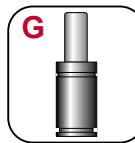
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 35-K**
- AWBC 0300 35-G-P16**
- AWBC 0300 35-G-P16-K**
- AWBC 0300 35-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

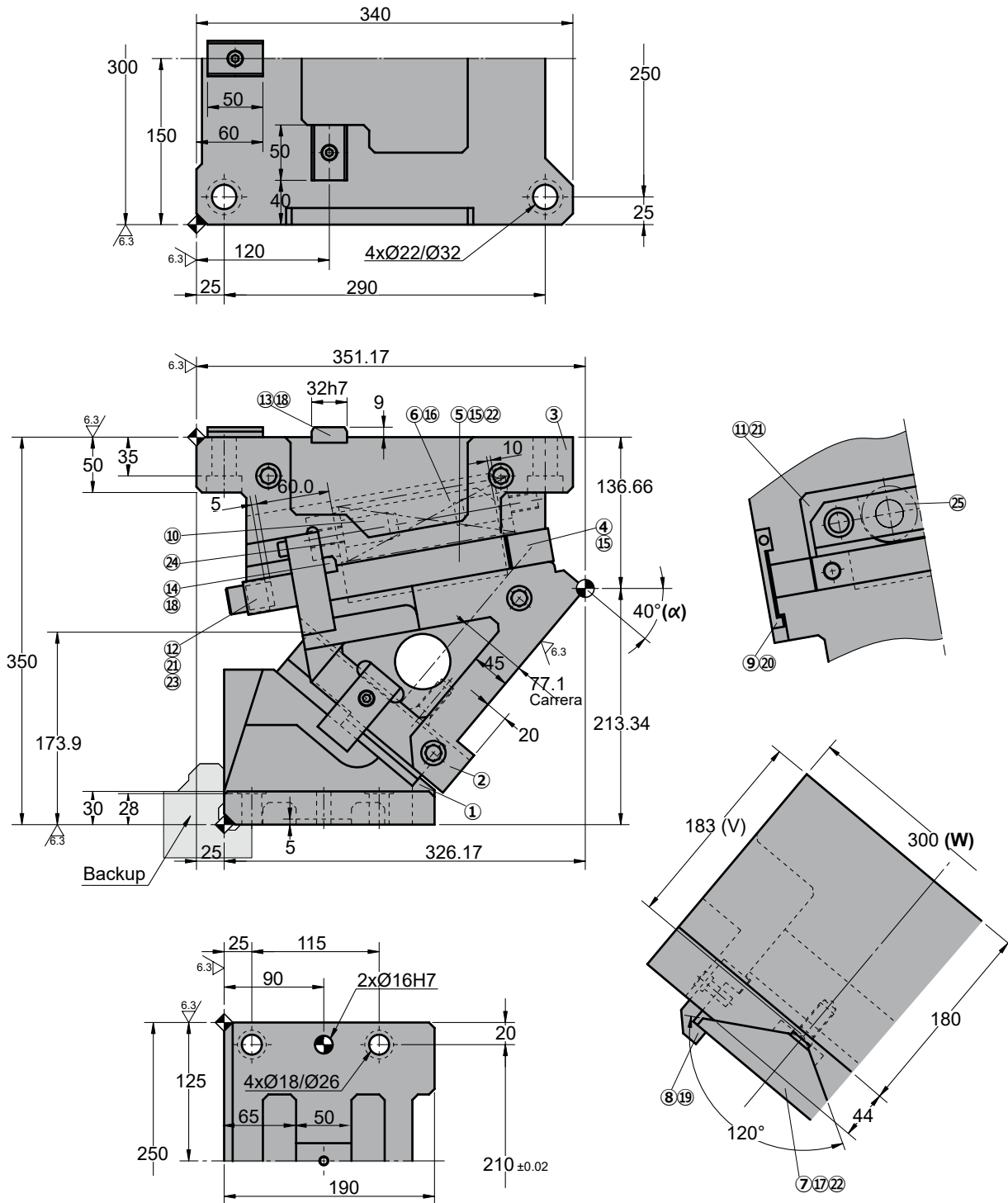
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

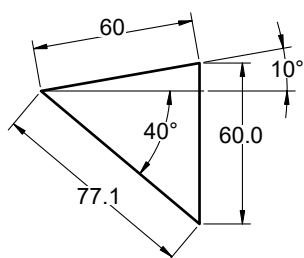
Aerial cam for pierce and flange



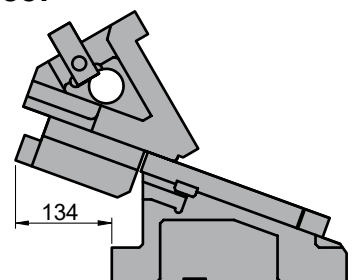
AWBC 0300 40



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.3	AWBC	0300	40
			---	13459.4 (1372.5)				



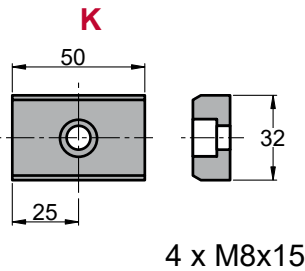
Order: Model (W) (α)
AWBC 0300 40

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

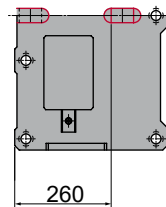
K - KF

KEY



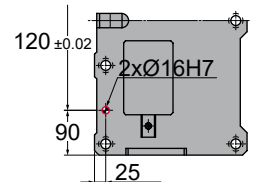
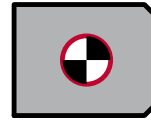
4 x M8x15

KF



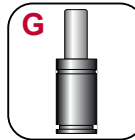
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 40-K
AWBC 0300 40-G-P16
AWBC 0300 40-G-P16-K
AWBC 0300 40-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

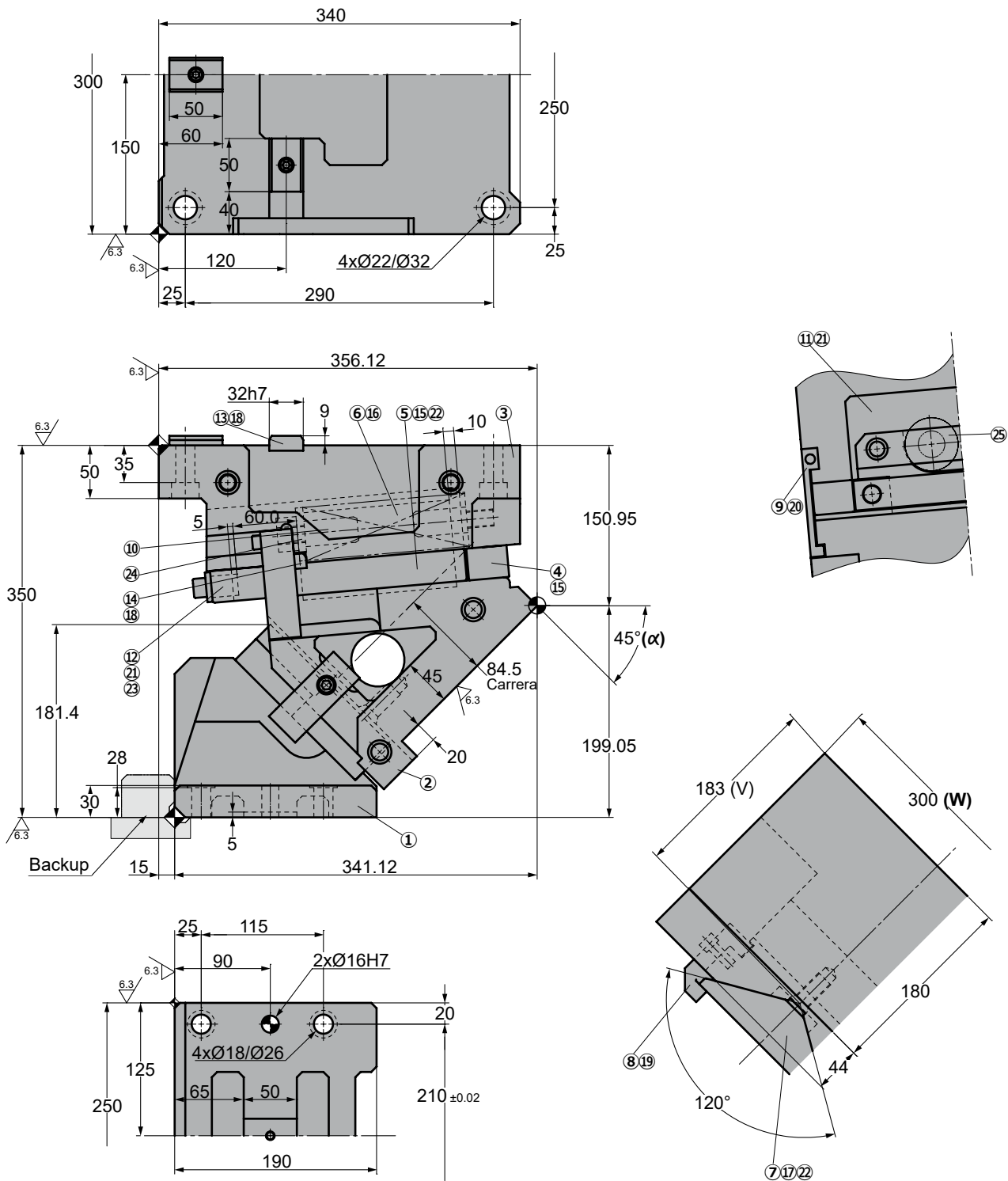
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

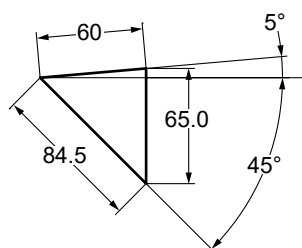
Aerial cam for pierce and flange



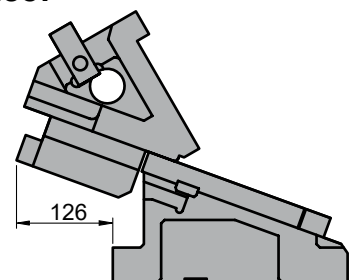
AWBC 0300 45



Cam diagram:



Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	134.8	AWBC	0300	45
			---	13459.4 (1372.5)				



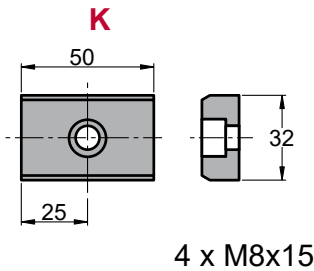
Order: Model (W) (α)
AWBC 0300 45

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

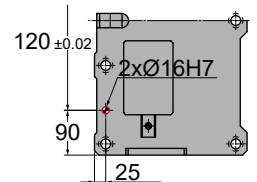
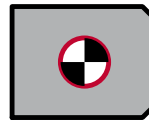
K - KF

KEY



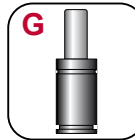
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 45-K**
- AWBC 0300 45-G-P16**
- AWBC 0300 45-G-P16-K**
- AWBC 0300 45-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring
- ⑮ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

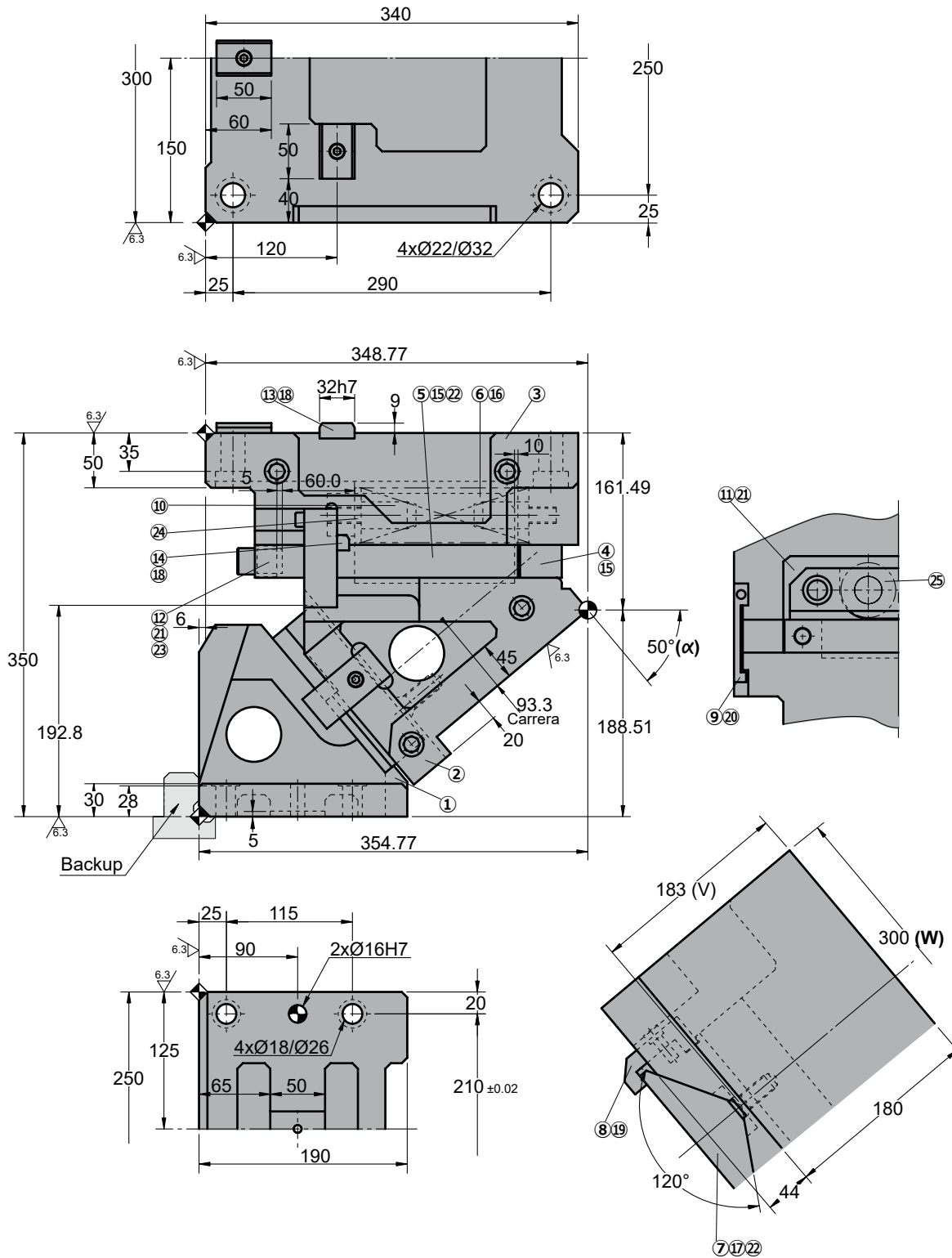
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

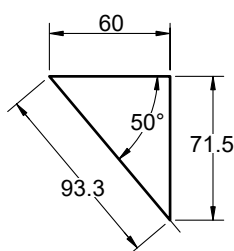
Aerial cam for pierce and flange



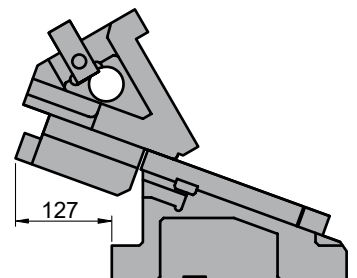
AWBC 0300 50



Cam diagram:



Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	130.9	AWBC	0300	50
			---	13459.4 (1372.5)				



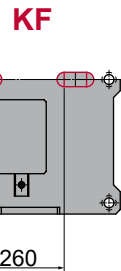
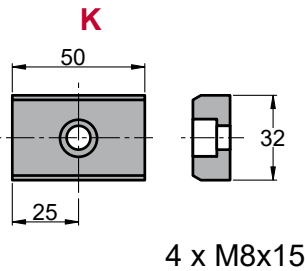
Order: Model (W) (α)
AWBC 0300 50

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

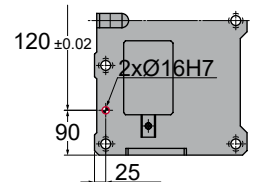
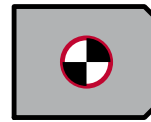
K - KF

KEY



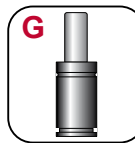
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 50-K**
- AWBC 0300 50-G-P16**
- AWBC 0300 50-G-P16-K**
- AWBC 0300 50-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑮ Coil Spring
- ⑳ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

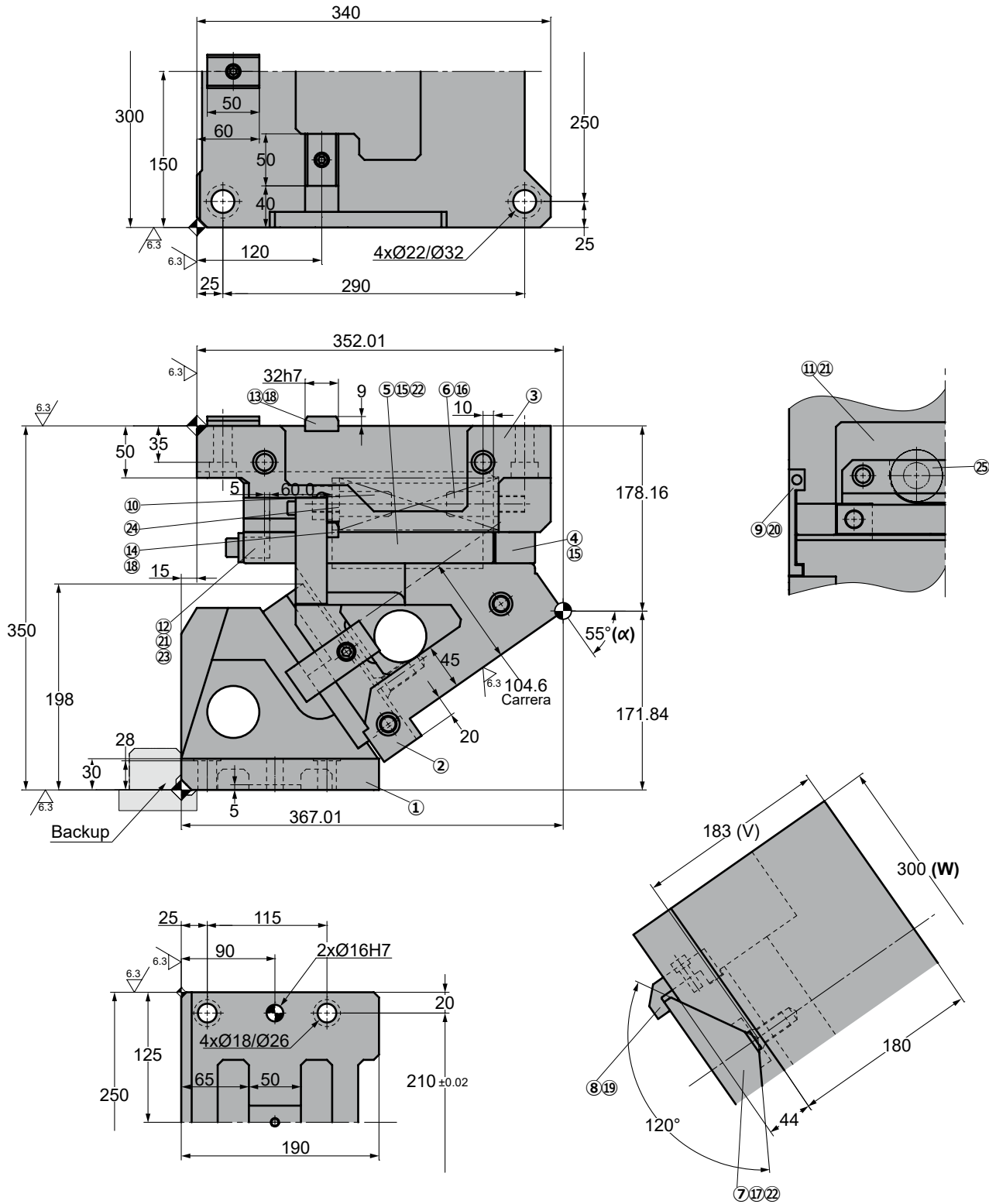
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

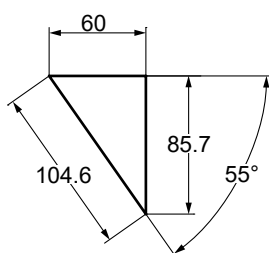
Aerial cam for pierce and flange



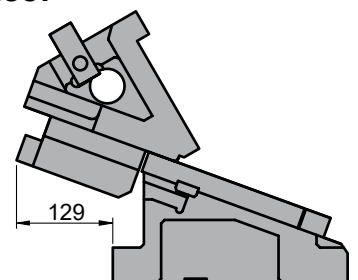
AWBC 0300 55



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.0	AWBC	0300	55
			---	13459.4 (1372.5)				



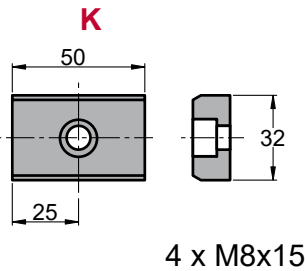
Order: Model (W) (α)
AWBC 0300 55

Standard order example according to catalog sheet.
 Add options applying options table contents.

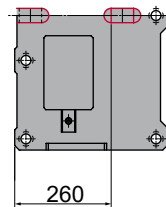
OPTIONS

K - KF

KEY

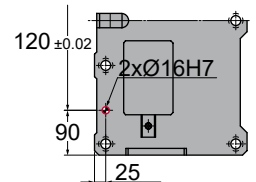
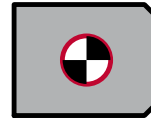


KF



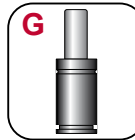
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 55-K**
- AWBC 0300 55-G-P16**
- AWBC 0300 55-G-P16-K**
- AWBC 0300 55-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑮ Coil Spring
- ⑳ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

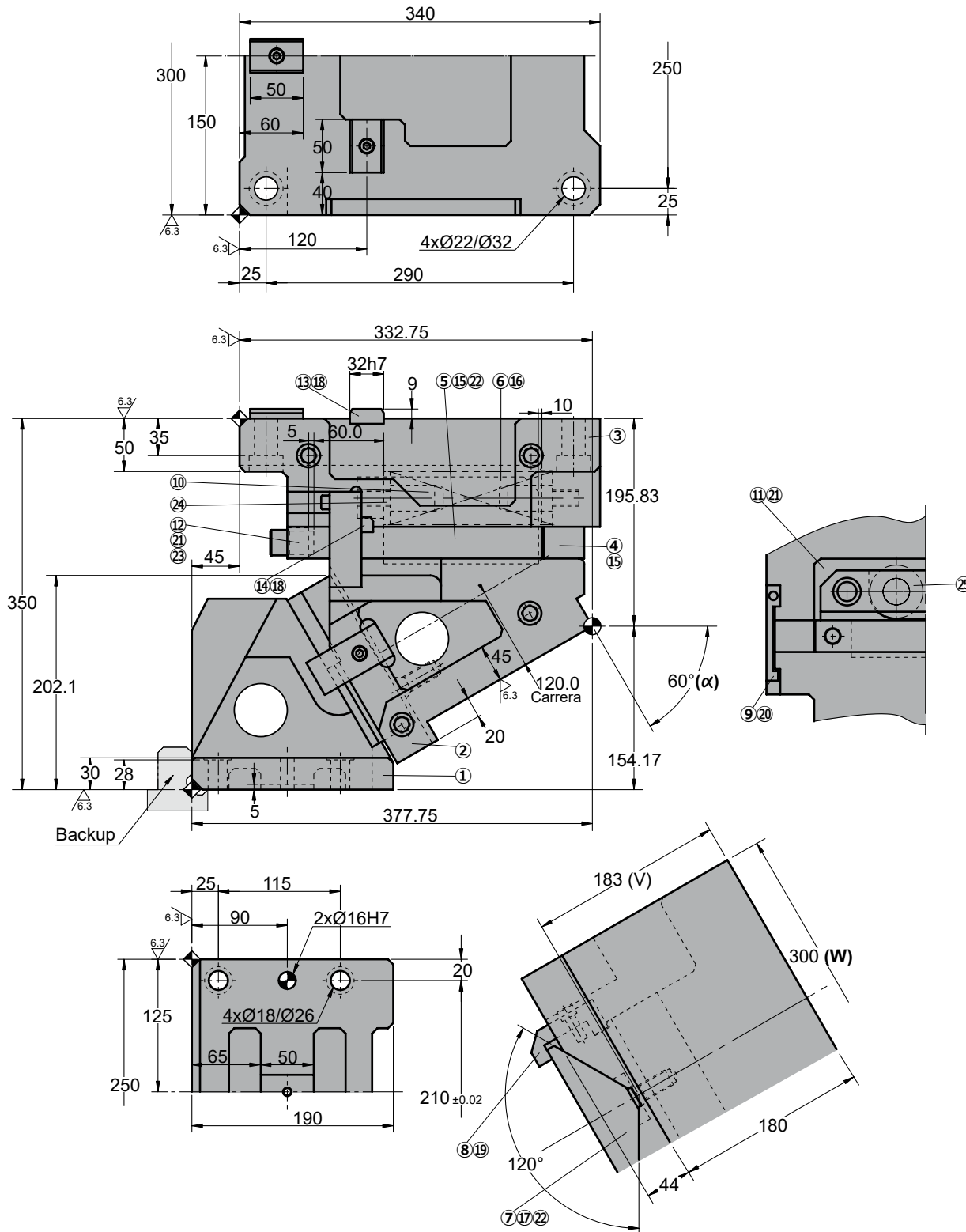
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

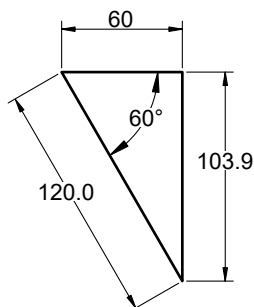
Aerial cam for pierce and flange



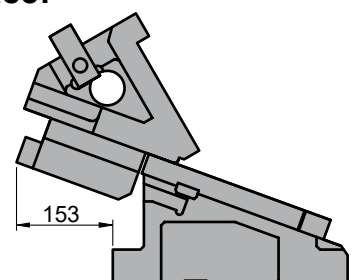
AWBC 0300 60



◦Cam diagram:



◦Disassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	136.1	AWBC	0300	60
			---	13459.4 (1372.5)				



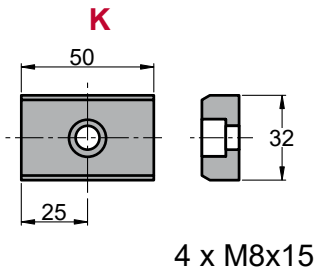
Order: Model (W) (α)
AWBC 0300 60

Standard order example according to catalog sheet.
 Add options applying options table contents.

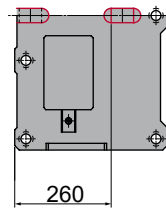
OPTIONS

K - KF

KEY

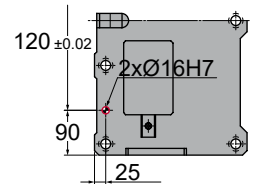
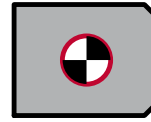


KF



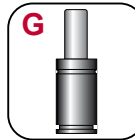
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 60-K**
- AWBC 0300 60-G-P16**
- AWBC 0300 60-G-P16-K**
- AWBC 0300 60-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑮ Coil Spring
- ⑳ Gas spring (**G**)

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300



Aerial cam for pierce and flange