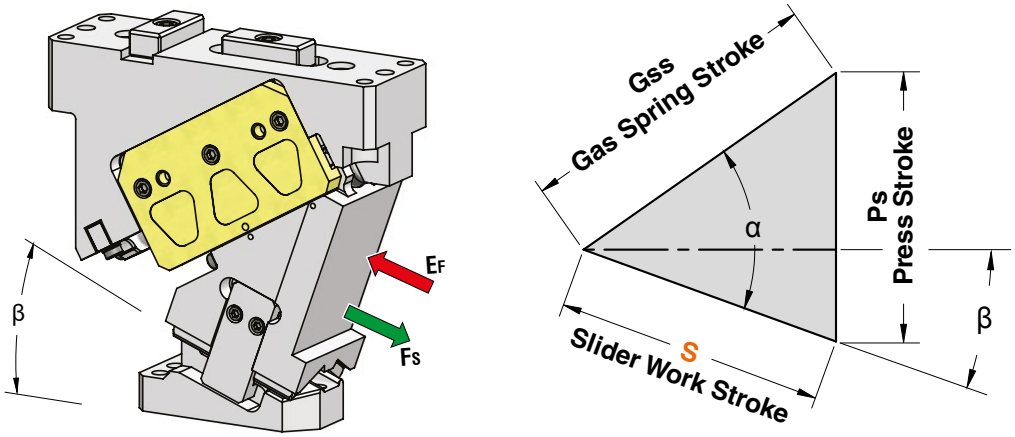
1. CAM DIAGRAM



OMCR CODE	Work Angle β	Slider Work Stroke S (mm)	Press Stroke (mm)	Gas Spring Stroke (mm)	α - β	α
CHW065.00	0°	28,9	34,5	45	50°	50°
CHW065.05	5°	31,9	34,5	45	45°	50°
CHW065.10	10°	35	35	45	40°	50°
CHW065.15	15°	38,16	35,69	45	35°	50°
CHW065.20	20°	41,47	36,68	45	30°	50°
CHW065.25	25°	45	38	45	25°	50°
CHW065.30	30°	48,83	39,8	45	20°	50°
CHW065.35	35°	53,06	42,08	45	15°	50°
CHW065.40	40°	57,85	45	45	10°	50°
CHW065.45	45°	63,4	48,75	45	5°	50°
CHW065.50	50°	46,6	35,75	30	0°	50°
CHW065.55	55°	52,3	42,85	30	0°	55°
CHW065.60	60°	46	39,8	23	0°	60°
CHW065.65	65°	54,4	49,3	23	0°	65°
CHW065.70	70°	39,5	37	13,5	0°	70°
CHW065.75	75°	52,16	50,4	13,5	0°	75°

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

The following diagrams illustrate the maximum possible ranges of camforce appliable 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

β=0°		WIDTH		
		20	25	20
HEIGHT	18	56	121	56
	18	78	170	78
	18	101	210	101
	18	77	169	77
	18	53	118	53

β=5°		WIDTH		
		20	25	20
HEIGHT	18	58	172	58
	18	80	184	80
	18	103	212	103
	18	79	196	79
	18	55	185	55

β=10°		WIDTH		
		20	25	20
HEIGHT	18	58	172	58
	18	80	184	80
	18	103	214	103
	18	79	196	79
	18	55	185	55

Assembly with fitting keys

β=0°		WIDTH		
		20	25	20
HEIGHT	18	39	85	39
	18	55	119	55
	18	71	147	71
	18	54	118	54
	18	37	83	37

β=5°		WIDTH		
		20	25	20
HEIGHT	18	41	120	41
	18	56	129	56
	18	72	148	72
	18	55	137	55
	18	39	130	39

β=10°		WIDTH		
		20	25	20
HEIGHT	18	41	120	41
	18	56	129	56
	18	72	150	72
	18	55	137	55
	18	39	130	39

Assembly with shoulder

β=15°		WIDTH		
		20	25	20
HEIGHT	18	62	172	62
	18	84	184	84
	18	107	214	107
	18	83	196	83
	18	60	185	60

β=20°		WIDTH		
		20	25	20
HEIGHT	18	64	172	64
	18	86	184	86
	18	109	216	109
	18	85	196	85
	18	62	185	62

β=25°		WIDTH		
		20	25	20
HEIGHT	18	66	172	66
	18	88	184	88
	18	111	216	111
	18	88	196	88
	18	64	185	64

β=30°		WIDTH		
		20	25	20
HEIGHT	18	63	172	63
	18	84	184	84
	18	113	218	113
	18	90	193	90
	18	67	182	67

Assembly with fitting keys

β=15°		WIDTH		
		20	25	20
HEIGHT	18	43	120	43
	18	59	129	59
	18	75	150	75
	18	58	137	58
	18	42	130	42

β=20°		WIDTH		
		20	25	20
HEIGHT	18	45	120	45
	18	60	129	60
	18	76	151	76
	18	60	137	60
	18	43	130	43

β=25°		WIDTH		
		20	25	20
HEIGHT	18	46	120	46
	18	62	129	62
	18	78	151	78
	18	62	137	62
	18	45	130	45

β=30°		WIDTH		
		20	25	20
HEIGHT	18	44	120	44
	18	59	129	59
	18	79	153	79
	18	63	135	63
	18	47	127	47

Assembly with shoulder

β=35°		WIDTH		
		20	25	20
HEIGHT	18	59	172	59
	18	82	184	82
	18	115	218	115
	18	92	193	92
	18	69	182	69

β=40°		WIDTH		
		20	25	20
HEIGHT	18	57	172	57
	18	78	184	78
	18	113	220	113
	18	89	193	89
	18	67	182	67

β=45°		WIDTH		
		20	25	20
HEIGHT	18	55	172	55
	18	74	184	74
	18	110	222	110
	18	86	193	86
	18	65	182	65

Assembly with fitting keys

β=35°		WIDTH		
		20	25	20
HEIGHT	18	41	120	41
	18	57	129	57
	18	81	153	81
	18	64	135	64
	18	48	127	48

β=40°		WIDTH		
		20	25	20
HEIGHT	18	40	120	40
	18	55	129	55
	18	79	154	79
	18	62	135	62
	18	47	127	47

β=45°		WIDTH		
		20	25	20
HEIGHT	18	39	120	39
	18	52	129	52
	18	77	155	77
	18	60	135	60
	18	46	127	46

Assembly with shoulder

β=50°		WIDTH		
		20	25	20
HEIGHT	18	47	102	47
	18	77	168	77
	18	107	222	107
	18	89	189	89
	18	71	178	71

β=55°		WIDTH		
		20	25	20
HEIGHT	18	45	100	45
	18	74	168	74
	18	102	224	102
	18	86	193	86
	18	69	179	69

β=60°		WIDTH		
		20	25	20
HEIGHT	18	42	98	42
	18	71	167	71
	18	98	226	98
	18	82	191	82
	18	67	177	67

Assembly with fitting keys

β=50°		WIDTH		
		20	25	20
HEIGHT	18	33	71	33
	18	54	118	54
	18	75	155	75
	18	62	132	62
	18	50	125	50

β=55°		WIDTH		
		20	25	20
HEIGHT	18	32	85	32
	18	52	143	52
	18	71	190	71
	18	60	164	60
	18	48	152	48

β=60°		WIDTH		
		20	25	20
HEIGHT	18	29	83	29
	18	50	142	50
	18	69	192	69
	18	57	162	57
	18	47	150	47

Assembly with shoulder

β=65°		WIDTH		
		20	25	20
HEIGHT	18	39	96	39
	18	69	167	69
	18	95	228	95
	18	79	191	79
	18	65	175	65

β=70°		WIDTH		
		20	25	20
HEIGHT	18	36	95	36
	18	65	165	65
	18	90	230	90
	18	74	189	74
	18	63	172	63

β=75°		WIDTH		
		20	25	20
HEIGHT	18	34	93	34
	18	61	165	61
	18	103	230	103
	18	91	204	91
	18	79	172	79

Assembly with fitting keys

β=65°		WIDTH		
		20	25	20
HEIGHT	18	27	86	27
	18	48	150	48
	18	67	205	67
	18	55	172	55
	18	46	158	46

β=70°		WIDTH		
		20	25	20
HEIGHT	18	25	95	25
	18	46	165	46
	18	63	230	63
	18	52	189	52
	18	44	172	44

β=75°		WIDTH		
		20	25	20
HEIGHT	18	24	93	24
	18	43	165	43
	18	72	230	72
	18	64	204	64
	18	55	172	55