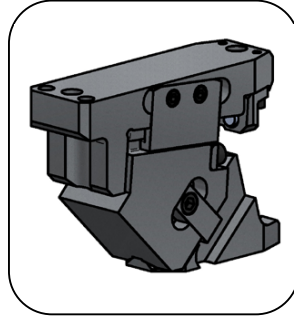
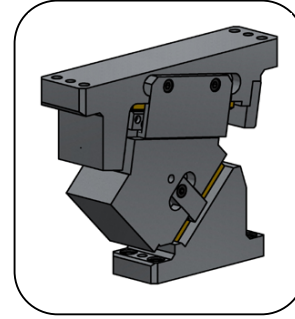


## General information



**ATFA 0052**

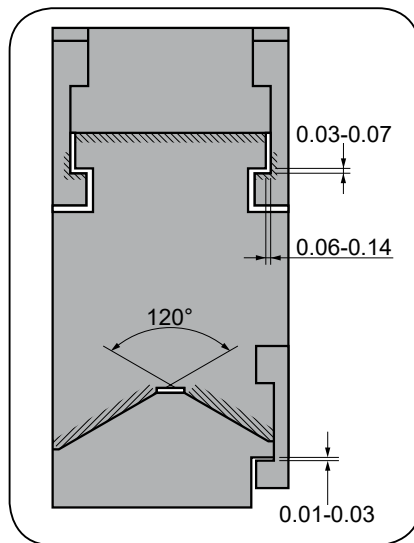


**ATFA 0065**

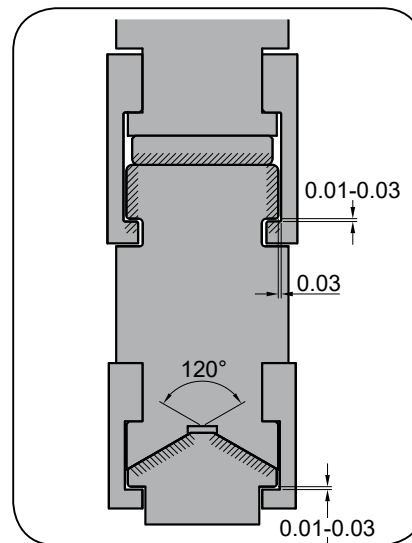
- Aerial cam.
- (ATFA 52) Angles from 0° to 80° and (ATFA 65) from 0° to 75° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Compact design.

## Adjustment clearances

**ATFA 0052**



**ATFA 0065**



**ATFA**

Aerial cam for pierce

**AZOL  
GAS** 

## Assembling and disassembling

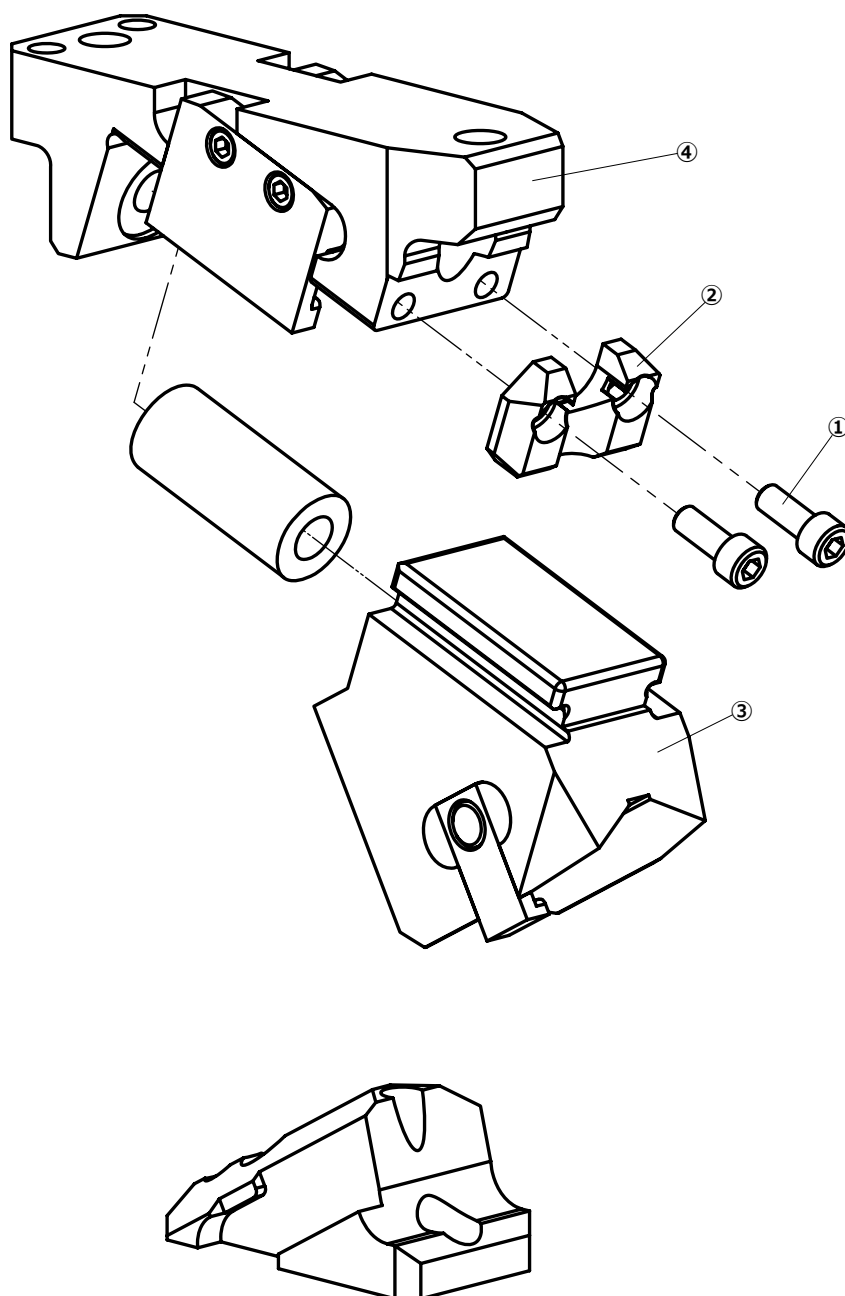
### ATFA 0052

#### Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

#### 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.



## Assembling and disassembling

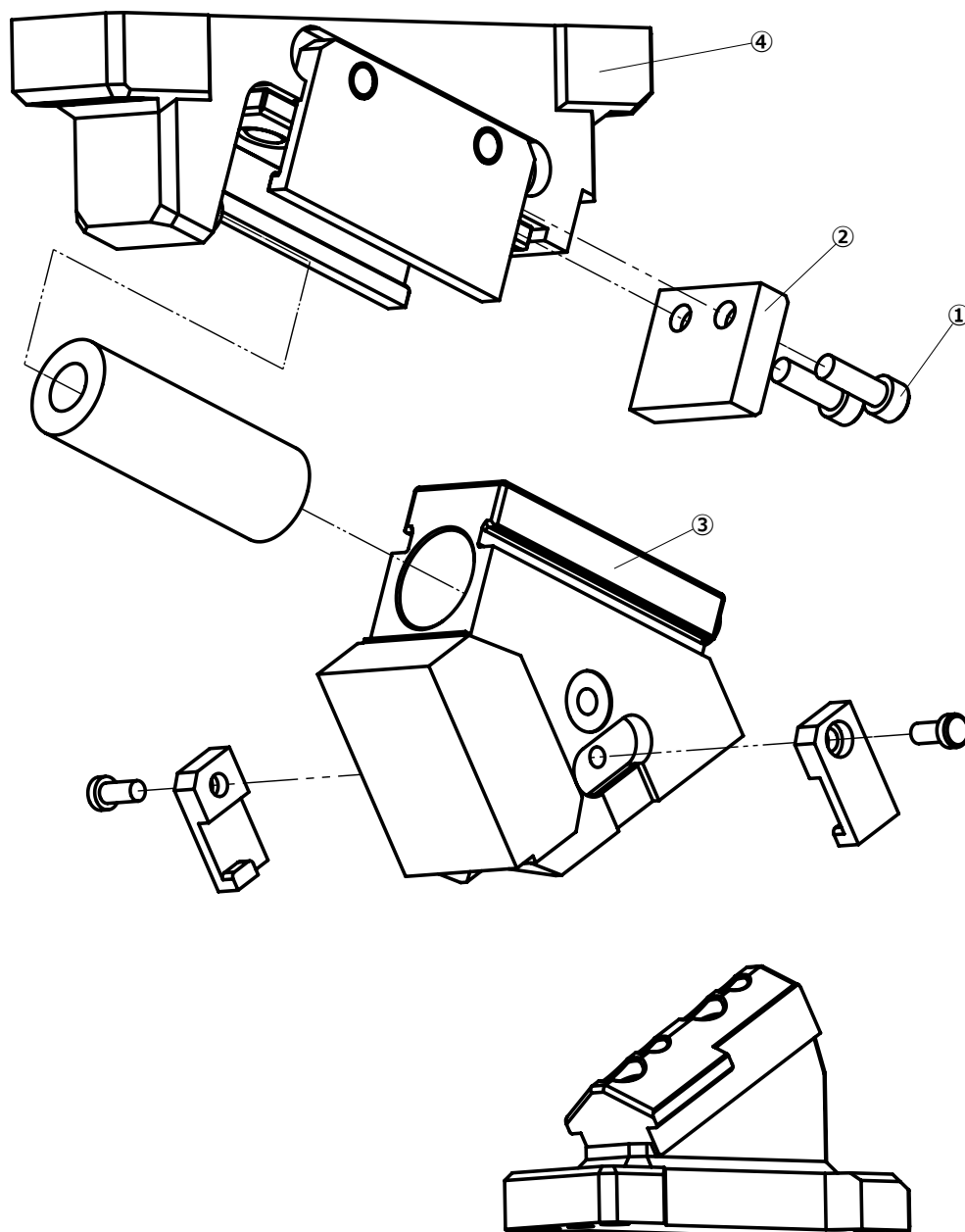
### ATFA 0065

#### Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

#### 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.



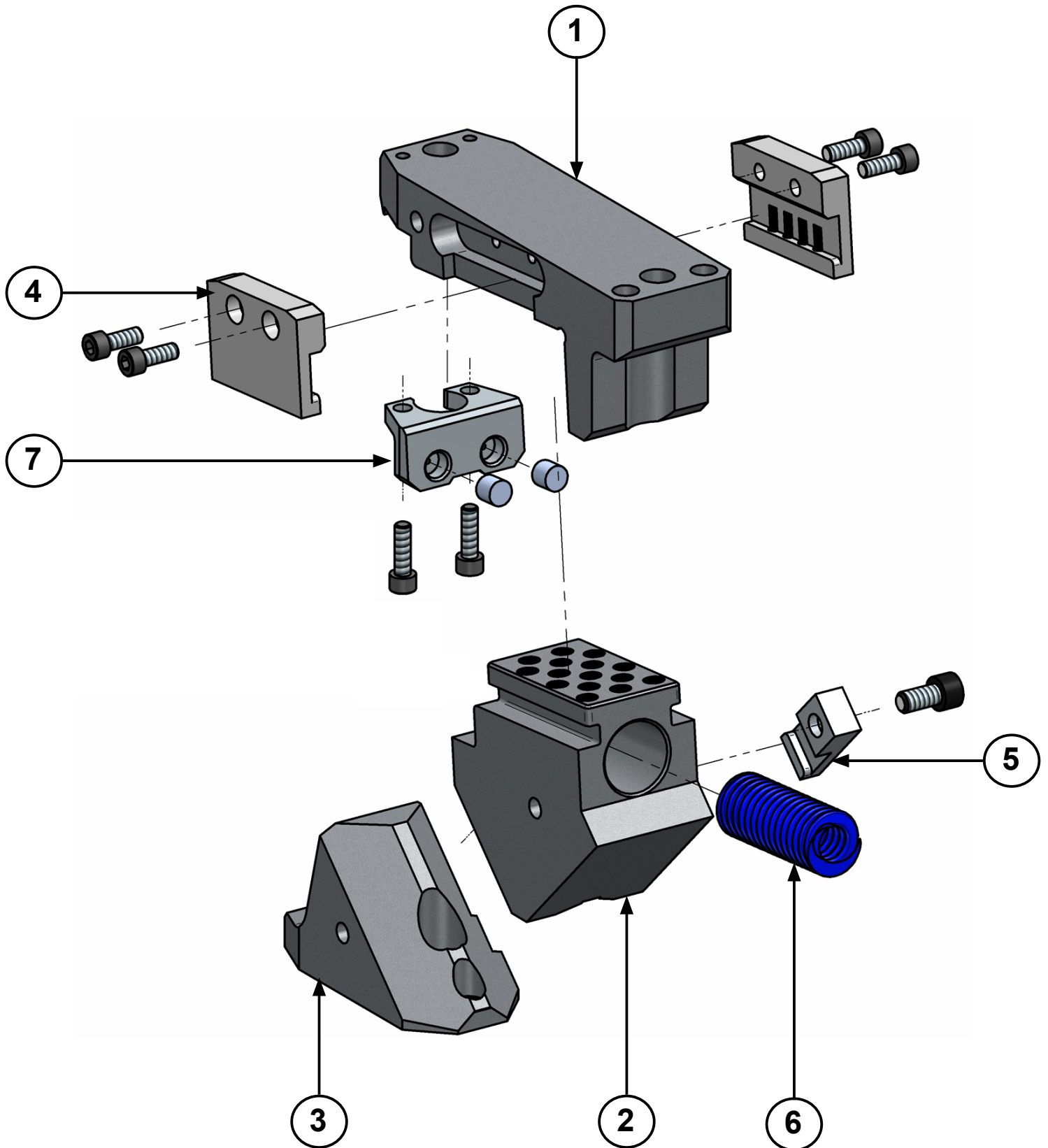
**ATFA**  
*Aerial cam for pierce*





# ATFA 0052

Aerial cam for pierce







# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
19.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.3	<b>ATFA</b>	<b>0052</b>	<b>00</b>



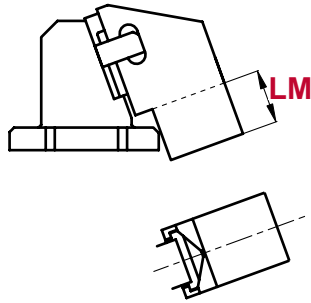
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 00**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 00-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

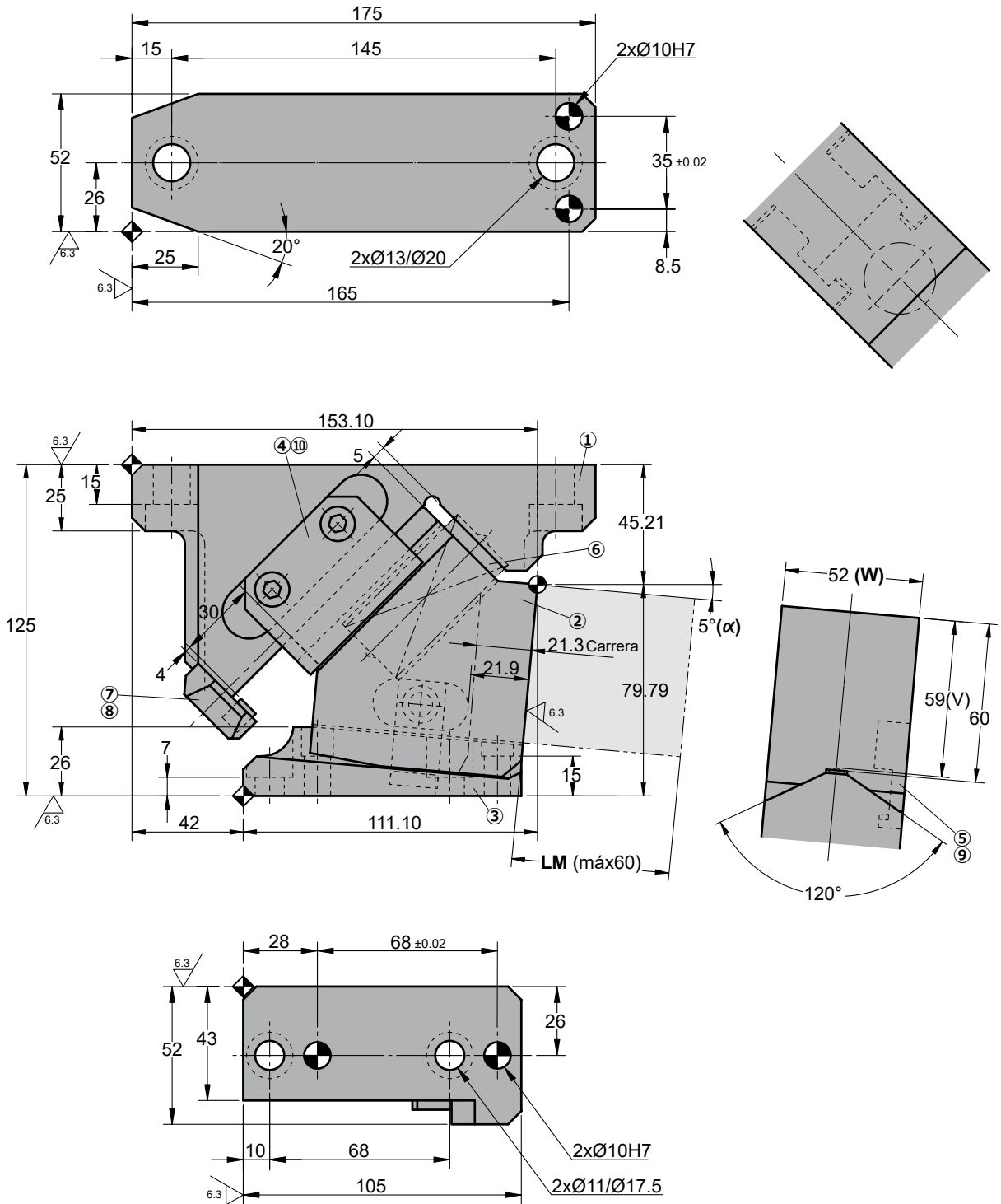
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

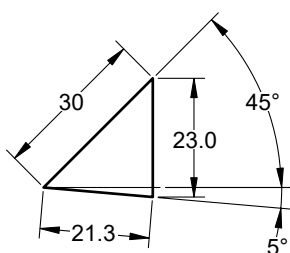
Aerial cam for pierce



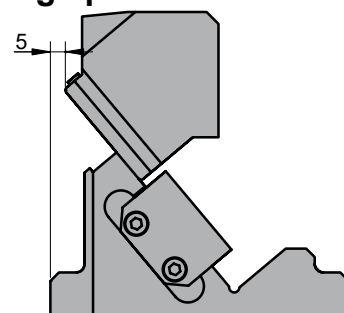
## ATFA 0052 05



### Cam diagram:



### Disassembling space:







# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
21.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.2	<b>ATFA</b>	<b>0052</b>	<b>05</b>



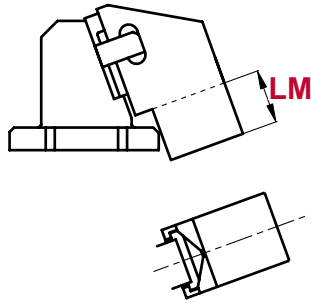
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 05**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 05-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

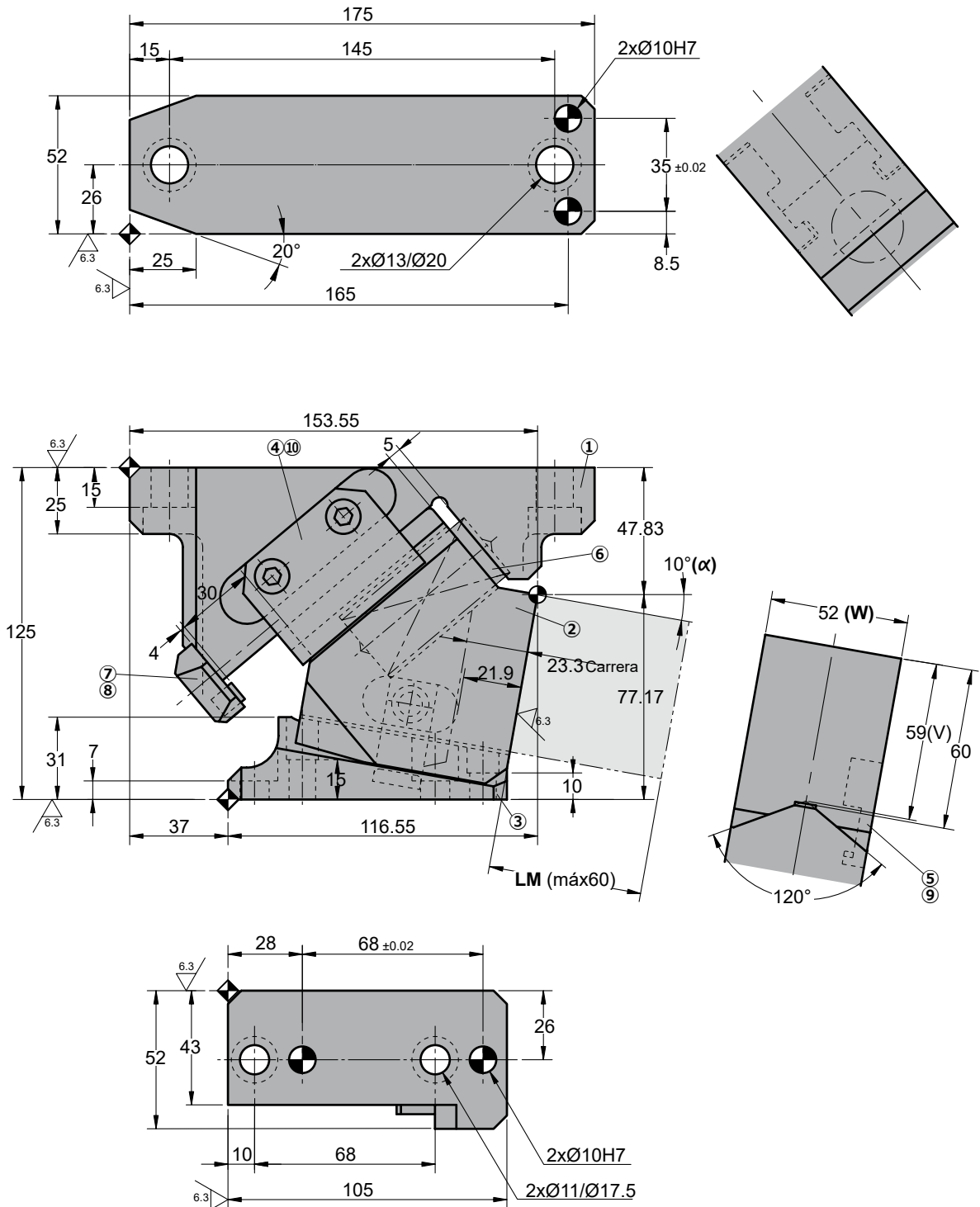
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

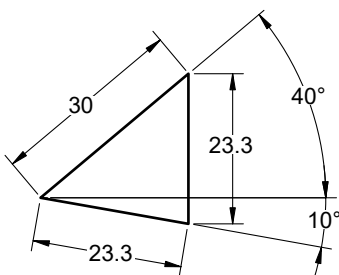
Aerial cam for pierce



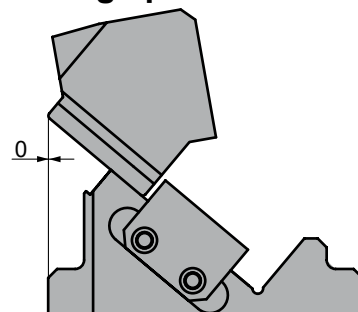
## ATFA 0052 10



◦Cam diagram:



◦Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
23.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.1	<b>ATFA</b>	<b>0052</b>	<b>10</b>



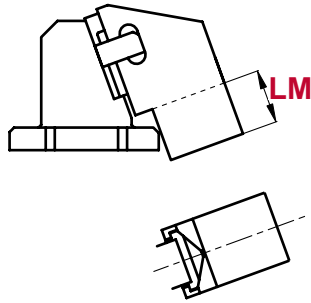
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 10**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 10-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

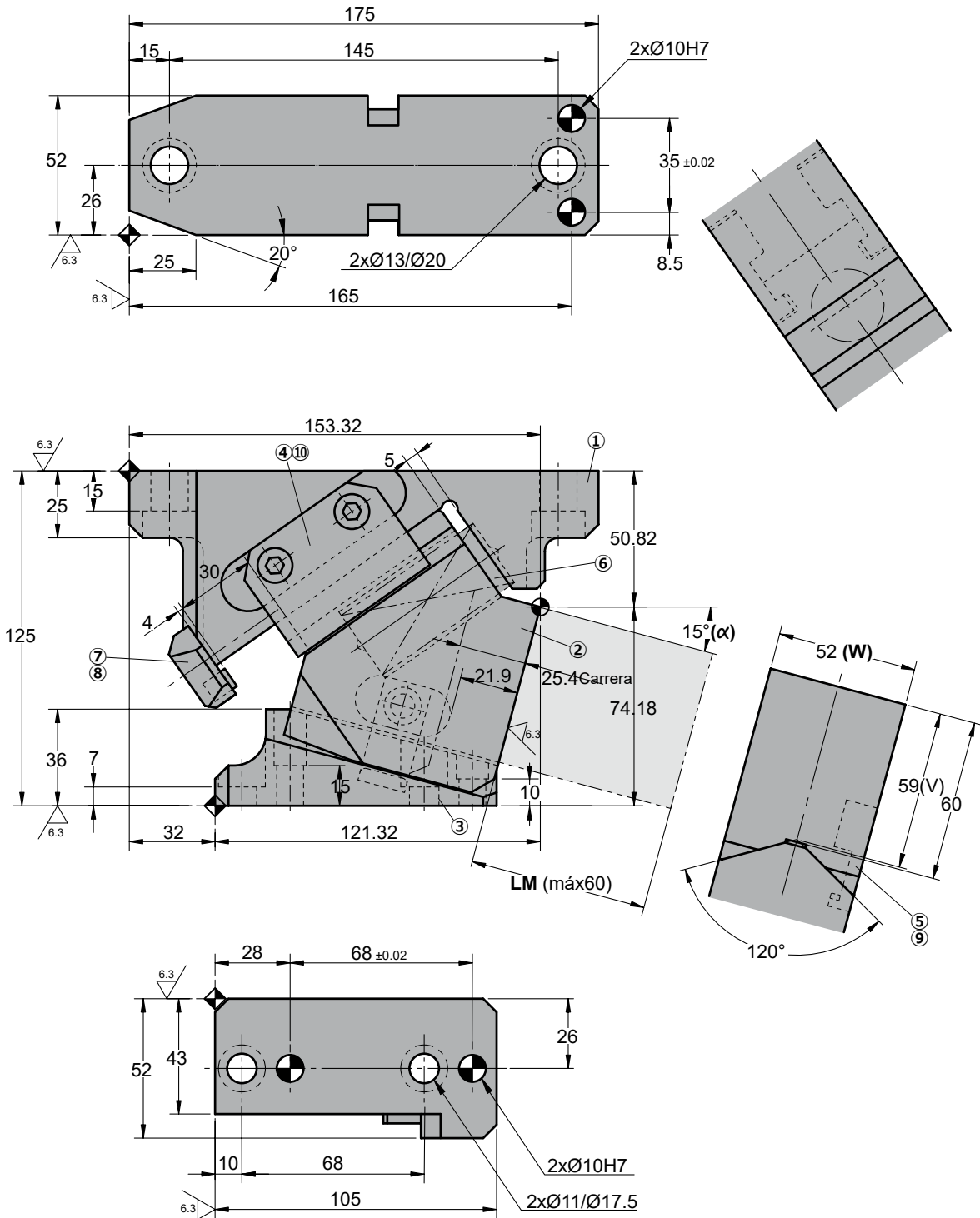
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

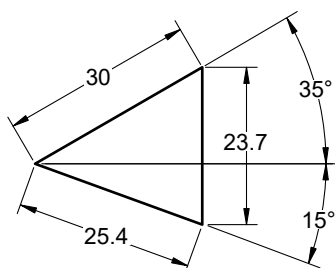
Aerial cam for pierce



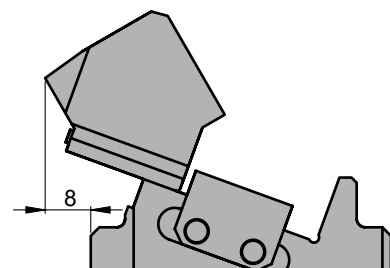
## ATFA 0052 15



### Cam diagram:



### Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
25.4	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>15</b>



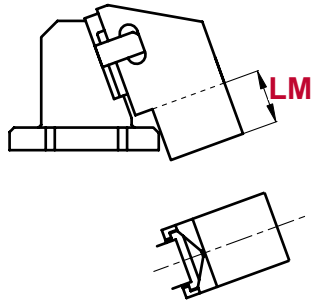
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 15**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 15-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

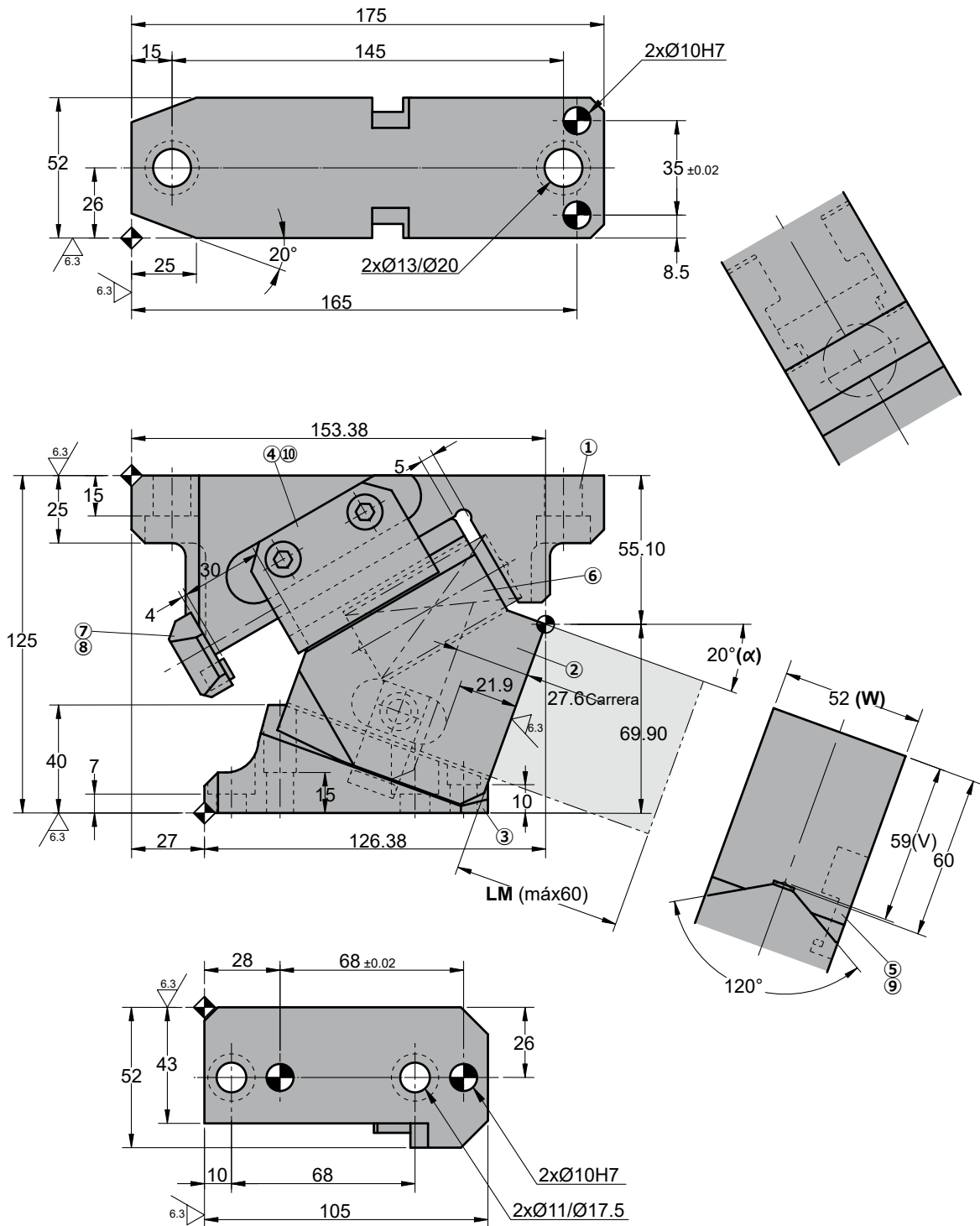
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

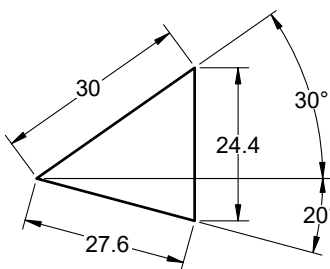
Aerial cam for pierce



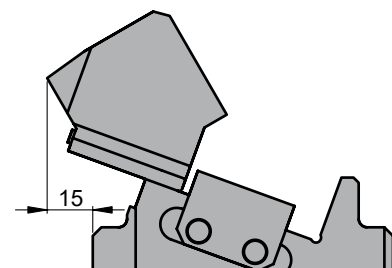
## ATFA 0052 20



◦Cam diagram:



◦Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
27.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>20</b>



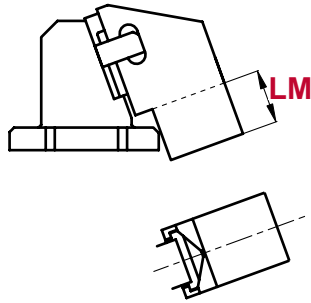
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 20**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 20-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

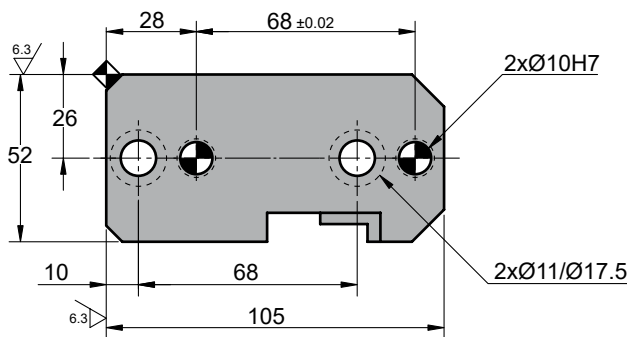
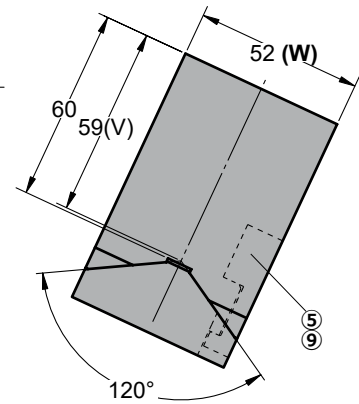
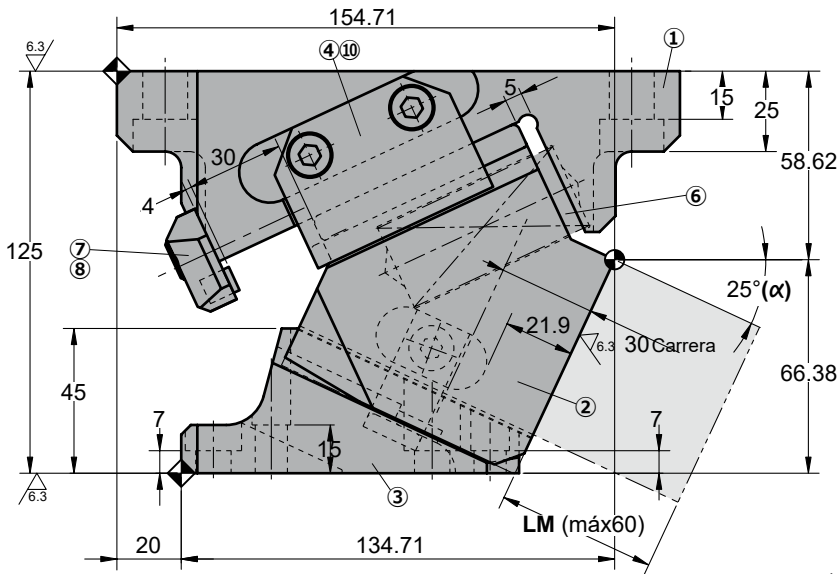
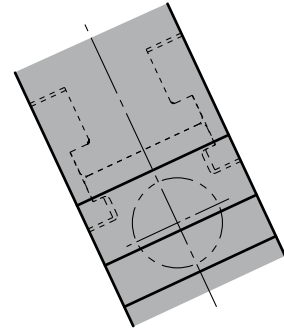
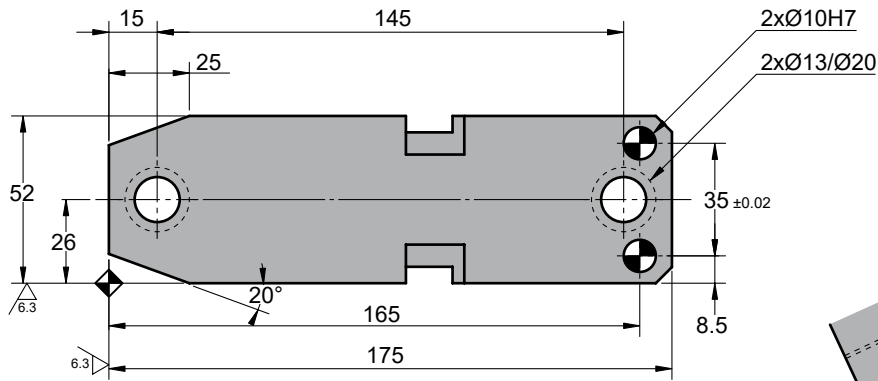
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

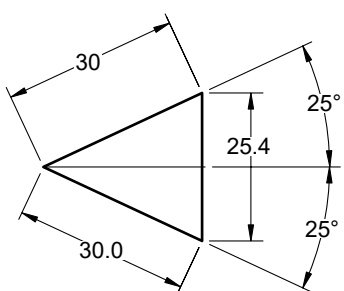
Aerial cam for pierce



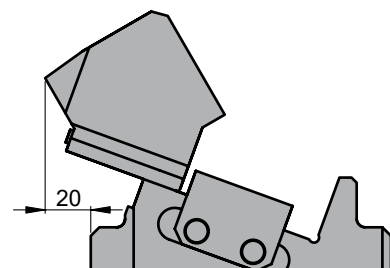
## ATFA 0052 25



◦Cam diagram:



◦Disassembling space:







# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
30.0	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>25</b>



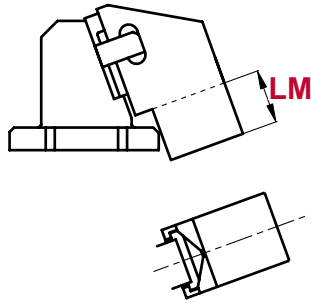
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 25**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 25-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

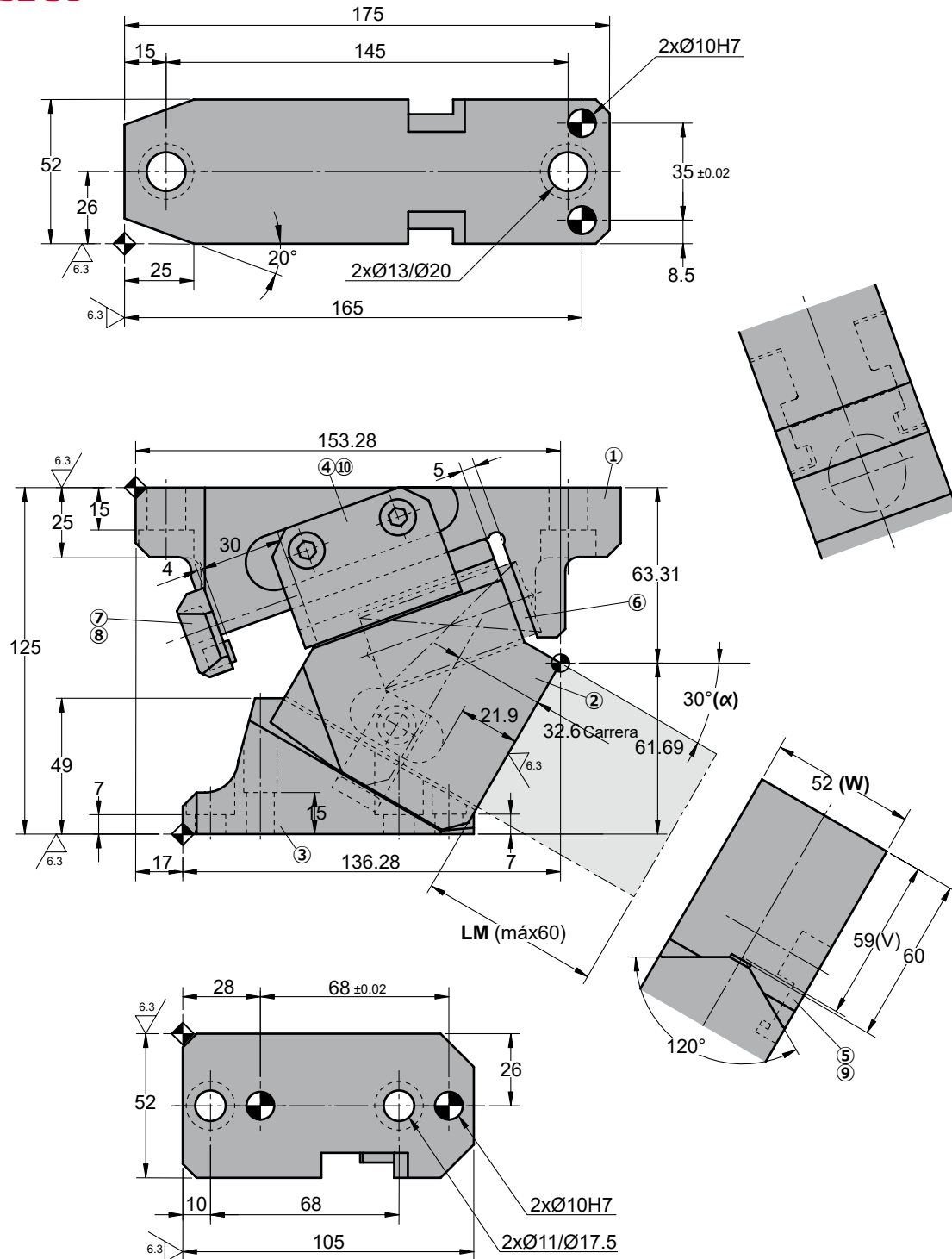
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

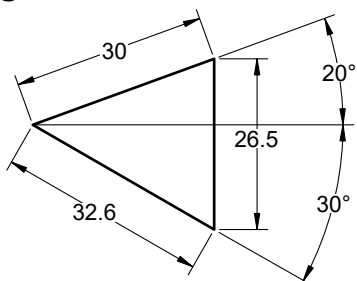
Aerial cam for pierce



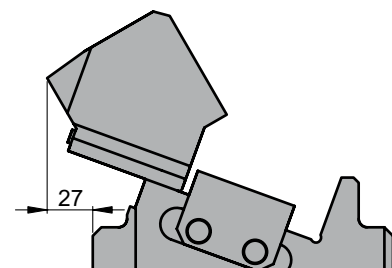
## ATFA 0052 30



### Cam diagram:



### Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
32.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>30</b>



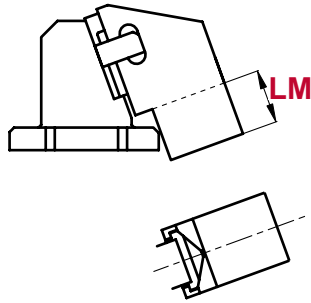
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 30**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 30-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

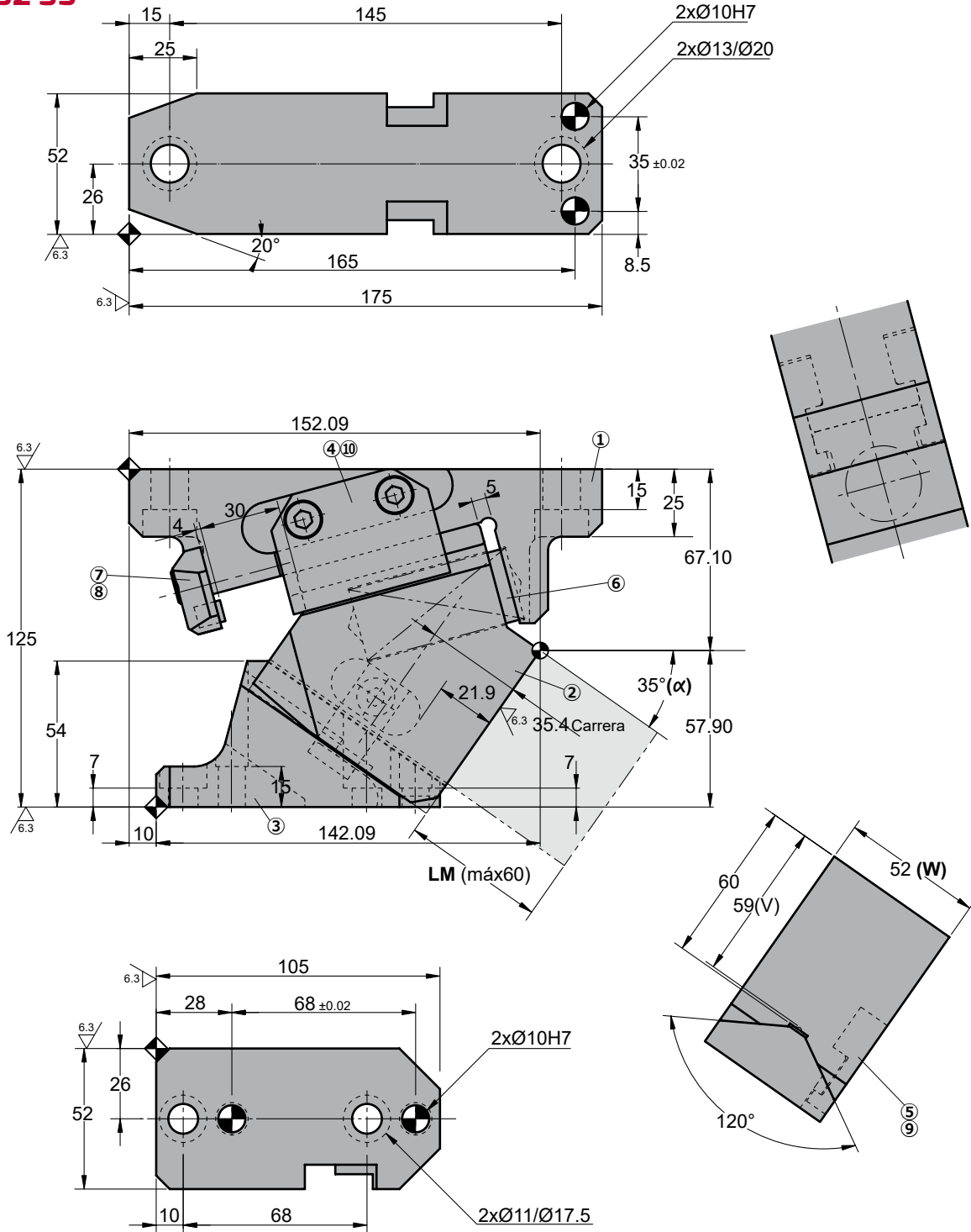
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

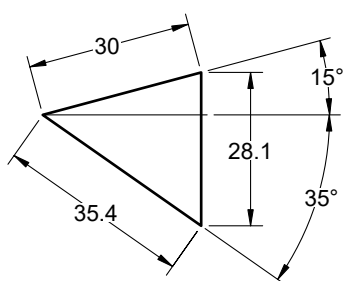
Aerial cam for pierce



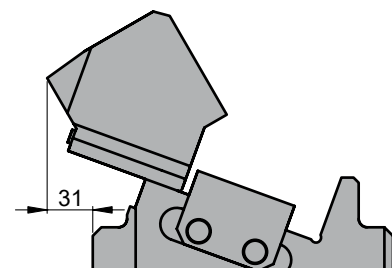
## ATFA 0052 35



### Cam diagram:



### Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
35.4	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	4.9	<b>ATFA</b>	<b>0052</b>	<b>35</b>



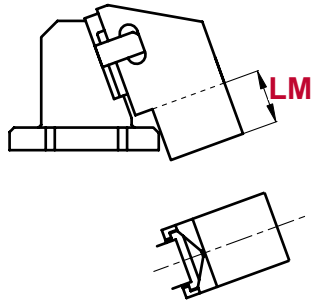
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 35**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 35-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
38.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>40</b>



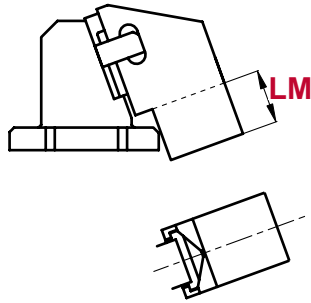
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 40**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 40-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

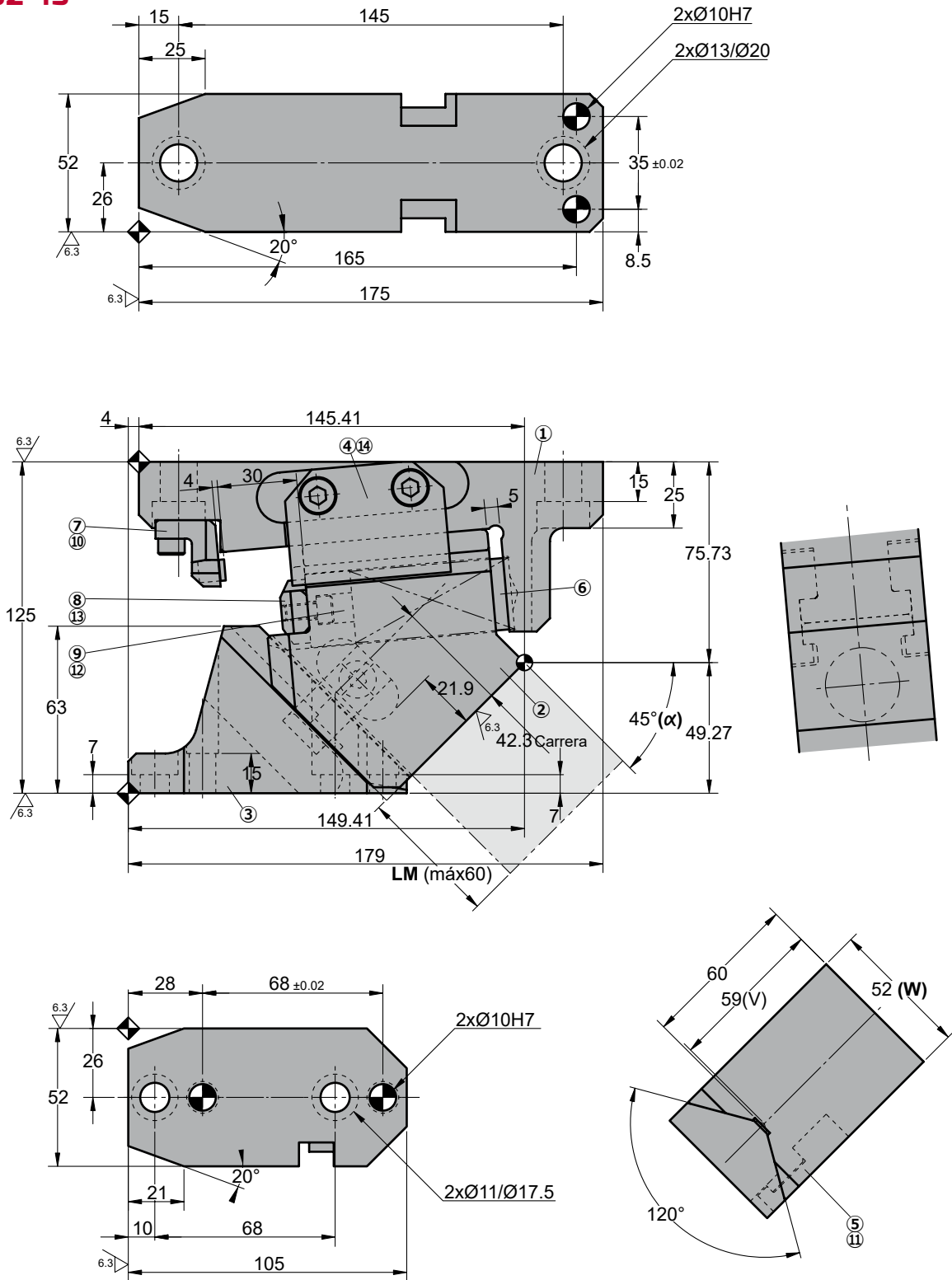
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

# ATFA 0052

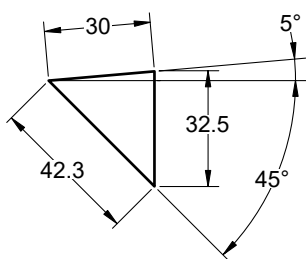
Aerial cam for pierce



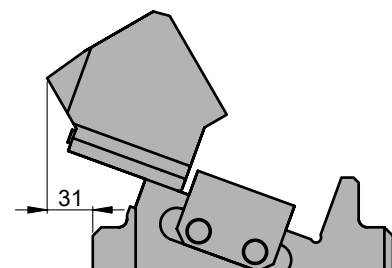
## ATFA 0052 45



◦Cam diagram:



◦Disassembling space:







# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
42.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>45</b>



Order: Model (W) ( $\alpha$ )

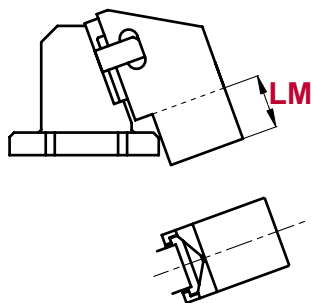
**ATFA 0052 45**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 45-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
46.7	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>50</b>



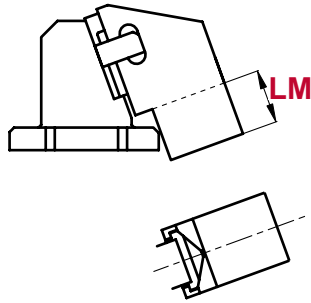
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 50**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 50-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

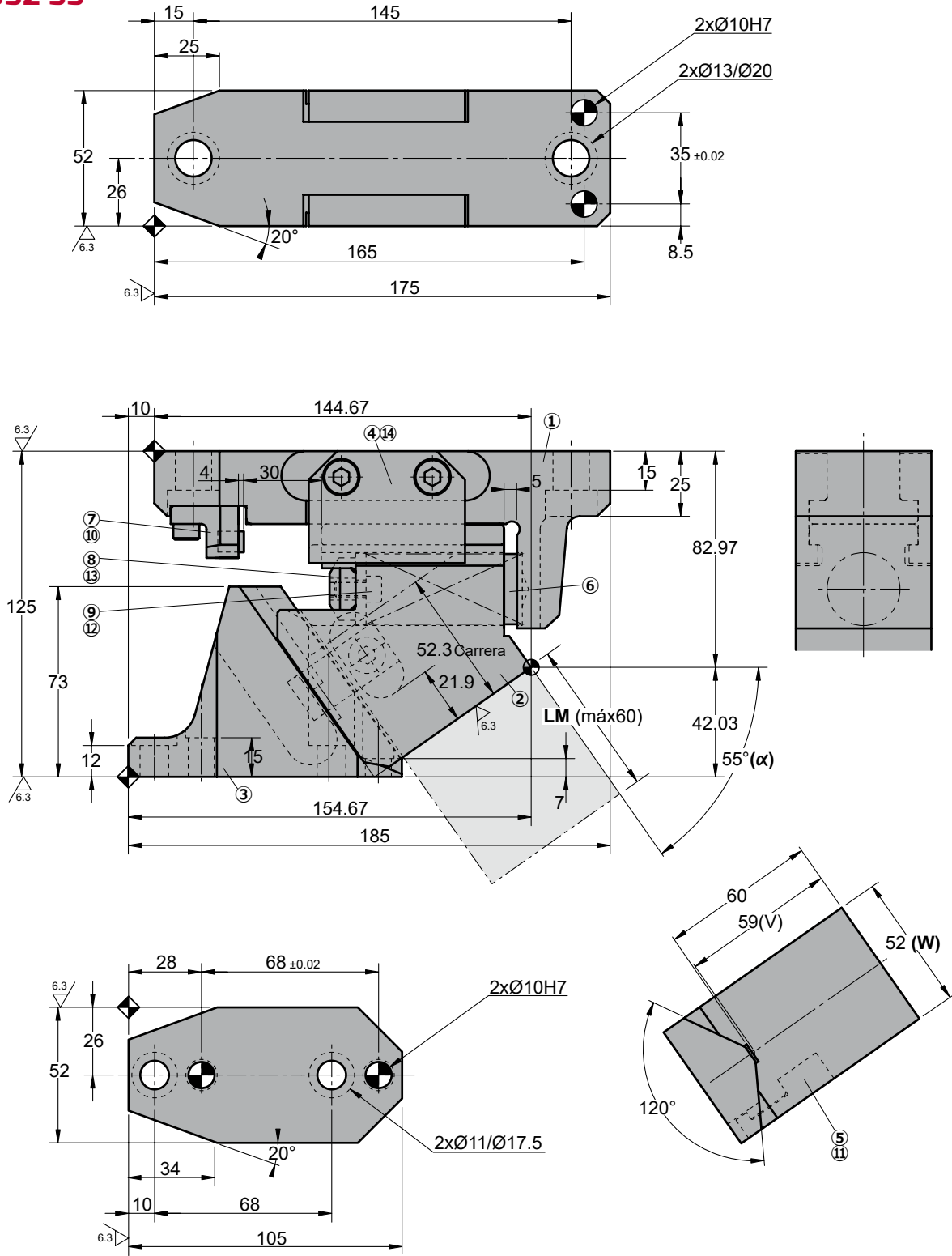
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

# ATFA 0052

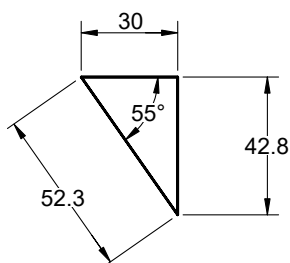
Aerial cam for pierce



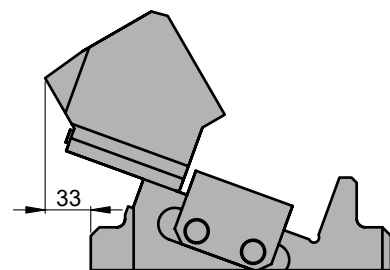
## ATFA 0052 55



◦Cam diagram:



◦Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
52.3	14.7 (1.5)	29.4 (3.0)	245 (25.0)	980.0 (99.9)	5.0	<b>ATFA</b>	<b>0052</b>	<b>55</b>



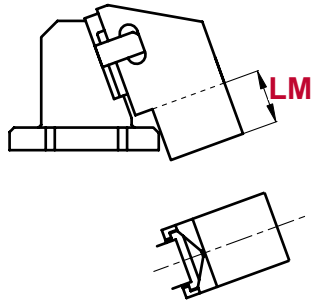
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 55**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 55-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
60.0	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.2	<b>ATFA</b>	<b>0052</b>	<b>60</b>



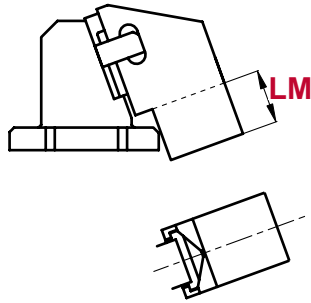
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 60**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



### Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 60-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16







# ATFA 0052

Aerial cam for pierce

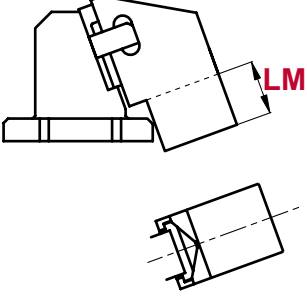
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
47.3	14.7 (1.5)	29.4 (3.0)	327.0 (33.3)	981.0 (100.0)	5.9	<b>ATFA</b>	<b>0052</b>	<b>65</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0052 65**

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

## OPTIONS

<p><b>LM MOUNT</b></p> <p><b>LM</b> Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50</p> 	

Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 65-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-75
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
58.5	14.7 (1.5)	29.4 (3.0)	327.0 (33.3)	981.0 (100.0)	5.9	<b>ATFA</b>	<b>0052</b>	<b>70</b>



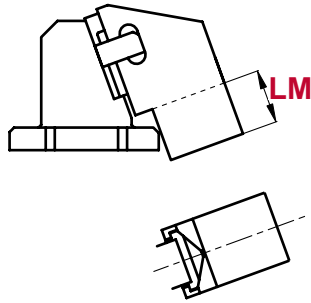
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 70**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 70-LM50**



### SPARE PARTS:

⑥ Coil Spring

## COMPONENTS

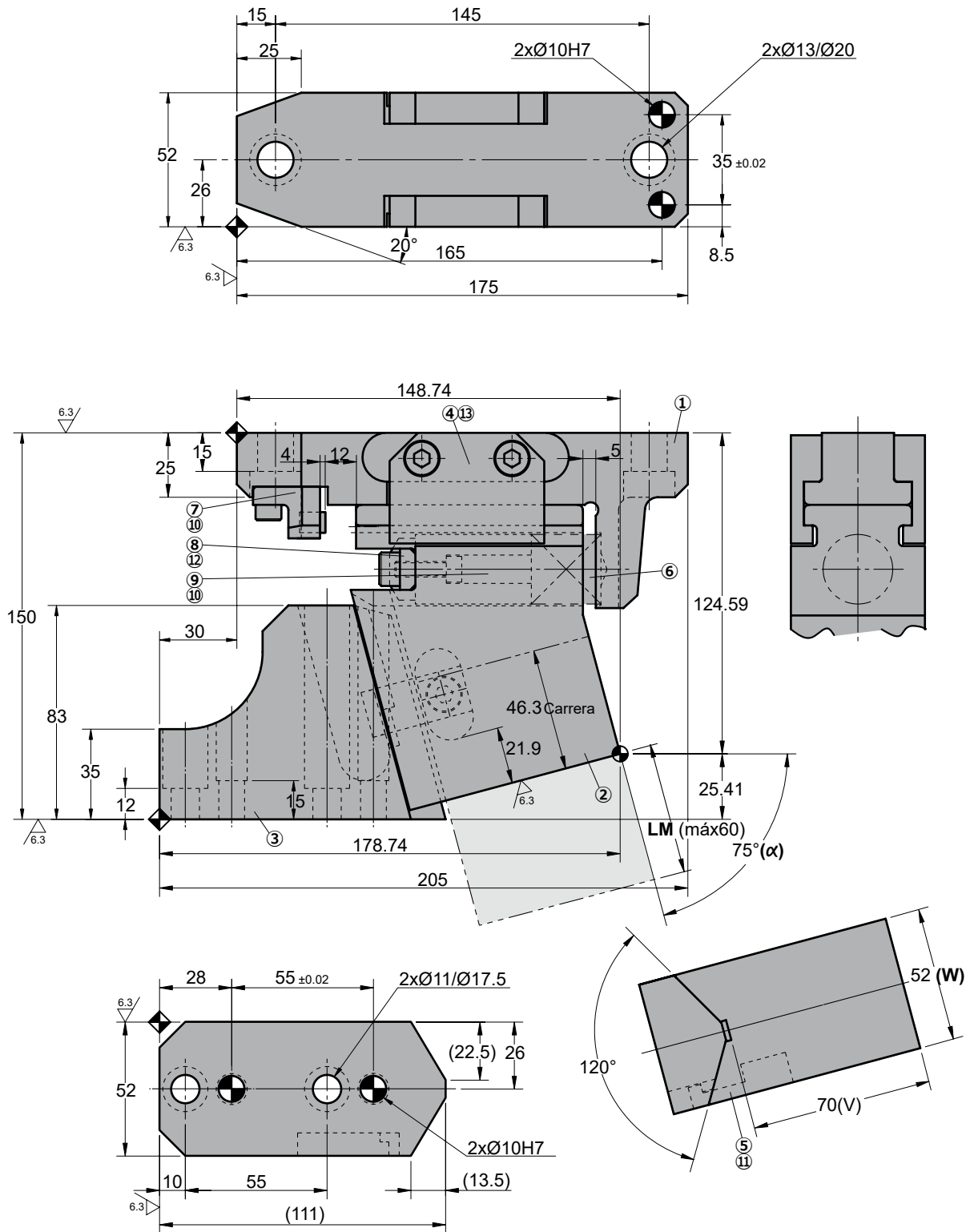
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-75
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

# ATFA 0052

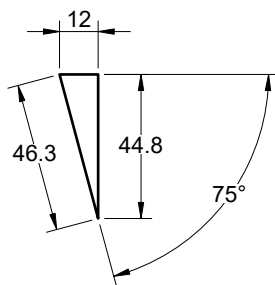
Aerial cam for pierce



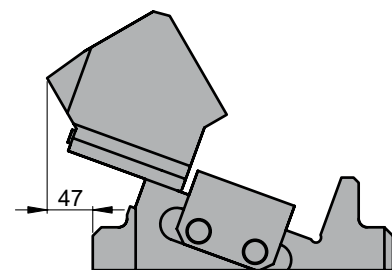
## ATFA 0052 75



◦Cam diagram:



◦Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
46.3	14.7 (1.5)	29.4 (3.0)	327.1 (33.4)	981.2 (100.1)	7.8	<b>ATFA</b>	<b>0052</b>	<b>75</b>



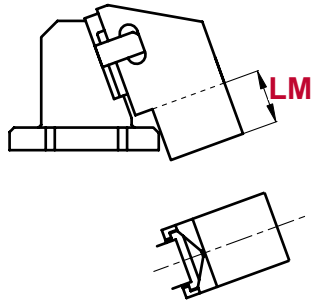
Order: Model (W) ( $\alpha$ )  
**ATFA 0052 75**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 75-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

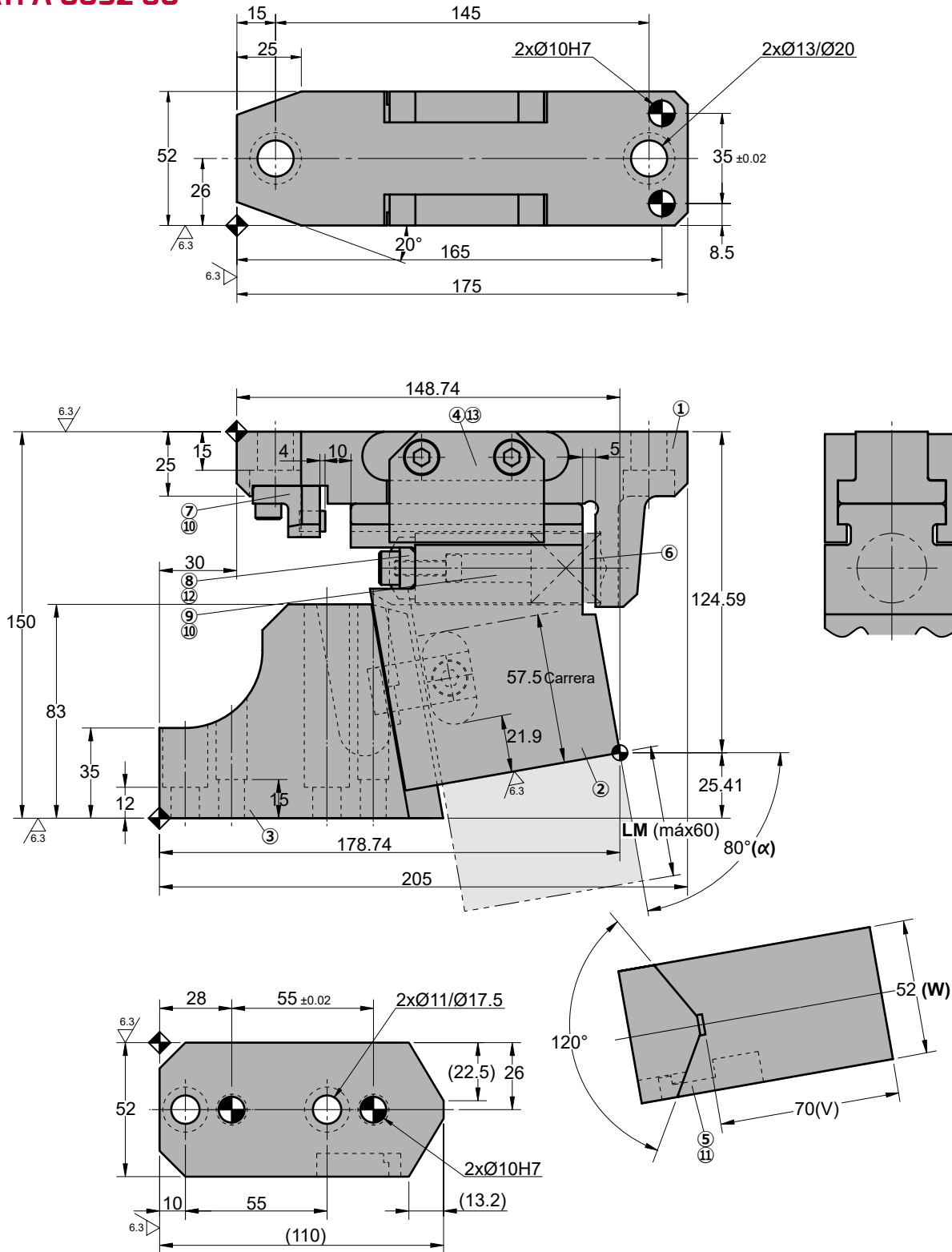
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-45
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	3	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	4	M6 x 16

# ATFA 0052

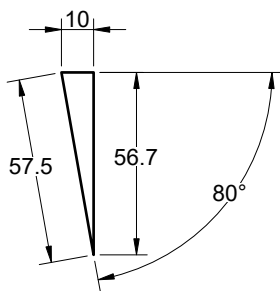
Aerial cam for pierce



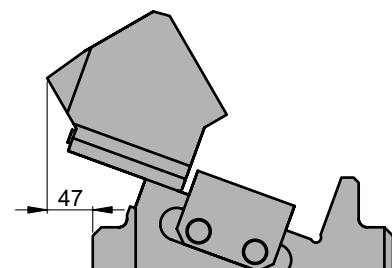
## ATFA 0052 80



◦Cam diagram:



◦Disassembling space:





# ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
57.5	14.7 (1.5)	29.4 (3.0)	436.1 (44.5)	981.2 (100.1)	7.7	<b>ATFA</b>	<b>0052</b>	<b>80</b>



Order: Model (W) ( $\alpha$ )

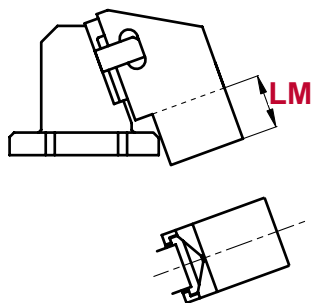
**ATFA 0052 80**

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

## OPTIONS

### LM MOUNT

**LM** Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) ( $\alpha$ )-Option



**ATFA 0052 80-LM50**



**SPARE PARTS:**

⑥ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-45
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	3	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	4	M6 x 16

# ATFA 0052



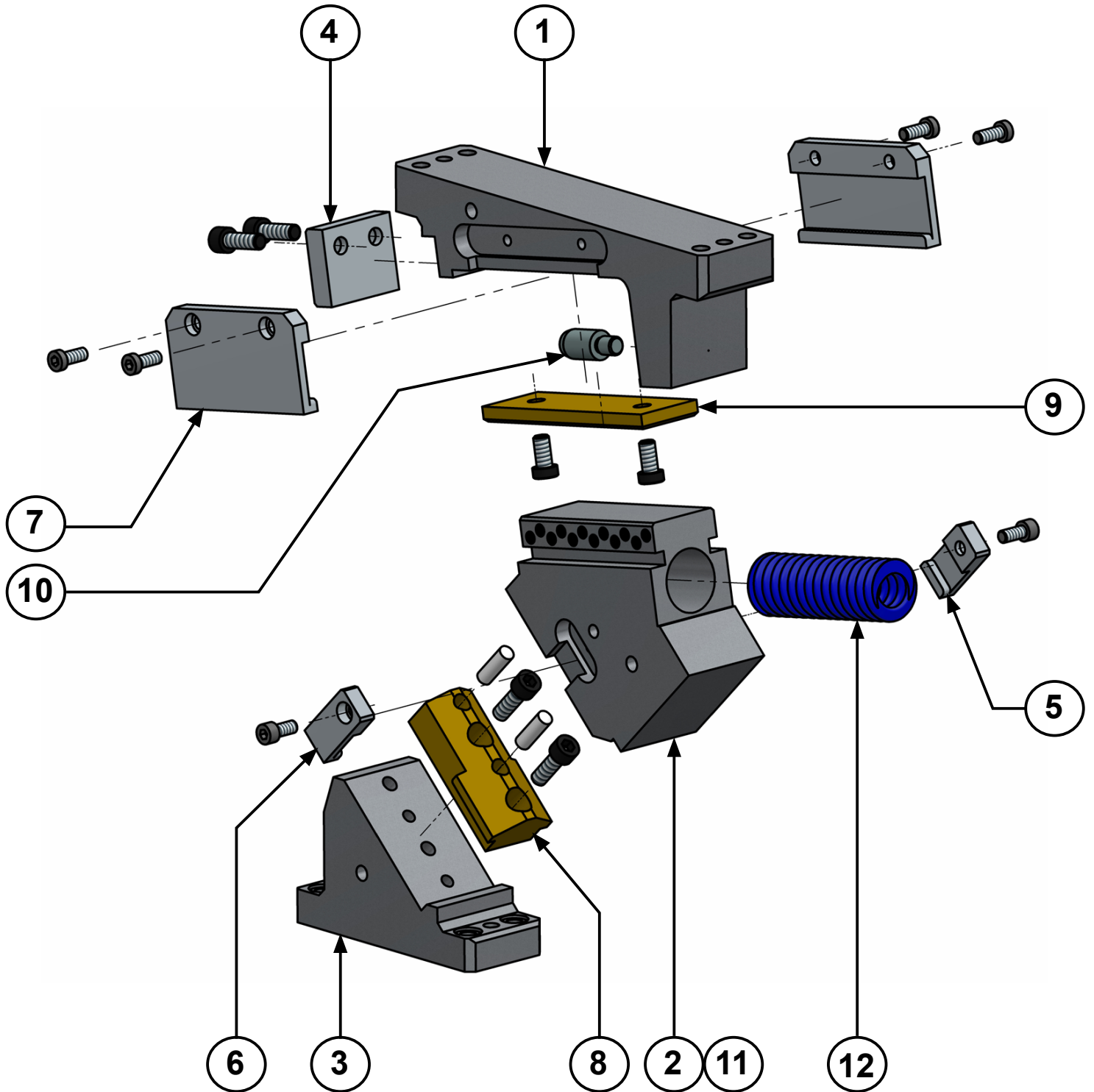
*Aerial cam for pierce*





# ATFA 0065

Aerial cam for pierce

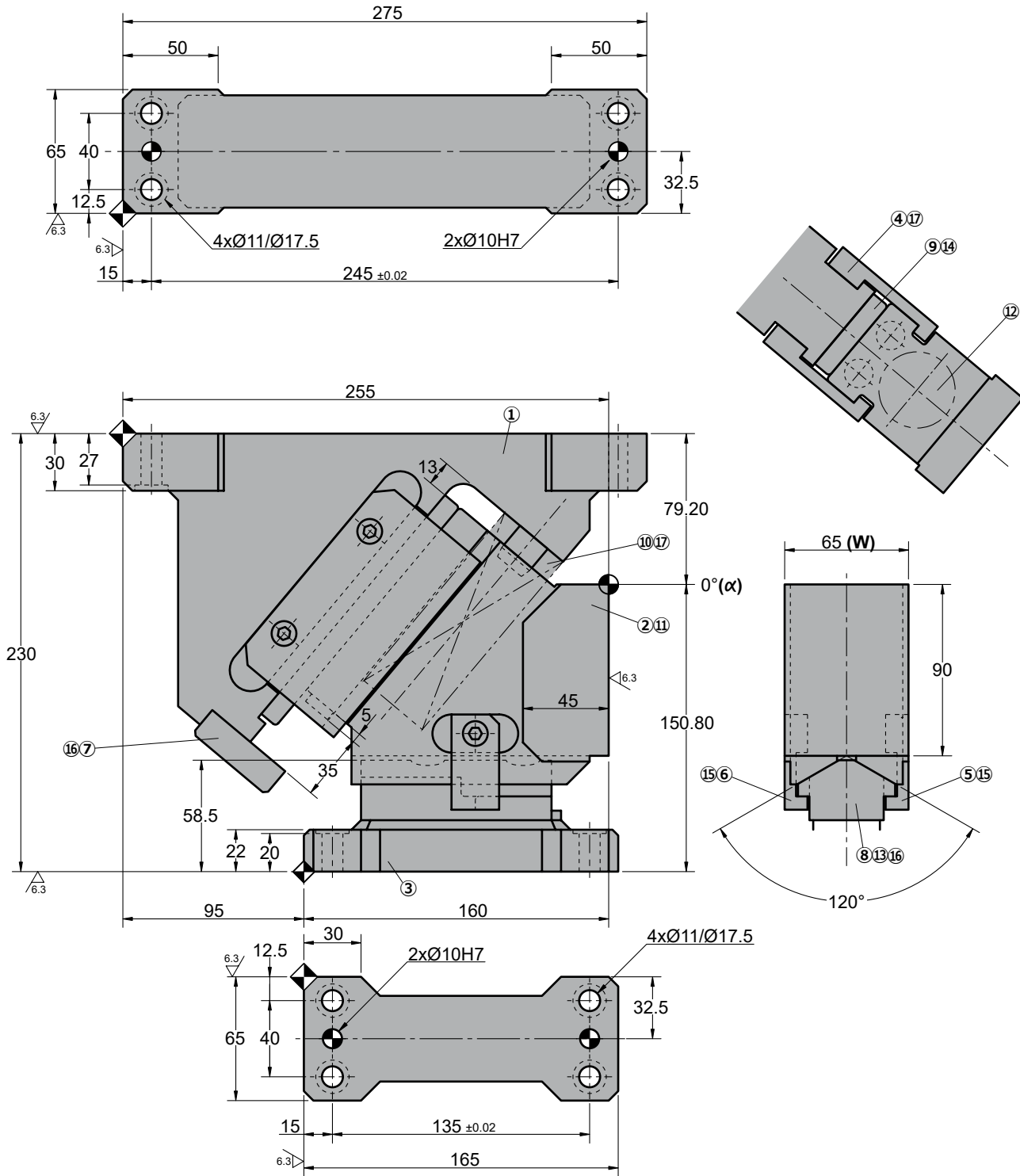


# ATFA 0065

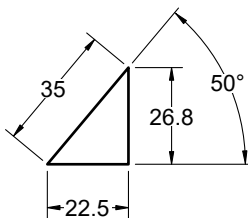
Aerial cam for pierce



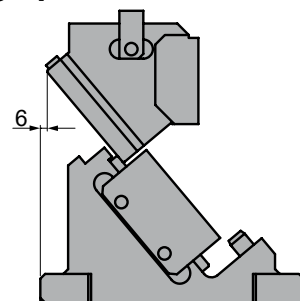
## ATFA 0065 00



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
22.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.4	<b>ATFA</b>	<b>0065</b>	<b>00</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 00**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

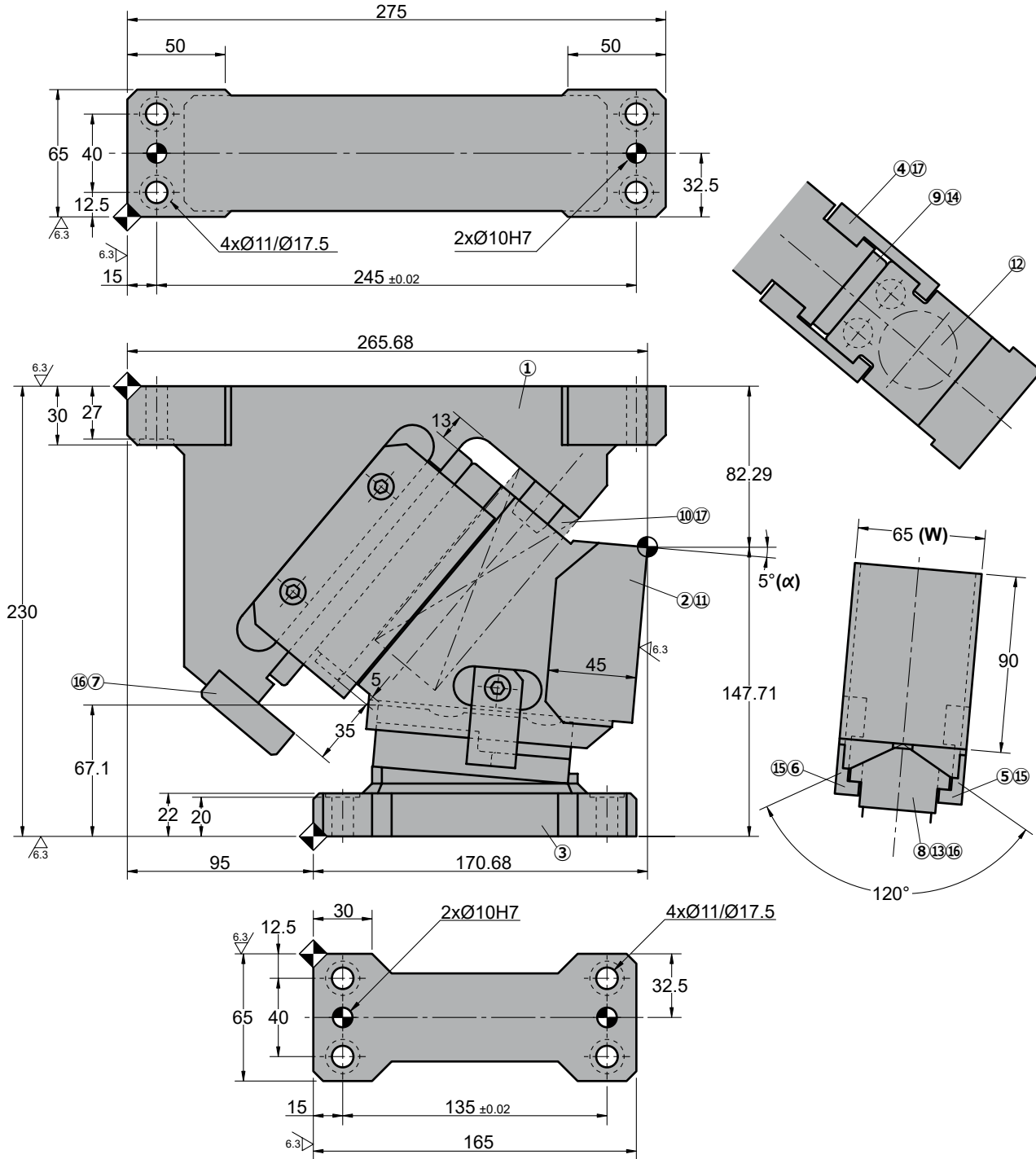
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

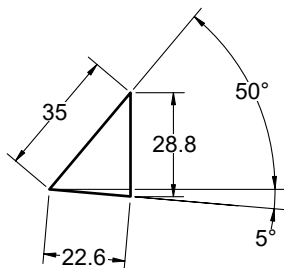
Aerial cam for pierce



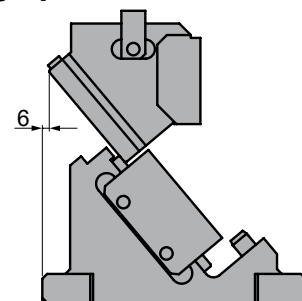
## ATFA 0065 05



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
22.6	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.6	<b>ATFA</b>	<b>0065</b>	<b>05</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 05**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

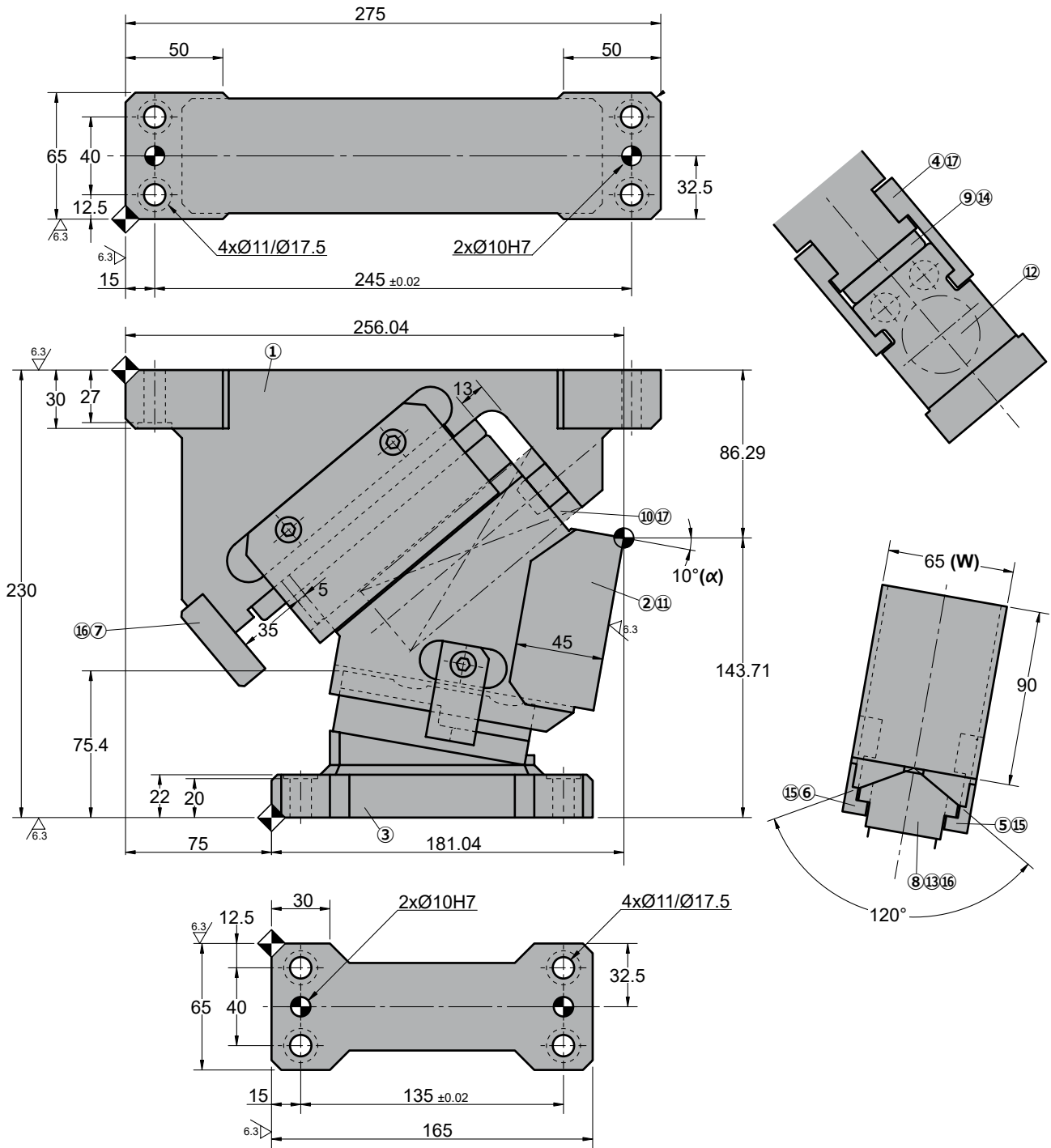
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

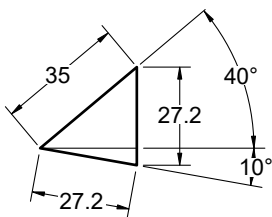
Aerial cam for pierce



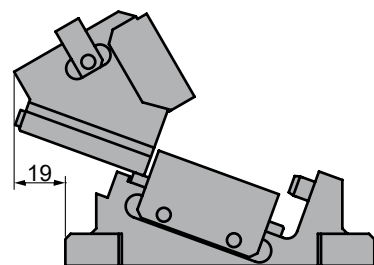
## ATFA 0065 10



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
27.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.4	<b>ATFA</b>	<b>0065</b>	<b>10</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 10**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

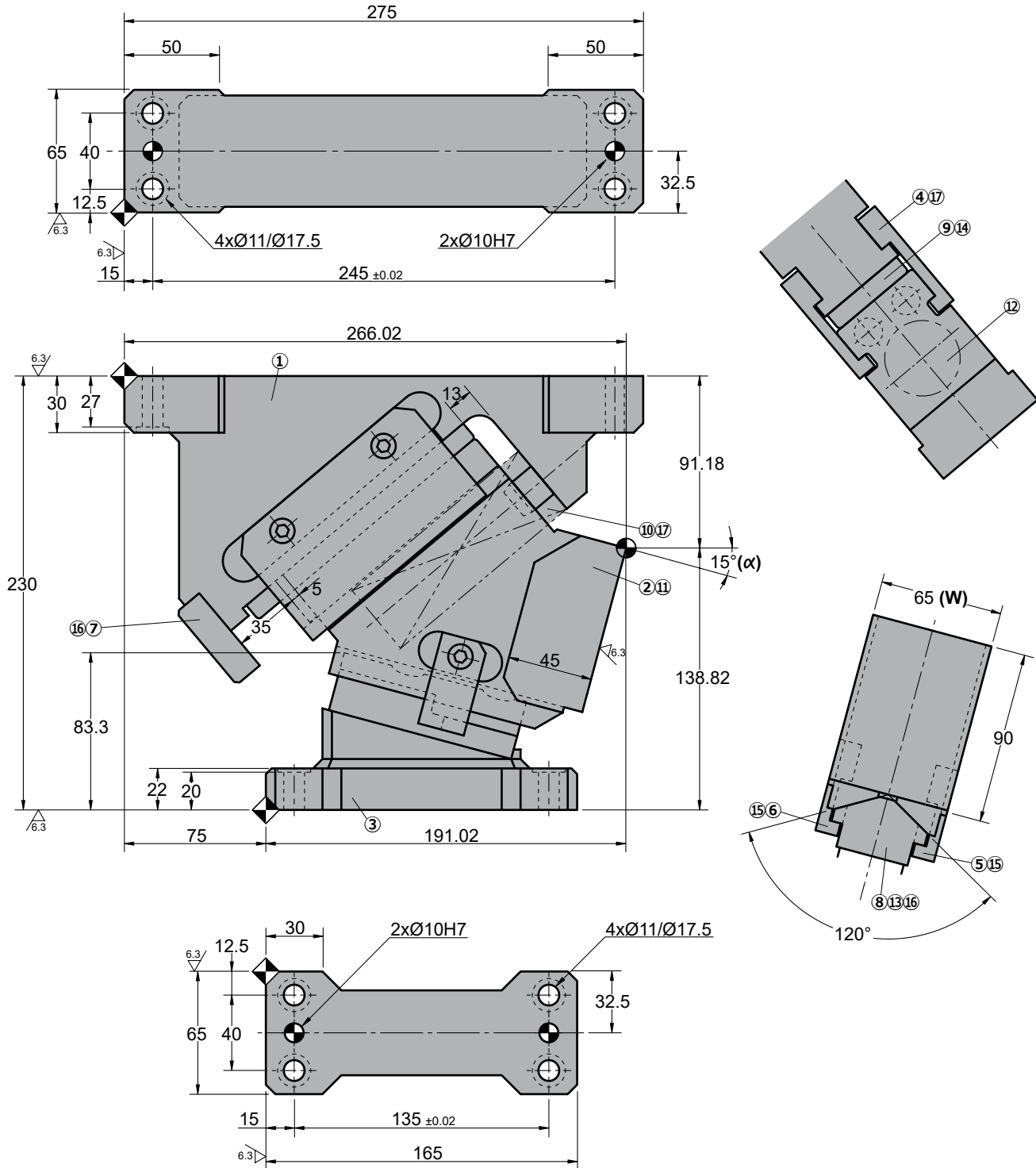
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

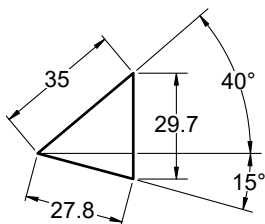
Aerial cam for pierce



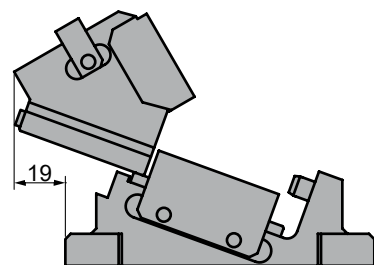
## ATFA 0065 15



◦Cam diagram:



◦Disassembling space:







# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
27.8	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.5	<b>ATFA</b>	<b>0065</b>	<b>15</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 15**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

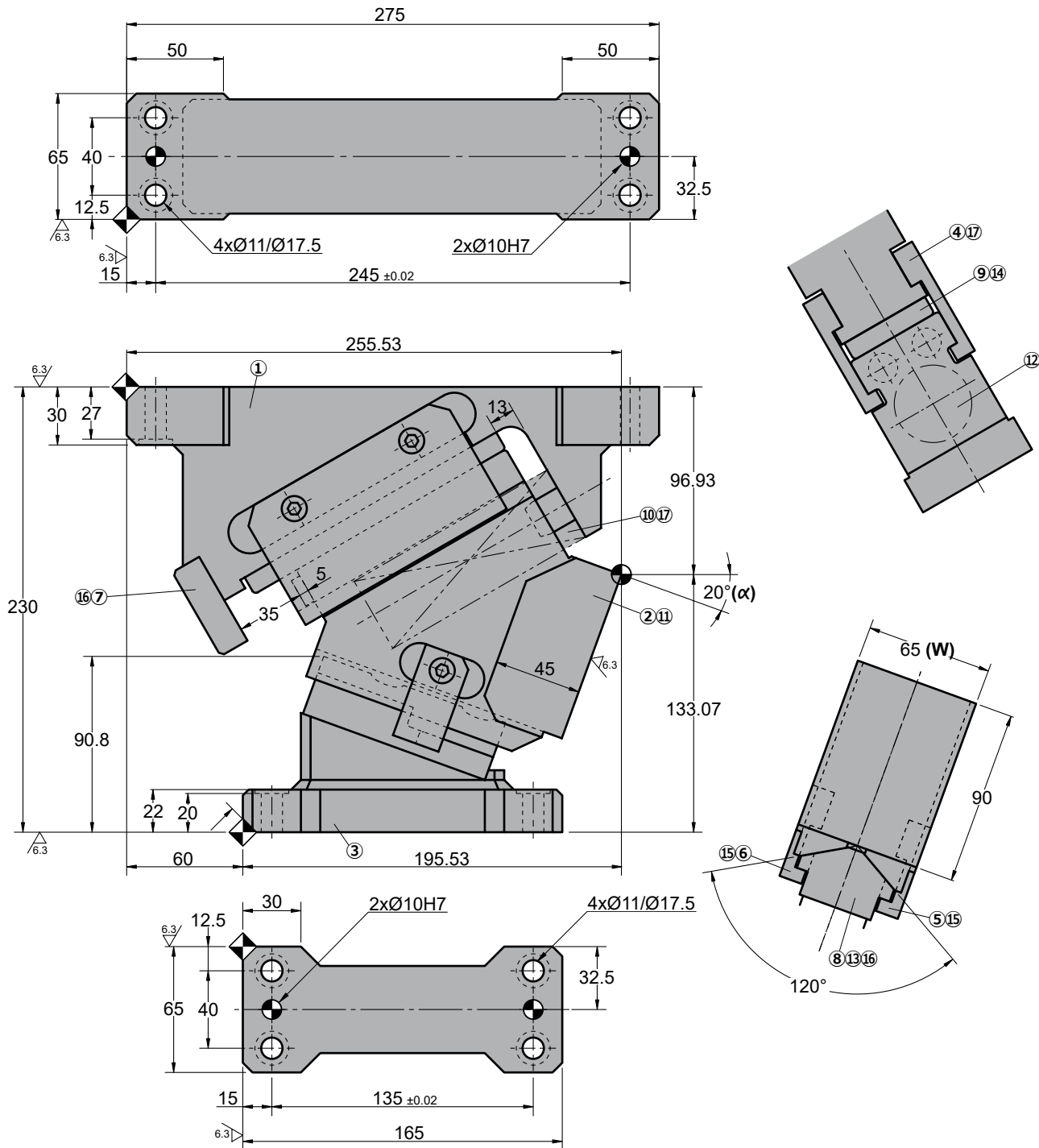
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

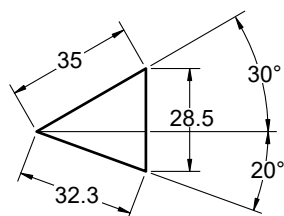
Aerial cam for pierce



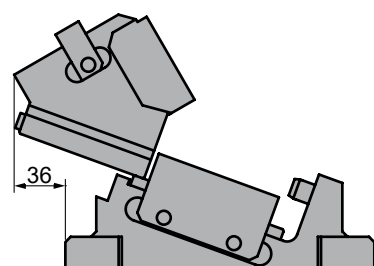
## ATFA 0065 20



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
32.3	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.6	<b>ATFA</b>	<b>0065</b>	<b>20</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 20**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

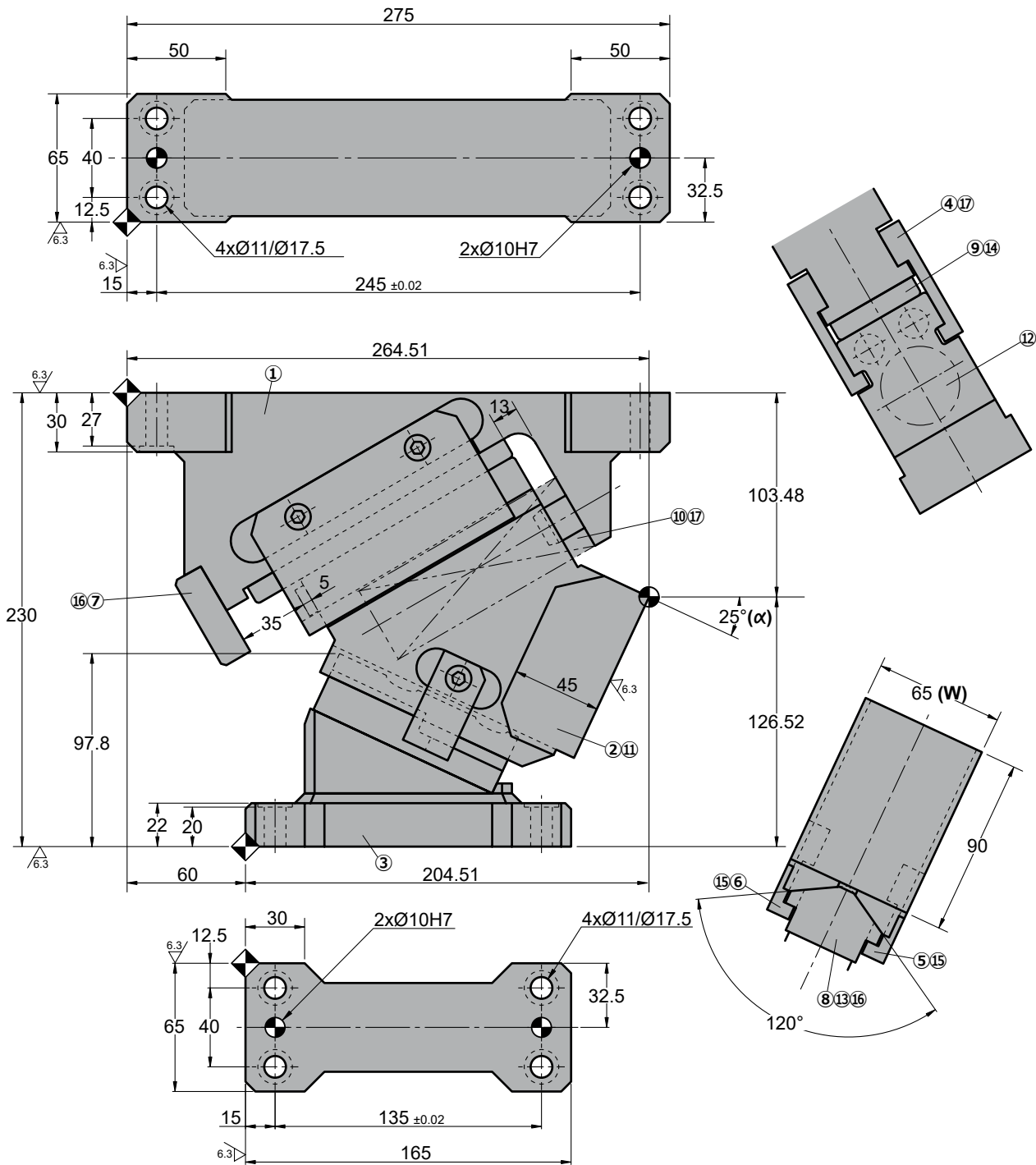
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

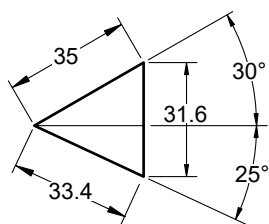
Aerial cam for pierce



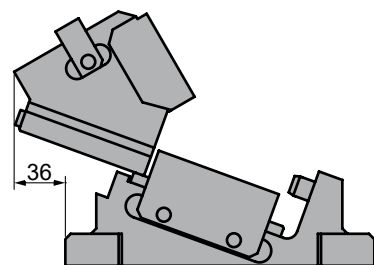
## ATFA 0065 25



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
33.4	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.8	<b>ATFA</b>	<b>0065</b>	<b>25</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 25**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

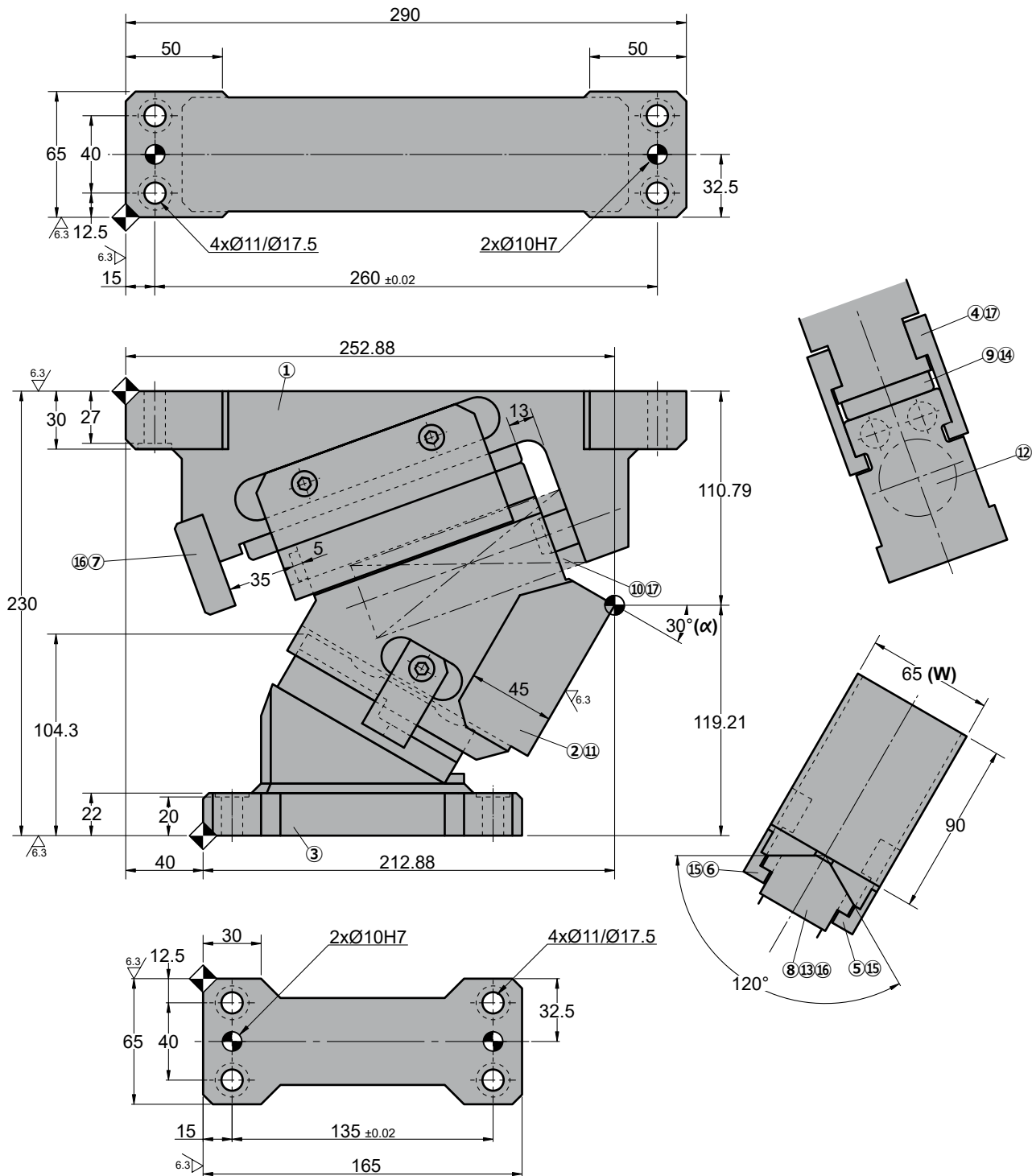
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

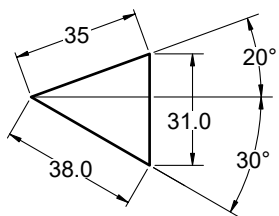
Aerial cam for pierce



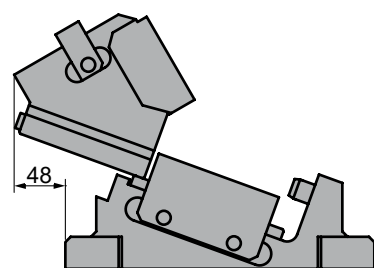
## ATFA 0065 30



### Cam diagram:



### Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
38.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.9	<b>ATFA</b>	<b>0065</b>	<b>30</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 30**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

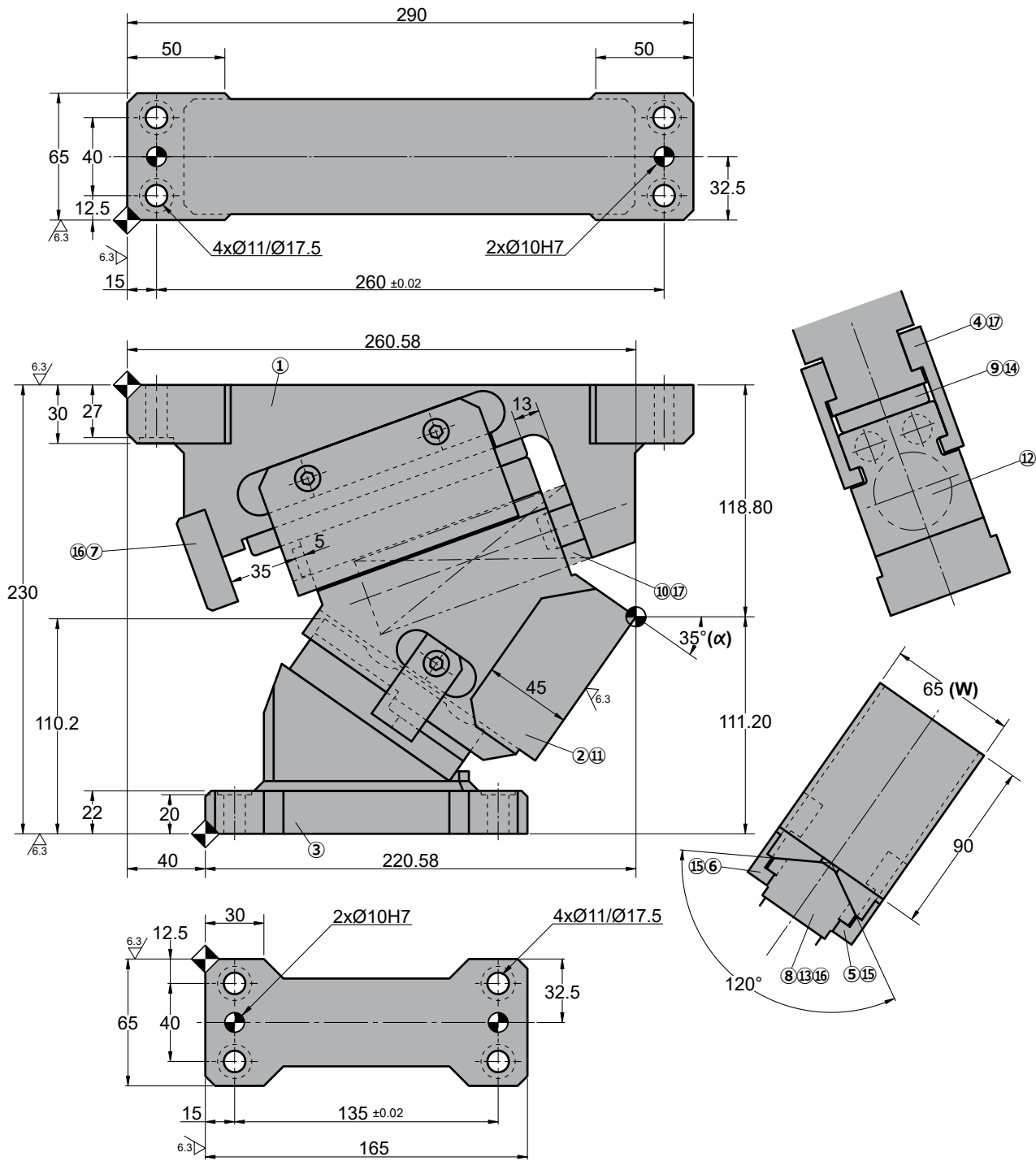
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

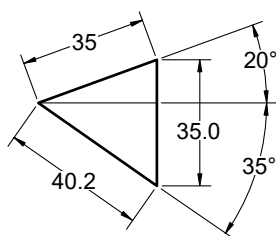
Aerial cam for pierce



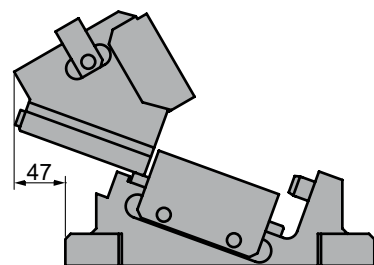
## ATFA 0065 35



### Cam diagram:



### Disassembling space:







# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
40.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.0	<b>ATFA</b>	<b>0065</b>	<b>35</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 35**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

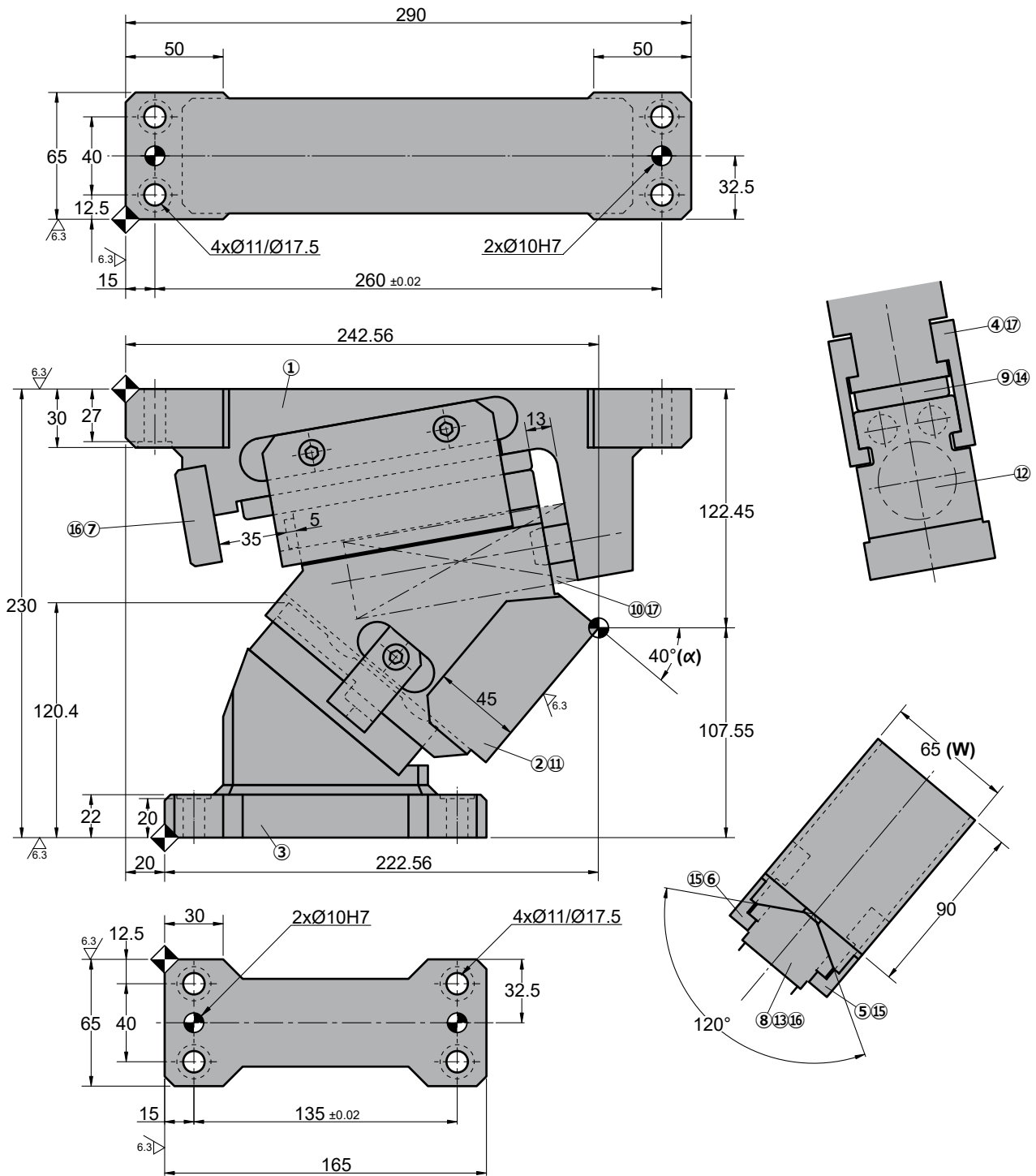
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

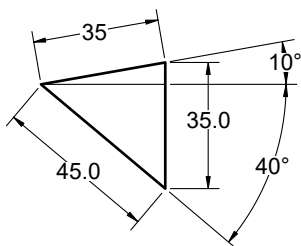
Aerial cam for pierce



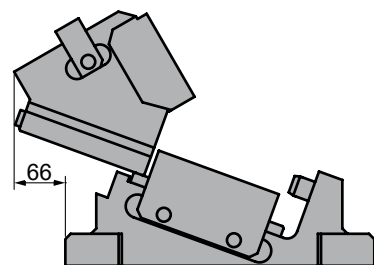
## ATFA 0065 40



### Cam diagram:



### Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
45.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.4	<b>ATFA</b>	<b>0065</b>	<b>40</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 40**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

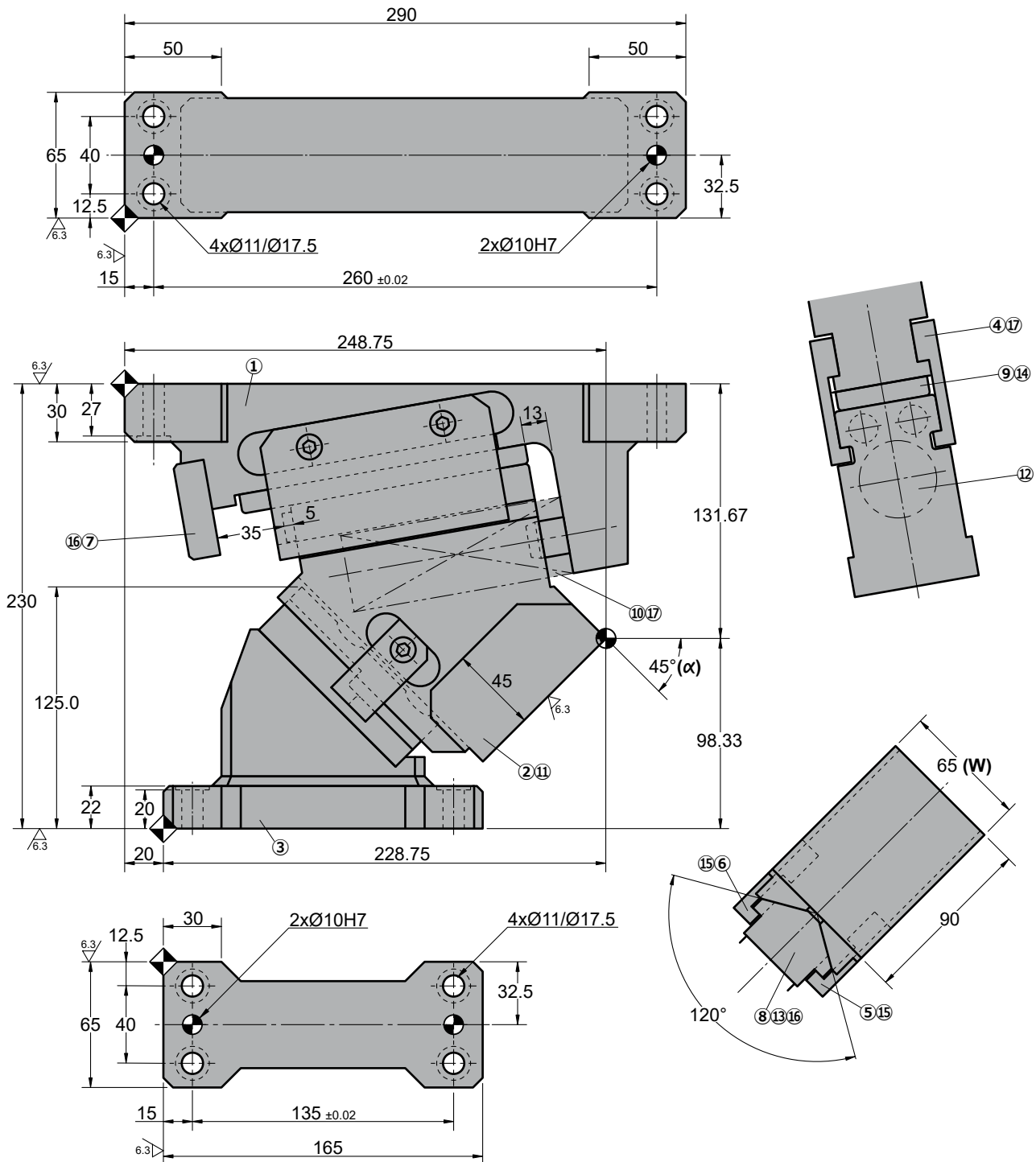
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

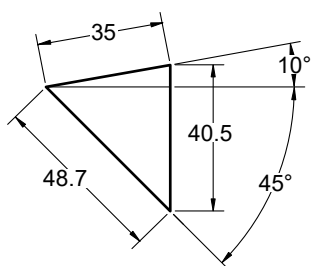
Aerial cam for pierce



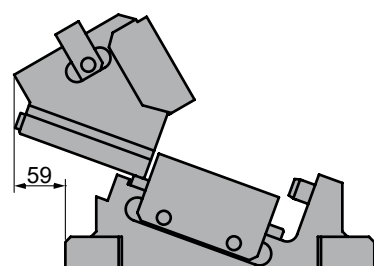
## ATFA 0065 45



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
48.7	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.6	<b>ATFA</b>	<b>0065</b>	<b>45</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 45**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

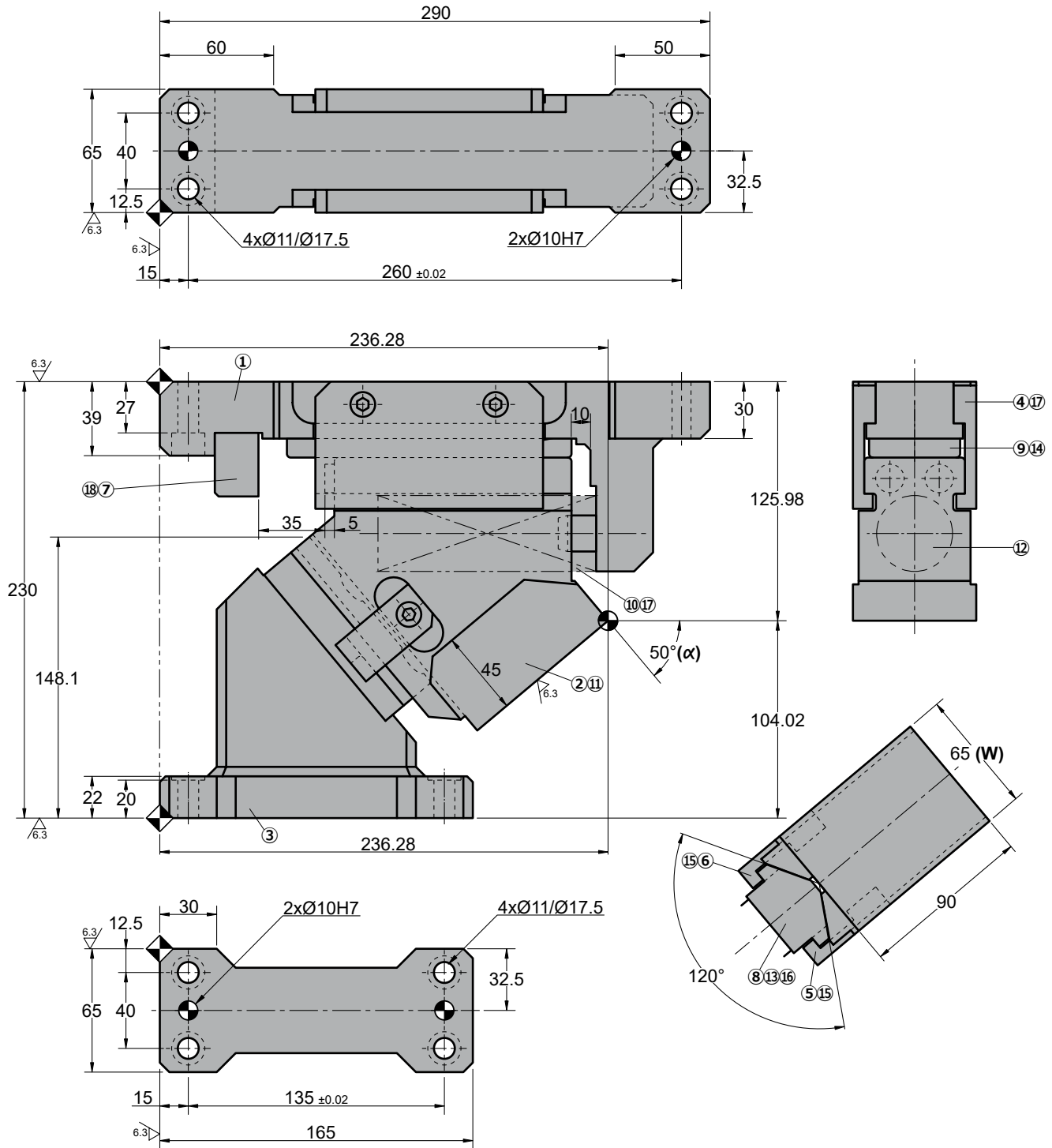
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

# ATFA 0065

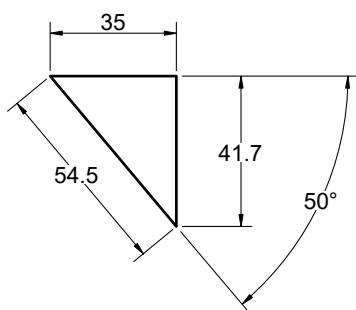
Aerial cam for pierce



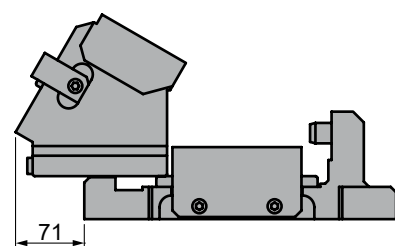
## ATFA 0065 50



◦Cam diagram:



◦Disassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
54.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	15.9	<b>ATFA</b>	<b>0065</b>	<b>50</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 50**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



**SPARE PARTS:**

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

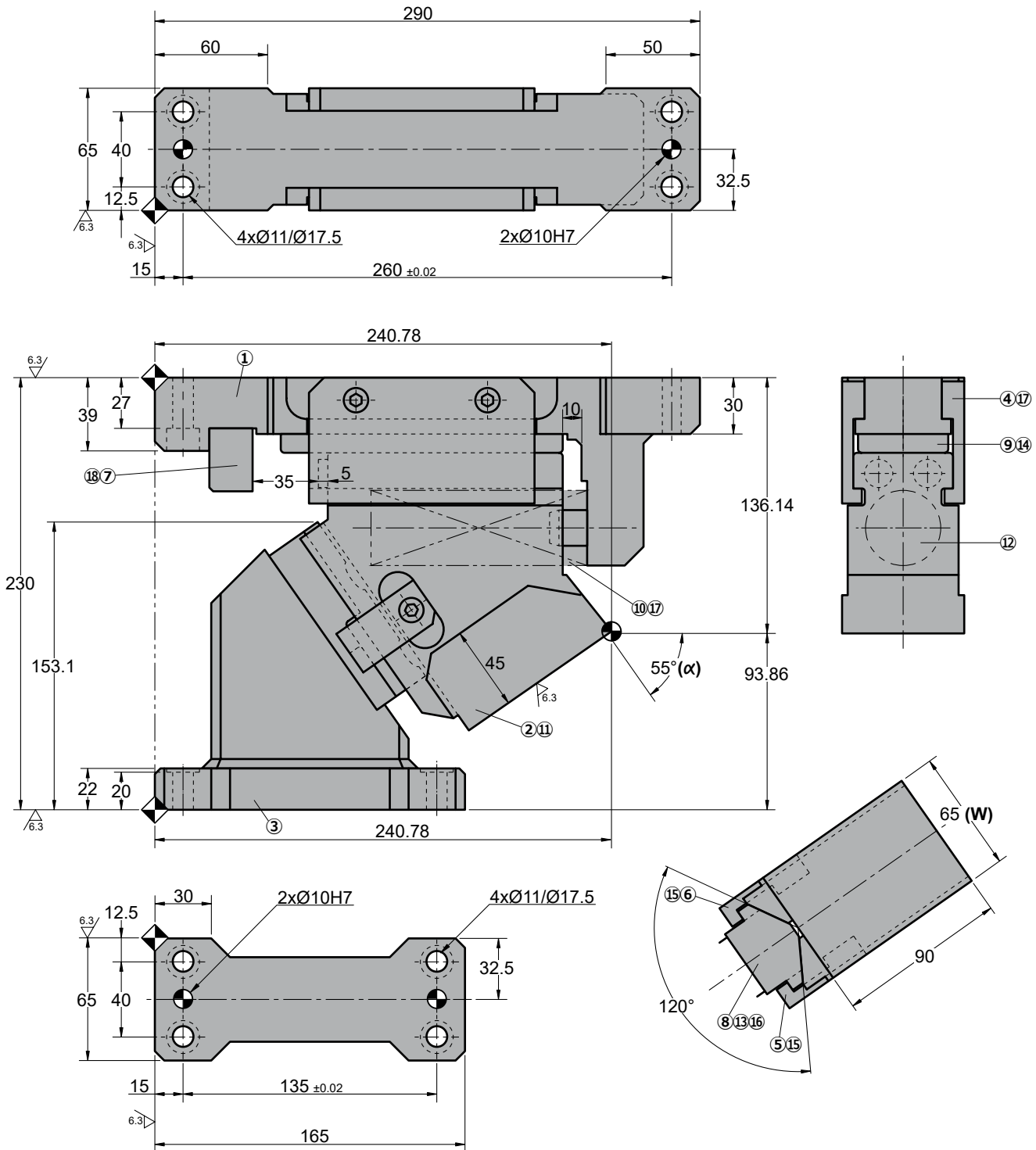
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

# ATFA 0065

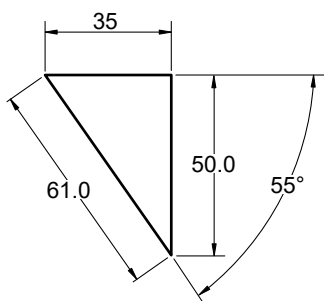
Aerial cam for pierce



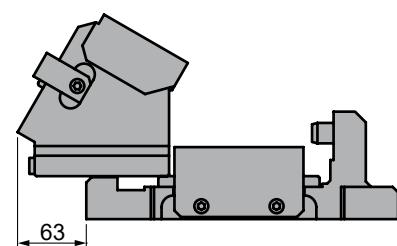
## ATFA 0065 55



◦Cam diagram:



◦Disassembling space:







# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
61.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.1	<b>ATFA</b>	<b>0065</b>	<b>55</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 55**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

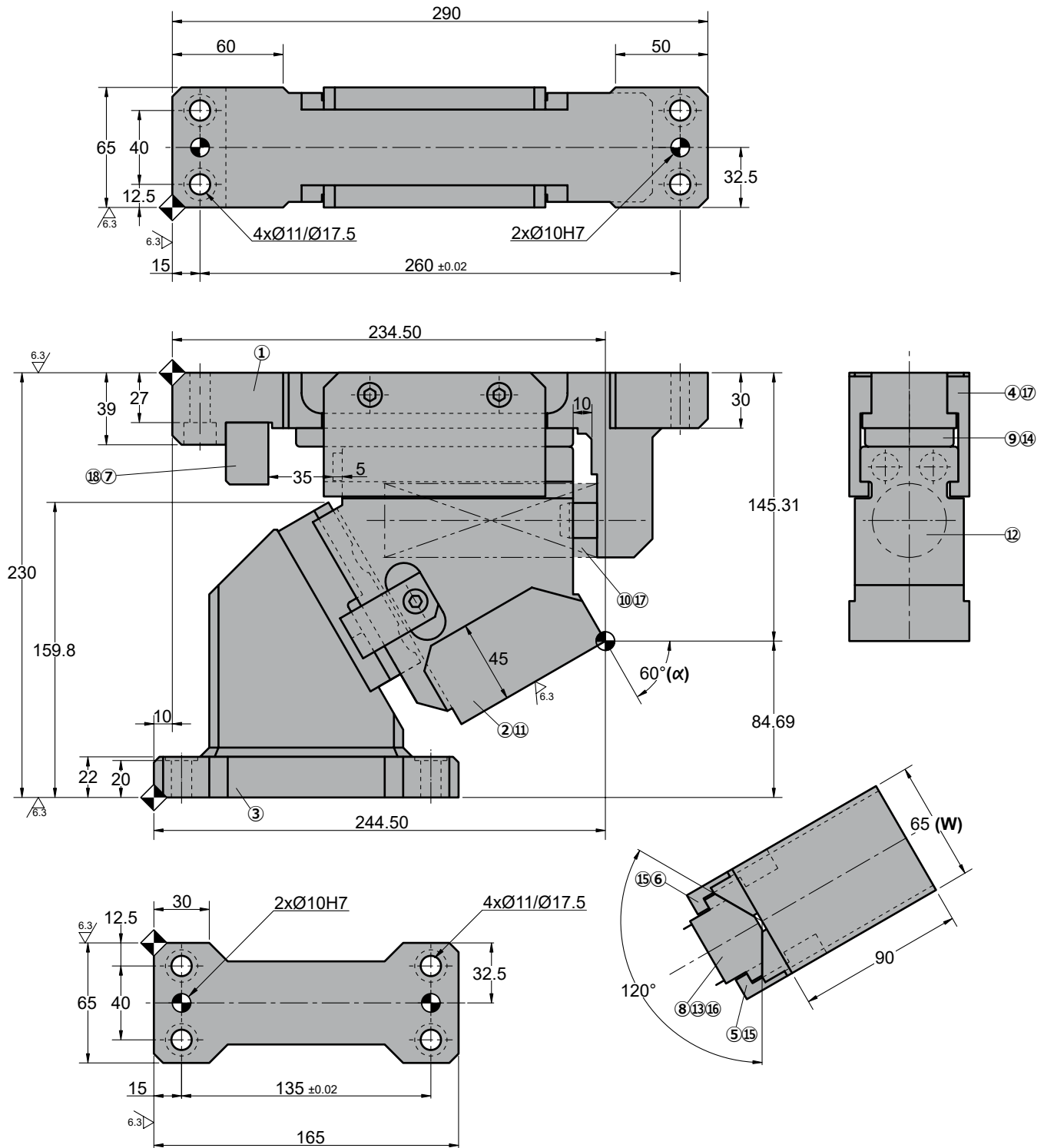
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

# ATFA 0065

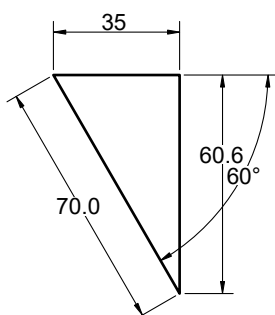
Aerial cam for pierce



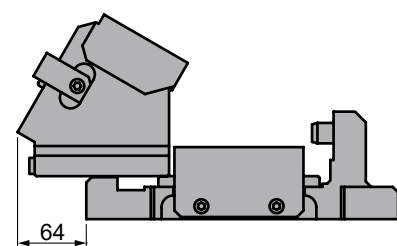
## ATFA 0065 60



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
70.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.4	<b>ATFA</b>	<b>0065</b>	<b>60</b>



Order: Model (W) ( $\alpha$ )  
**ATFA 0065 60**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

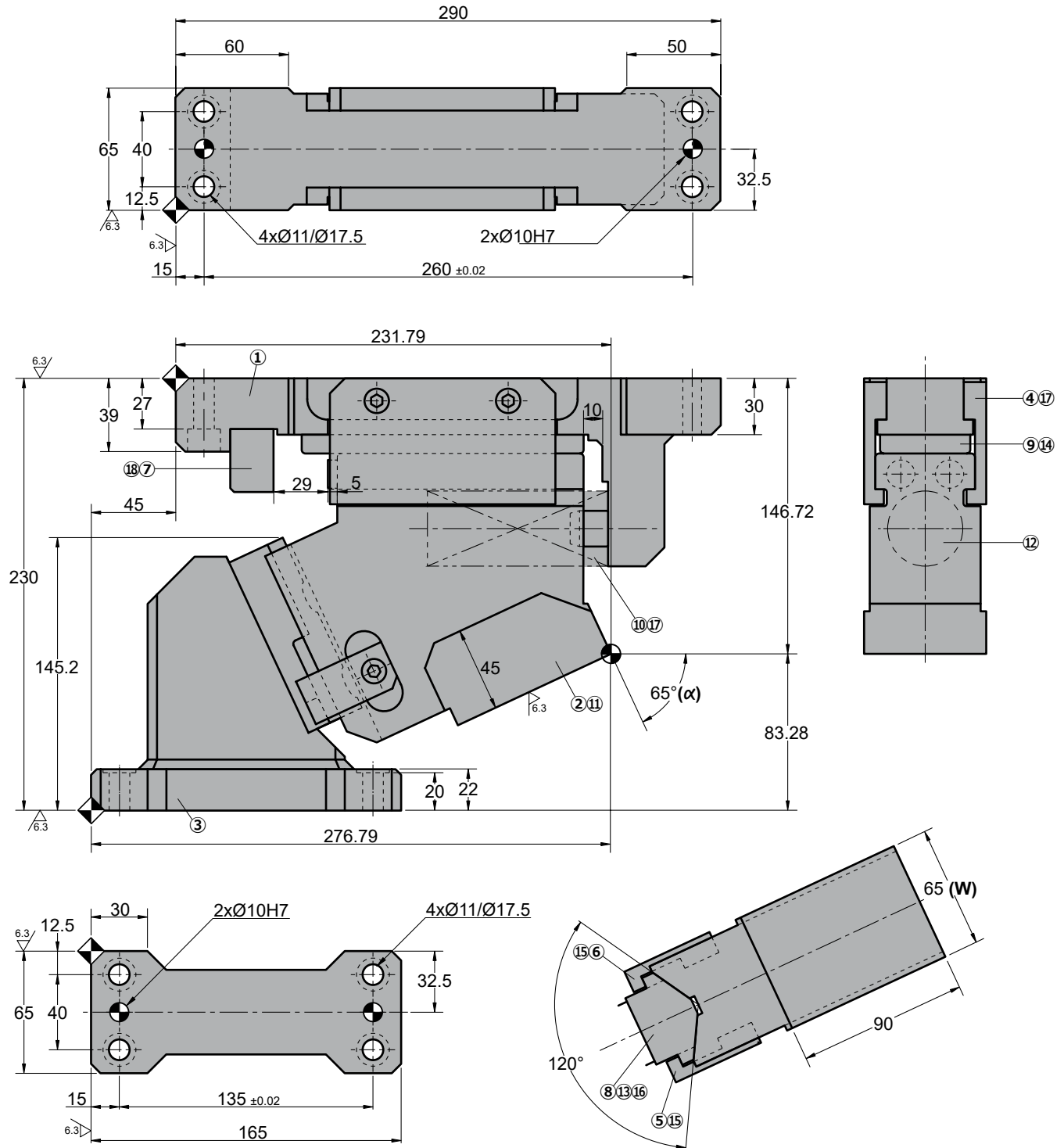
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

# ATFA 0065

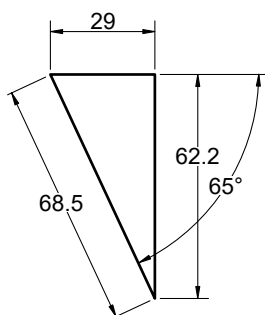
Aerial cam for pierce



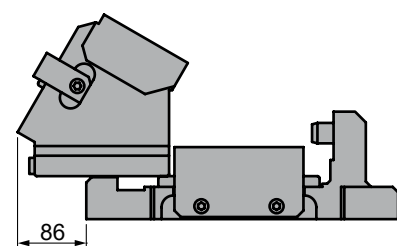
## ATFA 0065 65



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
68.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5936.3 (605.3)	18.0	<b>ATFA</b>	<b>0065</b>	<b>65</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 65**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-127
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

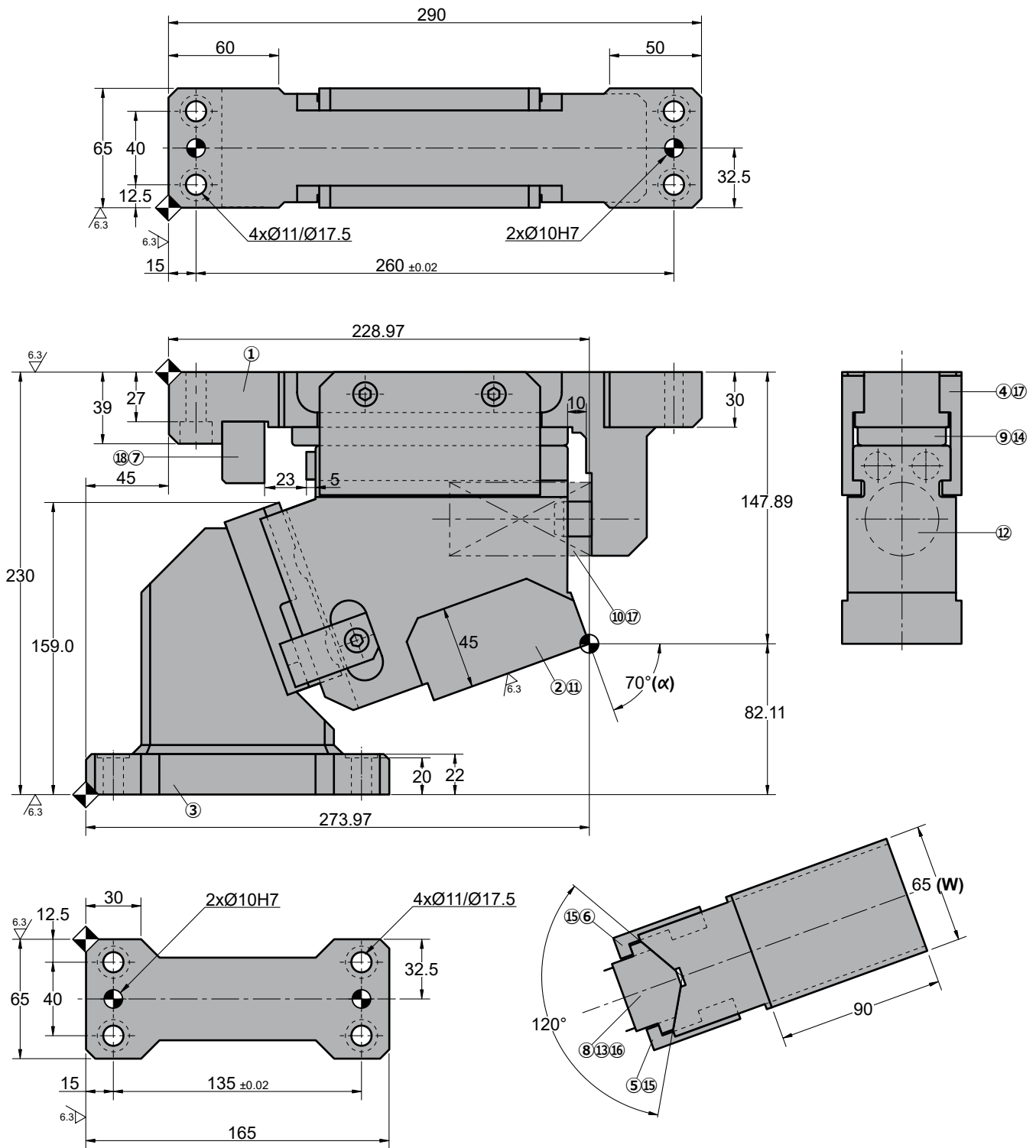
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

# ATFA 0065

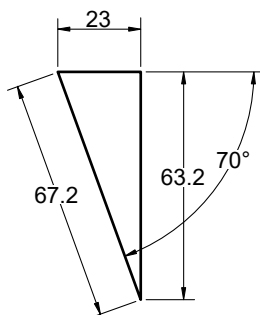
Aerial cam for pierce



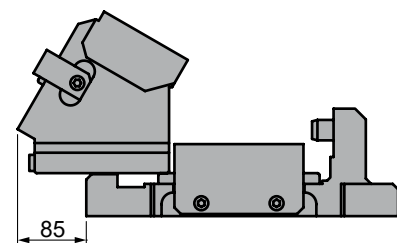
## ATFA 0065 70



◦Cam diagram:



◦Disassembling space:





# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
67.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5862.7 (597.8)	18.0	<b>ATFA</b>	<b>0065</b>	<b>70</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 70**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-102
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

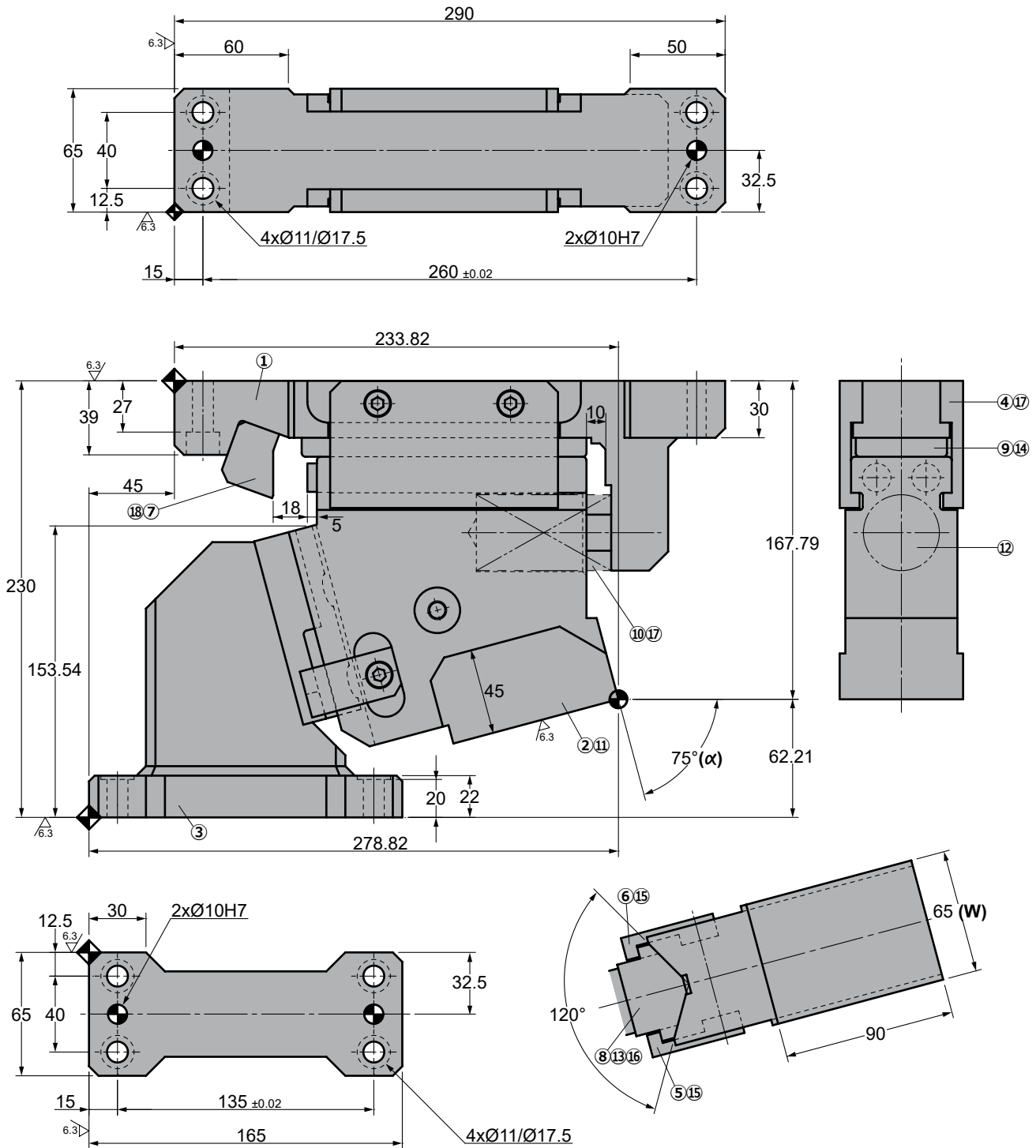
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

# ATFA 0065

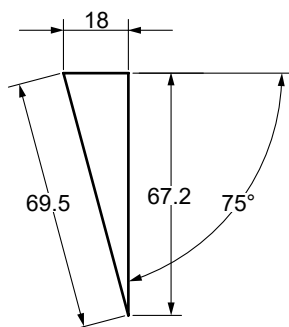
Aerial cam for pierce



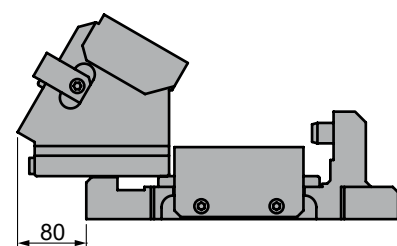
## ATFA 0065 75



◦Cam diagram:



◦Disassembling space:







# ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	$\alpha$ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F <sub>0</sub>	Final F <sub>1</sub>				
69.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5257.8 (536.1)	20.0	<b>ATFA</b>	<b>0065</b>	<b>75</b>



Order: Model (W) ( $\alpha$ )

**ATFA 0065 75**

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

## OPTIONS


Order Options: Model (W) ( $\alpha$ )-Option



### SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

## COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-89
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

# ATFA 0065



*Aerial cam for pierce*