

## Cam Units Short Definitions

**Cam Units:** In dies, by turning vertical motion of press to horizontal motion within the die, drilling - cutting - form processes are provided in dies. These cam units are standard compact design components, and grouped as die mounted / angular or aerial cam types. As well as standard cam models are suitable to many general usages, also special models are produced as per request. Also, upper casing holes can be finished (with reamer / H7). Also, plate lock systems or gas spring options may be selected.

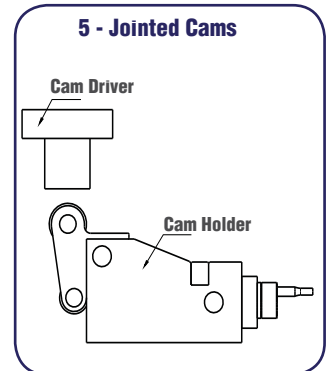
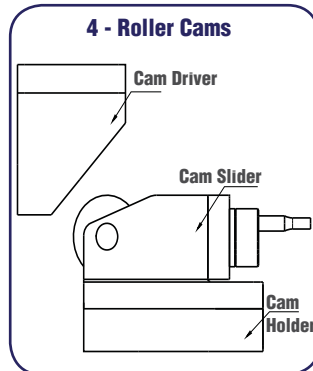
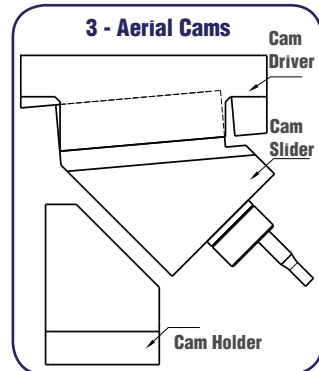
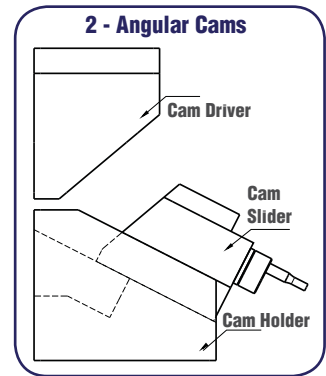
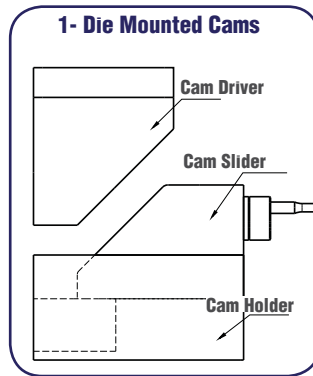
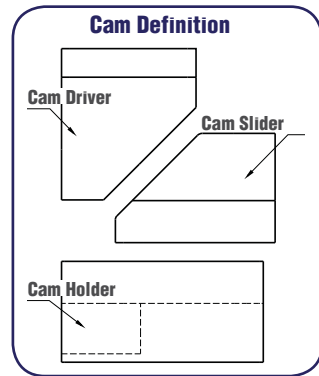
**Cam Units:** They can be connected to different angles - they can be worked at wide force and stroke ranges. **Giving 10% stroke tolerance is recommended.**

**Safety and Working Conditions:** Lateral loads should be avoided. Cam unit should not be exposed to dirt and burrs (friction surfaces may get damaged).

- \* To maintain repeated operation of cam unit, it should be secured to the die robustly.
- \* Steel or die gas spring used at cam units are ensured to bring cam to same starting point at every turn at returns.
- \* In case of any adhesion, side guide arms are with safety system to provide bringing cam to starting point.
- \* When cam units are mounted with replaceable self-lubricating wear plates, they should be lubricated with thin oil regularly.
- \* In case of replacement of worn plates, you should be sure that all and centering elements are in their right position.
- \* If necessary, technical setting should be remade and fixed.
- \* For technical service, you can contact with our company.

### Cam Units Group and Types:

Cam Unit Code	Nominal Size
<b>DK</b> Die Mounted Cam Units	52
	65
	100
	150 ~ 300
	400 ~ 600
<b>DAK</b> Angular Cam Units	65
	100
	150
<b>AKSD</b>	52
<b>AKSCD</b>	52
<b>AKHTF</b>	65
<b>AKUC</b> Aerial Cam Units	50
	65
	80
	150
<b>AKSUK</b>	65
	100
	200
<b>AKBK</b>	65 ~ 200
<b>AKUG</b> Aerial Cam Units	50
	65
	80 ~ 200
	300
<b>AKUSL</b>	500 ~ 1000
<b>AKUNR</b>	70
	80
	165 ~ 400
<b>AKCD</b>	52
	90
<b>AKKP</b>	50
	80
	200 ~ 300
<b>AKKSL</b>	500 ~ 1000
<b>AKUSV</b>	60 ~ 110
	165 ~ 400
<b>RK</b>	01 ~ 03
<b>MK</b>	01 ~ 02



**Cam products selection:** You can select cam products from our catalogue according to the feature of sheet metal used in your dies in production and load calculations or you can use our technical support service for this matter.

The main purpose in die production is to minimize die production process in terms of time and cost and to simplify the die. This simplification can only be ensured by using standard products as far as possible. In some cases, cam units may be customized according to the operation conditions they will be used. In such cases, if you contact us about product selection or design, we can offer solutions for you.

#### Cast casing cam type (DK02): Standard (delivery from stock).

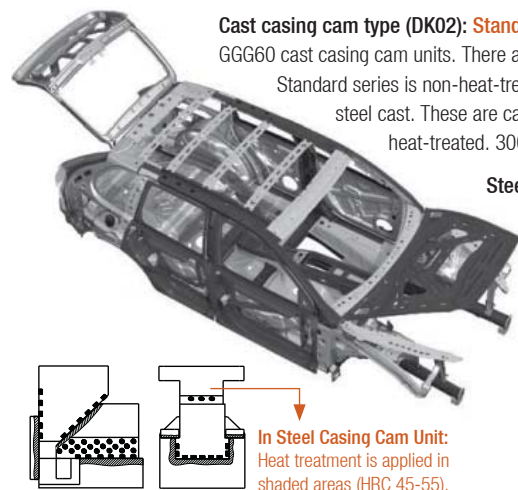
GGG60 cast casing cam units. There are 2 models: Heat-treated and non-heat-treated cams.

Standard series is non-heat-treated. **Heat-treated cams:** Are produced from hardenable steel cast. These are cams of which friction surfaces (cam holder - slider) are heat-treated. 300 - 500 grade is suitable for sheet metals press.

#### Steel casing cam type (DK01) : Order as per request.

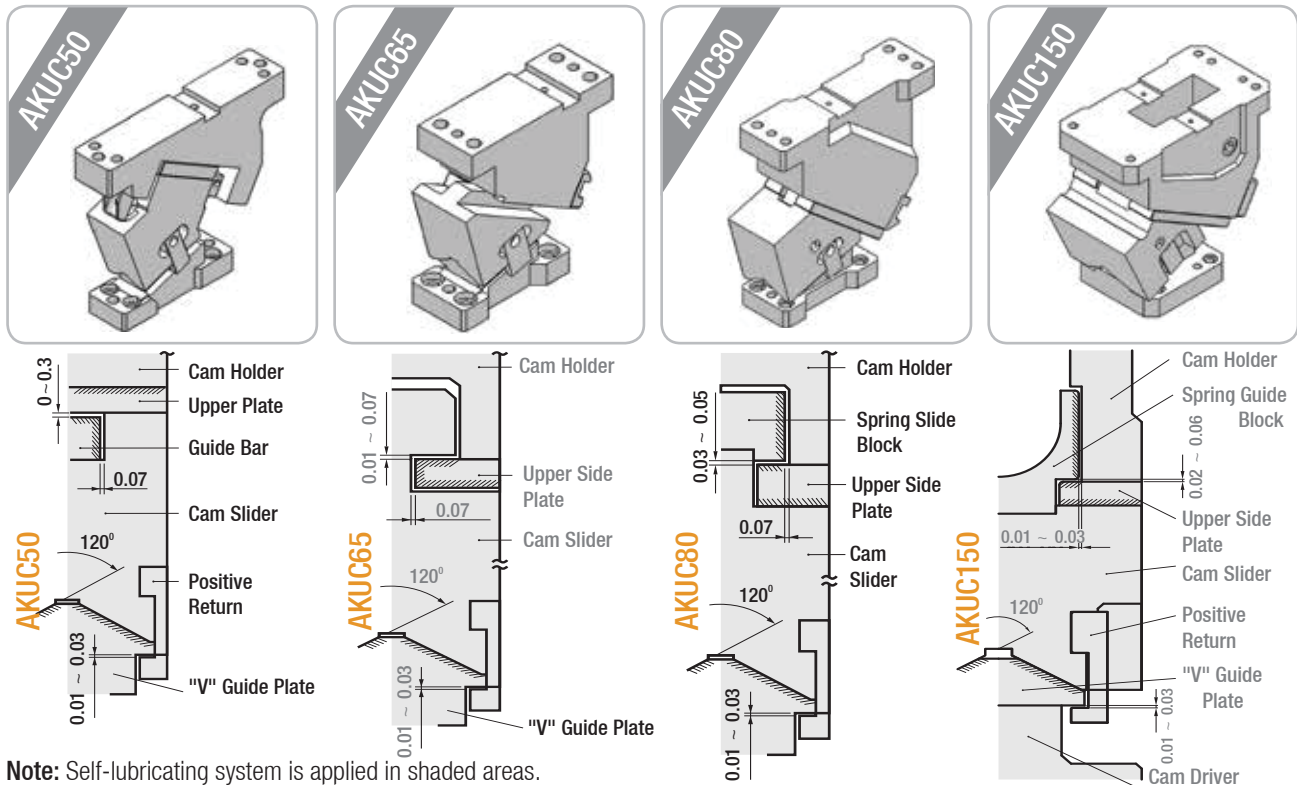
Cams with mono block steel casing, of which friction surfaces (lower casing and driver) are applied heat treatment. It has a feature to be used in die 400 - 650 grade and over. They work efficiently in performance 1.5 - 2 times better than load values specified in catalogue in proportion to the normal cast type cams and they give better results in high quantity productions (150.00 - 200.00 pieces / year).

If periodic maintenance, cleaning and lubrication is done, cams can press 1.000.000 pieces and over.

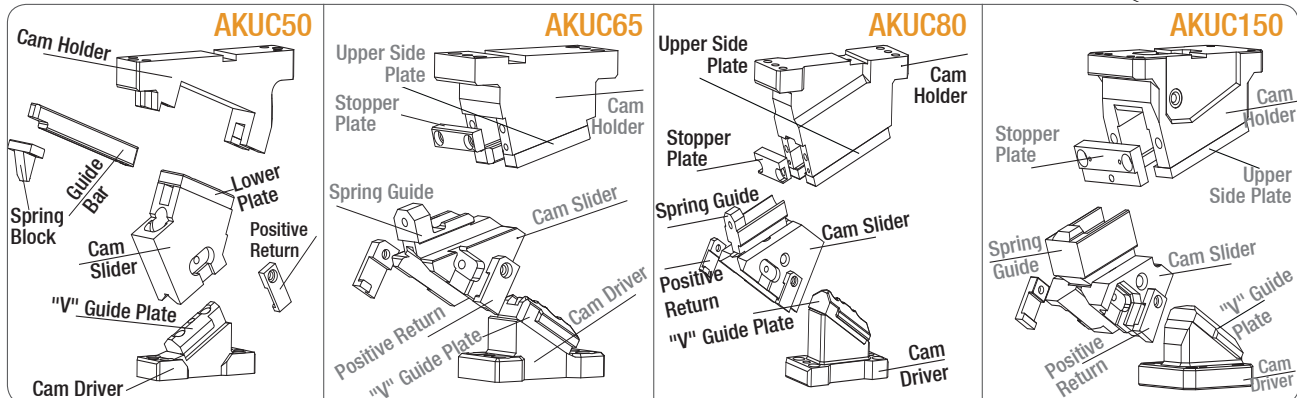


# Aerial Cam Unit

Code: AKUC



Note: Self-lubricating system is applied in shaded areas.



## AKUC50

Order	Angle	Travel
AKUC 50 00	00	30.2
AKUC 50 05	05	30.5
AKUC 50 10	10	30.3
AKUC 50 15	15	30.5
AKUC 50 20	20	30.4
AKUC 50 25	25	30.0
AKUC 50 30	30	32.0
AKUC 50 35	35	35.4
AKUC 50 40	40	38.6
AKUC 50 45	45	42.3
AKUC 50 50	50	46.7
AKUC 50 55	55	52.1
AKUC 50 60	60	59.1
AKUC 50 65	65	58.3
AKUC 50 70	70	57.6

## AKUC65

Order	Angle	Travel
AKUC 65 00	00	15
AKUC 65 05	05	15.1
AKUC 65 10	10	15.2
AKUC 65 15	15	15.5
AKUC 65 20	20	16.5
AKUC 65 25	25	17.1
AKUC 65 30	30	18.5
AKUC 65 35	35	19.6
AKUC 65 40	40	21.5
AKUC 65 45	45	23.3
AKUC 65 50	50	26.5
AKUC 65 55	55	29.7
AKUC 65 60	60	35.0
AKUC 65 65	65	41.3
AKUC 65 70	70	51.1

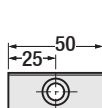
## AKUC80

Order	Angle	Travel
AKUC 80 00	00	32.1
AKUC 80 05	05	38.4
AKUC 80 10	10	38.9
AKUC 80 15	15	39.7
AKUC 80 20	20	46.1
AKUC 80 25	25	47.8
AKUC 80 30	30	54.3
AKUC 80 35	35	57.4
AKUC 80 40	40	64.3
AKUC 80 45	45	69.6
AKUC 80 50	50	77.8
AKUC 80 55	55	87.2
AKUC 80 60	60	98.5
AKUC 80 65	65	81.6
AKUC 80 70	70	86.4

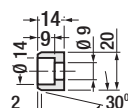
## AKUC150

Order	Angle	Travel
AKUC 150 00	00	32.1
AKUC 150 05	05	32.3
AKUC 150 10	10	38.9
AKUC 150 15	15	39.7
AKUC 150 20	20	46.1
AKUC 150 25	25	47.8
AKUC 150 30	30	54.3
AKUC 150 35	35	57.4
AKUC 150 40	40	64.3
AKUC 150 45	45	69.6
AKUC 150 50	50	77.8
AKUC 150 55	55	87.2
AKUC 150 60	60	98.5
AKUC 150 65	65	93.2
AKUC 150 70	70	86.4

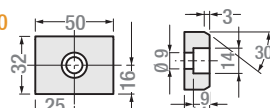
Key / Lock Systems:



AKUC50  
AKUC65



AKUC80



AKUC150

