



DOUBLE RACK UNDERCUT SOLUTIONS



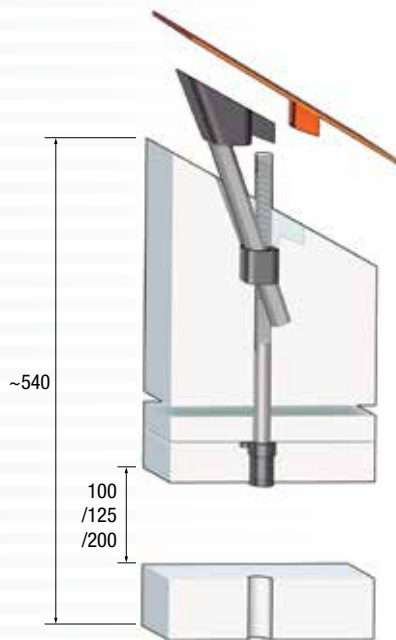
DOUBLE RACK SYSTEM

DR-SERIES (SOLID ROD)

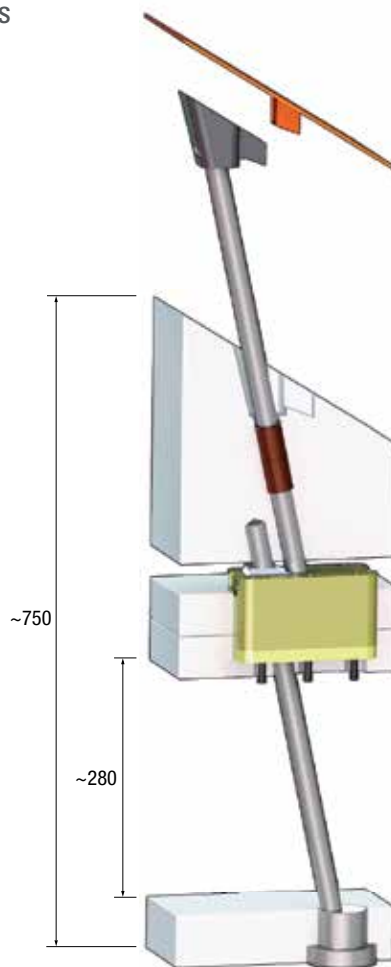
The DR-Series lifter systems simplifies designs when molding undercuts. The use of this system eliminates the need for high-precision angled housings in the core plates.

BENEFITS

- De-molding strokes from 14mm to 60mm.
- Customized drafts
- Big savings in time & cost for machining and adjustments
- Significant reduction to the ejection stroke
- "Mirror" parts available for 1+1 cavities molds
- Vertical function maximizing strength



DOUBLE RACK SYSTEM



CONVENTIONAL SYSTEM

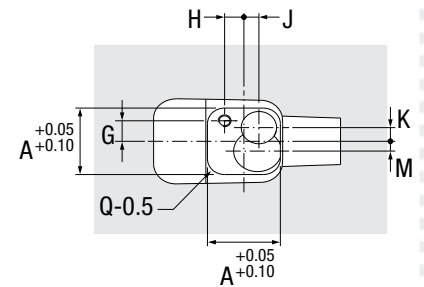
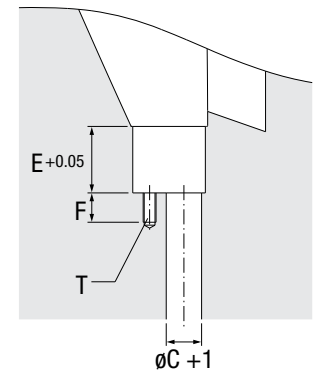
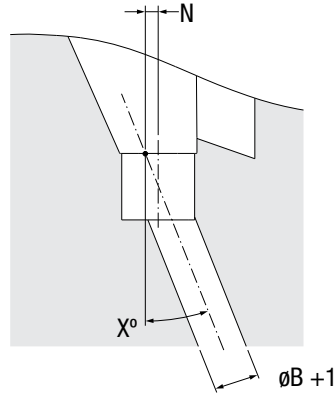


DOUBLE RACK SYSTEM

DR-SERIES

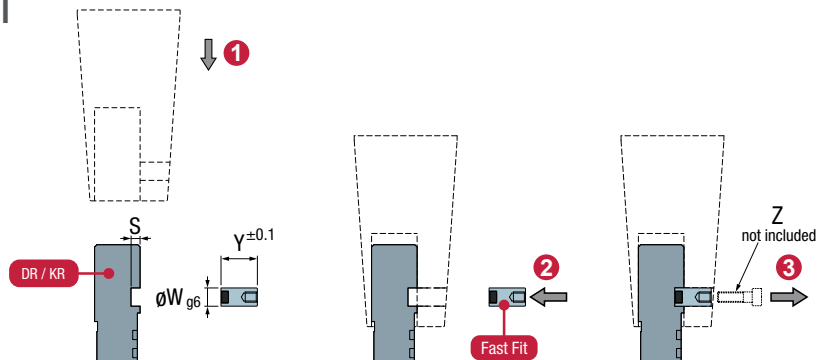


Core Housing

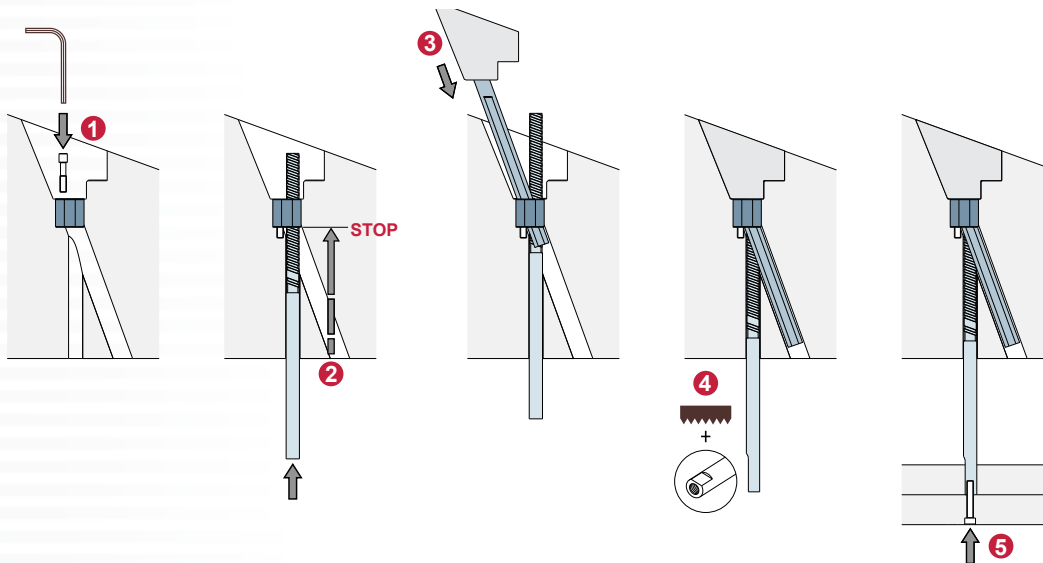


Stroke 100	Stroke 125	F	G	H	J	K	M	N	S	T	W	Y	Z
DR16100L	-	10	4.6	4.6	3	2.35	3	2.8	2.5	M5	6	9	M4
DR22100L	DR22125L	13	5.6	5.6	4.2	3.7	4.2	3.5	2.5	M6	8	12	M4
DR28100L	DR28125L	16	7.5	7.5	5	5.4	4.8	4.8	2.5	M8	8	13.5	M4
DR34100L	DR34125L	16	10.5	8	7	7	5	6	4	M8	8	16	M4
DR40100L	DR40125L	20	11	11	7	8	7	7	4	M10	10	20	M6
DR46100L	DR46125L	25	13	13	8	8	9	9	5	M12	10	24	M6

FAST FIT: Installation and removal



Installation



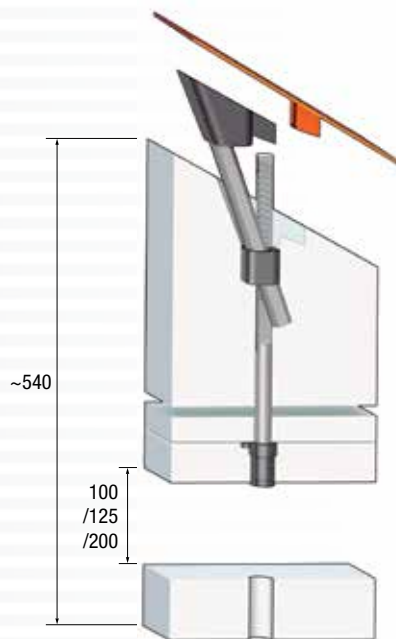
DOUBLE RACK SYSTEM

KR-SERIES (COOLED ROD)

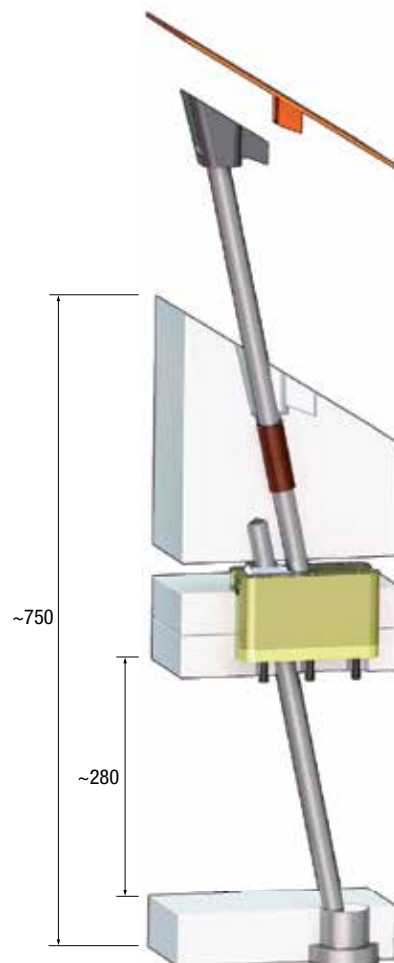
The KR Cooled Double Rack System incorporates all the features of the DR lifter with the addition of a drilled interior, making it possible to deliver coolant to the lifter head.

BENEFITS

- Considerably reduces the size of the lifter head
- Faster Cycle times
- Two Cooling Connection Options
- Higher Quality Parts with less scrap

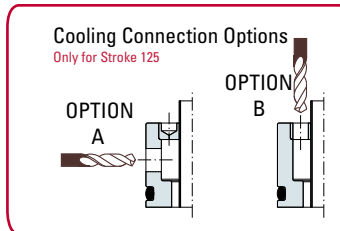
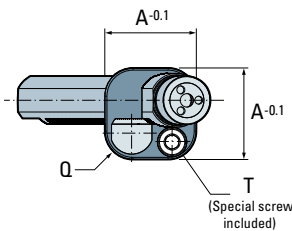
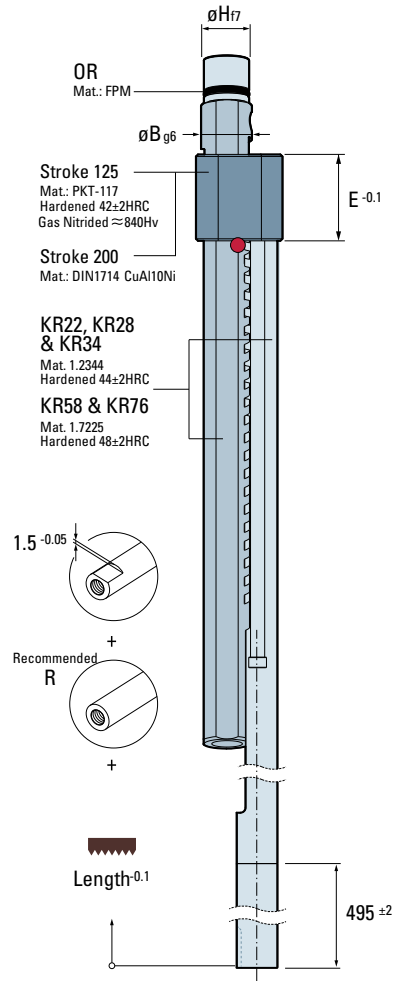
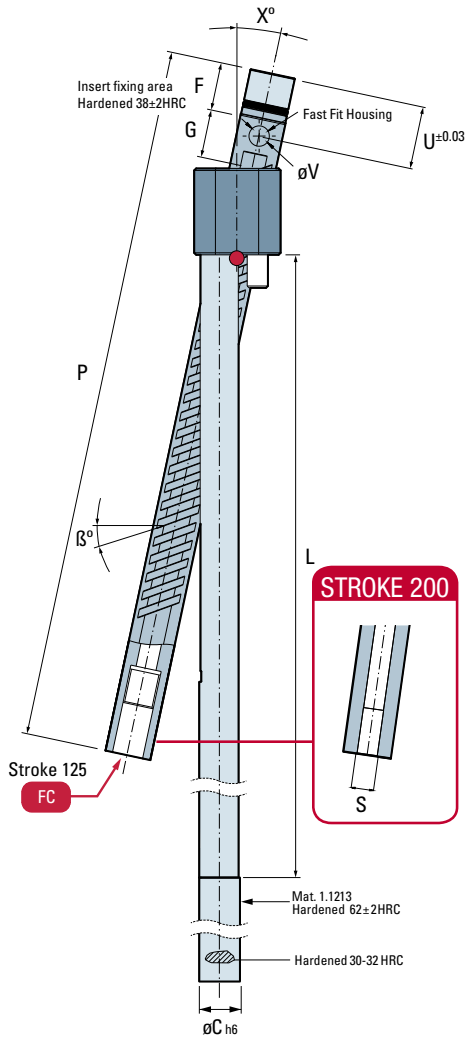


DOUBLE RACK SYSTEM



CONVENTIONAL SYSTEM

DOUBLE RACK SYSTEM KR-SERIES



IMPORTANT
Mirror part

	Item No.	X°	A	B	C	E	F	G	H	L	P	Q	R	S	T	U	V	OR	Mirror Item No. (S)
Stroke 125	KR22125Lx	08 12 16 20	22	12	12	22	16	20	10.8	282	260	6.5	M6	-	M6	23	8	8x1.25	KR22125LxS
	KR28125Lx	08 12 16 20	28	16	14	28	16	20	13.8	294.5	272	8.5	M8	-	M8	23	8	11x1.3	KR28125LxS
	KR34125Lx	08 12 16 20	34	20	16	34	18	20	17.8	311.5	275	10.5	M8	-	M8	25	8	14x1.78	KR34125LxS
Stroke 200	KR58200Lx	08 12 16 -	58	30	30	66	25	55	26	362	430	13.5	M20	1/4" Gas	M14	60	12	21x2.5	KR58200LxS
	KR76200Lx	08 12 16 -	76	40	40	80	30	60	34	392	470	17	M24	3/8" Gas	M18	70	12	28x3	KR76200LxS

IMPORTANT

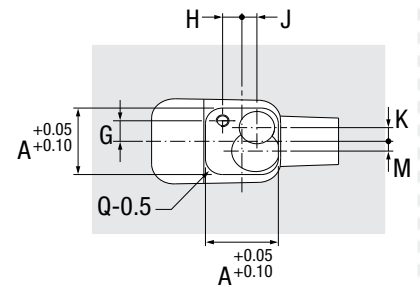
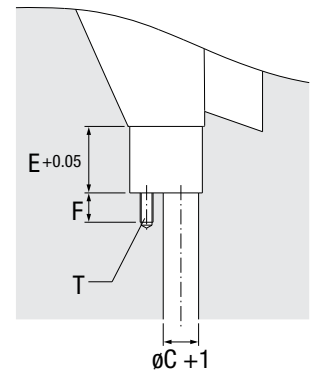
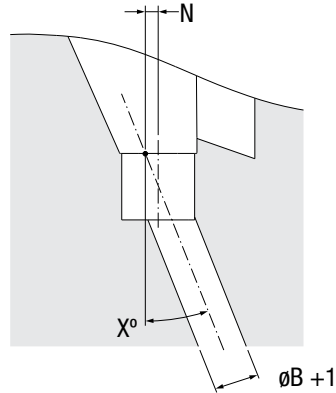
When ordering, replace the x in the reference with the required X° dimension (8°, 12°, 16° or 20°) and indicate the required β°.

DOUBLE RACK SYSTEM

KR-SERIES

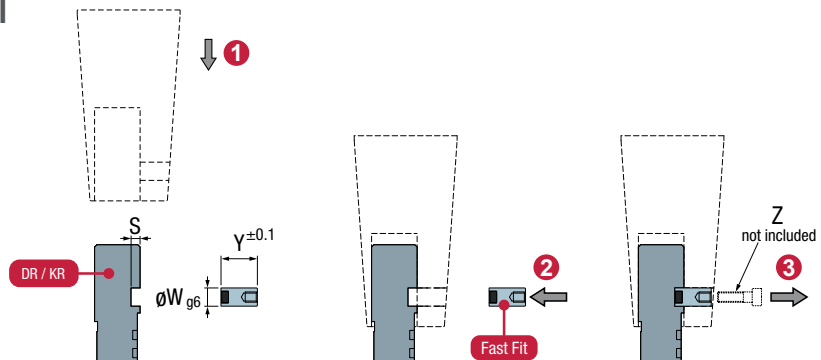


Core Housing

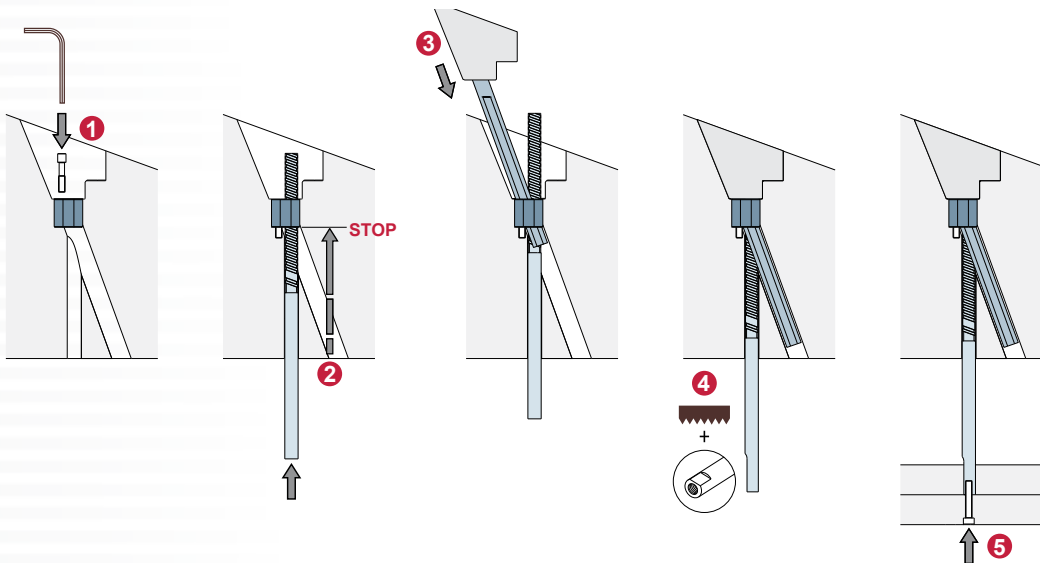


Stroke 125	Stroke 200	F	G	H	J	K	M	N	S	T	W	Y	Z
-	-	10	4.6	4.6	3	2.35	3	2.8	2.5	M5	6	9	M4
KR22125L	-	13	5.6	5.6	4.2	3.7	4.2	3.5	2.5	M6	8	12	M4
KR28125L	-	16	7.5	7.5	5	5.4	4.8	4.8	2.5	M8	8	13.5	M4
KR34125L	-	16	10.5	8	7	7	5	6	4	M8	8	16	M4
-	-	20	11	11	7	8	7	7	4	M10	10	20	M6
-	-	25	13	13	8	8	9	9	5	M12	10	24	M6
-	KR58200L	28	15.5	15.5	10	12.2	11.2	10	5	M14	12	30	M6
-	KR76200L	36	21	21	13	15.2	15.2	12	6	M18	12	36	M6

FAST FIT: Installation and removal



Installation

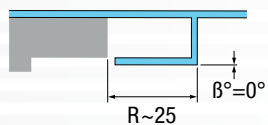


DOUBLE RACK SYSTEM

DR- & KR-SERIES

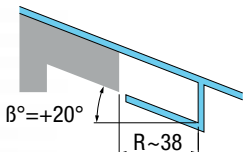


Neutral angles ($\beta=0^\circ$)



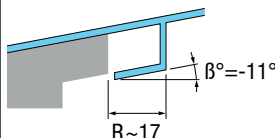
DRxx100L16 or DRxx125L12
or KRxx125L12

Positive angles ($\beta>0^\circ$)



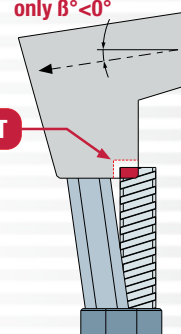
DRxx100L20 or DRxx125L16
or KRxx125L16

Negative angles ($\beta<0^\circ$)



DRxx100L12 or DRxx125L8
or KRxx125L8

only $\beta<0^\circ$



IMPORTANT

Stroke 100 Stroke 200 (Multiply S value x2)

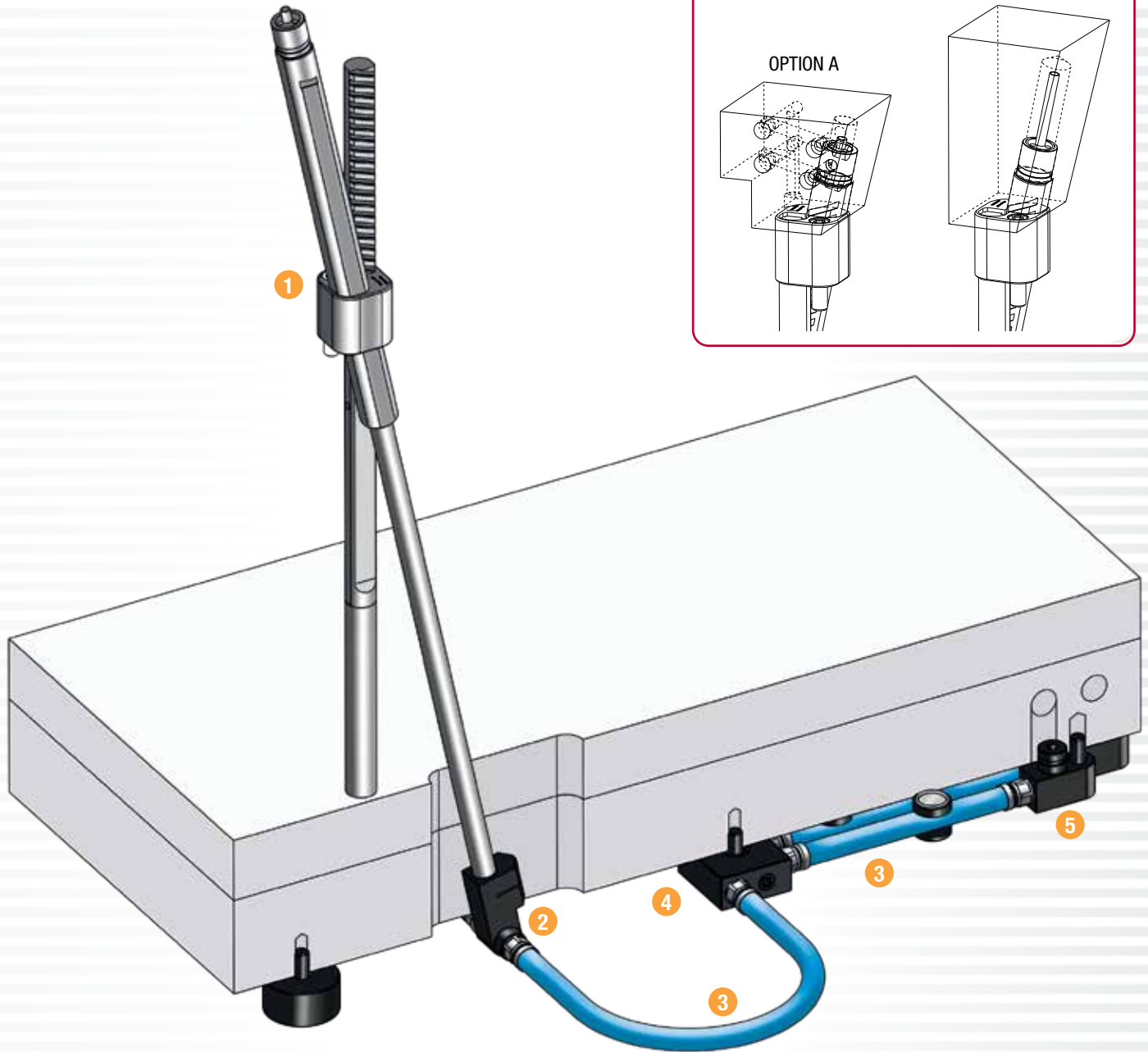
β°	DRxx100L8		DRxx100L12		DRxx100L16		DRxx100L20	
	KRxx200L8		KRxx200L12		KRxx200L16		KRxx200L20	
	S(- β°)	S(+ β°)	S(- β°)	S(+ β°)	S(- β°)	S(+ β°)	S(- β°)	S(+ β°)
0	14.0		21.2		28.6		36.4	
1	14.0	14.0	21.1	21.3	28.5	28.8	36.1	36.6
2	13.9	14.1	21.1	21.4	28.3	28.9	35.9	36.8
3	13.9	14.1	21.0	21.5	28.2	29.1	35.7	37.1
4	13.9	14.1	20.9	21.5	28.1	29.2	35.4	37.3
5	13.8	14.2	20.8	21.6	27.9	29.4	35.2	37.5
6	13.8	14.2	20.7	21.7	27.8	29.5	35.0	37.8
7	13.8	14.3	20.7	21.8	27.7	29.7	34.8	38.1
8	13.7	14.3	20.6	21.9	27.5	29.8	34.6	38.3
9	13.7	14.3	20.5	22.0	27.4	30.0	34.4	38.6
10	13.7	14.4	20.4	22.0	27.2	30.2	34.2	38.8
11	13.6	14.4	20.4	22.1	27.1	30.3	33.9	39.1
12	13.6	14.4	20.3	22.2	27.0	30.5	33.7	39.4
13	13.6	14.5	20.2	22.3	26.8	30.7	33.5	39.7
14	13.5	14.5	20.1	22.4	26.7	30.8	33.3	40.0
15	13.5	14.6	20.1	22.5	26.6	31.0	33.1	40.3
16	13.5	14.6	20.0	22.6	26.5	31.2	32.9	40.6
17	13.4	14.6	19.9	22.7	26.3	31.4	32.7	40.9
18	13.4	14.7	19.8	22.8	26.2	31.6	32.5	41.2
19	13.4	14.7	19.8	22.9	26.1	31.8	32.3	41.6
20	13.3	14.8	19.7	23.0	25.9	32.0	32.1	41.9
21	13.3	14.8	19.6	23.1	25.8	32.2	31.9	
22	13.2	14.9	19.5	23.2	25.6	32.4	31.7	
23	13.2	14.9	19.4	23.3	25.5	32.6	31.5	
24	13.2	14.9	19.4	23.4	25.4	32.8	31.3	
25	13.1	15.0	19.3	23.5	25.2	33.1	31.1	
26	13.1	15.0	19.2	23.7	25.1		30.9	
27	13.1	15.1	19.1	23.8	25.0		30.7	
28	13.0	15.1	19.0	23.9	24.8		30.4	
29	13.0	15.2	19.0	24.0	24.7		30.2	
30	12.9	15.2	18.9	24.2	24.6		30.0	
31	12.9	15.3	18.8		24.4		29.8	
32	12.9	15.4	18.7		24.3		29.6	
33	12.8	15.4	18.6		24.1		29.4	
34	12.8	15.5	18.5		24.0		29.2	
35	12.7	15.5	18.5		23.8		29.0	
36	12.7		18.4		23.7		28.7	
37	12.7		18.3		23.5		28.5	
38	12.6		18.2		23.4		28.3	
39	12.6		18.1		23.2		28.1	
40	12.5		18.0		23.1		27.8	
41	12.5		17.9		22.9		27.6	
42	12.4		17.8		22.7		27.4	
43	12.4		17.7		22.6		27.1	
44	12.3		17.6		22.4		26.9	
45	12.3		17.5		22.2		26.6	

S ≥ R

Stroke 125

β°	DRxx125L8		DRxx125L12		DRxx125L16		DRxx125L20	
	KRxx125L8		KRxx125L12		KRxx125L16		KRxx125L20	
	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	
41	15.6		22.4		28.6		34.5	
42	15.5		22.3		28.4		34.2	
43	15.5		22.1		28.2		33.9	
44	15.4		22.0		28.0		33.6	
45	15.4		21.9		27.8		33.3	

APPLICATION EXAMPLE



1 KR
Cooled Lifter Rack

2 FC
KR Water Fountain

3 MK
Connection Hose

4 RD
Cooling Distributor

5 CK
90° Plate Connector

DOUBLE RACK SYSTEM

KR-SERIES ACCESSORIES



FC WATER FOUNTAIN

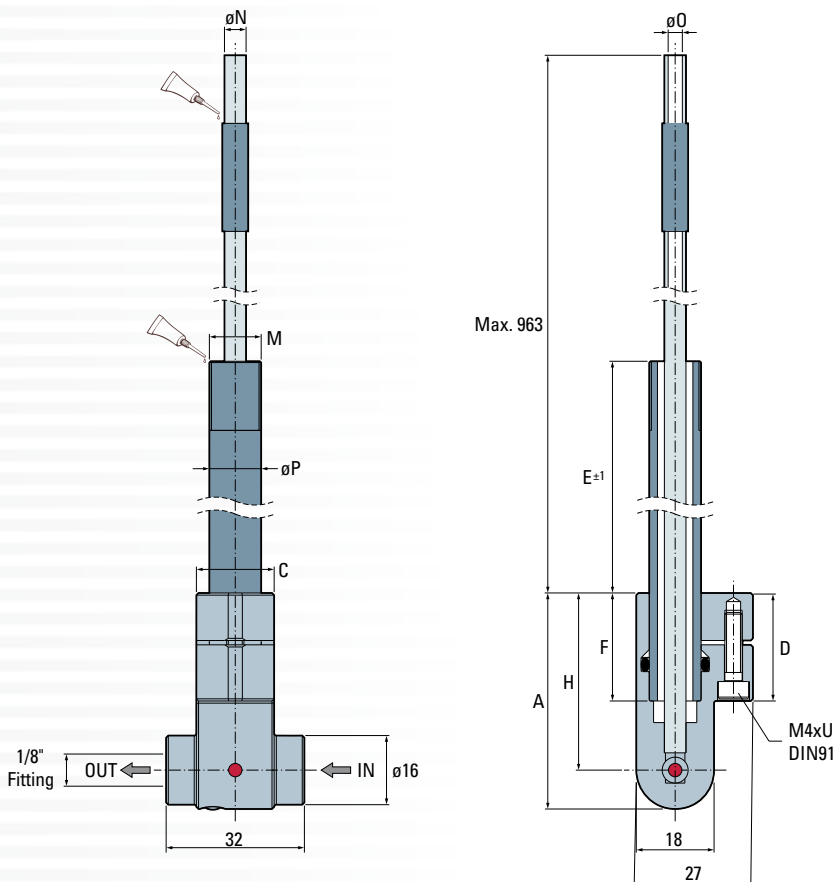
Compact solution for a water fountain.

Water goes up from the centre tube of the fountain and is collected by the external tube. Both the water inlet and outlet are on the same level, saving space in the mold.

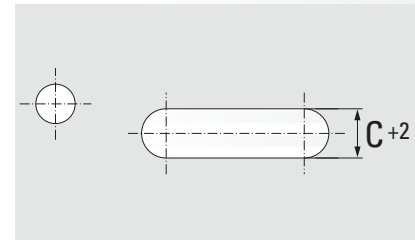
Unique fixing system allowing the external tube to be hermetically sealed, preventing water leakages.



Item Number	A	C	D	E	F	H	M	N	O	P	U	Compatible with
FC220300	40	15	18	283.5	16.5	31	M8x1	3.5	3	8	10	KR22125L
FC220500	40	15	18	483.5	16.5	31	M8x1	3.5	3	8	10	KR22125L
FC280300	50	18	25	275	25	41	M10x1	4.5	4	10	16	KR28125L
FC280500	50	18	25	475	25	41	M10x1	4.5	4	10	16	KR28125L
FC340300	50	18	25	275	25	41	M12x1	5	4.5	12	16	KR34125L
FC340500	50	18	25	475	25	41	M12x1	5	4.5	12	16	KR34125L

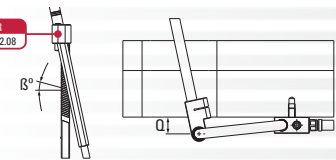


Pocket Detail



IMPORTANT

KR
Page 2.08



Riten No.	q					
	$\beta \leq 0^\circ$	$0^\circ < \beta \leq 10^\circ$	$10^\circ < \beta \leq 20^\circ$	$20^\circ < \beta \leq 25^\circ$	$25^\circ < \beta \leq 30^\circ$	$30^\circ < \beta \leq 35^\circ$
KRix125L8	10	15	18	20	23	25
KRix125L12	10	16	22	25	29	-
KRix125L16	10	18	26	31	-	-
KRix125L20	10	20	31	-	-	-

DOUBLE RACK SYSTEM

KR-SERIES ACCESSORIES



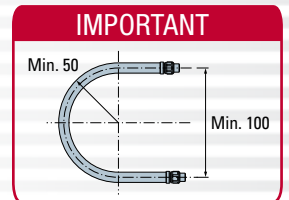
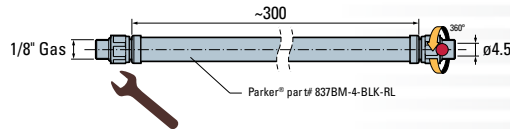
MK - Connection Hose with Fittings

Strong and robust hoses to avoid leakages. Incorporates rotary connections to avoid twisted hoses which can restrict water passages.

Item Number
MK120300



Mat. 1.0308 Zn.
Maximum working temperature 80°C



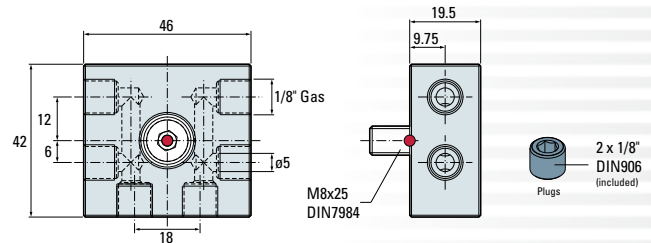
RD - Cooling Distributor

Connects the inlets and outlets of the water coming to and from the lifter.

Item Number
RD182012



Mat. 1.1730
Maximum working temperature 80°C.



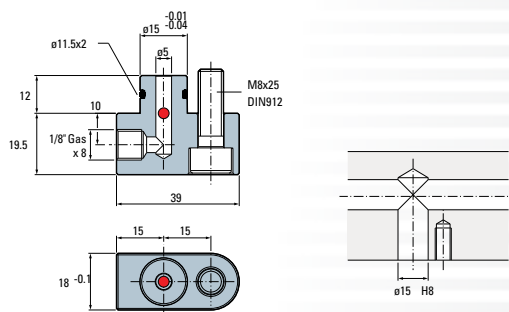
CK - Elbow

Connects the water coming from the external circuit.

Item Number
CK181839



Mat. 1.1730
Maximum working temperature 80°C.



Your One-Stop-Shop!

With tens of thousands of products to choose from, DME is your one-stop shop for everything molding. From complex undercuts solutions and plate control to standard pins, bushings and interlocks, the DME line of mold components will help you build or rebuild your mold base inside out, top to bottom. Industrial Supplies, Mold Bases, MUD® Quick-Change, Control Systems, and Hot Runner solutions round out our extensive offering to truly be your one-stop shop.



World Headquarters
DME Company LLC
29111 Stephenson Highway
Madison Heights, MI 48071
800-626-6653 *toll-free tel*
248-398-6000 *tel*
888-808-4363 *toll-free fax*
www.dme.net *web*
dme@dme.net *e-mail*

DME of Canada Ltd.
6210 Northwest Drive
Mississauga, Ontario
Canada L4V 1J6
800-387-6600 *toll-free tel*
905-677-6370 *tel*
800-461-9965 *toll-free fax*
dme_canada@dme.net *e-mail*

DME Mexico / South America
Circuito el Marques Notre, No.55
Parque Industrial El Marqués
El Marqués, Querétaro, CP 76246
52.442.713.5666 *tel*
dme_mexico@milacron.com

eSTORE
dme.net/estore
Shop online 24/7.