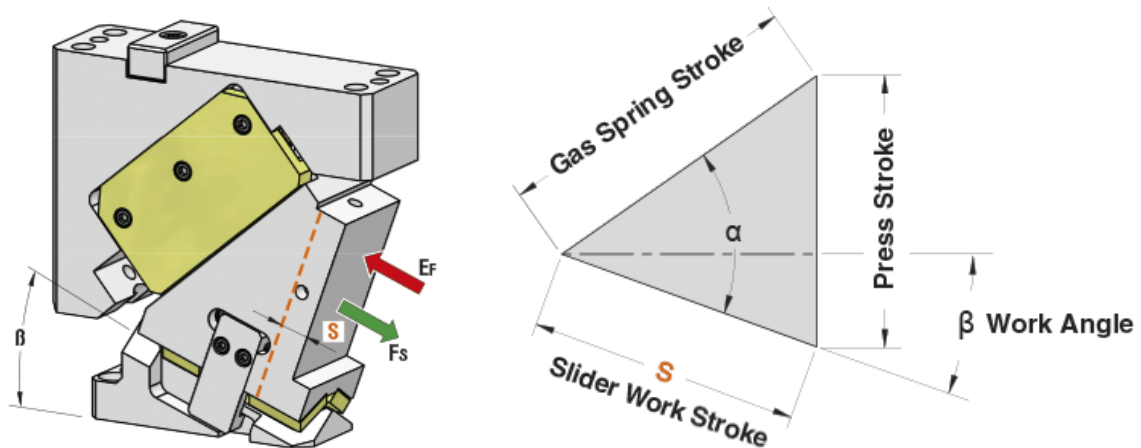


1. CAM DIAGRAM



OMCR CODE	Work Angle β	Slider Work Stroke S (mm)	Press Stroke (mm)	Gas Spring Stroke (mm)	$\alpha - \beta$	α
CHV060.00	0°	19,28	22,98	30	50°	50°
CHV060.05	5°	21,29	23,07	30	45°	50°
CHV060.10	10°	21,54	24,95	30	45°	55°
CHV060.15	15°	23,79	25,44	30	40°	55°
CHV060.20	20°	24,46	27,65	30	40°	60°
CHV060.25	25°	27,12	28,67	30	35°	60°
CHV060.30	30°	30,00	30,00	30	30°	60°
CHV060.35	35°	31,72	33,19	30	30°	65°
CHV060.40	40°	35,49	35,49	30	25°	65°
CHV060.45	45°	38,45	39,87	30	25°	70°
CHV060.50	50°	43,86	43,86	30	20°	70°
CHV060.55	55°	49,15	50,52	30	20°	75°
CHV060.60	60°	57,96	57,96	30	15°	75°
CHV060.65	65°	68,57	69,91	30	15°	80°
CHV060.70	70°	70,60	72,82	25	15°	85°
CHV060.75	75°	76,10	76,98	20	10°	85°



2. WORK FORCE DISTRIBUTION (kN) FOR 1 MILLION CYCLES

The following diagrams illustrate the maximum possible ranges of camforce applicable in several portions of the work area but always working in the exact direction of slider work stroke. If several forces are applied simultaneously on the work area, their common center has to be specified and compared with the tabular infos. The sum of all forces has to be lower than the corresponding tabular value.

F_s

Max Work Force with shoulder

F_k

Max Work Force with fitting keys

Assembly with shoulder

		WIDTH		
		20	20	20
$\beta=0^\circ$		20	20	20
HEIGHT	20	21	82	21
	20	28	109	28
	20	34	136	34
	20	27	109	27
	20	21	76	21

Assembly with fitting keys

		WIDTH		
		20	20	20
$\beta=0^\circ$		20	20	20
HEIGHT	20	12	58	12
	20	17	77	17
	20	21	96	21
	20	16	76	16
	20	12	53	12

		WIDTH		
		20	20	20
$\beta=5^\circ$		20	20	20
HEIGHT	20	23	84	23
	20	30	111	30
	20	37	137	37
	20	30	110	30
	20	23	83	23

		WIDTH		
		20	20	20
$\beta=5^\circ$		20	20	20
HEIGHT	20	14	59	14
	20	18	77	18
	20	22	96	22
	20	18	77	18
	20	14	58	14

		WIDTH		
		20	20	20
$\beta=10^\circ$		20	20	20
HEIGHT	20	25	85	25
	20	32	112	32
	20	40	138	40
	20	32	111	32
	20	25	84	25

		WIDTH		
		20	20	20
$\beta=10^\circ$		20	20	20
HEIGHT	20	15	60	15
	20	19	78	19
	20	24	97	24
	20	19	78	19
	20	15	59	15



Assembly with shoulder

Assembly with fitting keys

		WIDTH		
		20	20	20
$\beta=15^\circ$		20	20	20
HEIGHT	20	27	87	27
	20	35	113	35
	20	43	139	43
	20	35	113	35
	20	27	85	27

		WIDTH		
		20	20	20
$\beta=15^\circ$		20	20	20
HEIGHT	20	16	61	16
	20	21	79	21
	20	26	98	26
	20	21	79	21
	20	16	60	16

		WIDTH		
		20	20	20
$\beta=20^\circ$		20	20	20
HEIGHT	20	29	88	29
	20	37	114	37
	20	46	140	46
	20	37	114	37
	20	29	87	29

		WIDTH		
		20	20	20
$\beta=20^\circ$		20	20	20
HEIGHT	20	17	62	17
	20	22	80	22
	20	27	98	27
	20	22	80	22
	20	17	61	17

		WIDTH		
		20	20	20
25°		20	20	20
HEIGHT	20	31	90	31
	20	40	116	40
	20	49	141	49
	20	40	115	40
	20	31	88	31

		WIDTH		
		20	20	20
25°		20	20	20
HEIGHT	20	19	63	19
	20	24	81	24
	20	29	99	29
	20	24	80	24
	20	18	61	18

		WIDTH		
		20	20	20
$\beta=30^\circ$		20	20	20
HEIGHT	20	33	91	33
	20	42	117	42
	20	52	142	52
	20	42	116	42
	20	33	89	33

		WIDTH		
		20	20	20
$\beta=30^\circ$		20	20	20
HEIGHT	20	20	64	20
	20	25	82	25
	20	31	100	31
	20	25	81	25
	20	20	62	20



Assembly with shoulder

Assembly with fitting keys

		WIDTH		
		20	20	20
$\beta=35^\circ$		20	20	20
HEIGHT	20	35	93	35
	20	45	118	45
	20	54	143	54
	20	45	117	45
	20	35	91	35

		WIDTH		
		20	20	20
$\beta=35^\circ$		20	20	20
HEIGHT	20	21	65	21
	20	27	83	27
	20	33	100	33
	20	27	82	27
	20	21	64	21

		WIDTH		
		20	20	20
$\beta=40^\circ$		20	20	20
HEIGHT	20	34	89	34
	20	45	116	45
	20	56	143	56
	20	46	117	46
	20	35	91	35

		WIDTH		
		20	20	20
$\beta=40^\circ$		20	20	20
HEIGHT	20	22	65	22
	20	28	85	28
	20	35	105	35
	20	29	86	29
	20	22	67	22

		WIDTH		
		20	20	20
$\beta=45^\circ$		20	20	20
HEIGHT	20	33	84	33
	20	45	113	45
	20	57	143	57
	20	47	117	47
	20	36	90	36

		WIDTH		
		20	20	20
$\beta=45^\circ$		20	20	20
HEIGHT	20	21	62	21
	20	28	84	28
	20	36	105	36
	20	29	86	29
	20	23	67	23



Assembly with shoulder

Assembly with fitting keys

		WIDTH		
		20	20	20
$\beta=50^\circ$		20	20	20
HEIGHT	20	32	80	32
	20	45	111	45
	20	58	142	58
	20	48	116	48
	20	37	90	37

		WIDTH		
		20	20	20
$\beta=50^\circ$		20	20	20
HEIGHT	20	20	59	20
	20	29	82	29
	20	37	105	37
	20	30	86	30
	20	23	66	23

		WIDTH		
		20	20	20
$\beta=55^\circ$		20	20	20
HEIGHT	20	31	75	31
	20	45	109	45
	20	60	142	60
	20	49	116	49
	20	37	90	37

		WIDTH		
		20	20	20
$\beta=55^\circ$		20	20	20
HEIGHT	20	20	64	20
	20	29	92	29
	20	38	121	38
	20	31	98	31
	20	24	76	24

		WIDTH		
		20	20	20
$\beta=60^\circ$		20	20	20
HEIGHT	20	30	71	30
	20	45	106	45
	20	61	142	61
	20	50	115	50
	20	38	89	38

		WIDTH		
		20	20	20
$\beta=60^\circ$		20	20	20
HEIGHT	20	19	60	19
	20	29	91	29
	20	38	121	38
	20	31	98	31
	20	24	76	24



Assembly with shoulder

Assembly with fitting keys

		WIDTH		
		20	20	20
$\beta=65^\circ$		20	20	20
HEIGHT	20	29	67	29
	20	45	104	45
	20	62	142	62
	20	51	115	51
	20	39	89	39

		WIDTH		
		20	20	20
$\beta=65^\circ$		20	20	20
HEIGHT	20	19	62	19
	20	30	97	30
	20	41	132	41
	20	34	107	34
	20	26	82	26

		WIDTH		
		20	20	20
$\beta=70^\circ$		20	20	20
HEIGHT	20	28	62	28
	20	46	102	46
	20	64	141	64
	20	52	115	52
	20	40	88	40

		WIDTH		
		20	20	20
$\beta=70^\circ$		20	20	20
HEIGHT	20	18	62	18
	20	30	102	30
	20	42	141	42
	20	34	115	34
	20	26	88	26

		WIDTH		
		20	20	20
$\beta=75^\circ$		20	20	20
HEIGHT	20	27	58	27
	20	46	100	46
	20	65	141	65
	20	53	114	53
	20	40	88	40

		WIDTH		
		20	20	20
$\beta=75^\circ$		20	20	20
HEIGHT	20	18	58	18
	20	30	100	30
	20	43	141	43
	20	35	114	35
	20	27	88	27