OMCR
STANDARD DIE COMPONENTS

CRX05 TECHNICAL INFO

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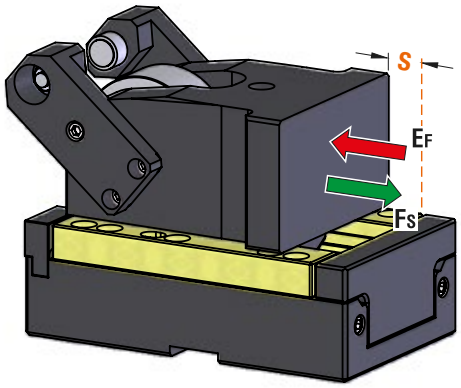
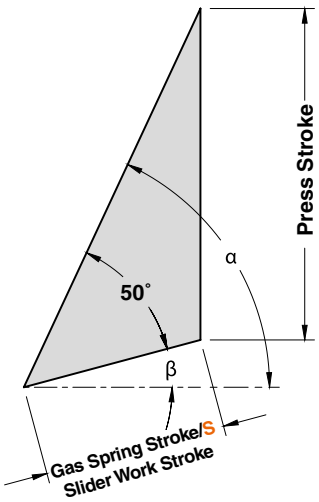
Video instructions:

- **New CRX: from Option K to Option P**
- **Gas spring removing or substitution**

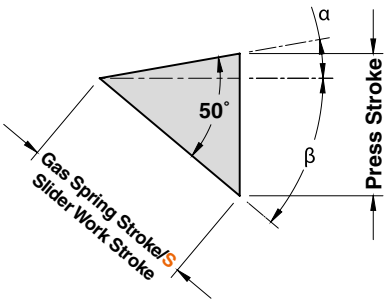
1.1 - CRX05.050



WORK ANGLE β < 0°



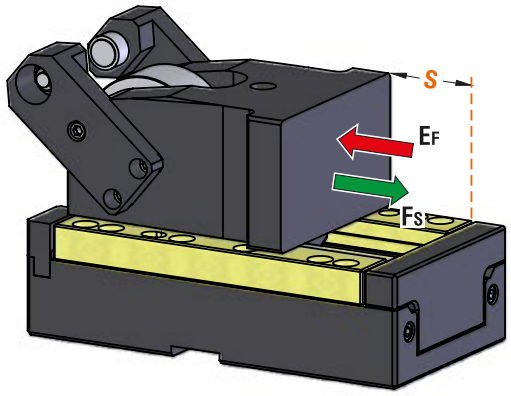
WORK ANGLE β > 0°



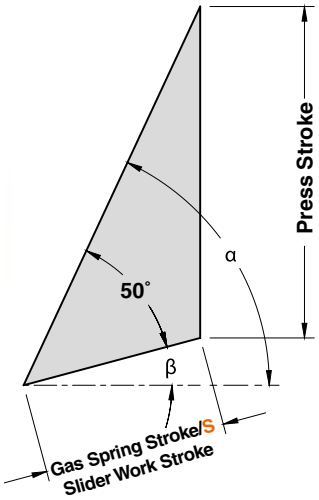
Roller Cam Driver Code	Roller Cam Code	Work Angle β	MAX Slider Work Stroke S* (mm)	Press Stroke (mm)	MAX Gas Spring Stroke* (mm)	α
DCRX0305.50.H15	CRX15.050	-15°	50	90,63	50	65°
DCRX0305.50.H10		-10°	50	76,60	50	60°
DCRX0305.50.H05		-5°	50	66,78	50	55°
DCRX0305.50.H00		0°	50	59,59	50	50°
DCRX0305.50.L05		5°	50	54,17	50	45°
DCRX0305.50.L10		10°	50	50,00	50	40°
DCRX0305.50.L15		15°	50	46,76	50	35°
DCRX0305.50.L20		20°	50	44,23	50	30°
DCRX0305.50.L25		25°	50	42,26	50	25°
DCRX0305.50.L30		30°	50	40,76	50	20°
DCRX0305.50.L35		35°	50	39,65	50	15°
DCRX0305.50.L40		40°	50	38,89	50	10°
DCRX0305.50.L45		45°	50	38,45	50	5°
DCRX0305.50.L50		50°	50	38,30	50	0°

** It's recommended not to exceed 48 mm stroke for a safer gas spring application.*

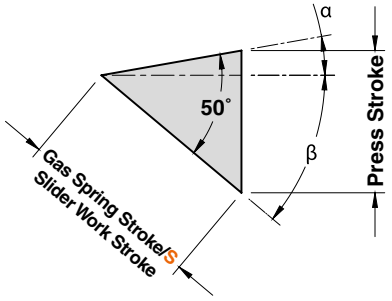
1.2 - CRX05.080



WORK ANGLE β < 0°



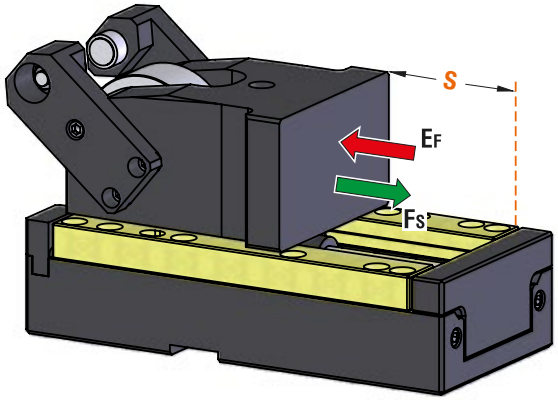
WORK ANGLE β > 0°



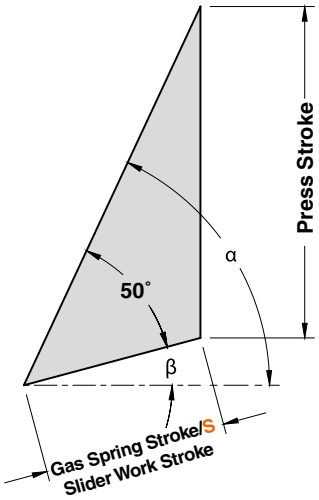
Roller Cam Driver Code	Roller Cam Code	Work Angle β	MAX Slider Work Stroke S* (mm)	Press Stroke (mm)	MAX Gas Spring Stroke* (mm)	α
DCRX0305.80.H15	CRX05.080	-15°	80	145,01	80	65°
DCRX0305.80.H10		-10°	80	122,57	80	60°
DCRX0305.80.H05		-5°	80	106,84	80	55°
DCRX0305.80.H00		0°	80	95,34	80	50°
DCRX0305.80.L05		5°	80	86,67	80	45°
DCRX0305.80.L10		10°	80	80,00	80	40°
DCRX0305.80.L15		15°	80	74,81	80	35°
DCRX0305.80.L20		20°	80	70,76	80	30°
DCRX0305.80.L25		25°	80	67,62	80	25°
DCRX0305.80.L30		30°	80	65,22	80	20°
DCRX0305.80.L35		35°	80	63,45	80	15°
DCRX0305.80.L40		40°	80	62,23	80	10°
DCRX0305.80.L45		45°	80	61,52	80	5°
DCRX0305.80.L50		50°	80	61,28	80	0°

** It's recommended not to exceed 78 mm stroke for a safer gas spring application.*

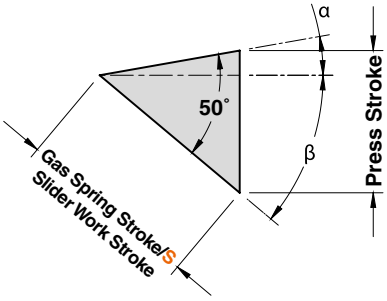
1.3 - CRX05.100



WORK ANGLE β < 0°



WORK ANGLE β > 0°

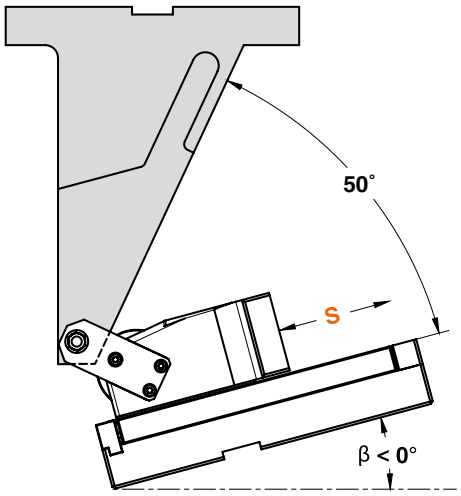


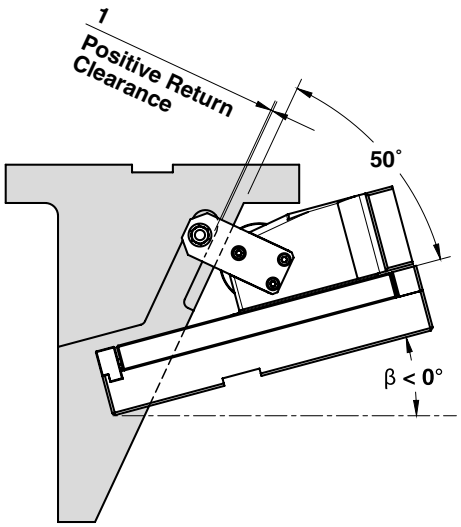
Roller Cam Driver Code	Roller Cam Code	Work Angle β	MAX Slider Work Stroke S* (mm)	Press Stroke (mm)	MAX Gas Spring Stroke* (mm)	α
DCRX0305.80.H15	CRX05.100	-15°	100	181,26	100	65°
DCRX0305.80.H10		-10°	100	153,21	100	60°
DCRX0305.80.H05		-5°	100	133,56	100	55°
DCRX0305.80.H00		0°	100	119,18	100	50°
DCRX0305.80.L05		5°	100	108,34	100	45°
DCRX0305.80.L10		10°	100	100,00	100	40°
DCRX0305.80.L15		15°	100	93,52	100	35°
DCRX0305.80.L20		20°	100	88,46	100	30°
DCRX0305.80.L25		25°	100	84,52	100	25°
DCRX0305.80.L30		30°	100	81,52	100	20°
DCRX0305.80.L35		35°	100	79,31	100	15°
DCRX0305.80.L40		40°	100	77,79	100	10°
DCRX0305.80.L45		45°	100	76,90	100	5°
DCRX0305.80.L50		50°	100	76,60	100	0°

** It's recommended not to exceed 98 mm stroke for a safer gas spring application.*

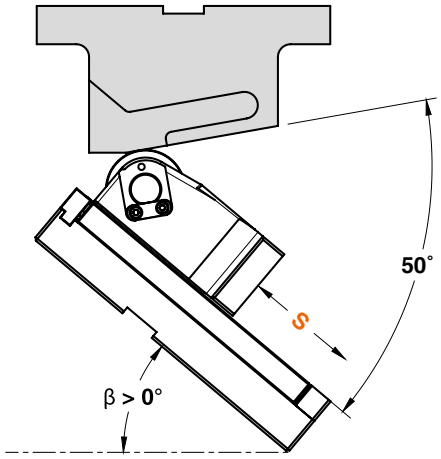
2 - Cam Driver Examples

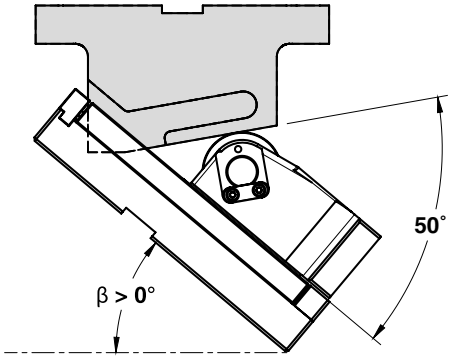
EXAMPLE FOR:
CRX05.100.P
DCRX0305.80.H15





EXAMPLE FOR:
CRX05.100.K
DCRX0305.80.L40





3 - 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.

Fs Max Work Force

β = -15°÷50°		WIDTH		
		39	**40**	**39**
HEIGHT	**25**	39	72	39
	24	47	129	47
	25	52	**142**	52