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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). Cam Unit Nominal * To maintain repeated operation of cam unit, it should be secured to the die robustly. Code Size * Steel or die gas spring used at cam units are nnsured to bring cam to same starting point at every turn at returns. 52 * 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. 65 * In case of replacement of worn plates, you should be sure that all and centering elements are in their right position. DK * If necessary, technical setting should be remade and fixed. 100 Die Mounted * For technical service, you can contact with our company. Cam Units 150 ~ 300 Cam Units Group and Types: 400 ~ 600 **Cam Definition 1- Die Mounted Cams** 2 - Angular Cams 65 DAK Cam Driver **Cam Driver** 100 Angular Cam Driver **Cam Slider** Cam Units 150 **Cam Slider** AKSD 52 Cam Slider AKSCD 52 AKHTF 65 Cam Holder Cam Holder 50 Cam Holder **AKUC** 65 Aerial 80 3 - Aerial Cams 4 - Roller Cams 5 - Jointed Cams Cam Units Cam 150 Drive Cam Driver Cam Driver 65 Cam AKSUK 100 Slide **Cam Slider** 200 С **Cam Holder** AKBK 65 ~ 200 \cap 50 Cam \cap AKUG 65 Holde **Cam Holder** Aerial 80 ~ 200 Cam Units Cam products selection: You can select cam products from our catalogue according to the feature of sheet metal used in 300 your dies in production and load calculations or you can use our technical support service for this matter. AKUSL 500 ~ 1000 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 70 customized according to the operation conditions they will be used. In such cases, if you contact us about product selection **AKUNR** or design, we can offer solutions for you. 80 Cast casing cam type (DK02): Standard (delivery from stock). 165 ~ 400 GGG60 cast casing cam units. There are 2 models: Heat-treated and non-heat-treated cams. 52 Standard series is non-heat-treated. Heat-treated cams: Are produced from hardenable AKCD steel cast. These are cams of which friction surfaces (cam holder - slider) are 90 heat-treated. 300 - 500 grade is suitable for sheet metals press. 50 Steel casing cam type (DK01) : Order as per request. AKKP 80 Cams with mono block steel casing, of which friction surfaces (lower casing and driver) are applied heat 200 ~ 300 treatment. It has a feature to be used in die AKKSL 500 ~ 1000 400 - 650 grade and over. They work efficiently in 60 ~ 110 performance 1.5 - 2 times better than load values **AKUSV** specified in catalogue in proportion to the normal cast 165 ~ 400 type cams and they give better results in high quantity RK productions (150.00 - 200.00 pieces / year). $01 \sim 03$ In Steel Casing Cam Unit:

94

MK

01 ~ 02

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Heat treatment is applied in

shaded areas (HRC 45-55).

If periodic maintenance, cleaning and lubrication is

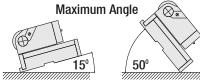
done, cams can press 1.000.000 pieces and over.

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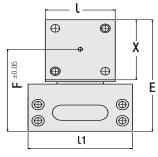


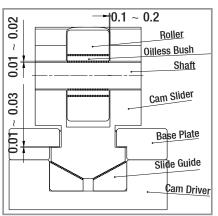
Roller Cam Unit



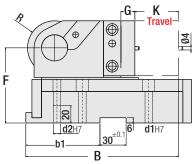


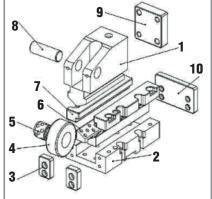




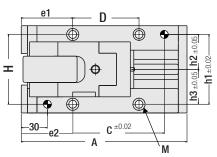








nents	Part No.	Description	Material						
of Components	6	Slide Guide	SAE 430B						
	7	Base Plate	SAE 430B						
of	8	Shaft	1.7131						
able	9	Punch Plate	CK45						
Та	10	Spring Plate	CK45						



Order Codes	Punch Force Max.	Fo	Return Spring Force			Dimension / mm																		
Model / Dimension		da	AN Max.	Travel L	X	F	E	L1	Α	В	С	D	Η	G	b1	h1	h2	h3	e1	e2	М	d1	R	
RK01 3000 50	3000	300	440	50	- 63	63	06	117	7 04	190	198	56	88	79	20	75	79	<u>ى</u>	<u>ى</u>	51	67	4 x	Ø	31
RK01 3000 80	daN	350	580	80	03	03	86 11	117	/ 94	220	228	86	118	19	20		19	39.	39.	51	0/	M8	8	51
RK01 5000 50	5000 daN	300	440	50		103 140	140		190	198	56	88		20			2	2			4 1	ø		
RK01 5000 80		350	580	80	90	74	103	140	120	220	228	86	118	105		- ' -	105	52.5	52.5	51	67	4 x M8	8	36
RK01 5000 100	uan	350	580	100			120			260	268	126	158		30									
RK01 15000 50	- 15000 - daN	570	1070	50		5 90	1201			190	198	56	88		20	75	155	77.5	77.5			4 x M8		
RK01 15000 80		500	870	80	-			165	170	220	228	86	118	155						51	67			45
RK01 15000 100		500	870	100						260	268	126	158		30									
RK02 3000 50	3000 daN	300	440	50		63	117 8			200	208	56	116	82	-	90.5	82	41	41	48		4 x M8	Ø 8	
RK02 3000 80		300		80	68			86	100	230	238	86	146								76			31
RK02 3000 100		350	580	100						260	258	106	166											
RK02 5000 50	5000 daN	300 350	440	50		74	140	0103		200	208	59	116	102		5					73	4 x M8	Ø 8	36
RK02 5000 80				80	88				3120	230	238	89	146			90.1	102	51	51	48				
RK02 5000 100			580	100						260	258	109	166											
RK02 15000 50	15000 daN	570	1070	50		2 92	165			220	216	47	123	150	-							4 x M10	Ø 10	45
RK02 15000 80				80	132			120	170	250	246	77	153			6.5	150	75	75	50	88			
RK02 15000 100	uan	500	870	100						270	266	97	173			6								
RK02 20000 50	20000 daN	750		50		5110	0 150	0205		250	258	67	143	222	-	102	222	111	111			4 x M12	Ø 12	
RK02 20000 80			1490	80	196				240	280	288	97	173							52	90			55
RK02 20000 100	uan			100						300	308	117	193						Ì					
RK03 2000 22	2000 daN	200	460	22	50	50	63	85	75	115	103	30	50	63	15	65	63	31.5	.5	<u>ى</u>	43	4 x		23
RK03 2000 35			460	35	50			80	15	136	137	51	71						31.	32.	43	M6		23
RK03 3000 50	3000 daN	300	450	50			86 1 1101	117		190	167	134	76	80	16				40	59		4 x M8		
RK03 3000 80		350	580	80	63			117	100	220	227	164	106			85	80	40			-			31
RK03 3000 100	uan			100				0141		260	287	204	146											
RK03 5000 50	5000	300	440	50	90	74 1	102	140	130	190	167	134	76	110	16	85	110	55	5	59		4 x		36
RK03 5000 80	daN	350	580	80	90		103	140		220	227	164	106			õ	110	വ	2	59	-	M8		30

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