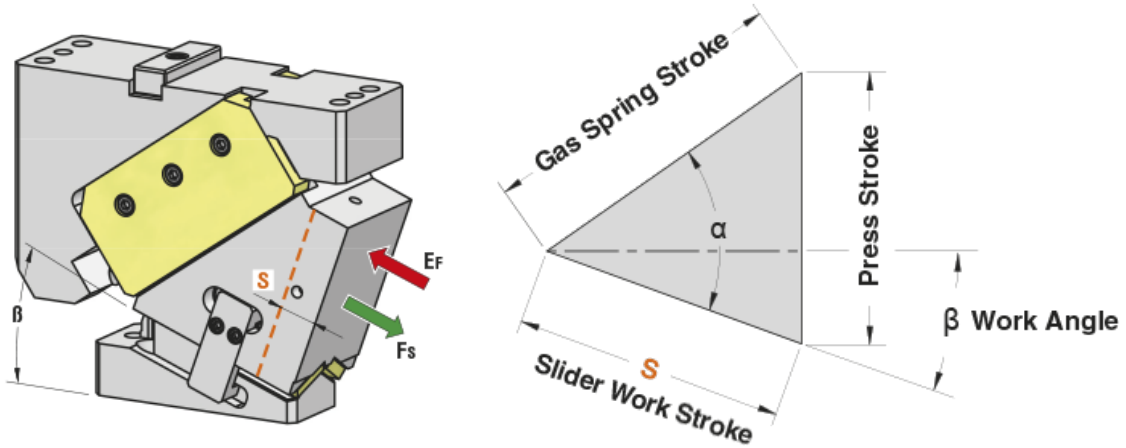




1. CAM DIAGRAM



OMCR CODE	Work Angle β	Slider Work Stroke S (mm)	Press Stroke (mm)	Gas Spring Stroke (mm)	$\alpha - \beta$	α
CHV085.00	0°	30,85	36,77	48	50°	50°
CHV085.05	5°	34,07	36,91	48	45°	50°
CHV085.10	10°	34,46	39,93	48	45°	55°
CHV085.15	15°	38,07	40,71	48	40°	55°
CHV085.20	20°	41,84	41,84	48	35°	55°
CHV085.25	25°	43,38	45,87	48	35°	60°
CHV085.30	30°	48,00	48,00	48	30°	60°
CHV085.35	35°	50,75	53,11	48	30°	65°
CHV085.40	40°	56,79	56,79	48	25°	65°
CHV085.45	45°	42,30	43,85	33	25°	70°
CHV085.50	50°	48,24	48,24	33	20°	70°
CHV085.55	55°	54,06	55,57	33	20°	75°
CHV085.60	60°	63,75	63,75	33	15°	75°
CHV085.65	65°	75,42	76,90	33	15°	80°
CHV085.70	70°	95,02	95,02	33	10°	80°
CHV085.75	75°	95,13	96,23	25	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		
		32,5	20	32,5
$\beta=0^\circ$		32,5	20	32,5
HEIGHT	20	49	129	49
	20	69	180	69
	20	88	230	88
	20	63	165	63
	20	38	99	38

Assembly with fitting keys

		WIDTH		
		32,5	20	32,5
$\beta=0^\circ$		32,5	20	32,5
HEIGHT	20	30	90	30
	20	41	126	41
	20	53	161	53
	20	38	115	38
	20	23	69	23

		WIDTH		
		32,5	20	32,5
$\beta=5^\circ$		32,5	20	32,5
HEIGHT	20	49	128	49
	20	68	179	68
	20	88	230	88
	20	63	166	63
	20	39	101	39

		WIDTH		
		32,5	20	32,5
$\beta=5^\circ$		32,5	20	32,5
HEIGHT	20	29	89	29
	20	41	125	41
	20	53	161	53
	20	38	116	38
	20	23	71	23

		WIDTH		
		32,5	20	32,5
$\beta=10^\circ$		32,5	20	32,5
HEIGHT	20	48	127	48
	20	68	178	68
	20	87	230	87
	20	63	167	63
	20	40	104	40

		WIDTH		
		32,5	20	32,5
$\beta=10^\circ$		32,5	20	32,5
HEIGHT	20	29	89	29
	20	41	125	41
	20	52	161	52
	20	38	117	38
	20	24	72	24



Assembly with shoulder

		WIDTH		
		32,5	20	32,5
$\beta=15^\circ$		32,5	20	32,5
HEIGHT	20	47	126	47
	20	67	178	67
	20	87	230	87
	20	64	168	64
	20	40	106	40

Assembly with fitting keys

		WIDTH		
		32,5	20	32,5
$\beta=15^\circ$		32,5	20	32,5
HEIGHT	20	28	88	28
	20	40	124	40
	20	52	161	52
	20	38	118	38
	20	24	74	24
	20	24	74	24

		WIDTH		
		32,5	20	32,5
$\beta=20^\circ$		32,5	20	32,5
HEIGHT	20	47	125	47
	20	67	177	67
	20	86	230	86
	20	64	170	64
	20	41	108	41

		WIDTH		
		32,5	20	32,5
$\beta=20^\circ$		32,5	20	32,5
HEIGHT	20	28	87	28
	20	40	124	40
	20	52	161	52
	20	38	119	38
	20	25	76	25
	20	25	76	25

		WIDTH		
		32,5	20	32,5
$\beta=25^\circ$		32,5	20	32,5
HEIGHT	20	46	123	46
	20	66	176	66
	20	86	229	86
	20	64	171	64
	20	42	111	42

		WIDTH		
		32,5	20	32,5
$\beta=25^\circ$		32,5	20	32,5
HEIGHT	20	28	86	28
	20	40	124	40
	20	52	161	52
	20	38	120	38
	20	25	77	25
	20	25	77	25

		WIDTH		
		32,5	20	32,5
$\beta=30^\circ$		32,5	20	32,5
HEIGHT	20	46	122	46
	20	66	176	66
	20	85	229	85
	20	64	172	64
	20	43	113	43

		WIDTH		
		32,5	20	32,5
$\beta=30^\circ$		32,5	20	32,5
HEIGHT	20	27	86	27
	20	39	123	39
	20	51	160	51
	20	38	120	38
	20	26	79	26
	20	26	79	26



Assembly with shoulder

		WIDTH		
		32,5	20	32,5
$\beta=35^\circ$				
HEIGHT	20	45	121	45
	20	65	175	65
	20	85	229	85
	20	64	173	64
	20	44	118	44

Assembly with fitting keys

		WIDTH		
		32,5	20	32,5
$\beta=35^\circ$				
HEIGHT	20	27	85	27
	20	39	123	39
	20	51	160	51
	20	39	121	39
	20	26	82	26
	20	26	82	26

		WIDTH		
		32,5	20	32,5
$\beta=40^\circ$				
HEIGHT	20	43	119	43
	20	63	178	63
	20	84	237	84
	20	63	178	63
	20	42	119	42

		WIDTH		
		32,5	20	32,5
$\beta=40^\circ$				
HEIGHT	20	27	88	27
	20	40	131	40
	20	53	175	53
	20	40	131	40
	20	27	88	27
	20	27	88	27

		WIDTH		
		32,5	20	32,5
$\beta=45^\circ$				
HEIGHT	20	40	116	40
	20	61	181	61
	20	82	245	82
	20	62	183	62
	20	41	121	41

		WIDTH		
		32,5	20	32,5
$\beta=45^\circ$				
HEIGHT	20	25	86	25
	20	39	133	39
	20	52	181	52
	20	39	135	39
	20	26	89	26
	20	26	89	26

		WIDTH		
		32,5	20	32,5
$\beta=50^\circ$				
HEIGHT	20	38	114	38
	20	60	183	60
	20	81	253	81
	20	61	188	61
	20	40	123	40

		WIDTH		
		32,5	20	32,5
$\beta=50^\circ$				
HEIGHT	20	24	84	24
	20	38	135	38
	20	51	187	51
	20	38	139	38
	20	25	91	25
	20	25	91	25



Assembly with shoulder

		WIDTH		
		32,5	20	32,5
$\beta=55^\circ$				
HEIGHT	20	35	111	35
	20	58	186	58
	20	80	261	80
	20	59	193	59
	20	39	125	39

Assembly with fitting keys

		WIDTH		
		32,5	20	32,5
$\beta=55^\circ$				
HEIGHT	20	22	94	22
	20	36	158	36
	20	51	222	51
	20	37	164	37
	20	24	106	24
	20	24	106	24

		WIDTH		
		32,5	20	32,5
$\beta=60^\circ$				
HEIGHT	20	33	108	33
	20	56	189	56
	20	79	269	79
	20	58	198	58
	20	37	126	37

		WIDTH		
		32,5	20	32,5
$\beta=60^\circ$				
HEIGHT	20	21	92	21
	20	35	160	35
	20	50	229	50
	20	37	168	37
	20	24	107	24
	20	24	107	24

		WIDTH		
		32,5	20	32,5
$\beta=65^\circ$				
HEIGHT	20	31	106	31
	20	54	192	54
	20	77	277	77
	20	57	203	57
	20	36	128	36

		WIDTH		
		32,5	20	32,5
$\beta=65^\circ$				
HEIGHT	20	20	98	20
	20	36	178	36
	20	52	258	52
	20	38	189	38
	20	24	119	24
	20	24	119	24

		WIDTH		
		32,5	20	32,5
$\beta=70^\circ$				
HEIGHT	20	28	103	28
	20	52	194	52
	20	76	285	76
	20	56	208	56
	20	35	130	35

		WIDTH		
		32,5	20	32,5
$\beta=70^\circ$				
HEIGHT	20	19	103	19
	20	35	194	35
	20	51	285	51
	20	37	208	37
	20	23	130	23
	20	23	130	23



Assembly with shoulder

		WIDTH		
		32,5	20	32,5
$\beta=75^\circ$				
HEIGHT	20	26	101	26
	20	50	197	50
	20	75	293	75
	20	54	212	54
	20	34	132	34
	20	34	132	34

Assembly with fitting keys

		WIDTH		
		32,5	20	32,5
$\beta=75^\circ$				
HEIGHT	20	17	101	17
	20	34	197	34
	20	50	293	50
	20	36	212	36
	20	22	132	22
	20	22	132	22