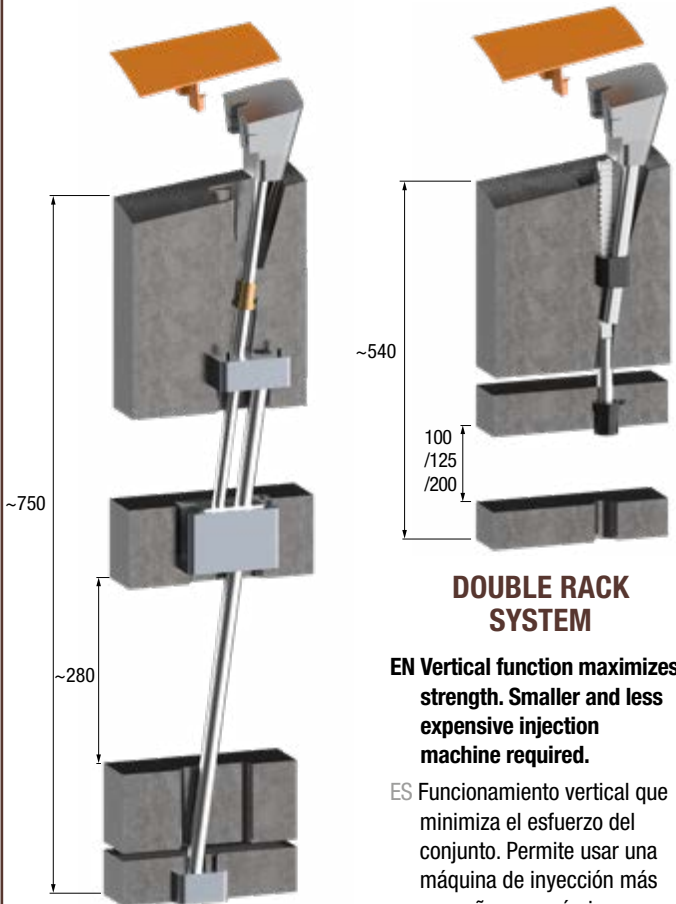


# DOUBLE RACK SYSTEM by CUMSA

## COMPARE

Comparativa · Vergleich · Confronto · Comparativo · Comparison



### CONVENTIONAL SYSTEM

**EN Eliminates the need for high-precision angled housings in the core plates.**

**ES** Elimina los complicados taladros inclinados de alta precisión.

**DE** Es wird keine hochpräzise Schrägbohrung in der Formplatte benötigt.

**IT** Elimina le complicate lavorazioni inclinate ad alta precisione.

**PT** Elimina a necessidade de furos inclinados com precisão.

**FR** Terminé les logements inclinés d'haute précision.

### DOUBLE RACK SYSTEM

**EN Vertical function maximizes strength. Smaller and less expensive injection machine required.**

**ES** Funcionamiento vertical que minimiza el esfuerzo del conjunto. Permite usar una máquina de inyección más pequeña y económica.

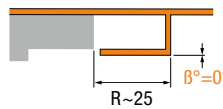
**DE** Vertikale Funktion mit maximaler Kraft. Ein kleineres Werkzeugkann eventuell eine kleinere und günstiger Spritzgießmaschine benötigen.

**IT** Funzionamento verticale che minimizza lo sforzo. Permette di usare una macchina d'iniezione più piccola ed economica.

**PT** Funcionamento na vertical minimizando o esforço. Permite o uso de maquinas de injeção de menores dimensões e mais económicas.

**FR** Fonctionnement vertical réduisant les efforts. Permet de réduire la dimension de la presse d'injection et ainsi de réaliser des économies.

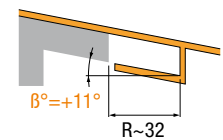
#### Neutral angles ( $\beta^\circ=0^\circ$ )



$S \geq R$

DR.xx100L-16  
KR.xx200L-16  
DR.xx125L-12  
KR.xx125L-12  
XR.xx100L-24

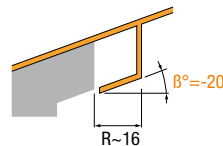
#### Positive Angles ( $\beta^\circ>0^\circ$ )



$S \geq R$

DR.xx100L-20  
DR.xx125L-16  
KR.xx125L-16  
XR.xx100L-24

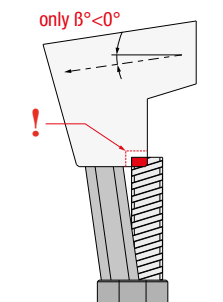
#### Negative Angles ( $\beta^\circ<0^\circ$ )



$S \geq R$

DR.xx100L-12  
KR.xx200 L-12  
DR.xx125L-8  
KR.xx125L-8  
XR.xx100L-24

**IMPORTANT !**



## Stroke 100 (DR) Stroke 200 (KR) (Multiply S value x2)

$\beta^\circ$	DR.xx100L-8		DR.xx100L-12	
	S (- $\beta^\circ$ )	S (+ $\beta^\circ$ )	S (- $\beta^\circ$ )	S (+ $\beta^\circ$ )
0	14.0	14.0	21.2	21.2
1	14.0	14.0	21.1	21.3
2	13.9	14.1	21.1	21.4
3	13.9	14.1	21.0	21.5
4	13.9	14.1	20.9	21.5
5	13.8	14.2	20.8	21.6
6	13.8	14.2	20.7	21.7
7	13.8	14.3	20.7	21.8
8	13.7	14.3	20.6	21.9
9	13.7	14.3	20.5	22.0
10	13.7	14.4	20.4	22.0
11	13.6	14.4	20.4	22.1
12	13.6	14.4	20.3	22.2
13	13.6	14.5	20.2	22.3
14	13.5	14.5	20.1	22.4
15	13.5	14.6	20.1	22.5
16	13.5	14.6	20.0	22.6
17	13.4	14.6	19.9	22.7
18	13.4	14.7	19.8	22.8
19	13.4	14.7	19.8	22.9
20	13.3	14.8	19.7	23.0
21	13.3	14.8	19.6	23.1
22	13.2	14.9	19.5	23.2
23	13.2	14.9	19.4	23.3
24	13.2	14.9	19.4	23.4
25	13.1	15.0	19.3	23.5
26	13.1	15.0	19.2	23.7
27	13.1	15.1	19.1	23.8
28	13.0	15.1	19.0	23.9
29	13.0	15.2	19.0	24.0
30	12.9	15.2	18.9	24.2
31	12.9	15.3	18.8	
32	12.9	15.4	18.7	
33	12.8	15.4	18.6	
34	12.8	15.5	18.5	
35	12.7	15.5	18.5	
36	12.7		18.4	
37	12.7		18.3	
38	12.6		18.2	
39	12.6		18.1	
40	12.5		18.0	
45	12.3		17.5	
50	12.0		16.9	
55	11.7		16.3	
60	11.3		15.5	

# SELECTION TABLE: WHICH DR / KR DO I NEED?

ES TABLA DE SELECCIÓN: Qué DR / KR / XR necesito?

DE AUSWAHLTABELLE: Welcher DR / KR / XR ist am besten geeignet?

IT TABELLA PER SCELTA: Di quale DR / KR / XR ho bisogno?

PT TABELA DE SELEÇÃO: Qual é o DR / KR / XR que preciso?

FR TABLEAU DE CORRESPONDANCE: Quel est le DR / KR que j'ai besoin?



## Stroke 100 (DR) Stroke 200 (KR) (Multiply S value x2)

	DR.xx100L-16		DR.xx100L-20	
	S (-β°)	S (+β°)	S (-β°)	S (+β°)
	28.6		36.4	
28.5	28.8	36.1	36.6	
28.3	28.9	35.9	36.8	
28.2	29.1	35.7	37.1	
28.1	29.2	35.4	37.3	
27.9	29.4	35.2	37.5	
27.8	29.5	35.0	37.8	
27.7	29.7	34.8	38.1	
27.5	29.8	34.6	38.3	
27.4	30.0	34.4	38.6	
27.2	30.2	34.2	38.8	
27.1	30.3	33.9	39.1	
27.0	30.5	33.7	39.4	
26.8	30.7	33.5	39.7	
26.7	30.8	33.3	40.0	
26.6	31.0	33.1	40.3	
26.5	31.2	32.9	40.6	
26.3	31.4	32.7	40.9	
26.2	31.6	32.5	41.2	
26.1	31.8	32.3	41.6	
25.9	32.0	32.1	41.9	
25.8	32.2	31.9		
25.6	32.4	31.7		
25.5	32.6	31.5		
25.4	32.8	31.3		
25.2	33.1	31.1		
25.1		30.9		
25.0		30.7		
24.8		30.4		
24.7		30.2		
24.6		30.0		
24.4		29.8		
24.3		29.6		
24.1		29.4		
24.0		29.2		
23.8		29.0		
23.7		28.7		
23.5		28.5		
23.4		28.3		
23.2		28.1		
23.1		27.8		
22.2		26.6		
21.3		25.1		
20.3		23.9		
19.1		22.3		

## Stroke 125 (DR / KR)

β°	DR.xx125L-8		DR.xx125L-12		DR.xx125L-16		DR.xx125L-20	
	KR.xx125L-8		KR.xx125L-12		KR.xx125L-16		KR.xx125L-20	
	S (-β°)	S (+β°)	S (-β°)	S (+β°)	S (-β°)	S (+β°)	S (-β°)	S (+β°)
0	17.5		26.5		35.8		45.4	
1	17.5	17.6	26.4	26.6	35.6	36.0	45.2	45.7
2	17.4	17.6	26.3	26.7	35.4	36.2	44.9	46.0
3	17.4	17.6	26.2	26.8	35.3	36.3	44.6	46.3
4	17.3	17.7	26.1	26.9	35.1	36.5	44.3	46.6
5	17.3	17.7	26.0	27.0	34.9	36.7	44.0	46.9
6	17.3	17.8	25.9	27.1	34.7	36.9	43.8	47.3
7	17.2	17.8	25.8	27.2	34.6	37.1	43.5	47.6
8	17.2	17.9	25.7	27.3	34.4	37.3	43.2	47.9
9	17.1	17.9	25.7	27.4	34.2	37.5	43.0	48.2
10	17.1	18.0	25.6	27.6	34.1	37.7	42.7	48.6
11	17.1	18.0	25.5	27.7	33.9	37.9	42.4	48.9
12	17.0	18.1	25.4	27.8	33.7	38.1	42.2	49.3
13	17.0	18.1	25.3	27.9	33.6	38.3	41.9	49.6
14	16.9	18.2	25.2	28.0	33.4	38.6	41.7	50.0
15	16.9	18.2	25.1	28.1	33.2	38.8	41.4	50.4
16	16.8	18.3	25.0	28.2	33.1	39.0	41.1	50.7
17	16.8	18.3	24.9	28.4	32.9	39.2	40.9	51.1
18	16.8	18.4	24.8	28.5	32.7	39.5	40.6	51.5
19	16.7	18.4	24.7	28.6	32.6	39.7	40.4	52.0
20	16.7	18.5	24.6	28.7	32.4	40.0	40.1	52.4
21	16.6	18.5	24.5	28.9	32.2	40.2	39.9	
22	16.6	18.6	24.4	29.0	32.1	40.5	39.6	
23	16.5	18.6	24.3	29.2	31.9	40.8	39.4	
24	16.5	18.7	24.2	29.3	31.7	41.0	39.1	
25	16.4	18.7	24.1	29.4	31.6	41.3	38.8	
26	16.4	18.8	24.0	29.6	31.4		38.6	
27	16.3	18.9	23.9	29.7	31.2		38.3	
28	16.3	18.9	23.8	29.9	31.1		38.1	
29	16.2	19.0	23.7	30.1	30.9		37.8	
30	16.2	19.1	23.6	30.2	30.7		37.5	
31	16.1	19.1	23.5		30.5		37.3	
32	16.1	19.2	23.4		30.3		37.0	
33	16.0	19.3	23.3		30.2		36.7	
34	16.0	19.4	23.2		30.0		36.5	
35	15.9	19.4	23.1		29.8		36.2	
36	15.9		23.0		29.6		35.9	
37	15.8		22.9		29.4		35.7	
38	15.8		22.7		29.2		35.4	
39	15.7		22.6		29.0		35.1	
40	15.7		22.5		28.8		34.8	
45	15.4		21.9		27.8		33.3	
50	15.0		21.1		26.7		31.7	
55	14.6		20.3		25.4		29.9	
60	14.1		19.4		23.9		27.9	

## Stroke 100 (XR)

β°	XRxx100L-24		XRxx100L-28		XRxx100L-32		XRxx100L-36	
	S (-β°)	S (+β°)	S (-β°)	S (+β°)	S (-β°)	S (+β°)	S (-β°)	S (+β°)
0	44.5		53.2		62.5		72.7	
1	44.2	44.9	52.7	53.7	61.8	63.2	71.7	73.6
2	43.8	45.2	52.2	54.2	61.2	63.9	70.9	74.5
3	43.5	45.6	51.7	54.7	60.5	64.6	70.0	75.5
4	43.2	46.0	51.3	55.2	59.9	65.3	69.1	76.5
5	42.9	46.3	50.8	55.8	59.2	66.1	68.3	77.6
6	42.5	46.7	50.4	56.3	58.6	66.9	67.5	78.7
7	42.2	47.1	49.9	56.9	58.0	67.7	66.7	79.8
8	41.9	47.5	49.5	57.5	57.4	68.5	65.9	
9	41.6	47.9	49.0	58.1	56.9	69.4	65.2	
10	41.3	48.3	48.6	58.7	56.3	70.2	64.4	
11	41.0	48.7	48.2	59.3	55.7	71.1	63.7	
12	40.7	49.2	47.8	59.9	55.2		62.9	
13	40.4	49.6	47.4	60.6	54.6		62.2	
14	40.1	50.1	46.9	61.3	54.1		61.5	
15	39.8	50.6	46.5	62.0	53.5		60.8	
16	39.5	51.0	46.1		53.0		60.1	
17	39.2	51.5	45.7		52.5		59.4	
18	38.9	52.1	45.3		51.9		58.8	
19	38.6	52.6	44.9		51.4		58.1	
20	38.3		44.5		50.9		57.5	
21	38.0		44.2		50.4		56.8	
22	37.7		43.8		49.9		56.2	
23	37.4		43.4		49.4		55.5	
24	37.2		43.0		48.9		54.9	
25	36.9		42.6		48.4		54.3	
26	36.6		42.2		47.9		53.6	
27	36.3		41.8		47.4		53.0	
28	36.0		41.5		46.9		52.4	
29	35.7		41.1		46.4		51.8	
30	35.4		40.7		45.9		51.2	
31	35.1		40.3		45.4		50.6	
32	34.8		39.9		44.9		50.0	
33	34.5		39.5		44.4		49.4	
34	34.2		39.1		44.0		48.8	
35	33.9		38.7		43.5		48.2	
36	33.6		38.4		43.0		47.6	
37	33.3		38.0		42.5		46.9	
38	33.0		37.6		42.0		46.3	
39	32.7		37.2		41.5		45.7	
40	32.4		36.8		41.0		45.1	
45	30.8		34.7		38.4		42.0	
50								
55								
60								

Special β° angles possible under request  
ES Posibilidad de ángulos β° especiales DE Sonderwinkel auf Anfrage möglich (β°) IT E' possibile avere angolazioni β° speciali su richiesta PT Possibilidade de ângulos β° especiais FR Possibilité de réaliser des angles β° spéciaux.

# COOLED RACK LIFTER

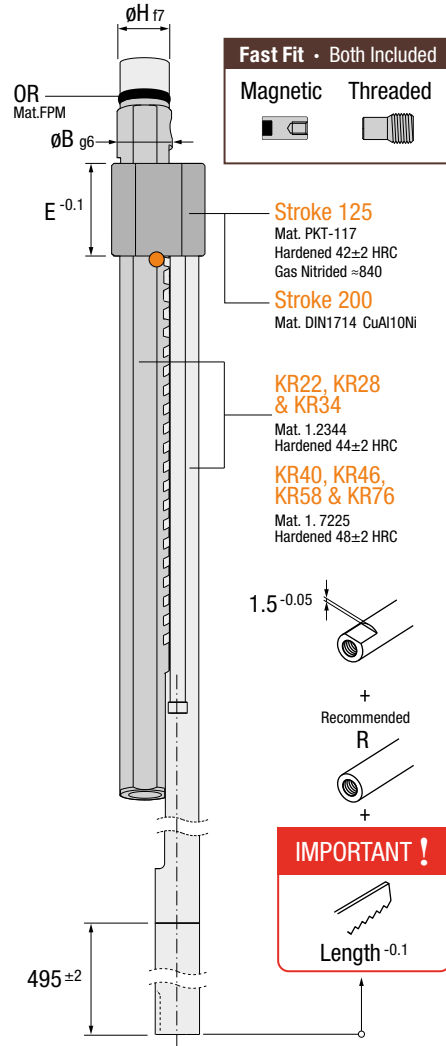
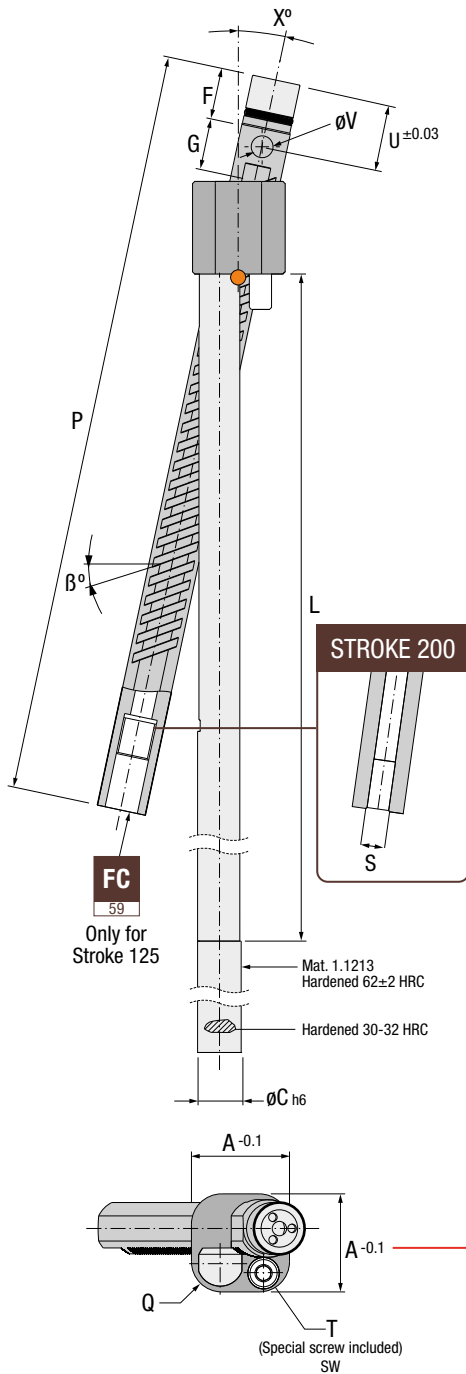
ES Doble Cremallera Refrigerada DE Gekühltes Zweifach Zahnstangen System  
 IT Doppia Cremagliera con Refrigerazione PT Duplo Rack Refrigerado FR Double Rack Réfrigéré

● Cad Insertion Point

# KR

Patented

Max. 80°C



**Fast Fit - Both Included**

Magnetic	Threaded

**IMPORTANT!** COOLING CONNECTION OPTIONS  
 Only for Stroke 125

**Option A** **Option B**

**IMPORTANT!** Mirror part.  
 Pieza simétrica.  
 Symmetrisches Teil.  
 Versione a specchio.  
 Peça em espelho.  
 Pièce en miroir.

Ref.	X°	A	B	C	E	F	G	H	L	P	Q	R	S	Stroke	T	U	V	OR	Mirror Ref. -S	SW
KR.22125L-x	8 12 16	20	22	12	22	16	20	10.8	282	260	6.5	M6	-	125	M6	23	8	8x1.25	KR.22125L-x-S	4
KR.28125L-x	8 12 16	20	28	16	28	16	20	13.8	294.5	272	8.5	M8	-	125	M8	23	8	11x1.3	KR.28125L-x-S	5
KR.34125L-x	8 12 16	20	34	20	34	18	20	17.8	311.5	275	10.5	M8	-	125	M8	25	8	14x1.78	KR.34125L-x-S	5
KR.40125L-x	8 12 16	20	40	22	40	20	25	19.8	342	350	10.5	M10	-	125	M10	28	10	16x2	KR.40125L-x-S	6
KR.46125L-x	8 12 16	20	46	24	46	22	25	21.8	361	350	10.5	M12	-	125	M12	30	10	18x2	KR.46125L-x-S	8
KR.58200L-x	8 12 16	-	58	30	66	25	55	26	362	430	13.5	M20	1/4"Gas	200	M14	60	12	21x2.5	KR.58200L-x-S	12
KR.76200L-x	8 12 16	-	76	40	80	30	60	34	392	470	17	M24	3/8"Gas	200	M18	70	12	28x3	KR.76200L-x-S	14

**! HOW TO ORDER**

Check page 50-51 for Min / Max β values

β° < 0 & β° = 0      β° > 0

A Stroke X° β      A Stroke X° β

KR 28 125L - 12 -10      Standard      KR 28 125L - 12 +10

KR 28 125L - 12 -S -10      Symmetrical      KR 28 125L - 12 -S +10

A Stroke X° β      A Stroke X° β