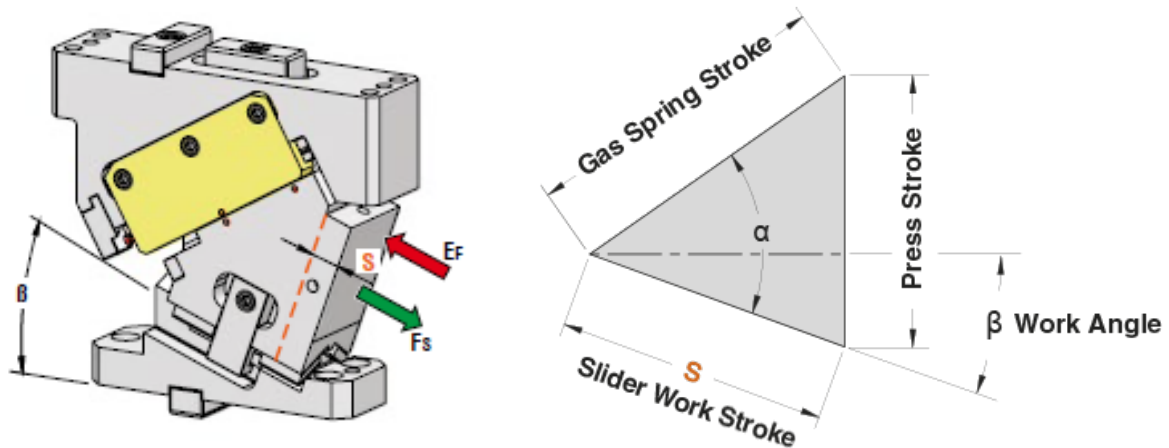


1. CAM DIAGRAM



OMCR CODE	Work Angle $\beta$	Slider Work Stroke S (mm)	Press Stroke (mm)	Gas Spring Stroke (mm)	$\alpha - \beta$	$\alpha$
CHV050.00	0°	28,93	34,47	45	50°	50°
CHV050.05	5°	31,94	34,60	45	45°	50°
CHV050.10	10°	35,00	35,00	45	40°	50°
CHV050.15	15°	38,16	35,69	45	35°	50°
CHV050.20	20°	41,47	36,68	45	30°	50°
CHV050.25	25°	45,00	38,04	45	25°	50°
CHV050.30	30°	48,83	39,80	45	20°	50°
CHV050.35	35°	53,06	42,08	45	15°	50°
CHV050.40	40°	57,85	45,00	45	10°	50°
CHV050.45	45°	63,40	48,75	45	5°	50°
CHV050.50	50°	62,23	47,67	40	0°	50°
CHV050.55	55°	59,28	48,56	34	0°	55°
CHV050.60	60°	60,00	51,96	30	0°	60°
CHV050.65	65°	59,16	53,61	25	0°	65°
CHV050.70	70°	58,48	54,95	20	0°	70°
CHV050.75	75°	57,96	55,98	15	0°	75°



## 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.



Max Work Force with shoulder



Max Work Force with fitting keys

### Assembly with shoulder

		WIDTH		
		16	18	16
$\beta=0^\circ$				
HEIGHT	14	45	74	45
	14	45	83	45
	13	47	<b>92</b>	47
	14	40	89	40
	14	34	75	34

### Assembly with fitting keys

		WIDTH		
		16	18	16
$\beta=0^\circ$				
HEIGHT	14	27	51	27
	14	27	58	27
	13	28	<b>64</b>	28
	14	24	62	24
	14	20	53	20

		WIDTH		
		16	18	16
$\beta=5^\circ$				
HEIGHT	14	44	75	44
	14	46	84	46
	13	50	<b>92</b>	50
	14	43	92	43
	14	36	80	36

		WIDTH		
		16	18	16
$\beta=5^\circ$				
HEIGHT	14	27	53	27
	14	28	58	28
	13	30	<b>64</b>	30
	14	26	64	26
	14	22	56	22

		WIDTH		
		16	18	16
$\beta=10^\circ$				
HEIGHT	14	44	77	44
	14	48	84	48
	13	53	<b>92</b>	53
	14	46	91	46
	14	38	84	38

		WIDTH		
		16	18	16
$\beta=10^\circ$				
HEIGHT	14	27	54	27
	14	29	59	29
	13	32	<b>64</b>	32
	14	27	64	27
	14	23	59	23



**Assembly with shoulder**

**Assembly with fitting keys**

		WIDTH		
		16	18	16
$\beta=15^\circ$				
HEIGHT	14	44	78	44
	14	50	85	50
	13	56	<b>92</b>	56
	14	48	91	48
	14	40	89	40

		WIDTH		
		16	18	16
$\beta=15^\circ$				
HEIGHT	14	27	55	27
	14	30	60	30
	13	34	<b>64</b>	34
	14	29	64	29
	14	24	62	24

		WIDTH		
		16	18	16
$\beta=20^\circ$				
HEIGHT	14	44	80	44
	14	51	86	51
	13	59	<b>92</b>	59
	14	51	90	51
	14	42	89	42

		WIDTH		
		16	18	16
$\beta=20^\circ$				
HEIGHT	14	26	56	26
	14	31	60	31
	13	35	<b>64</b>	35
	14	30	63	30
	14	25	62	25

		WIDTH		
		16	18	16
$25^\circ$				
HEIGHT	14	44	82	44
	14	53	87	53
	13	62	<b>92</b>	62
	14	53	90	53
	14	44	88	44

		WIDTH		
		16	18	16
$25^\circ$				
HEIGHT	14	26	57	26
	14	32	61	32
	13	37	<b>64</b>	37
	14	32	63	32
	14	27	62	27

		WIDTH		
		16	18	16
$\beta=30^\circ$				
HEIGHT	14	42	80	42
	14	51	86	51
	13	60	<b>92</b>	60
	14	51	90	51
	14	43	88	43

		WIDTH		
		16	18	16
$\beta=30^\circ$				
HEIGHT	14	25	56	25
	14	30	60	30
	13	36	<b>64</b>	36
	14	31	63	31
	14	26	61	26



**Assembly with shoulder**

**Assembly with fitting keys**

		WIDTH		
		16	18	16
$\beta=35^\circ$				
HEIGHT	14	39	78	39
	14	48	85	48
	13	58	<b>92</b>	58
	14	49	89	49
	14	41	87	41

		WIDTH		
		16	18	16
$\beta=35^\circ$				
HEIGHT	14	23	55	23
	14	29	60	29
	13	35	<b>64</b>	35
	14	30	63	30
	14	25	61	25

		WIDTH		
		16	18	16
$\beta=40^\circ$				
HEIGHT	14	37	76	37
	14	46	84	46
	13	55	<b>92</b>	55
	14	48	89	48
	14	40	86	40

		WIDTH		
		16	18	16
$\beta=40^\circ$				
HEIGHT	14	22	53	22
	14	28	59	28
	13	33	<b>64</b>	33
	14	29	62	29
	14	24	60	24

		WIDTH		
		16	18	16
$\beta=45^\circ$				
HEIGHT	14	34	71	34
	14	43	84	43
	13	53	<b>92</b>	53
	14	46	89	46
	14	38	85	38

		WIDTH		
		16	18	16
$\beta=45^\circ$				
HEIGHT	14	20	50	20
	14	26	58	26
	13	32	<b>64</b>	32
	14	27	62	27
	14	23	59	23



**Assembly with shoulder**

**Assembly with fitting keys**

		WIDTH		
		16	18	16
$\beta=50^\circ$				
HEIGHT	14	32	66	32
	14	41	83	41
	13	51	<b>92</b>	51
	14	44	88	44
	14	37	81	37

		WIDTH		
		16	18	16
$\beta=50^\circ$				
HEIGHT	14	19	46	19
	14	25	58	25
	13	30	<b>64</b>	30
	14	26	62	26
	14	22	57	22

		WIDTH		
		16	18	16
$\beta=55^\circ$				
HEIGHT	15	38	79	38
	15	47	91	47
	15	57	<b>98</b>	57
	15	50	95	50
	15	43	92	43

		WIDTH		
		16	18	16
$\beta=55^\circ$				
HEIGHT	15	24	67	24
	15	30	78	30
	15	36	<b>83</b>	36
	15	31	81	31
	15	27	79	27

		WIDTH		
		16	18	16
$\beta=60^\circ$				
HEIGHT	17	38	93	38
	17	47	100	47
	17	57	<b>104</b>	57
	17	50	102	50
	17	43	100	43

		WIDTH		
		16	18	16
$\beta=60^\circ$				
HEIGHT	17	25	79	25
	17	32	85	32
	17	38	<b>88</b>	38
	17	33	87	33
	17	28	85	28



Assembly with shoulder

Assembly with fitting keys

		WIDTH		
		16	18	16
$\beta=65^\circ$				
HEIGHT	18	51	106	51
	18	60	109	60
	18	70	<b>110</b>	70
	18	62	109	62
	18	54	108	54

		WIDTH		
		16	18	16
$\beta=65^\circ$				
HEIGHT	18	36	98	36
	18	42	101	42
	18	49	<b>102</b>	49
	18	44	101	44
	18	38	100	38

		WIDTH		
		16	18	16
$\beta=70^\circ$				
HEIGHT	20	54	108	54
	20	64	109	64
	20	73	<b>110</b>	73
	20	71	109	71
	20	69	108	69

		WIDTH		
		16	18	16
$\beta=70^\circ$				
HEIGHT	20	41	108	41
	20	48	109	48
	20	55	<b>110</b>	55
	20	53	109	53
	20	52	108	52

		WIDTH		
		16	18	16
$\beta=75^\circ$				
HEIGHT	20	58	110	58
	20	67	110	67
	20	76	<b>110</b>	76
	20	80	109	80
	20	84	108	84

		WIDTH		
		16	18	16
$\beta=75^\circ$				
HEIGHT	20	47	110	47
	20	54	110	54
	20	61	<b>110</b>	61
	20	64	109	64
	20	67	108	67