KONEK PSN

PRECISE MOLD ACCESSORIES
PRECYZYJNE AKCESORIA DO FORM

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KONEK PSN

AIR VALVES
ZAWORY POWIETRZNE

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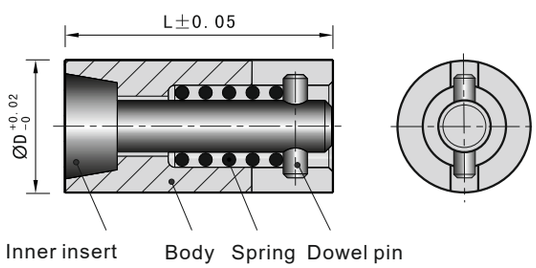
Air valves



KAJV

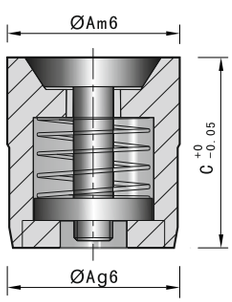
Features:
1.Body and valves are manufactured completely from stainless steel , Excellent rust resistance.
2.An effective method of release the vacuum created during plastic injection molding.
3.To substitute ejector pins or other ejector parts for diemould.

KAJV-D Material:S136 ardness:50-55HRC

Code	ØD	L	
KAJV	8	15	
	10	20	
	12	25	
	16	30	
	20		
	25		
	30		

DIN

KVVA-C



Features:
1.Small room with install,choice for many kinds standard.
2.Be better to use under the temperature 150.

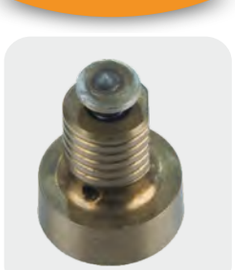
KVVA-C-065212 Material:S136 ardness:50-55HRC

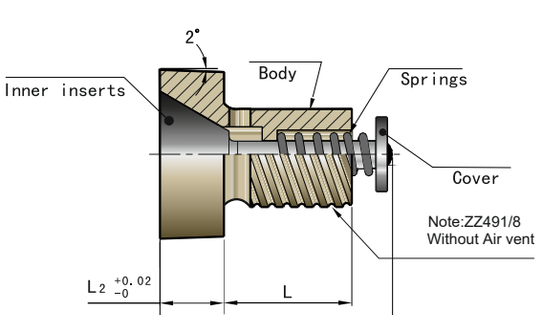
Code	A	C	
KVVA-C-065212	6	12	
KVVA-C-086512	8		
KVVA-C-100812	10		
KVVA-C-121012	12		
KVVA-C-161320	16	20	
KVVA-C-201720	20		

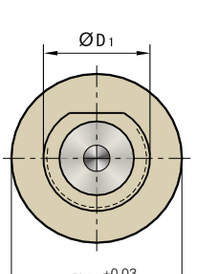
DIN

Air valves

KZZ491



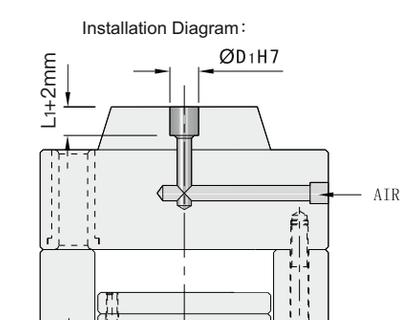




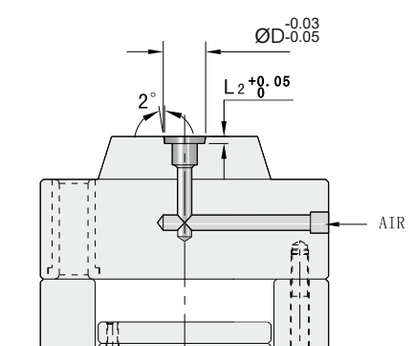
KZZ491-8 Material:Becu+Stainless steel

Cod	D	D1	L	L1	L2	max.℃	
KZZ491-8	8	6	8	16	5	250	
ZZ491-12	12	8	13	21			
ZZ491-16	16	10	12	22	6		

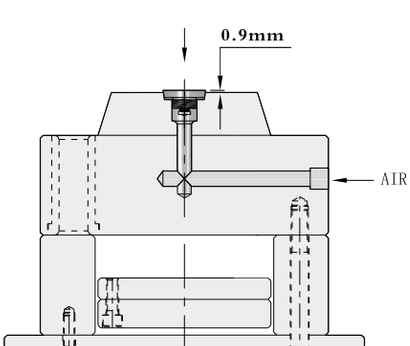
Installation Diagram:



1



2



3

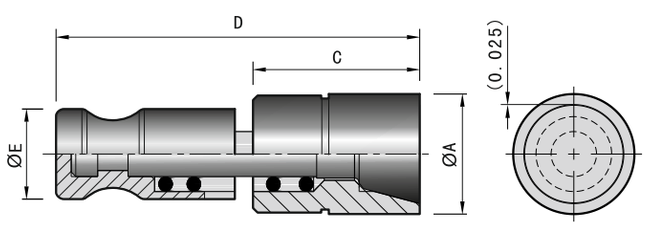
Installation Guidelines:

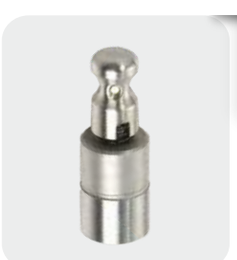
- Drill holes for air supply,drill and ream guide bore for special counter bore.
- Machine tapered counter bore using EDM or reamer for receiving air valves.(match with concrete objects)
- When placing Z491 loosely into receiving bore it will protrude approx 0.9mm above the contour surface.
- After pressing it into home position,the valves is secured against any extreme operation condition.

AISI

Air valves

KVVA

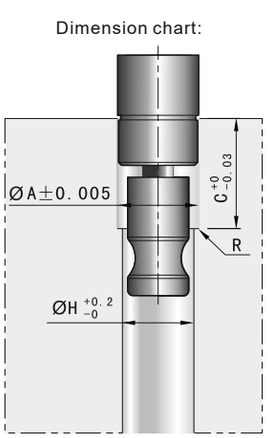




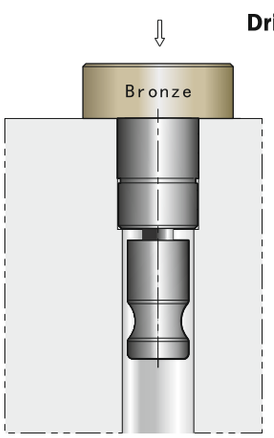
KVVA-01 Material:S136 ardness:50-55HRC

Code	A	C	D	E	H	R(max.)	
KVVA-01	8	11	24	6	6.75	0.1	
KVVA-02	12	18	34	8	9	0.2	
KVVA-03	18	22	45.5	12	14	0.3	

Dimension chart:



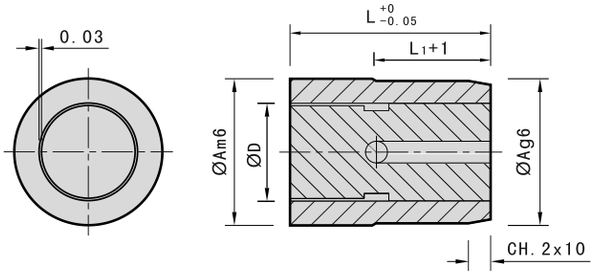
Drive in



DIN

Double valves

KVVD

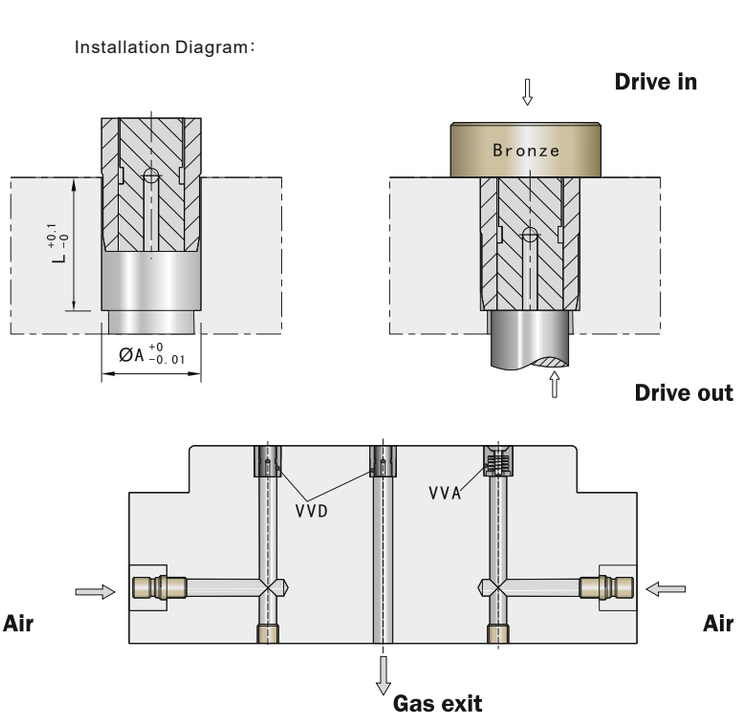


1. An effective method of semi pneumatic ejection
2. For tools with ribs or areas forming gas traps or vaccum condition.

KVVD-080512 Material:S136 ardness:50-55HRC

Code	A	D	L	L1	
KVVD-080512	8	5			
KVVD-100612	10	6	12	7	
KVVD-120812	12	8			
KVVD-161020	16	10	20	12	

Installation Diagram:



Installation Guidelines:

·Strike valves into hole with Rubber hammer.(when tear down valves , holes reservation which are drive out at the back side before install)

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LOCATING PART SERIES
ZAMKI

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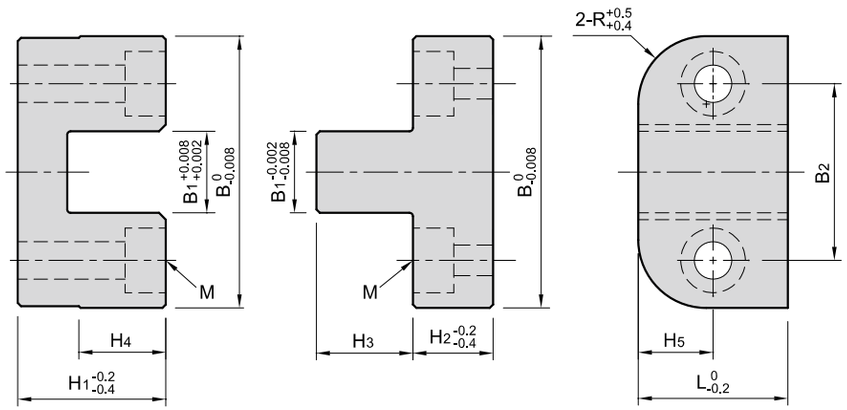
DIN

Square Interlocks

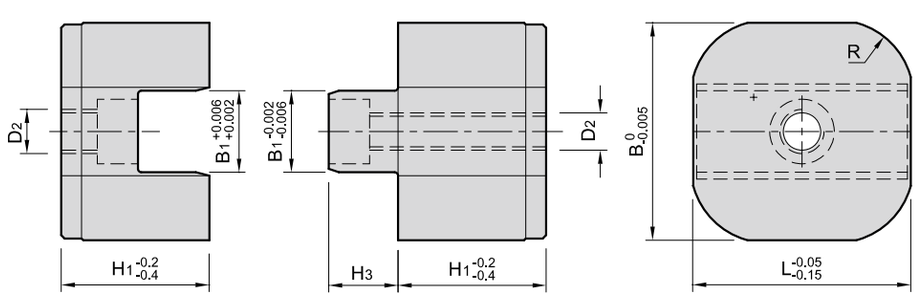
KEE1304



KEE1304-34

Code	B	B1	B2	H1	H2	H3	H4	H5	L	R	M	
KEE1304-34	34	10	22	18	10	12	11	9	18	8	M4	
KEE1304-40	40	12	26	22	12	14	13	11	22	10	M5	
KEE1304-50	50	18	34	30	15	18	17	15	30		M6	
KEE1304-64	64	22	42	40	18	24	23	20	40		M8	
KEE1304-72	72	26	48	46	20	28	27	26	52			

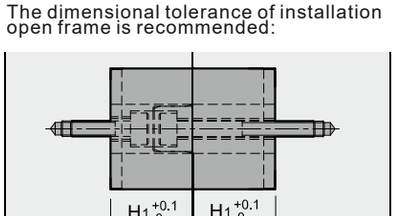
KEE1306

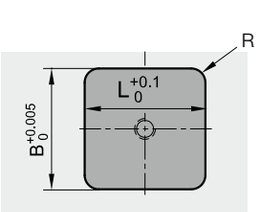


KEE1306-16

Code	B	B1	D2	H1	H3	L	R max.	M
KEE1306-16	16	8	M4	12	6	16	3.25	M3
KEE1306-20	20	10	M5	14	7	20	4.5	M4
KEE1306-25	25	12	M6	16	8	25	5.4	M5

The dimensional tolerance of installation open frame is recommended:

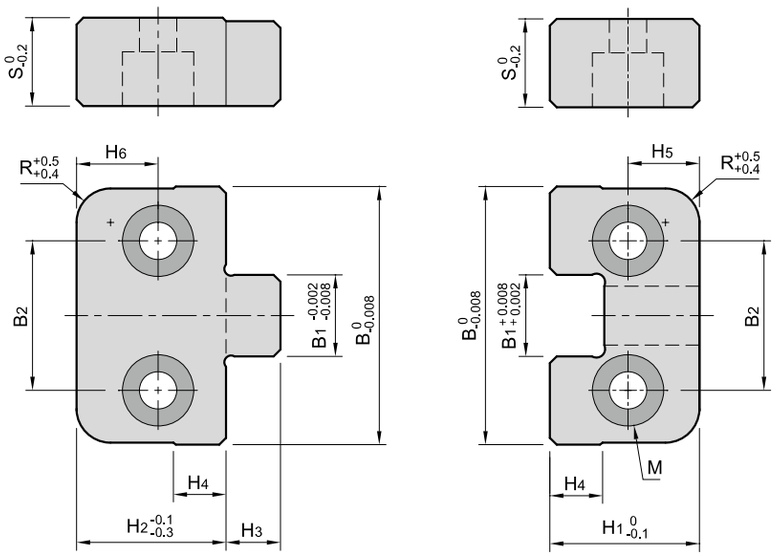




DIN

Square Interlocks

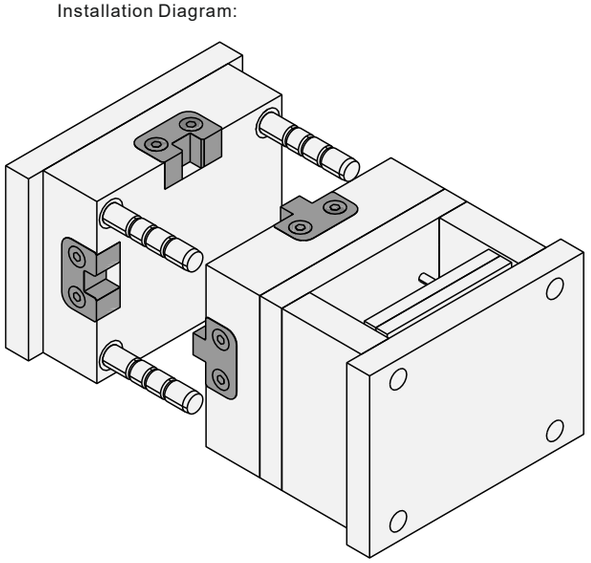
KEE1308



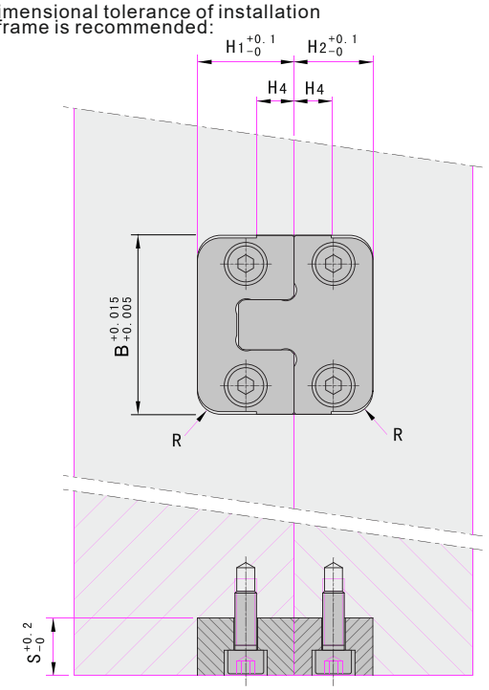
KEE1308-40

Code	B	B1	B2	H1	H2	H3	H4	H5	H6	S	R	M
KEE1308-40	40	10	26	17	14	11	6	8.5	7	10	4	M 5
KEE1308-46	46	12	30	22	17	12	7	11	8.5	12	5	M 6
KEE1308-50	50	14	34	27	22	16	10	13.5	11	16	6	M 6
KEE1308-60	60	18	40	36	27	20	14	18	13.5	20	8	M 8
KEE1308-76	76	24	50	40	36	25	18	20	18	25	10	M10

Installation Diagram:



The dimensional tolerance of installation open frame is recommended:



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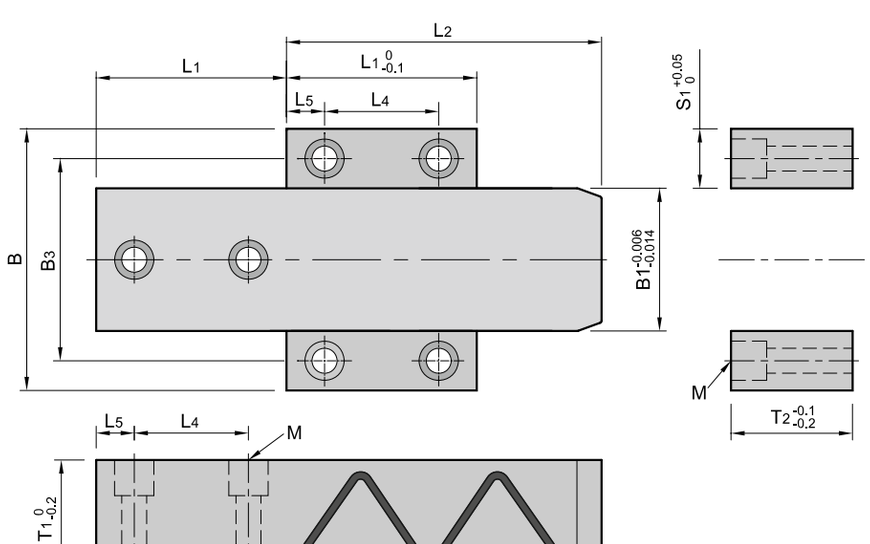
DIN

Square Interlocks

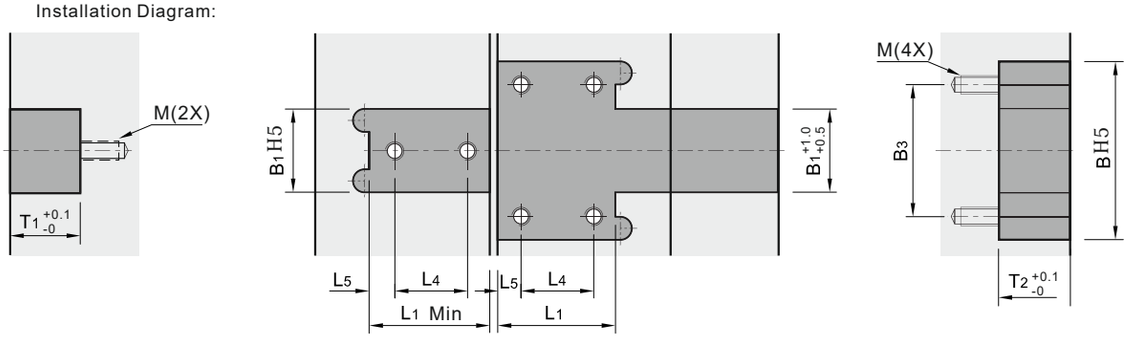
KEE1320



KEE1320-16-10-44

Code	B1	S1	L2	B	B3	L1	L4	L5	T1	T2	M	
KEE1320-16-10-44			44									
KEE1320-16-10-54	16	10	54	36	26	26	14	6	14	14.2	M 4	
KEE1320-16-10- 64			64									
KEE1320-25-12-54			54									
KEE1320-25-12-74	25	12	74	49	37	34	18		22	22.3	M 5	
KEE1320-25-12-94			94									
KEE1320-34-16-54			54					8				
KEE1320-34-16-94	34	16	94	66	50	44	28		30	30.5	M 6	
KEE1320-34-16-134			134									
KEE1320-34-16-174			174									
KEE1320-46-20-74			74									
KEE1320-46-20-114	46	20	114	86	66	62	38	12	38	38.8	M 8	
KEE1320-46-20-154			154									
KEE1320-46-20-194			194									
KEE1320-60-25-94			94									
KEE1320-60-25-134			134									
KEE1320-60-25-174	60	25	174	110	85	80	48	16	50	51.2	M10	
KEE1320-60-25-214			214									
KEE1320-60-25-254			254									
KEE1320-80-32-114			114									
KEE1320-80-32-154			154									
KEE1320-80-32-194	80	32	194	144	112	98	58	20	70	71.6	M12	
KEE1320-80-32-234			234									
KEE1320-80-23-274			274									
KEE1320-80-32-314			314									

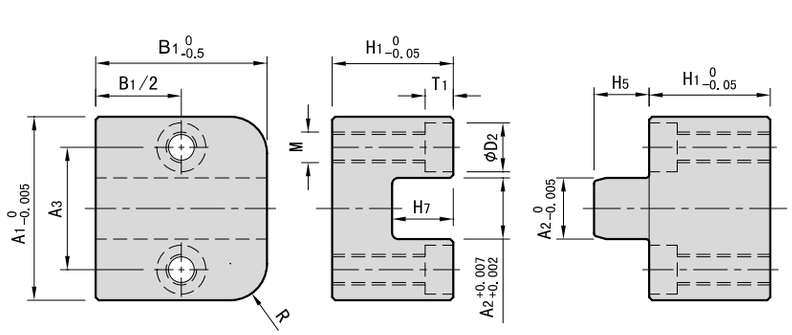
Installation Diagram:



DIN

Square Interlocks

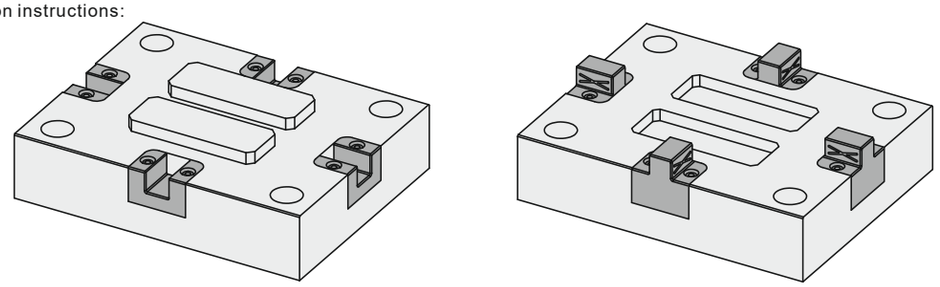
KZ Z085-...-1



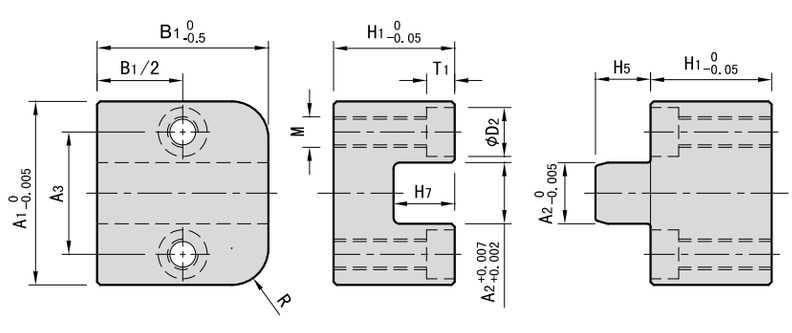
KZZ085-30-28-1

Code	A1	B1	Typ	A2	A3	H7	H5	H1	R	T1	D2	M
KZZ085-30-28-1	30	28		10	20	10	9	19.8	6	4.6	8	M5
KZZ085-50-33-1	50	33	1	20	35	17.5	16.5	29.8	8	6.8	11	M8
KZZ085-75-38-1	75	38		30	52	25	24	39.8	10	9	15	M10

Installation instructions:



KZ Z085-...-2



KZZ085-30-28-2

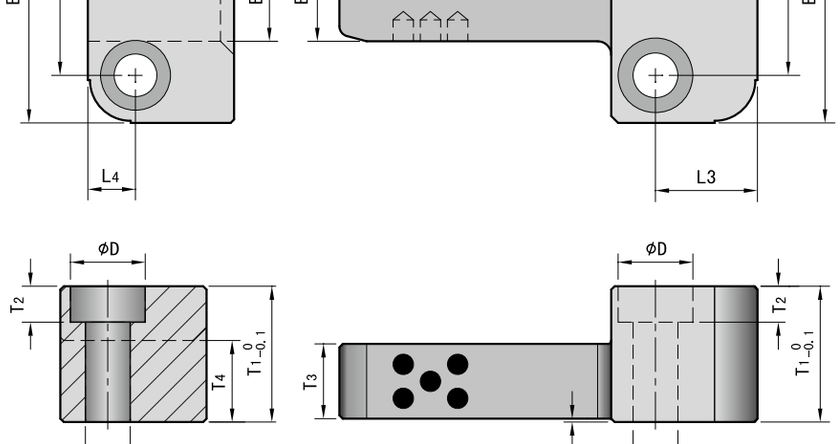
Code	A1	B1	Typ	A2	A3	H7	H5	H1	R	T1	D2	M
KZZ085-30-28-2	30	28		10	20	10	9	19.8	6	4.6	8	M5
KZZ085-50-33-2	50	33	2	20	35	17.5	16.5	29.8	8	6.8	11	M8
KZZ085-75-38-2	75	38		30	52	25	24	39.8	10	9	15	M10

KONEK PSN

DIN

Square Interlocks

KZZ07
KZZ17



KZZ17 KZZ07

KZZ07/17-22-16-20

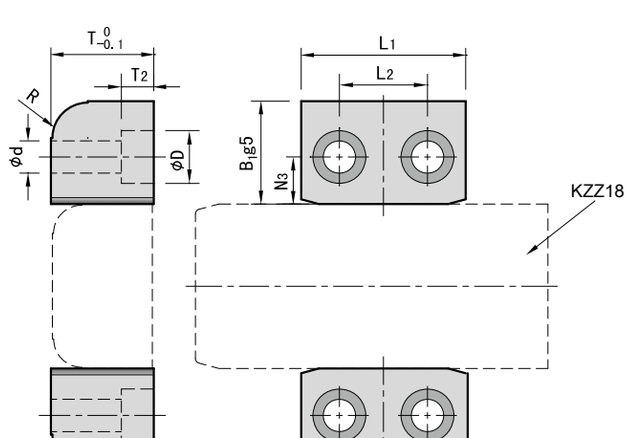
T4	R	T3	T2	T1	D	d	L4
12	6	11	6.9	20	11	6.6	7
14		13		22			
15	8	14		25			9
20		19	9	32	15	9	11
23	10	22	11	36	18	11	15
25		24	13	40	20	14	18

Code	L3	B3	B1	L2	B2	L1	
KZZ07/17-22-16- 20	15	26	40	22	16	20	
KZZ07/17-22-16- 40						40	
KZZ07/17-27-20- 25	19	31	45	27	20	25	
KZZ07/17-27-20- 50						50	
KZZ07/17-36-25- 32	27	35	50	36	25	32	
KZZ07/17-36-25- 63						63	
KZZ07/17-46-32- 40	35	45	63	46	32	40	
KZZ07/17-46-32- 80						80	
KZZ07/17-56-40- 50	40	60	85	56	40	50	
KZZ07/17-56-40-100						100	
KZZ07/17-66-50- 56	48	74	100	66	50	56	
KZZ07/17-66-50-112						112	

DIN

Square Interlocks

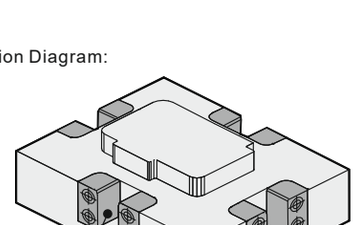
KZZ19

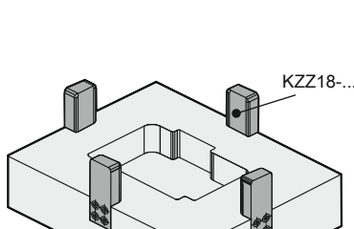


KZZ19-18-18-27

Code	R	T2	D	d	N3	L2	B1	T	L1	
KZZ19-18-18-27	6	5.7	10	5.5	8	12	18	18	27	
KZZ19-20-22-36		6.8	11	6.6	10	16	20	22	36	
KZZ19-25-30-46	8	9	15	9	11	24	25	30	46	
KZZ19-32-32-56	10	11	18	11	16	30	32	32	56	
KZZ19-35-35-56	12						35	35		
KZZ19-40-50-76	15	13	20	13.5	17	40	40	50	76	
KZZ19-45-65-86					20	50	45	65	86	

Installation Diagram:

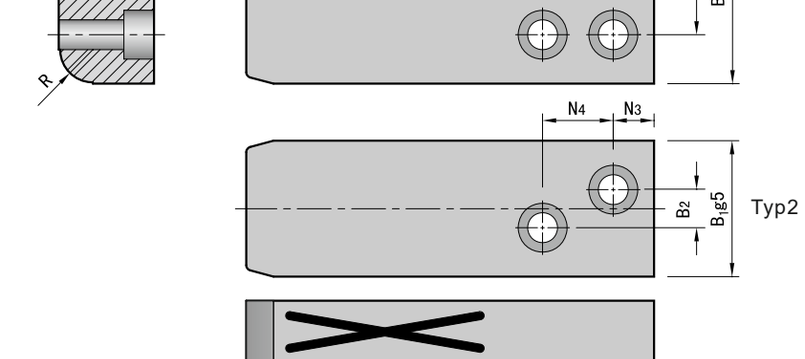




DIN

Square Interlocks

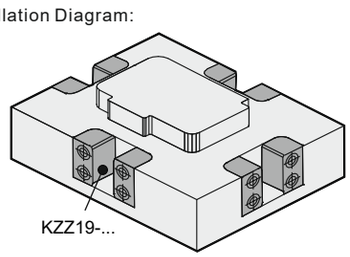
KZZ18

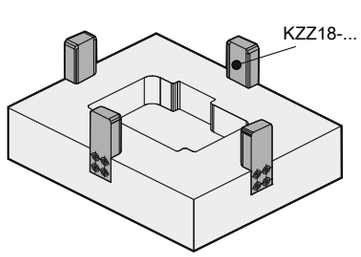


KZZ18-20-18-50

Code	B1	T	L1	D	d	B2	N4	N3	R	T2	Typ	
KZZ18- 20-18- 50	20	18	50	10	5.5	7	9	8	6	5.7	1	
KZZ18- 20-18- 75			75									
KZZ18- 20-18- 90			90									
KZZ18- 32-22- 70	32	22	70	11	6.6	14	18	9		6.8	2	
KZZ18- 32-22- 90			90									
KZZ18- 32-22-112			112									
KZZ18- 32-22-125			125									
KZZ18- 32-22-150			150									
KZZ18- 50-30- 90	50	30	90	15	9	24	21	12	8	9		
KZZ18- 50-30-125			125									
KZZ18- 50-30-150			150									
KZZ18- 50-30-175			175									
KZZ18- 50-30-200			200									
KZZ18- 63-32-112	63	32	112	18	11	30	26	15	10	11		
KZZ18- 63-32-150			150									
KZZ18- 63-32-175			175									
KZZ18- 63-32-200			200									
KZZ18- 63-32-250			250									
KZZ18- 80-35-112	80	35	112			44			12			
KZZ18- 80-35-150			150									
KZZ18- 80-35-175			175									
KZZ18- 80-35-200			200									
KZZ18- 80-35-250			250									
KZZ18-100-50-175	100	50	175	20	13.5	55	32	18	15	13		
KZZ18-100-50-200			200									
KZZ18-100-50-250			250									
KZZ18-120-65-200	120	65	200			75	35	20				
KZZ18-120-65-250			250									
KZZ18-120-65-300			300									

Installation Diagram:





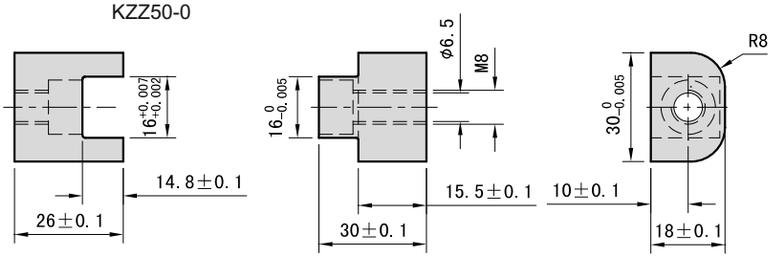
KONEK PSN

DIN

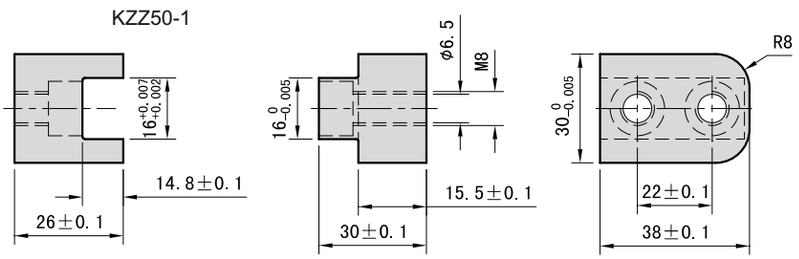
Square Interlocks

KZ Z50

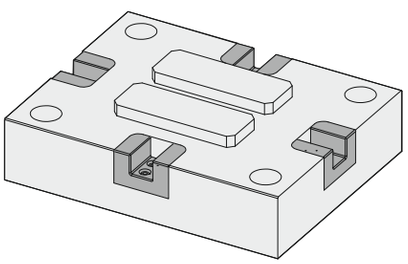
KZZ50-0

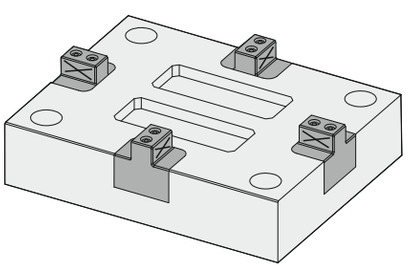


KZZ50-1

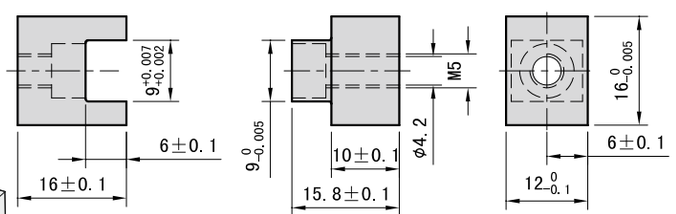


Installation Diagram:

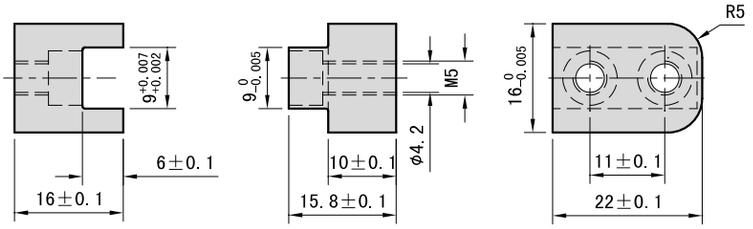




KZZ50-02



KZZ50-05



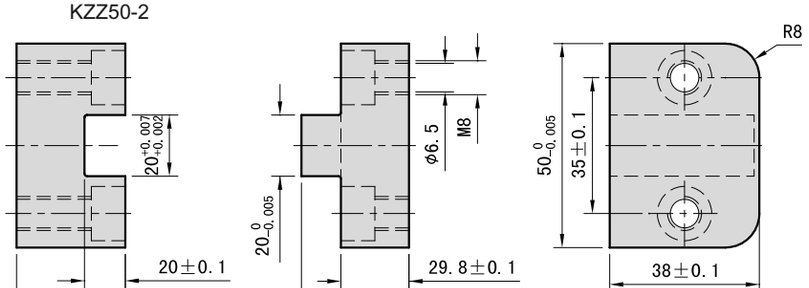
KONEK PSN

DIN

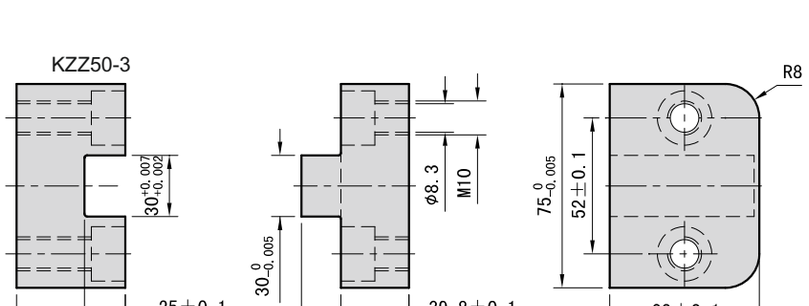
Square Interlocks

KZ Z50

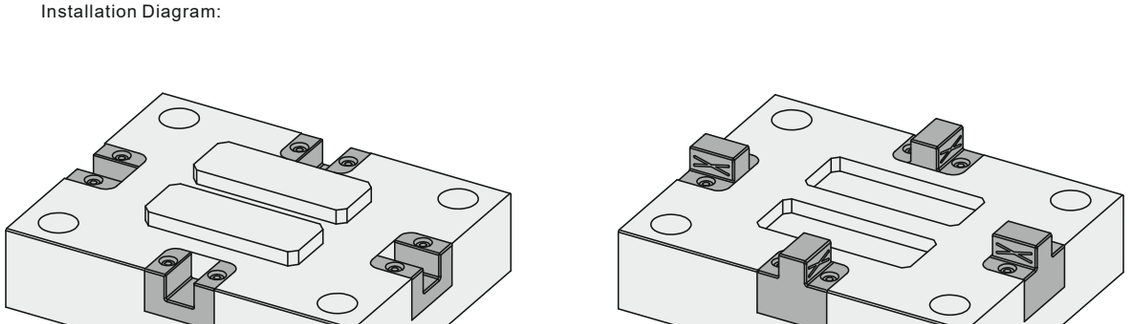
KZZ50-2



KZZ50-3



Installation Diagram:



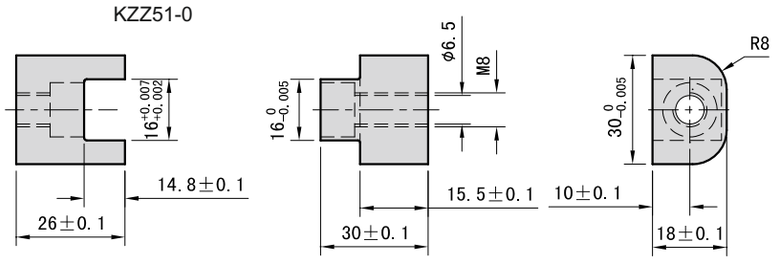
KONEK PSN

DIN

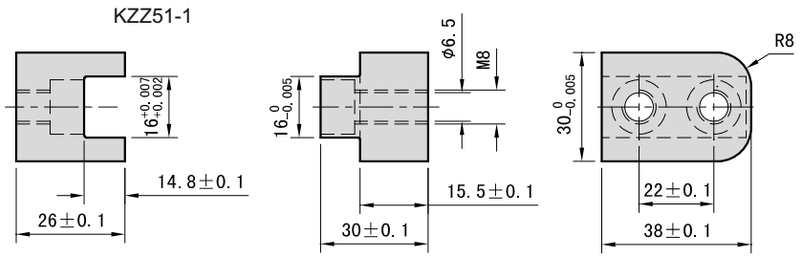
Square Interlocks

KZ Z51

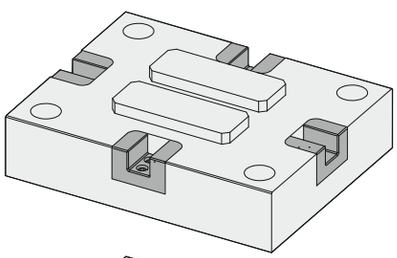
KZZ51-0

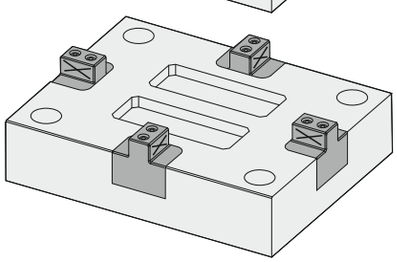


KZZ51-1

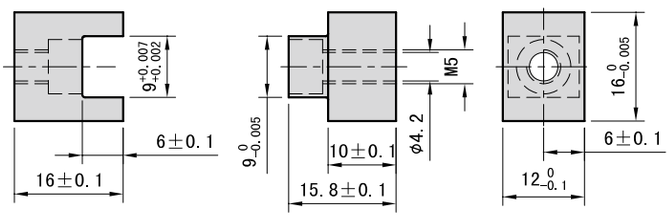


Installation Diagram:

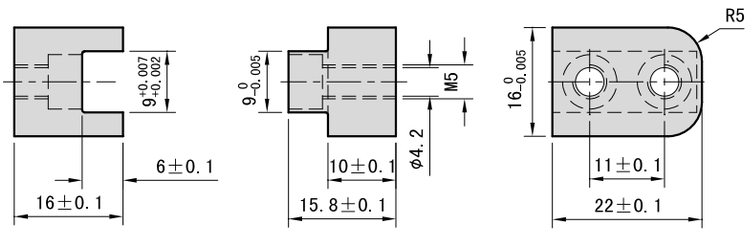




KZZ51-02



KZZ51-05

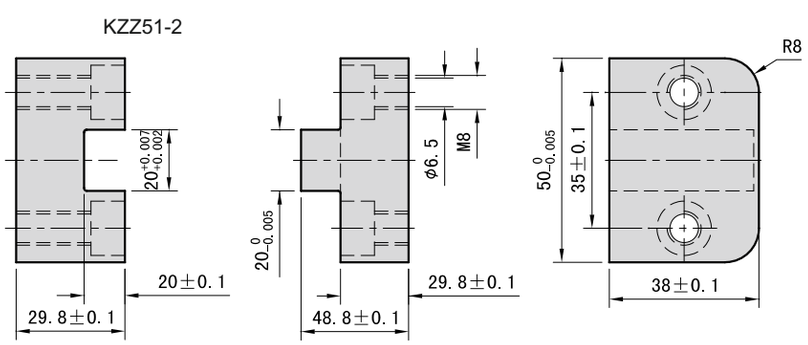


DIN

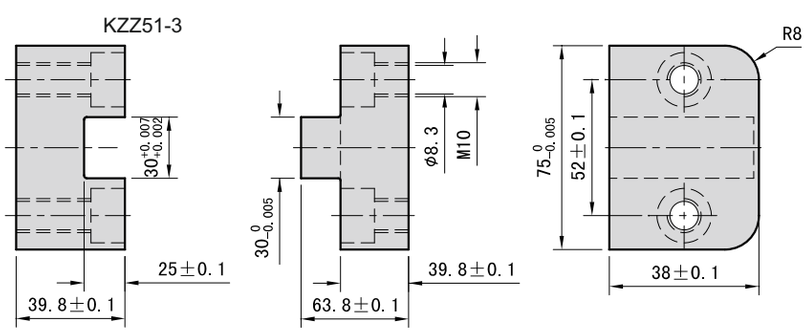
Square Interlocks

KZ Z51

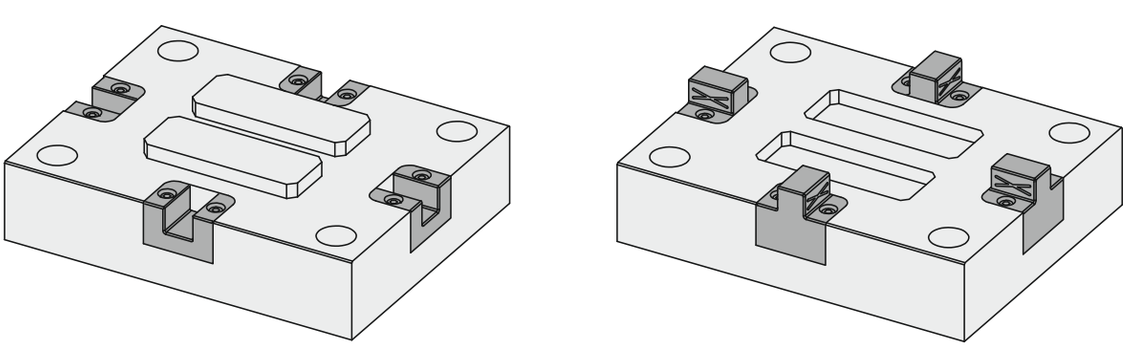
KZZ51-2



KZZ51-3



Installation Diagram:

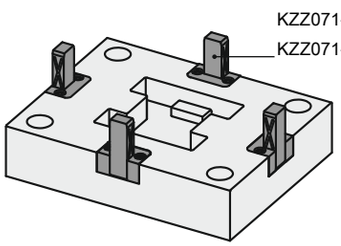


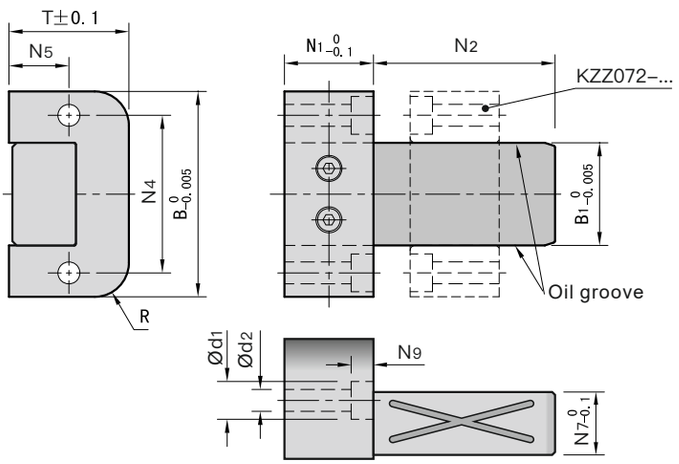
KONEK PSN

DIN

Square Interlocks

KZ Z071-...-1

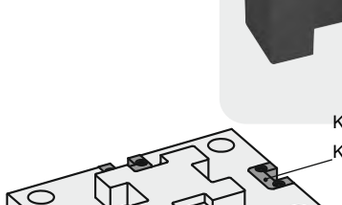


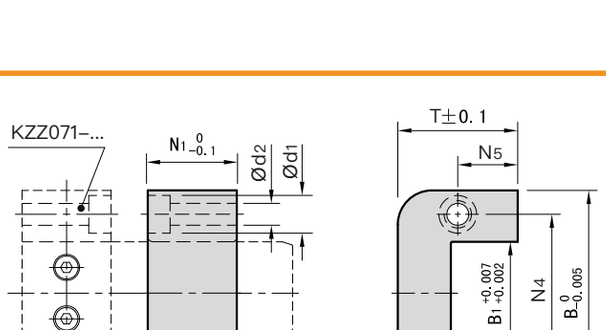


KZZ071-B1-N1-N2-Typ

B1	N1	N2	Typ	B	N4	N5	N7	N9	d1	d2	T	R	
20	22	22	1	47	34	13.5	13.5	6.8	11	6.6	27	6	
25	27	40		52	39	15	14.5				30	8	
32	36	63		67	49	20	19.5	9	15	9	40		
40	46	40		88	63	27	22.5	11	18	11	50	10	
50	56	80		100	75	27.5	24.5	13	20	14	55		
		50											
		100											
		56											
		112											

KZ Z072-...-2





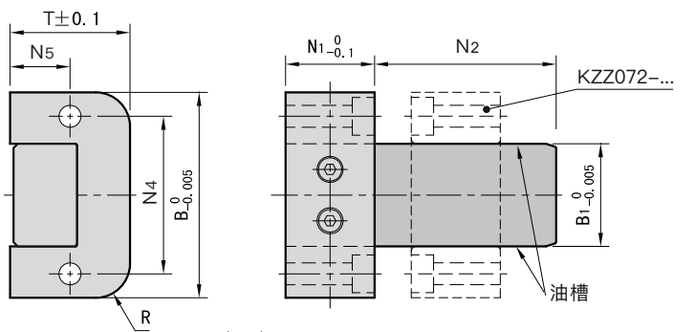
KZZ072-B1-N1-Typ

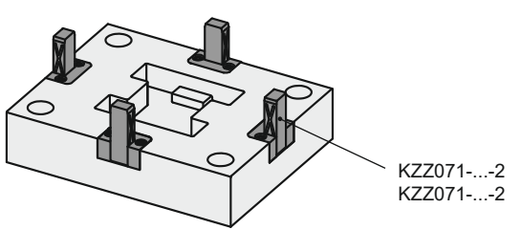
B1	N1	Typ	B	N4	N5	N7	N9	d1	d2	T	R	
20	22	2	47	34	13.5	13.5	6.8	11	6.6	27	6	
25	27		52	39	15	14.5				30	8	
32	36		67	49	20	19.5	9	15	9	40		
40	46		88	63	27	22.5	11	18	11	50	10	
50	56		100	75	27.5	24.5	13	20	14	55		

DIN

Square Interlocks

KZ Z071-...-2

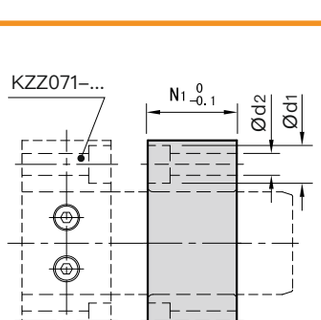


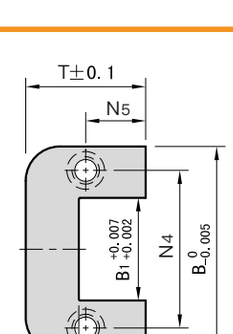


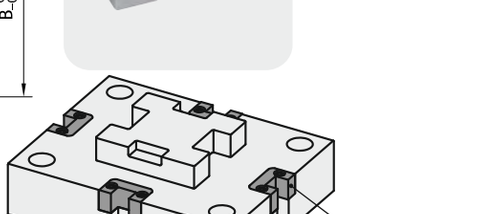
KZZ071-B1-N1-N2-Typ

B1	N1	N2	Typ	B	N4	N5	N7	N9	d1	d2	T	R	
20	22	22	2	47	34	13.5	13.5	6.8	11	6.6	27	6	
25	27	40		52	39	15	14.5				30	8	
32	36	63		67	49	20	19.5	9	15	9	40		
40	46	40 80		88	63	27	22.5	11	18	11	50	10	
50	56	50 100 56 112		100	75	27.5	24.5	13	20	14	55		

KZ Z072-...-1







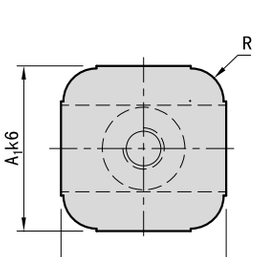
KZZ072-B1-N1-Typ

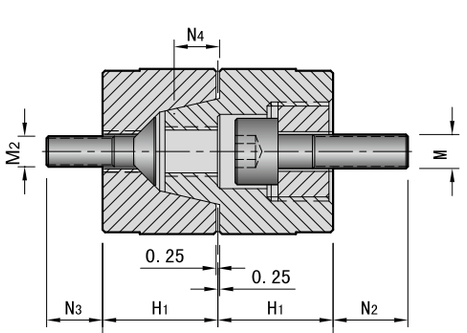
B1	N1	Typ	B	N4	N5	N7	N9	d1	d2	T	R	
20	22	1	47	34	13.5	13.5	6.8	11	6.6	27	6	
25	27		52	39	15	14.5				30	8	
32	36		67	49	20	19.5	9	15	9	40		
40	46		88	63	27	22.5	11	18	11	50	10	
50	56		100	75	27.5	24.5	13	20	14	55		

DIN

Square Interlocks

KZZ060

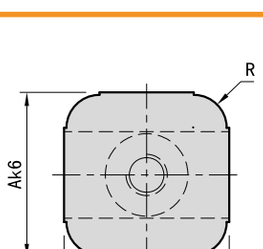


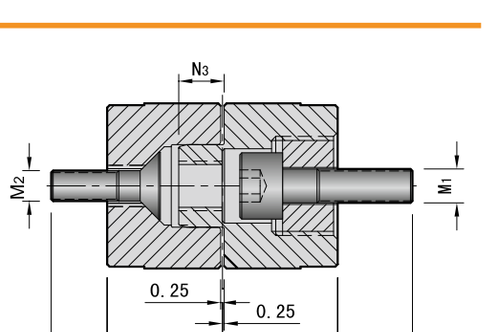


KZZ060-20×20

Code	R	H1	N1	N2	N3	N4	A1	B1	M	M2	
KZZ060-20×20	4	14	28	12	4	5.5	20	20	M 5	M4	
KZZ060-25×25	5	16	32	13	8	7.5	25	25	M 6	M5	
KZZ060-32×32	6	18	36	15	12	9.5	32	32	M 8	M6	
KZZ060-40×40		22.5	45	17	10	11.5	40	40	M10	M8	

KZZ08

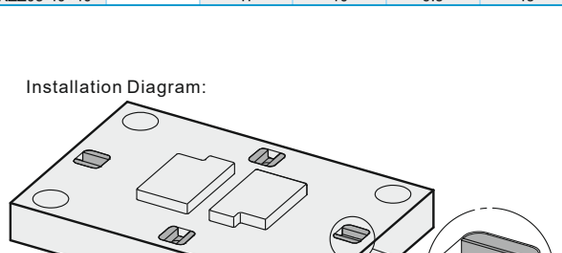


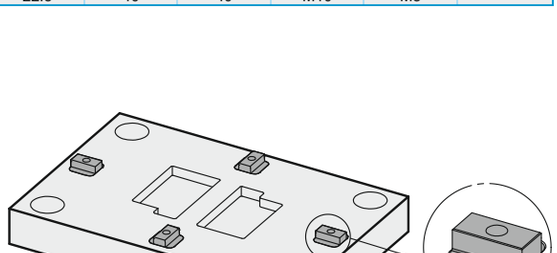


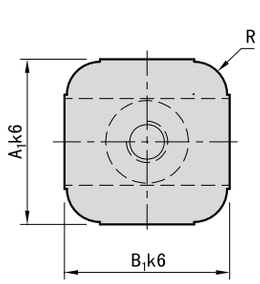
KZZ08-20×20

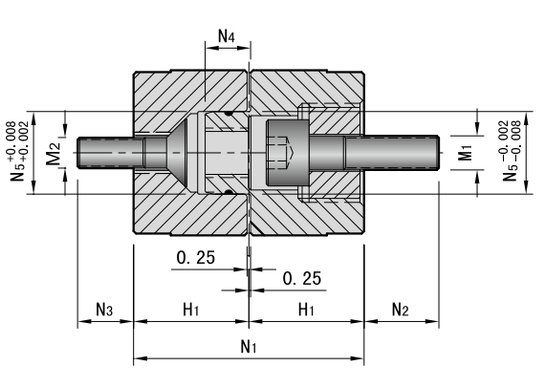
Code	R	N1	N2	N3	N	H	A	B	M1	M2	
KZZ08-20×20	4	12	4	3.5	28	14	20	20	M 5	M4	
KZZ08-25×25	5	13	8	5.5	32	16	25	25	M 6	M5	
KZZ08-32×32	6	15	12	7.5	36	18	32	32	M 8	M6	
KZZ08-40×40		17	10	9.5	45	22.5	40	40	M10	M8	

Installation Diagram:









DIN

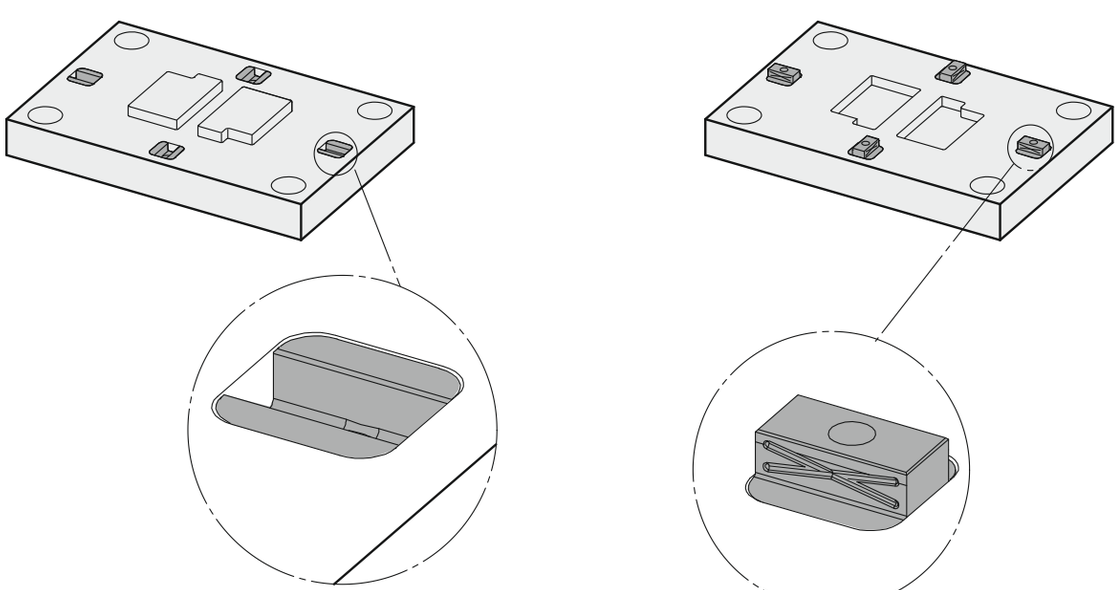
Square Interlocks

KZZ080

KZZ080-20×20

Code	R	H1	N1	N2	N3	N4	A1	B1	M1	M2	
KZZ080-20×20	4	14	28	12	4	5.5	20	20	M 5	M4	
KZZ080-25×25	5	16	32	13	8	7.5	25	25	M 6	M5	
KZZ080-32×32	6	18	36	15	12	9.5	32	32	M 8	M6	
KZZ080-40×40		22.5	45	17	10	11.5	40	40	M10	M8	

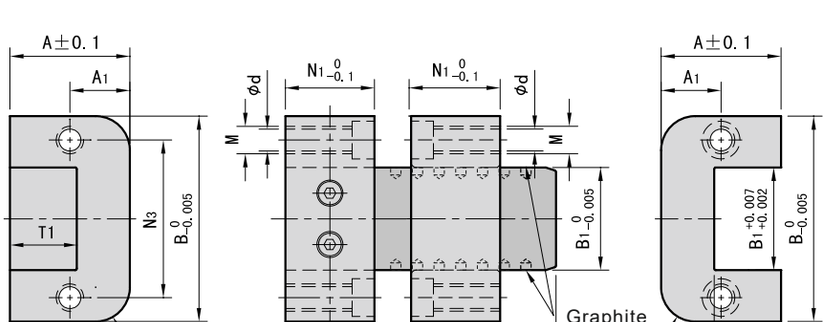
Installation Diagram:



DIN

Square Interlocks

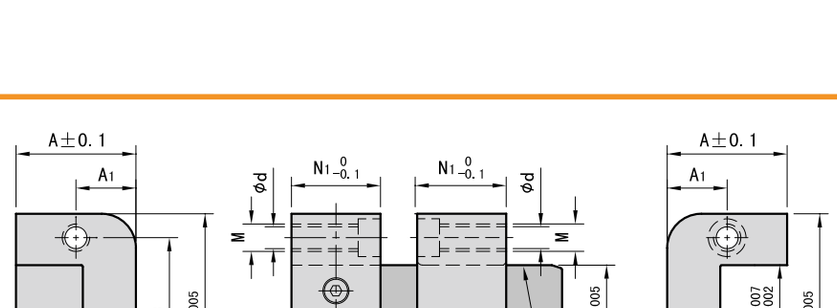
KZZ48-S



KZZ48-S-B1-N1-N2

B1	N1	N2	N3	A	B	d	A1	T1	T2	R	M
16	20	20 40	30	22	45	6.8	11	11.5	12	8	M 8
30	26	40 63	46	35	60		17.5	19.5	20	10	
48	36	32 50 63 80	74	46	100	10.3	23	25.5	26	12.5	M12
77	56	50 71 100	114	60	150	14	30	35.5	36	16	M16

KZ Z46-S



KZZ46-S-B1-N1-N2

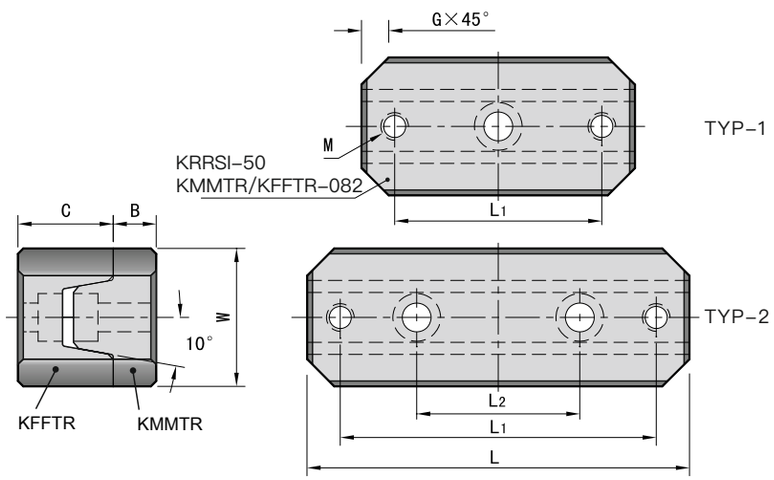
B1	N1	N2	N3	A	B	d	A1	T1	T2	R	M
16	20	20 40	30	22	45	6.8	11	11.5	12	8	M 8
30	26	40 63	46	35	60		17.5	19.5	20	10	
48	36	32 50 63 80	74	46	100	10.3	23	25.5	26	12.5	M12
77	56	50 71 100	114	60	150	14	30	35.5	36	16	M16

KONEK PSN

AISI

Square Interlocks

KMMTR
KFFTR
KRRSI



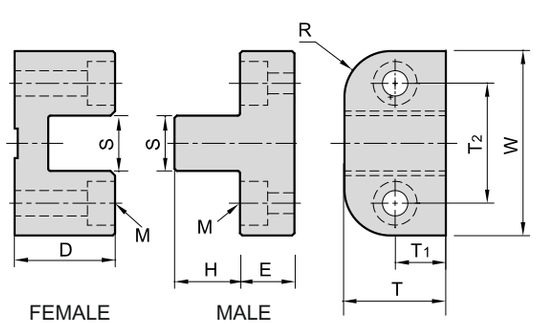
KMMTR/KFFTR-082

Code	Typ	G	L2±.005	L±.010	W+.000 -.001	MMTR B±.005	FFTR C±.005	M	L1	Mounting screws	
KMMTR/KFFTR-082	1		-	1.980	0.999	0.312	0.69	1/ 4-20	1.50	NO.10-24	
KMMTR/KFFTR-104	2	0.2	2.500	3.980	1.249	0.375	0.87		3.38	1/ 4-20	
KMMTR/KFFTR-126			4.000	5.980	1.499	0.500	1.00	5/16-18	5.25	5/16-18	

KRRSI-50

Code	L -0 -0.1	L1	L2	W -0 -0.01	B -0 -0.01	C -0 -0.01	G	M	
KRRSI- 50	50	36	-	25	8	17.5	5	M5	
KRRSI-100	100	88	60	30	10	22		M6	
KRRSI-150	150	132	100	40	13	25		M8	

KTTL-P



KTTL-P-100

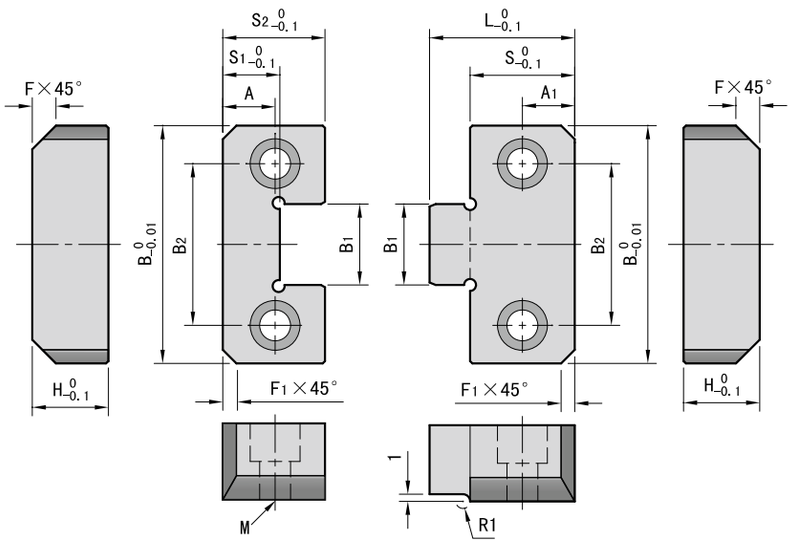
Code	W+.0000 -.0004	T+.000 -.002	H+.000 -.010	S.0002 TOTAL	D+.000 -.002	R+.010 -.000 RADIUS	E+.000 -.002
KTTL-P-100	1.0000	0.500	0.275	0.187	0.500	0.187	0.375
KTTL-P-125	1.2500	0.625	0.375	0.250	0.625	0.250	0.500
KTTL-P-150	1.5000	0.875	0.500	0.250	0.875	0.250	0.750
KTTL-P-200	2.0000	1.000	0.625	0.375	1.125	0.375	0.750
KTTL-P-300	3.0000	1.125	0.750	1.500	1.500	1.500	0.750

Code	OVERALL HEIGHT	T1	T2	M MALE(2)	M FEMALE(2)	
KTTL-P-100	0.875	0.250	0.688	6-32×1/2	6-32×5/8	
KTTL-P-125	1.125	0.312	0.875			
KTTL-P-150	1.625	0.437	1.000	8-32×3/4	8-32×3/4	
KTTL-P-200	1.875	0.7500	1.375	10-32×3/4	10-32× 1	
KTTL-P-300	2.250	1.1250	2.250	1/4-20×3/4	1/4-20×1-1/2	

AISI

Square Interlocks

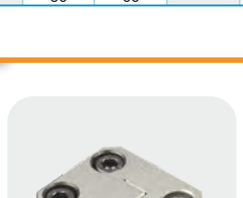
KFFW45

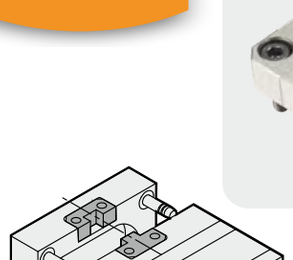


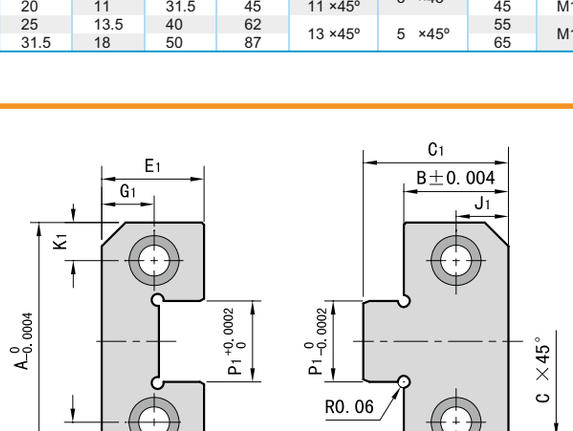
KFFW45-40

Code	B	S	S1	S2	N	A	H	A1	B1	B2	F	F1	L	M
KFFW45-40	40	17	12	27	12	6	10	8.5	14	22	6.5×45°	2.5×45°	31	M 5
KFFW45- 50	50		17	36	15	8.5	12.5		20	32		3 ×45°	35	M 6
KFFW45- 75	75	22	22	46	20	11	20	11	31.5	45	11 ×45°		45	M10
KFFW45-100	100	27	27	56	25	13.5	25	13.5	40	62	13 ×45°	5 ×45°	55	M12
KFFW45-125	125	36	36	66		18	31.5	18	50	87			65	

KPPLM
KPPLF







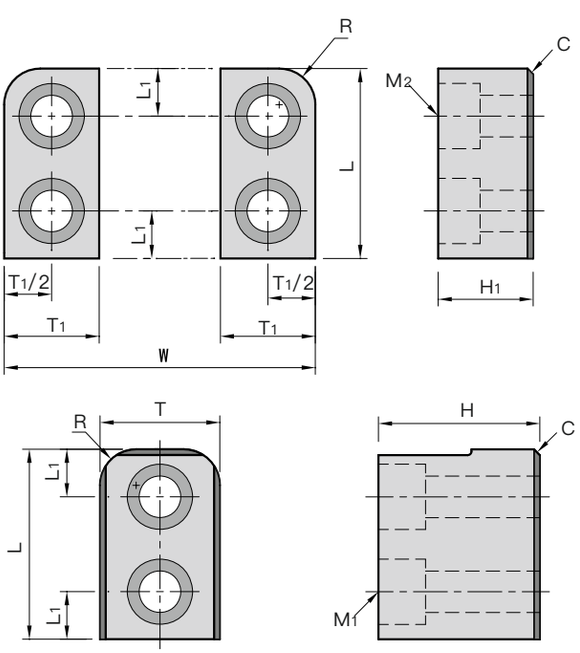
KPPLM/KPPLF-0001

Code	A	B	C1	P1	E1	Mounting screws	G1	J1	K1	L1	C	
KPPLF-0001	1.5000	0.870	1.18	0.5000	0.870	1/4-20×3/4	0.281	0.437	0.281	0.620	0.19	
KPPLM-0001												
KPPLM-0002	2.0000			0.6800			0.375		0.375			
KPPLF-0002												
KPPLF-0003	3.0000	1.360	1.910	1.0000	1.370	3/8-16×1	0.688	0.688		0.745		
KPPLM-0003												
KPPLM-0004	4.0000	1.870	2.640	1.3750	1.870	1/2-13×1 1/4	0.875	0.875	0.625		0.50	
KPPLF-0004												
KPPLF-0005	5.0000			1.7500					0.750	1.120		
KPPLM-0005												

AISI

Square Interlocks

KGGL
KGGLM



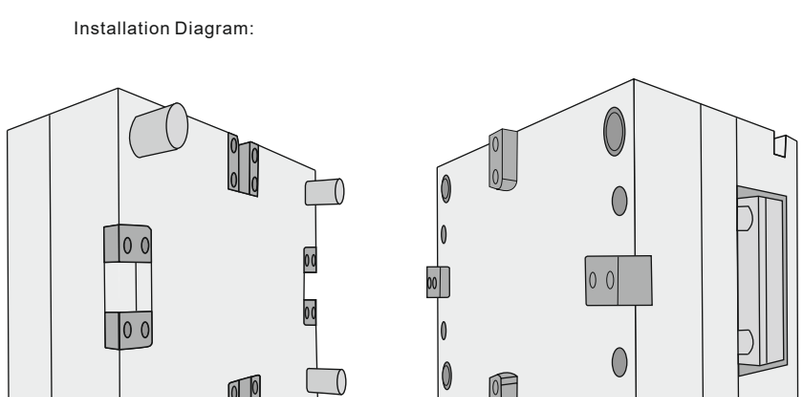
KGGL-100-150

Code	L +.000 -.010	C +.0000 -.0003	H1 +.000 -.005	T +.0000 -.0003	H +.00 -.01	S±.01	R Pocket Radius	C Chamfer	M1	M2
KGGL-100-150	1.000	0.500	0.500	0.500	0.85	0.25	0.187	0.03	#10-32×1"	#10-32×5/8"
KGGL-100-250	1.500	0.750	0.750	0.750	1.35	0.31	0.250	0.06	#1/4-20×1-1/2"	#1/4-20×7/8"
KGGL-100-350	2.000	1.000	1.000	1.000	1.73	0.44	0.375	0.06	#3/8-16×2"	#3/8-16×1-1/4"
KGGL-100-450	2.500	1.250	1.250	1.250	2.11	0.56	0.500	0.09	#1/2-13×2-1/4"	#1/2-13×1-1/2"

KGGLM25-45

Code	L +.00 -.25	W	L1 +.00 -.01	H1 +.00 -.12	T +.00 -.01	H +.0 -.2	L1±.2	R Pocket Radius	C Chamfer	M1	M2
KGGLM-25-45	25	45	15	15	15	24	7	4	1	M:M4×25	F:M4×14
KGGLM-40-65	40	65	20	20	25	34	10	9	1.5	M:M5×35	F:M5×22
KGGLM-50-90	50	90	25	25	40	44				M:M6×45	F:M6×30

Installation Diagram:



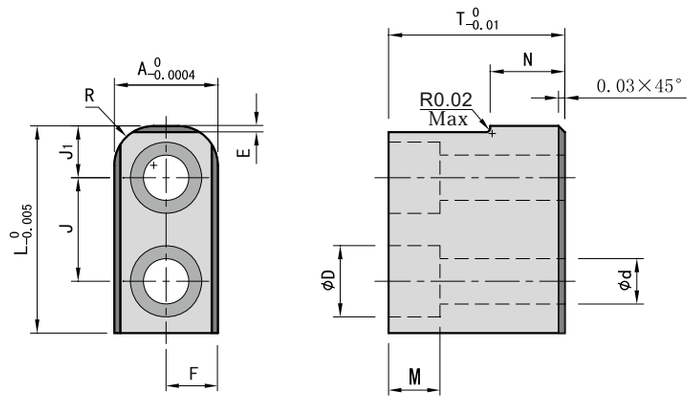
Installation Guidelines:

- Provides positive alignment for molds with interlocking cavities and core,Present the core of wear and damage in.
- Recommended 4sets per mold,mount on centerline on all four sides mold closed.

AISI

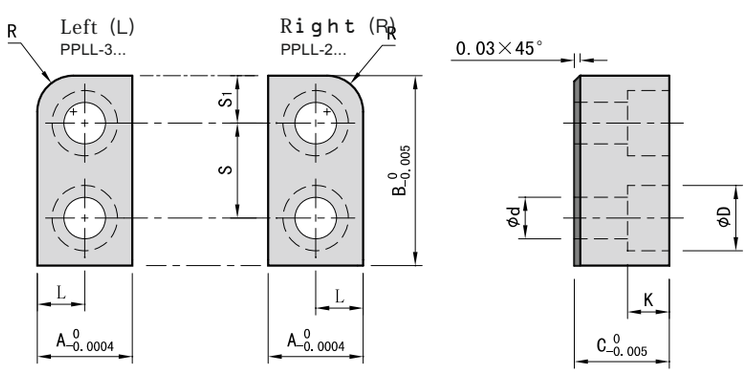
Square Interlocks

KPPLL



KPPLL-1001

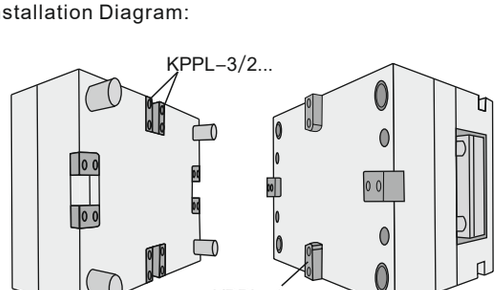
Code	A	L	T	E	F	R	J1	J	d	D	M	N
KPPLL-1001	0.4998	1.000	0.85	0.030	0.250	0.19	0.250	0.500	0.219	0.344	0.22	0.36
KPPLL-1002	0.9998	1.500	1.35	0.060	0.500	0.25	0.312	0.875	0.281	0.406	0.28	0.61
KPPLL-1003	1.4998	2.000	1.72	0.060	0.750	0.38	0.438	1.125	0.406	0.594	0.41	0.73
KPPLL-1004	1.9998	2.500	2.10	0.060	1.000	0.50	0.562	1.375	0.531	0.781	0.53	0.86



KPPLL-3001/2001

Code		A	B	C	R	S1	S	d	D	K	L
KPPLL-3001	PPLL-2001	0.5000	1.000	0.500	0.19	0.250	0.500	0.219	0.344	0.22	0.250
KPPLL-3002	PPLL-2002	0.7500	1.500	0.750	0.25	0.312	0.875	0.281	0.406	0.28	0.375
KPPLL-3003	PPLL-2003	1.0000	2.000	1.000	0.38	0.438	1.125	0.406	0.594	0.41	0.500
KPPLL-3004	PPLL-2004	1.2500	2.500	1.250	0.50	0.562	1.375	0.531	0.781	0.53	0.625

Installation Diagram:



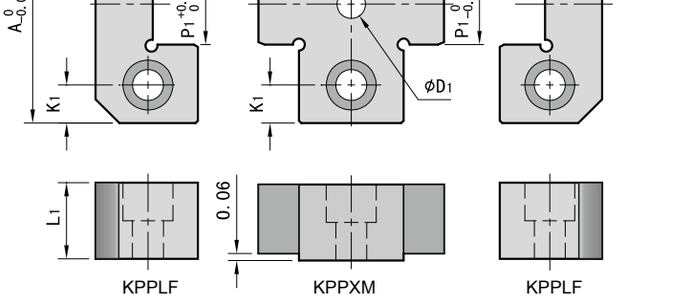
Installation Guidelines:

- Provides positive alignment for molds with interlocking cavities and core,Present the core of wear and damage in.
- Recommended 4sets per mold,mount on centerline on all four sides mold closed.

AISI

Square Interlocks

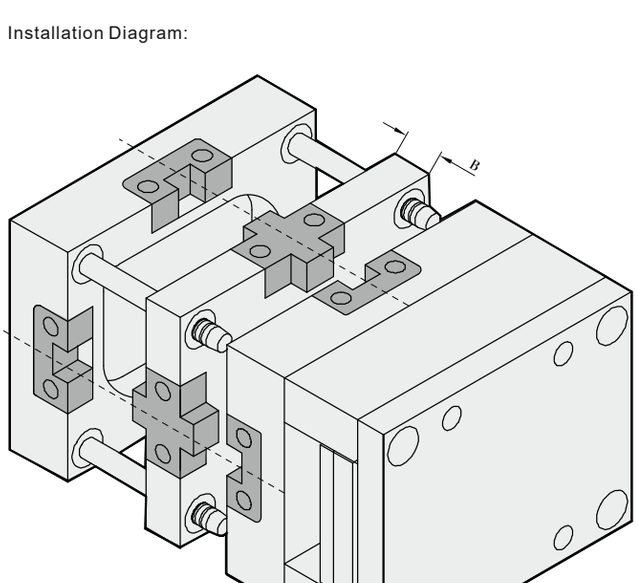
KPPLF
KPPXM

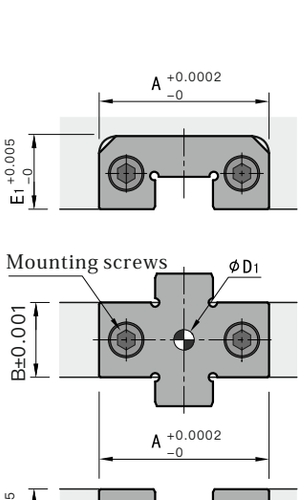


KPPLF-0001/PPXM-1001

Code		B	A	C	P	E1	Mounting screws	G1	K1	L1	C1	ØD1	
KPPLF-0001 (2 REQ'D)	PPXM1001	0.875	1.5000	1.470	0.5000	0.870	1/4-20×3/4	0.281	0.281	0.620	0.19	0.2500	
	PPXM2001	1.375		1.970									
KPPLF-0002 (2 REQ'D)	PPXM1002	0.875	2.0000	1.470	0.6800			0.375	0.375				
	PPXM2002	1.375		1.970									
KPPLF-0003 (2 REQ'D)	PPXM1003	0.875	3.0000	1.950	1.0000	1.370	3/8-16× 1	0.688		0.745		0.3750	
	PPXM2003	1.375		2.450									
KPPLF-0004 (2 REQ'D)	PPXM2004		4.0000	2.890	1.3750	1.870		0.875	0.625		0.50		
	PPXM3004	1.875		3.390									
KPPLF-0005 (2 REQ'D)	PPXM3005	1.375	5.0000	2.890	1.7500		1/2-13×1 1/4		0.750	1.120		0.5000	
	PPXM2005	1.875		3.390									

Installation Diagram:

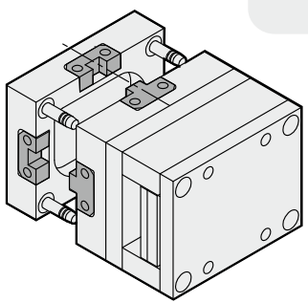


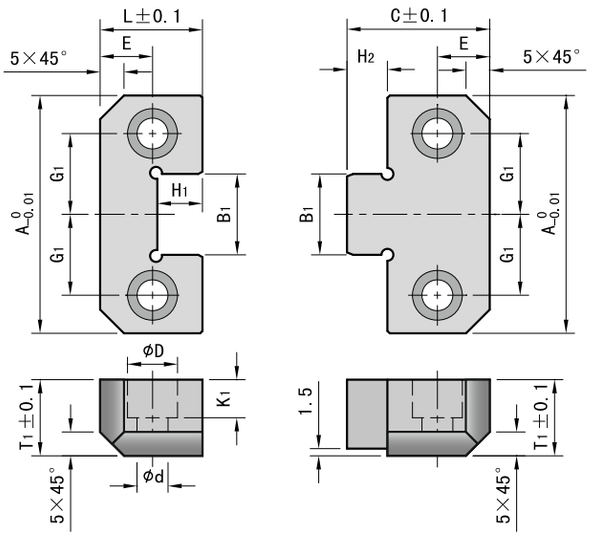


AISI

Square Interlocks

KSSSI

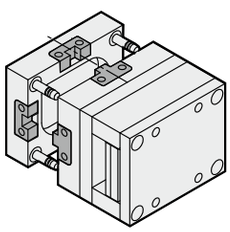


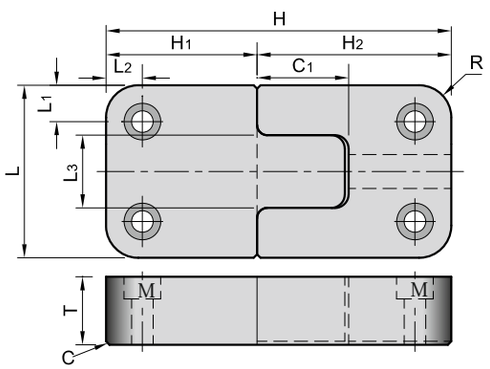


KSSSI-50

Code	A	G1	E	L	T1	B1	C	d	D	H2	H1	K1	
KSSSI- 50	50	17	11	21.5	16	17	30	6.5	10.5	8.5	9.5	8	
KSSSI- 75	75	25	18	36	19	25	50	10.5	16.5	14	15	12	
KSSSI-100	100	35	22	45		35	65			20	21		
KSSSI-125	125	42			25	45							

KSSL KSSLM





KSSL-37-100

Code	T +.000 -.002	L +.0000 -.0004	H2 +.000 -.002	H1 +.000 -.002	C1	L3 +.0001 -.0002	H +.000 -.004	R Pocket Radius	L1/L2 ±.01	C Chamfer	Mounting screws	
KSSL- 37-100	0.375	1.000	1.125	0.875	0.62	0.500	2.000	0.187	0.250	0.015	#10-32×1/2"	
KSSL- 50-125	0.490	1.250			0.68					0.03	# 8-32×5/8"	
KSSL- 50-150	0.500	1.500	0.875		0.56	0.563	1.750				# 8-32×5/8"	
KSSL- 50-200		2.000	1.375		0.86	0.750	2.250		0.312		#10-32×5/8"	
KSSL- 75-300	0.750	3.000	1.875		1.18	1.250	2.750	0.250	0.375		1/4-20×3/4"	
KSSL-100-400	1.000	4.000	2.375	1.375	1.43	1.500	3.750	0.500	0.500		3/8-16×1"	
KSSL-125-500	1.250	5.000	2.875		1.75	2.000	4.250		0.625		1/2-13×1-1/4"	
KSSL-150-600	1.500	6.000			1.87	2.500					1/2-13×1-1/2"	

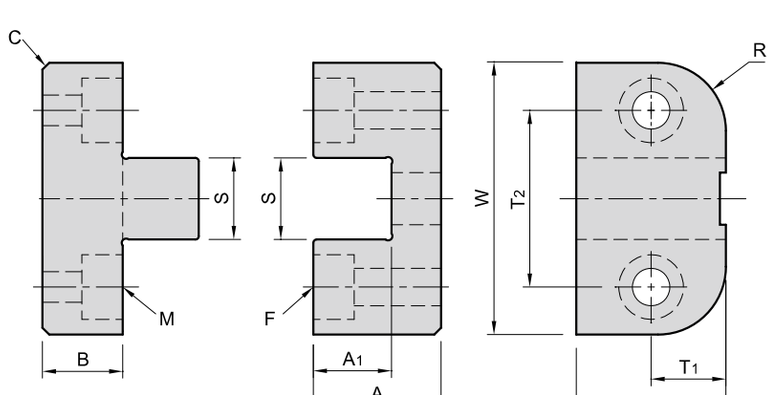
KSSLM-16-50

Code	T +.00 -.05	L +.00 -.01	H2 +.00 -.05	H +.00 -.05	C1	L2 +.002 -.005	H +.00 -.01	C	R Pocket Radius	L1±.25	L2±.25	C	
KSSLM-16- 50	16	50	21.5	21.5	13	17	43	6.5	5	8	11	0.8	
KSSLM-19- 75	19	75	36	36	22.5	25	72	10.5		12.5	18		
KSSLM-19-100		100	45	45	30	35	90			15	22		
KSSLM-25-125	25	125			28.7					20.5			

AISI

Square Interlocks

KTTL
KTTLM



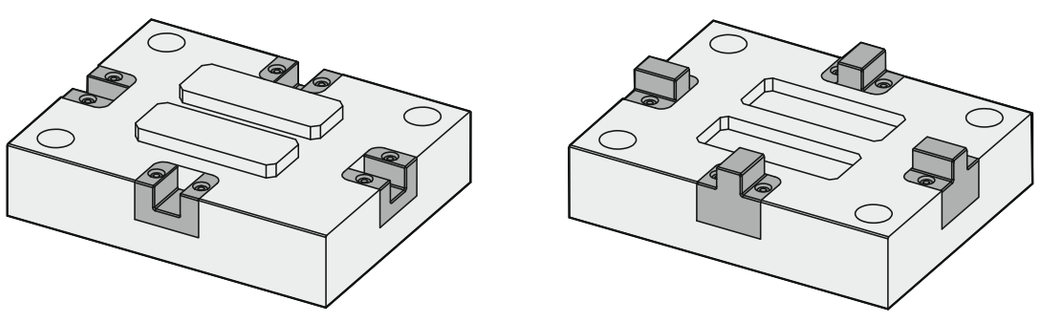
KTTL-62-125

Code	T +0 -0.002	W +0 -0.0004	A +0 -0.002	B +0.000 -0.002	A1	S 0.0001 0.0002 Clearance Per Side	T1±.01	T2±.01	R Pocket Radius	C Chamfer	Mounting screws	
KTTL- 62-125	0.625	1.250	0.625	0.500	0.41	0.438	0.312	0.875	0.250	0.03	M:# 6-32×5/8"	F:# 6-32×3/4"
KTTL- 75-125	0.750				0.38		0.375			0.04	M:# 8-32×5/8"	F:# 8-32×3/4"
KTTL- 87-150	0.875	1.500	0.875	0.750	0.57	0.500	0.437	1.000			M:# 8-32×7/8"	F:# 8-32×1"
KTTL-100-150	1.000			0.375			0.500				M:#10-32×1/2"	F:#10-32×1"
KTTL-100-200		2.000	1.125	0.750	0.75	0.750		1.375	0.375		M:#10-32×1"	F:#10-32×1-1/8"
KTTL-112-200	1.125		0.875	0.625	0.50		0.563				M:#1/4-20×3/4"	F:1/4-20×1"
KTTL-112-300		3.000	1.500	0.750	0.87	1.125		2.250	0.500		M:#1/4-20×7/8"	F:1/4-20×1-5/8"
KTTL-150-250	1.500	2.500	1.375	0.625	0.85	1.000	0.750	1.750	0.375		M:#1/4-20×3/4"	F:1/4-20×3/4"
KTTL-175-300	1.750	3.000	1.250	0.875	0.75	1.125	0.875	2.250	0.500	0.06	M:#5/16-18× 1"	F:5/16-18×1-1/4"
KTTL-200-350	2.000	3.500	1.750	0.750	1.07	1.500	1.000	2.500			M:#3/8-16×7/8"	F:3/8-16×2"

KTTLM-26-35

Code	W +.00 -.01	T +.00 -.05	A +.00 -.05	B +.00 -.05	A1	S 0.002 0.005 Clearance Per Side	T1±.25	T2±.25	R Pocket Radius	C Chamfer	Mounting screws	
KTTLM-26- 35	35	26	25	15	17	11	13	23	8	1	M:M 5×16	F:M 5×25
KTTLM-30- 45	45	30				15	15	30			M:M 6×18	F:M 6×25
KTTLM-36- 55	55	36	30	20	21.5	20	18	37.5			M:M 8×22	F:M 8×35
KTTLM-36- 75	75		35		26	30		52		1.5	M:M10×25	F:M10×35
KTTLM-45-100	100	45	60		42	40	22.5	70			M:M10×25	F:M10×65

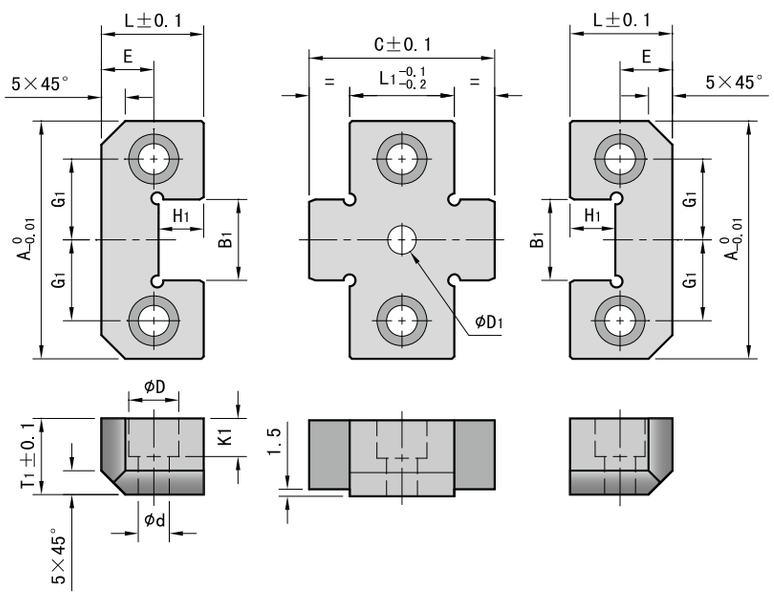
Installation Diagram:



AISI

Square Interlocks

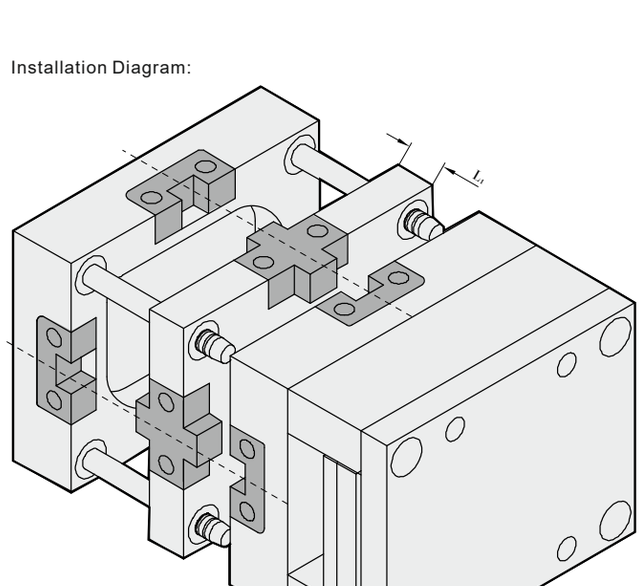
KXXSI

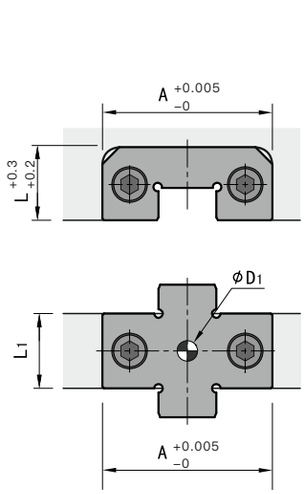


KXXSI-5026

Code	A	L1	B1	C	D	d	E	G1	H1	K1	L	T1	ØD1	
KXXSI- 5026	50	26	17	43	10.5	6.5	11	17	9.5	8	21.5	16	6	
KXXSI- 5036		36		53										
KXXSI- 7526	75	26	25	51	16.5	10.5	18	25	15	12	36	19	10	
KXXSI- 7536		36		61										
KXXSI-10036	100		35	71			22	35	21		45			
KXXSI-10046		46		81										
KXXSI-12536	125	36	45	71				42				25	12	
KXXSI-12546		46		81										

Installation Diagram:

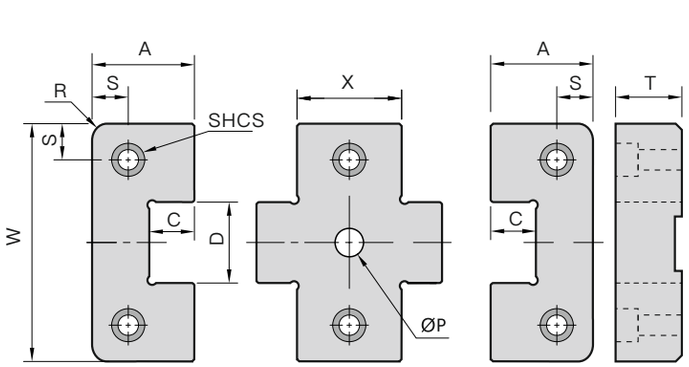


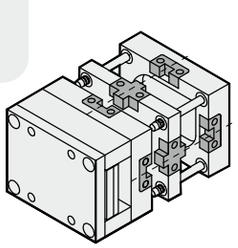


AISI

Square Interlocks

KSSLX

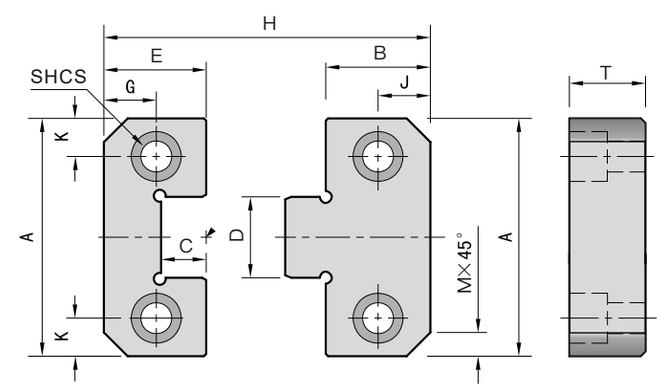


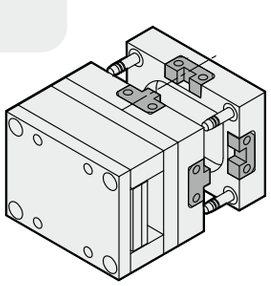


KSSLX-50-87

Code	T +0 -0.002	W +0 -0.0004	X +0 -0.005	A +0 -0.002	C±0.01	D 0.0001 0.0002	R	S±0.01	P +0.001 -0	SHCS	
KSSLX- 50- 87	0.500	2.000	0.875	1.375	0.65	0.75	0.187	0.312	0.250	#10-32×5/8"	
KSSLX- 75-137	0.750	3.000	1.375	1.875	1.12	1.250	0.250	0.375	0.313	1/4-20×3/4"	
KSSLX- 75-187			1.875								
KSSLX-100-137	1.000	4.000	1.375	2.375			0.500	0.500	0.375	3/8-16×1	

KSSLS
KSSLMS





KSSLS-62-150

Code	T +0 -0.002	A +0 -0.0004	E +0 -0.0008	B +0 -0.0008	C	D 0.0001 0.0002	H +0 -0.002	M	J±0.01	G±0.01	K±0.01	SHCS	
KSSLS- 62-150	0.620	1.500	0.870	0.870	0.33	0.500	1.74	0.19	0.437	0.281	0.281	1/4-20×3/4"	
KSSLS- 62-200		2.000				0.680				0.375	0.375		
KSSLS- 75-300	0.745	3.000	1.370	1.360	0.57	1.000	2.73	0.38	0.688	0.688		3/8-16×1"	
KSSLS- 75-400		4.000	1.870	1.870	0.79	1.375	3.74	0.50	0.875	0.875	0.625		
KSSLS-112-500	1.120	5.000				1.750					0.750	1/2-13×1-1/4"	

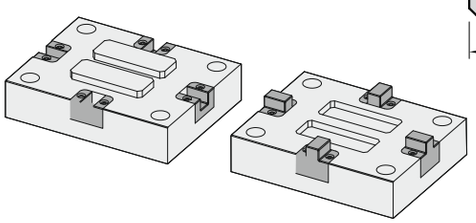
KSSLMS-13-38

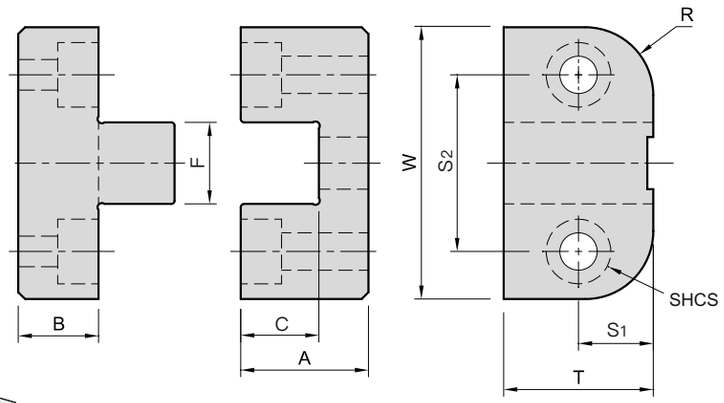
Code	T +0 -0.05	A +0 -0.01	E +0 -0.02	B +0 -0.02	C	D 0.002 0.005	H +0 -0.04	M	J/G±0.2	K±0.2	SHCS	
KSSLMS-13- 38	13	38	22	22	8.5	12	44	5	7	8	M 5-0.8×15	
KSSLMS-16- 50	16	50	21.5	21.5	9.5	17	43		11	8	M 6-1.0×18	
KSSLMS-19- 75	19	75	36	36	15	25	72	8	18	12.5	M10-1.5×20	
KSSLMS-19-100		100	45	45	21	35	90	10	22	15		
KSSLMS-25-125	25	125				45				20.5	M10-1.5×25	

AISI

Square Interlocks

KBBGT

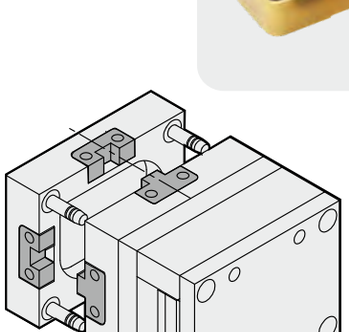


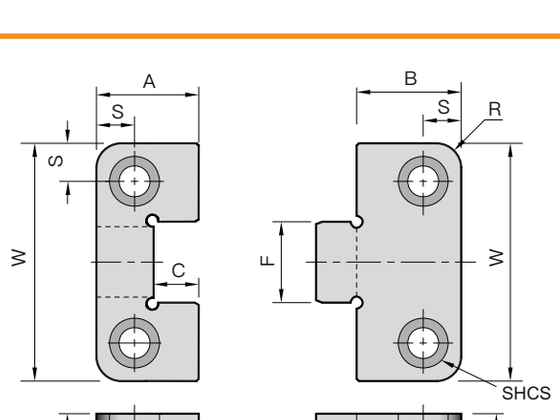


KBBGT-1250

Code	W +0 -0.0004	A +0 -0.002	B +0 -0.002	C ±0.01	F 0.0001 0.0002	T +0 -0.002	R	S1 ±0.01	S2 ±0.01	SHCS SIZES	
KBBGT-1250	1.250	0.625	0.500	0.41	0.438	0.625	0.250	0.312	0.875	M:# 6-32×5/8"	F:# 6-32×3/4"
KBBGT-1500	1.500	0.875		0.53	0.500	0.875		0.437	1.000	M:# 8-32×7/8"	F:# 8-32×1"
KBBGT-2000	2.000	1.125	0.750	0.66	0.750	1.000	0.375	0.500	1.375	M:#10-32×1"	F:#10-32×1-1/4"
KBBGT-3000	3.000	1.500		0.78	1.125	1.125		0.562		M:#1/4-20×1"	F:#1/4-20×1-3/4"
KBBGT-3000S		1.250	0.875	0.75		1.750	0.500	0.875	2.250	M:#5/16-18×1-1/8"	F:#5/16-18×1-5/8"
KBBGT-3500	3.500	1.750	0.750	1.00	1.500	2.000		1.000		M:#3/8-16×1"	F:#3/8-16×2"

KBBGS





KBBGS-1500

Code	W +0 -0.0004	A +0 -0.002	B +0 -0.002	C	F 0.0001 0.0002	T +0 -0.002	R	S ±0.01	SHCS SIZES	
KBBGS-1500	1.500	0.875		0.56	0.563	0.500	0.187	0.250	# 8-32×5/8"	
KBBGS-2000	2.000	1.375	0.875	0.66	0.750			0.312	#10-32×5/8"	
KBBGS-3000	3.000	1.875		1.13	1.250	0.750	0.250	0.375	1/4-20×3/4"	
KBBGS-4000	4.000	2.375	1.375	1.25	1.500	1.000	0.500	0.500	3/8-16×1"	
KBBGS-5000	5.000	2.875		1.63	2.000	1.250		0.625	1/2-13×1-1/4"	

KONEK PSN

SLIDE RETAINERS SERIES
ZATRZASKI

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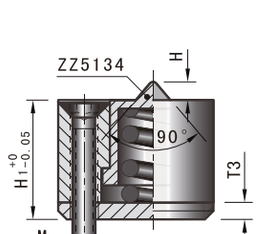
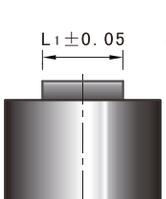
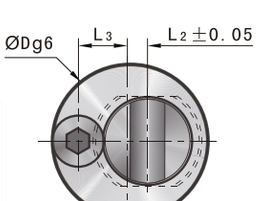
DIN

Slide holding devices

KZ Z5130







Material :SKD61 ardness:52±2 HRC ervice environment:Max100℃

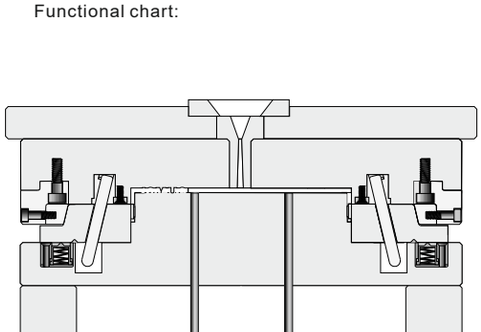
Code		D	L1	L2	L3	H	H1	T3	Mounting screws	(Kgf) Max. holding weight	
KZ Z5130-13	precision	13	6.6	1.4	4.3	1	10	1.6	M2-16	3.5	
KZ Z5130-18		18	9.6	2	6	1.8	14	2	M3-20	4.5	
KZ Z5130-27		27	14.4	3	9	2.8	21	3	M4-25	9.5	

Installation Guidelines:

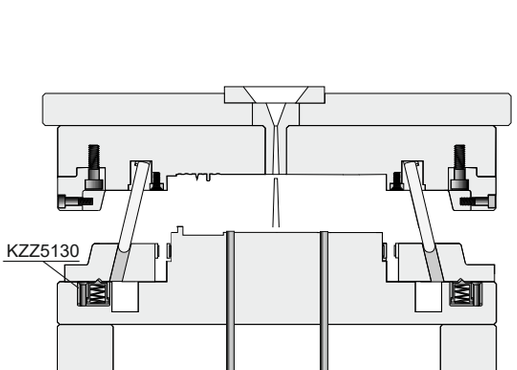
·Use this type mold must process the"Λ"groove at the corresponding position on the slide.

·The processing installed hole in mold and "Λ"groove must be 90 degree, to make the biggest function from the lock.

Functional chart:



Mold closed

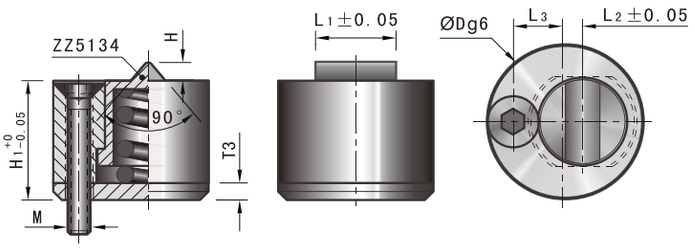


Mold opened

DIN

Slide holding devices

KZZ5130B



KZZ5130-13B Material :SKD61 ardness:52±2 HRC ervice environment:Max100℃

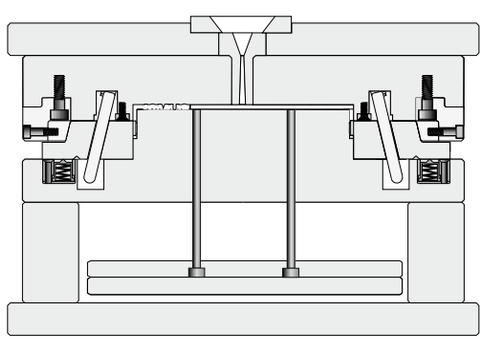
Code		D	L1	L2	L3	H	H1	T3	Mounting screws	(Kgf) Max. holding weight	
KZZ5130-13B	standard	13	6.6	1.4	4.3	1	10	1.6	M2-16	3.5	
KZZ5130-18B		18	9.6	2	6	1.8	14	2	M3-20	4.5	

Installation Guidelines:

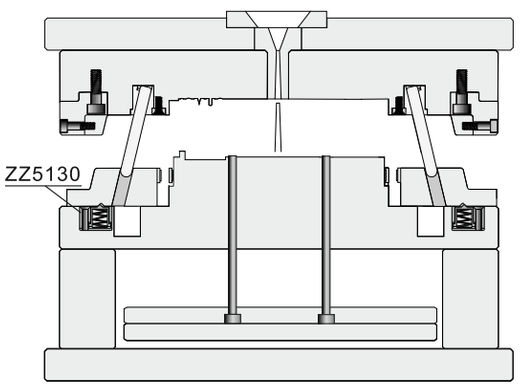
·Use this type mold must process the"Λ"groove at the corresponding position on the slide.

·The processing installed hole in mold and "Λ"groove must be 90 degree,to make the biggest function from the lock.

Functional chart:



Mold closed

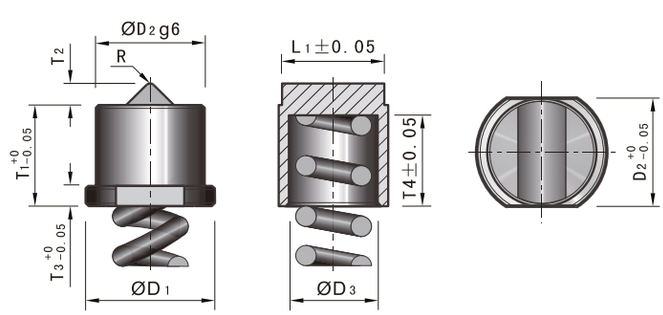


Mold opened

DIN

Slide holding devices

KZ Z5134



Features:
1.Simple structure, convenient installment.
2.Use widely, can be single installment for using , also can be used to match up with Slide retainer ZZ4200.

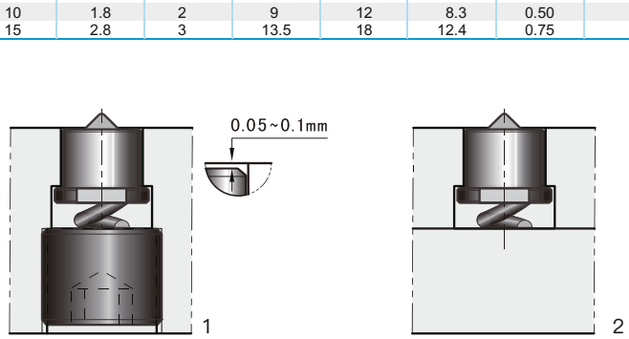
Installation Guidelines:

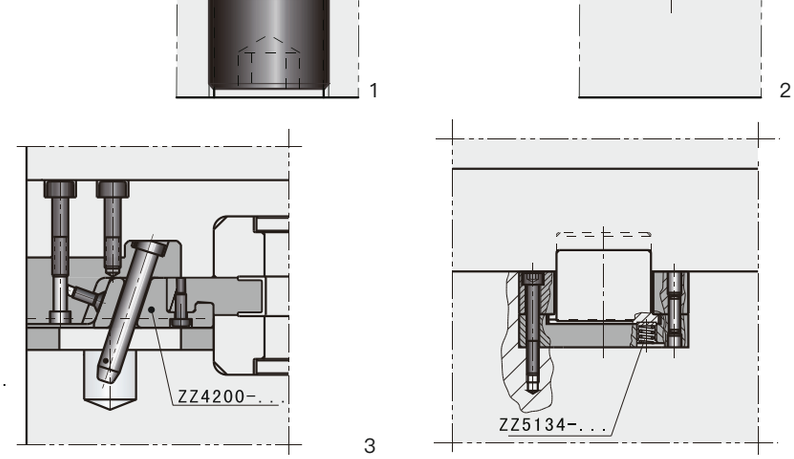
·Surface on the slide holding devices should be lower than surface of template installed or wear plate about for 0.05mm to 0.1mm.

Material :SKD61 ardness:52±2 HRC ervice environment:Max100℃

Code	D2	L1	T1	T2	T3	T4	D1	D3	R	(Kgf) Max. holding weight	
KZ Z5134- 7	7	6.6	7	1	1.4	6.3	8.4	5.3	0.35	3.5	
KZ Z5134-10	10	9.6	10	1.8	2	9	12	8.3	0.50	4.5	
KZ Z5134-15	15	14.4	15	2.8	3	13.5	18	12.4	0.75	9.5	

Installation Diagram:

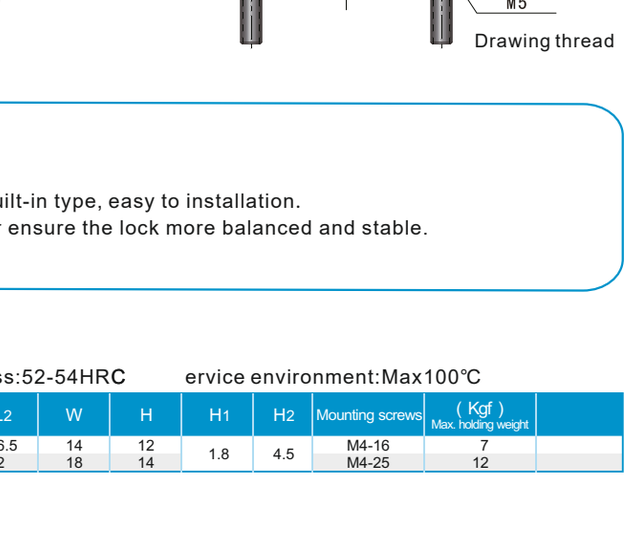




DIN

Slide holding devices

KZZ5140



Features:

1.Compared with SSLK series, Spring adopt built-in type, easy to installation.

2. The extended 90 ° degree V-groove shoulder ensure the lock more balanced and stable.

Material :SKD11 ardness:52-54HRC ervice environment:Max100℃

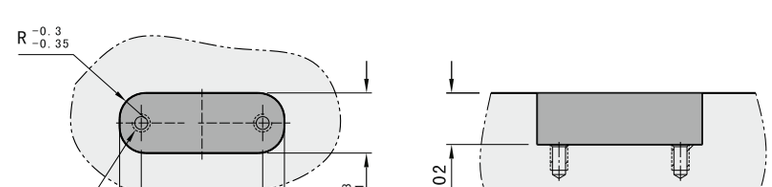
Code		D	R	L	L1	L2	W	H	H1	H2	Mounting screws	(Kgf) Max. holding weight	
KZZ5140-0	precision	8	6	38	28	16.5	14	12	1.8	4.5	M4-16	7	
KZZ5140-1			8	53	43	32	18	14			M4-25	12	

Installation Guidelines:

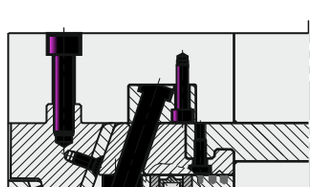
·As opened size diagram to process and install groove.

·When need to take out product , use one end of puller to connect with drawing thread to pull out.

Dimension chart:

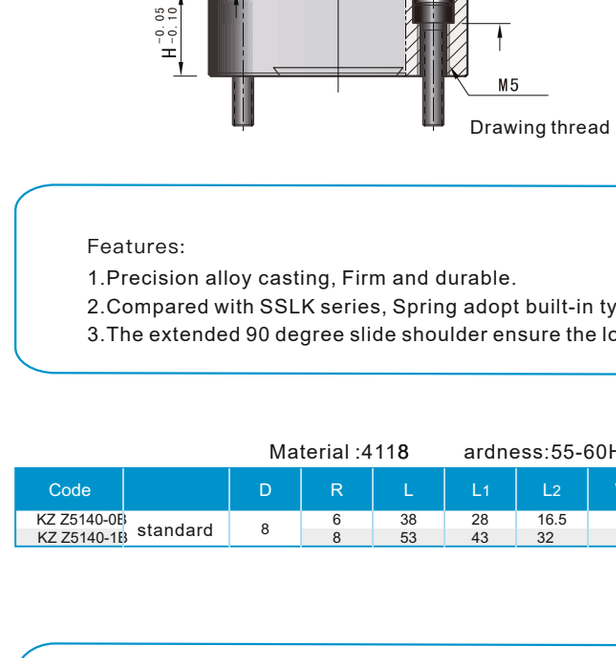


Installation Diagram:

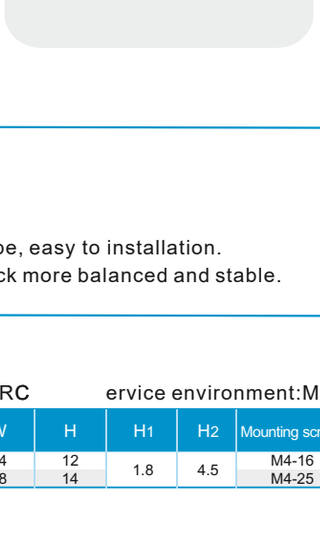


Slide holding devices

KZ Z5140



Drawing thread



Features:

1.Precision alloy casting, Firm and durable.

2.Compared with SSLK series, Spring adopt built-in type, easy to installation.

3.The extended 90 degree slide shoulder ensure the lock more balanced and stable.

Material :4118 ardness:55-60HRC ervice environment:Max100℃

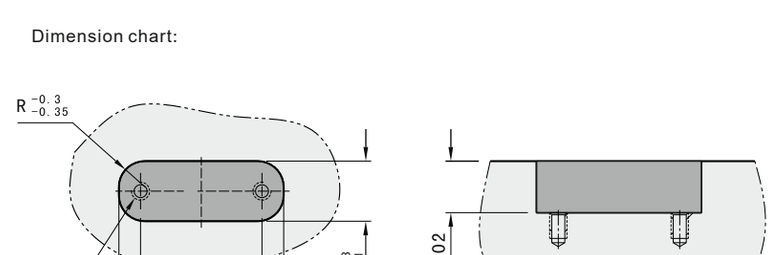
Code		D	R	L	L1	L2	W	H	H1	H2	Mounting screws	(Kgf) Max. holding weight
KZ Z5140-0B	standard	8	6	38	28	16.5	14	12	1.8	4.5	M4-16	7
KZ Z5140-1B			8	53	43	32	18	14			M4-25	12

Installation Guidelines:

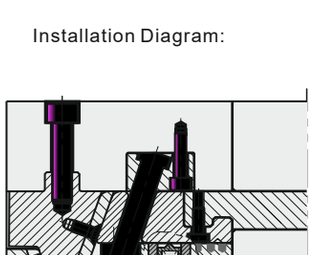
·As opened size diagram to process and install groove.

·When need to take out product , use one end of puller to connect with drawing thread to pull out.

Dimension chart:



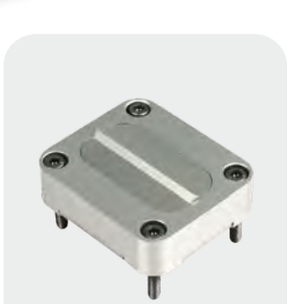
Installation Diagram:

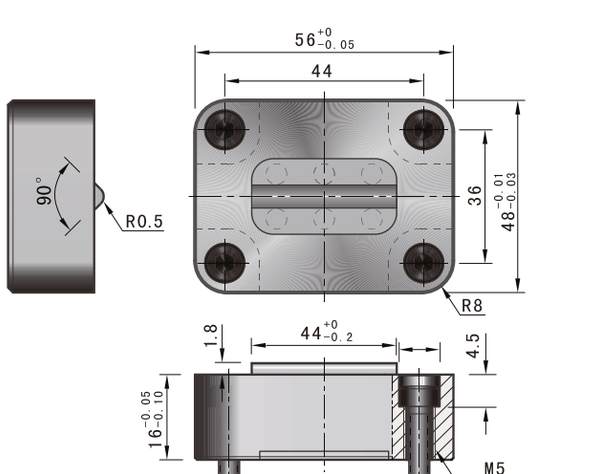


DIN

Slide holding devices

KZZ5140





Material :SKD11 ardness:52-54HRC ervice environment:Max100℃

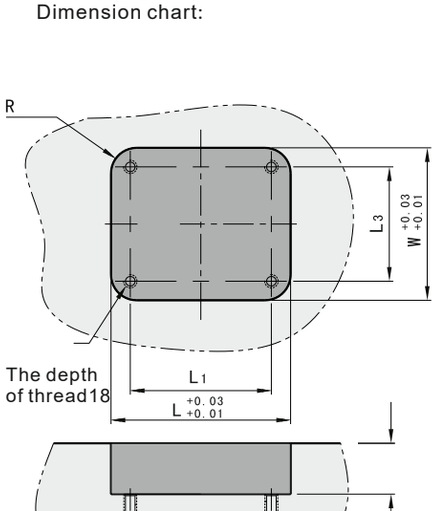
Code	Mounting screws	(Kgf) Max. holding weight	
KZZ5140-2	M4-25	25	

Installation Guidelines:

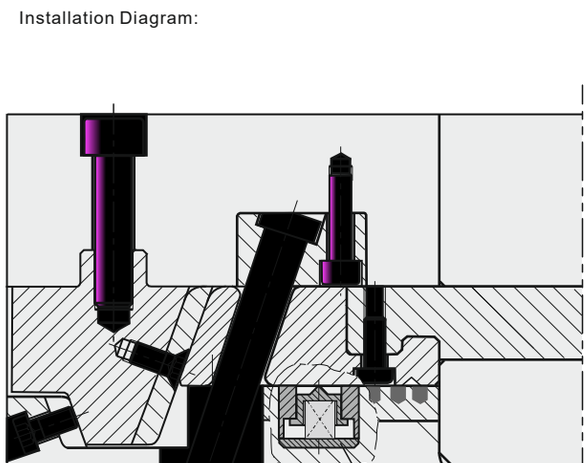
·As opened size diagram to process and install groove.

·When need to take out product , use one end of puller to connect with drawing thread to pull out.

Dimension chart:



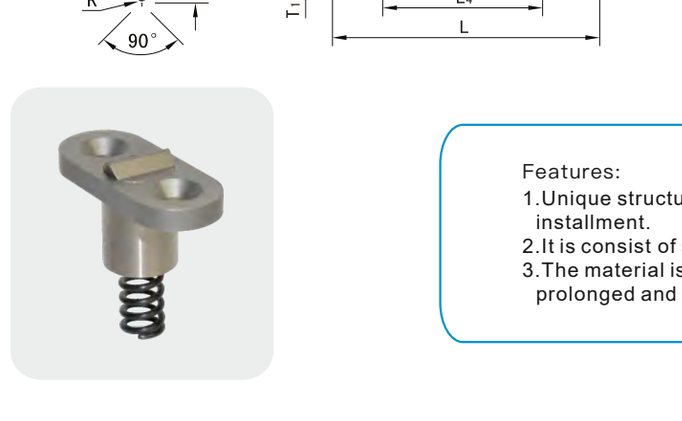
Installation Diagram:

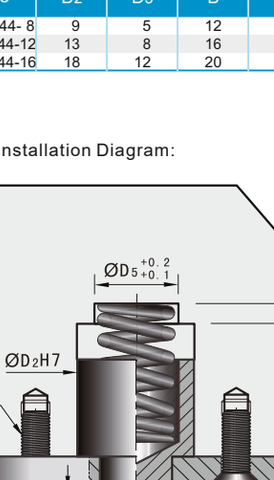


DIN

Slide holding devices

KE E3044





Features:

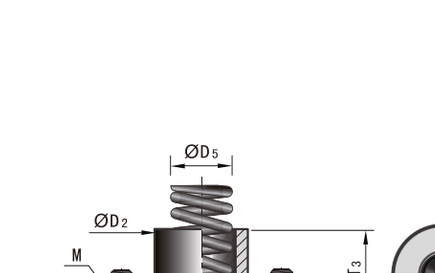
1. Unique structure Design, simple and convenient installment.
2. It is consist of spring, inner insert, baffle and screw.
3. The material is SKD11 for inner insert, which is prolonged and durable use.

Code	D2	D5	B	B1	F(N)	L	L4	T1	T3	T5	T6	H	R	M
KEE3044- 8	9	5	12	8	28	30	18	3	11	19	17	1.2	0.35	M4
KEE3044-12	13	8	16	12	38	38	22	4	14	24	22	2.2	0.5	
KEE3044-16	18	12	20	16		50	30	5	22	34	32	3.2	0.8	M5

Installation Diagram:

Solid product chart:

Inner insert: aterial :SKD11 ardness:55–60HRC



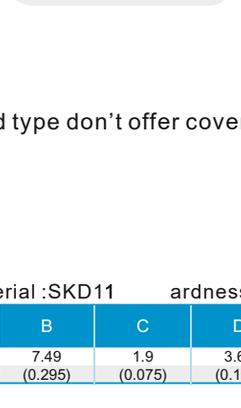
Installation Guidelines:

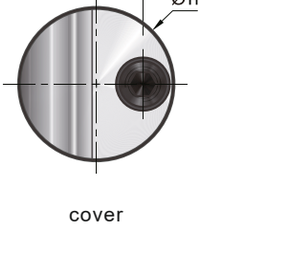
- The product can adopt flip chip in slider.
- "V" groove need be processed by yourself.
- Need to calculate the travel accurately before installment.

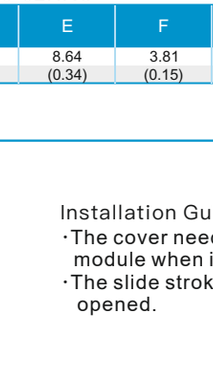
AISI

Slide holding devices

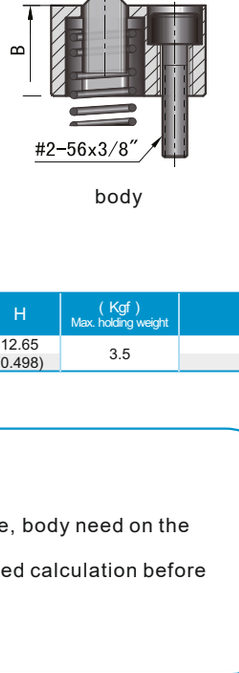
KSSLK







cover



body

Notice:the standard type don't offer cover.

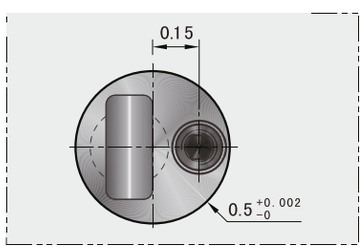
Material :SKD11 ardness:55-62HRC

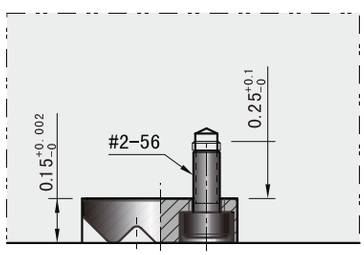
Code		A	B	C	D	E	F	G	H	(Kgf) Max. holding weight	
KSSLK-8A	precision	1.57 (0.062)	7.49 (0.295)	1.9 (0.075)	3.68 (0.145)	8.64 (0.34)	3.81 (0.15)	3.81 (0.15)	12.65 (0.498)	3.5	

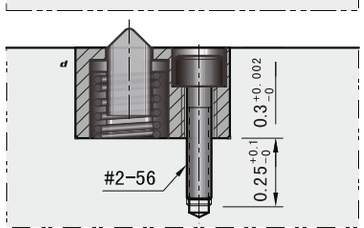
Features:
1. Ultra-compact design fits with the mold in very limited installation.
2. The slide devices can coordinate and hold more precise with their cover.
3. Prevent the slider become flexible.
4. High strength tool material construction provides durable production life.

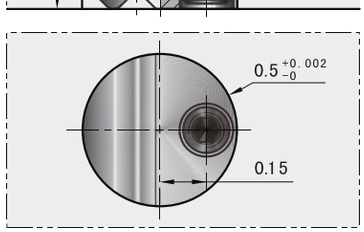
Installation Guidelines:
- The cover need on the slide, body need on the module when install.
- The slide stroke need refined calculation before opened.

Installation Diagram:









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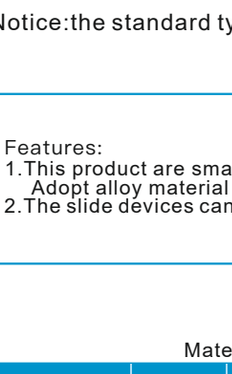
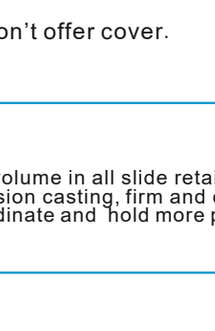
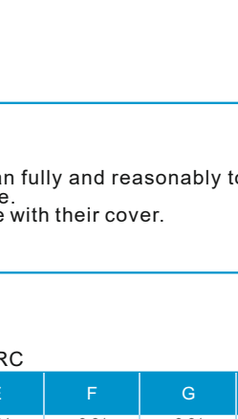
Slide holding devices

KSSLK







Notice:the standard type don't offer cover.

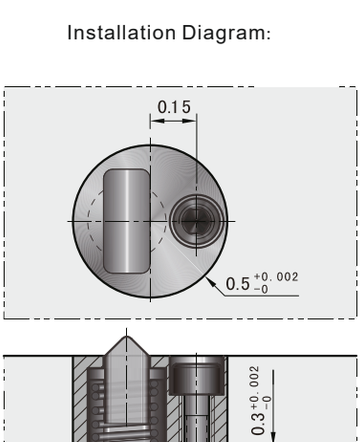
Features:
1.This product are smallest volume in all slide retainer can fully and reasonably to use of space.
Adopt alloy material precision casting, firm and durable.
2.The slide devices can coordinate and hold more precise with their cover.

Material :4118 Hardness:55-60HRC

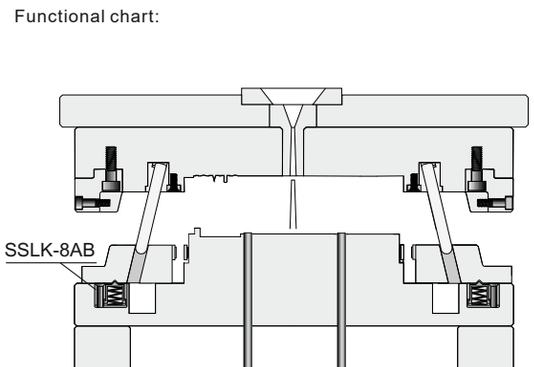
Code		A	B	C	D	E	F	G	H	(Kgf) Max. holding weight
KSSLK-8AB	standard	1.57 (0.062)	7.49 (0.295)	1.9 (0.075)	3.68 (0.145)	8.64 (0.34)	3.81 (0.15)	3.81 (0.15)	12.65 (0.498)	3.5

Installation Guidelines:
·KSSLK-8AB don't offer cover, need customer own process "∧groove"on the slide when installation.
·The installed hole need be vertical with "∧groove" to make the biggest function from the lock.

Installation Diagram:



Functional chart:

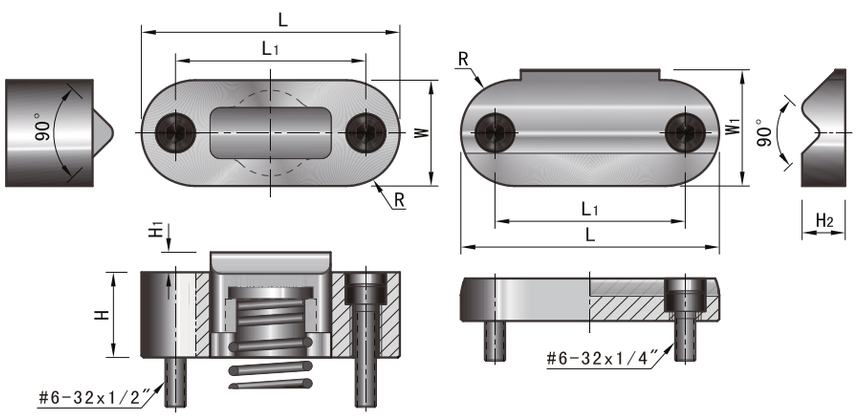


Mold opened

AISI

Slide holding devices

KSSLK

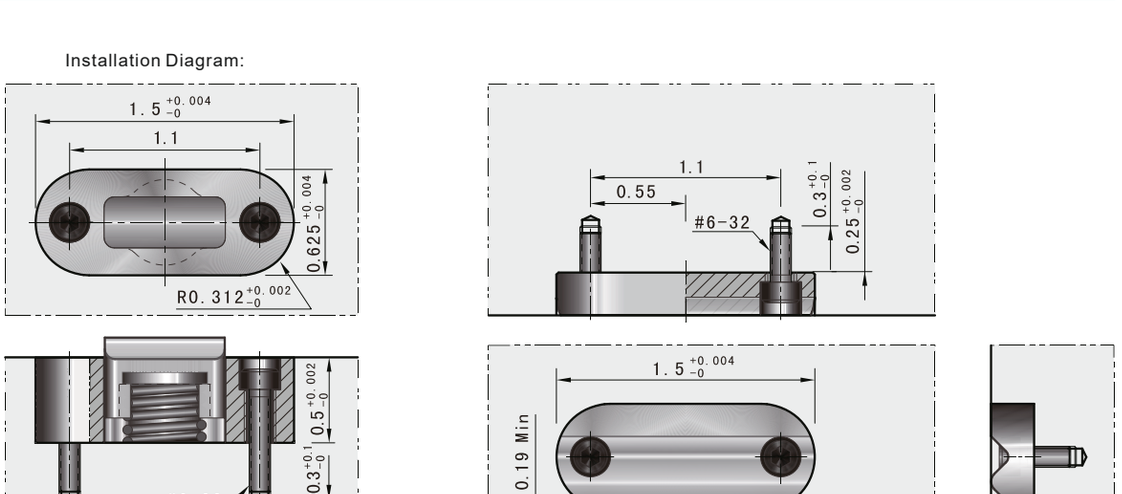


Installation Guidelines:
·The cover need on the slide,body install on mould board.
·The slide stroke need refined calculation before opened.

Material :SKD11 ardness:55-62HRC

Code		L	L1	H	H1	H2	W	W1	R	Mounting screws	(Kgf) Max. holding weight	
KSSLK-25A	precision	37.95 (1.494)	27.94 (1.1)	12.67 (0.499)	2.97 (0.117)	6.32 (0.249)	15.75 (0.62)	17.27 (0.68)	7.92 (0.312)	#6-32-1/2 #6-32-1/4	11.25	

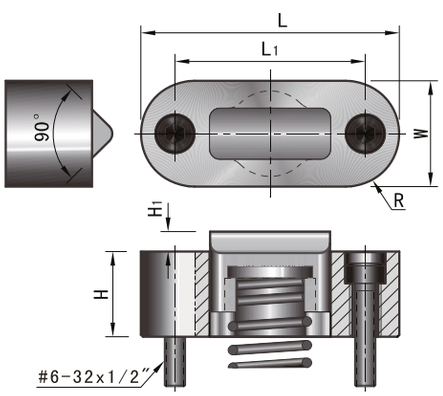
Installation Diagram:



AISI

Slide holding devices

KSSLK



Notice:the standard type don't offer cover.

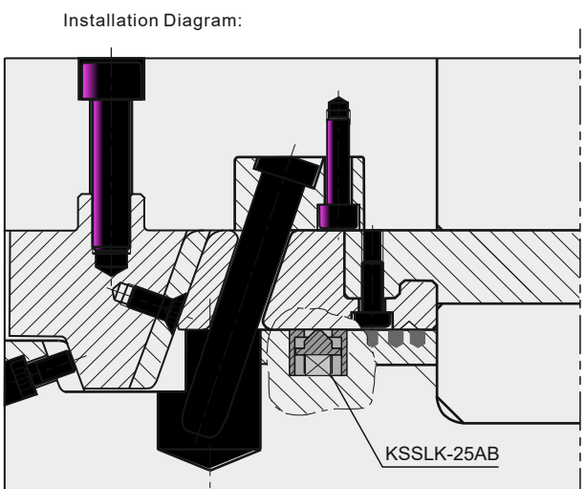
Installation Guidelines:

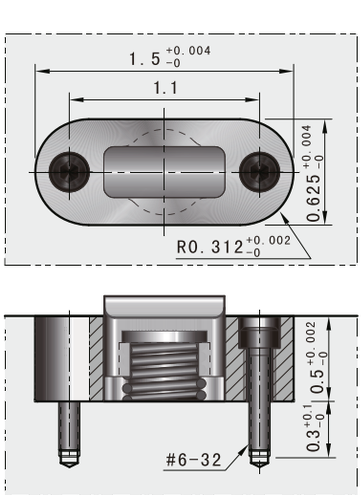
·KSSLK-25A don't offer cover, need customer own process "∧ groove"on the slide when installation.

Material :4118 ardness:55-60HRC

Code		L	L1	H	H1	H2	W	W1	R	Mounting screws	(Kgf) Max. holding weight
KSSLK-25AB	standard	37.95 (1.494)	27.94 (1.1)	12.67 (0.499)	2.97 (0.117)	6.32 (0.249)	15.75 (0.62)	17.27 (0.68)	7.92 (0.312)	#6-32-1/2 #6-32-1/4	11.25

Installation Diagram:

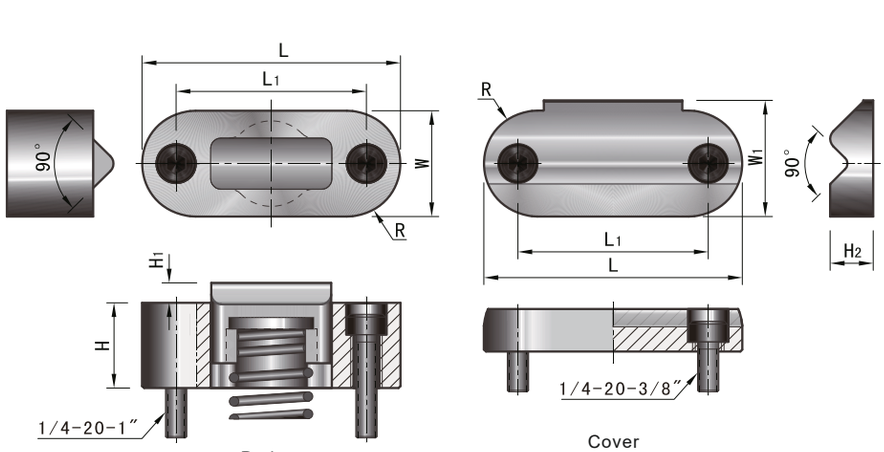




AISI

Slide holding devices

KSSLK



Material :SKD11 ardness:55-62HRC

Code	L	L1	H	H1	H2	W	W1	R	Mounting screws	(Kgf) Max. holding weight	
KSSLK-50A	58.22 (2.292)	41.91 (1.65)	21.84 (0.86)	4.34 (0.171)	9.78 (0.385)	25.3 (0.996)	26.87 (1.058)	12.7 (0.498)	1/4-20-1" 1/4-20-3/8	22.5	

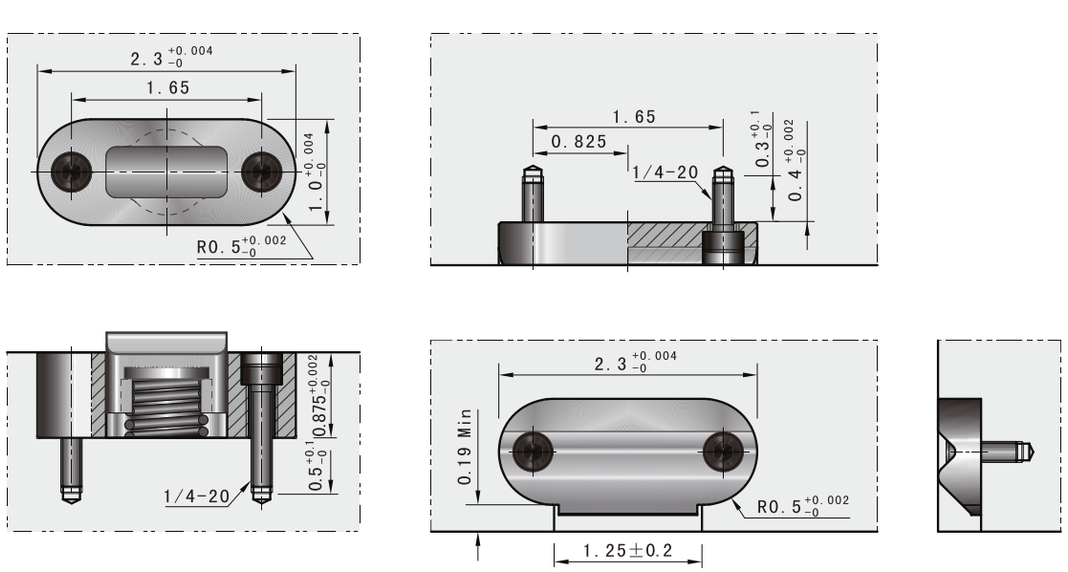
Installation Guidelines:

·The slide holding devices of SSLK-50A can hold weight 22.5kgf, be mainly used to Injection mould.

·Several slide retainers can be installed in mold, in order to bear more load.

·The cover is usually installed in slider, with oval shape design, easy to mold open and installment.

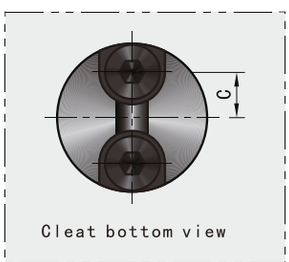
Installation Diagram:

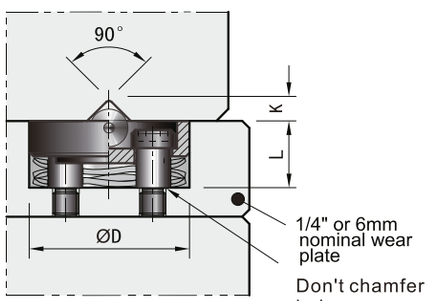


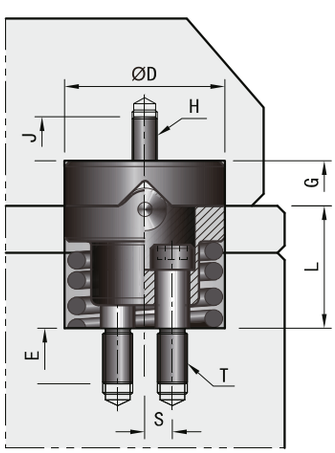
AISI

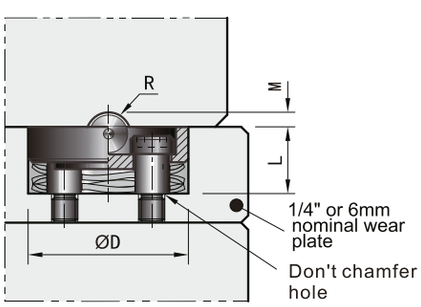
Slide holding devices

KSSRT
KSSRTM









Features:
1.Compared with other slide holding devices, can protect the retainer from damage.
2.The location parts is ball, can be friction reduced and slide smooth.
3.Don't chamfer hole when install, the screw will fall into hole if chamfer.

Material :FDAC ardness:900HV~

Code	D $^{+0.005}_{0}$	L ±0.001	S ±0.002	T	E	(lbs) Max.holding weight		Cleat code	G ±0.001	C ±0.002	H	J	
KSSRT-30	0.75	0.5	0.15	#8-32	0.19	30		KSSRTC-30	0.25	0.25	#6-32	0.25	
KSSRT-80	0.875	0.75			0.245	80		KSSRTC-80		0.3			

Material :FDAC ardness:900HV~

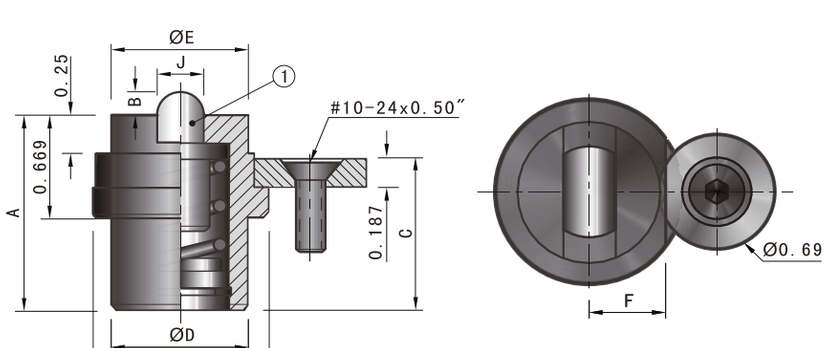
Code	D $^{+0.005}_{0}$	L ±0.001	S ±0.002	T	E	(lbs) Max.holding weight		Cleat code	G ±0.001	C ±0.002	H	J	
KSSRTM-13	19.1	12.7	3.8	M4	4.8	13.5		KSSRTMC-13	6.35	6.35	M3	6.35	
KSSRTM-36	22.3	19.05			6.2	36		KSSRTMC-36		7.6			

Code	V-Groove	Ball Cut		Code	V-Groove	Ball Cut	
	K	R	M		K	R	M
KSSRT-30 KSSRT-80	0.078	0.125	0.03	KSSRTM-13 KSSRTM-36	2mm	3mm	0.75mm

AISI

Slide holding devices

KPPSR

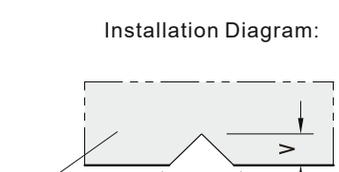


Material :SKD11 ardness:58-62HRC

Code		A	B	C	D	E	F	H	J
KPPSR-1000	precision	1.08	0.072	0.795	0.62	0.63	0.375	0.866	0.188
KPPSR-2000		1.32	0.121	1.035	0.74	0.748	0.42	0.984	0.250
KPPSR-4000		1.26	0.149	0.975	0.87	0.866	0.468	1.102	0.312

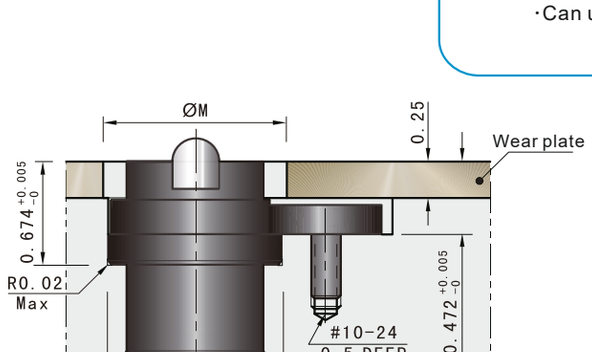
Code		V	K	L	M	N	(Kgf) Max. holding weight	
KPPSR-1000	precision	0.091	0.625	0.869	0.94	0.67	4.5	
KPPSR-2000		0.153	0.750	0.987	1.06	0.715	9	
KPPSR-4000		0.194	0.875	1.105	1.19	0.763	18	

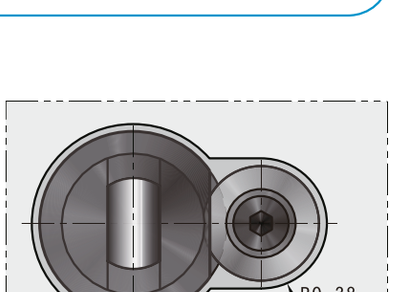
Installation Diagram:



Features:
1. Self-contained design,integrative device.
2. Easy installation, and small in size.
3. Must process "V"groove in the mold to install KPPSR.
4. Strong, durable construction.can be used to bear load by one or more to meet requirements.

Installation Guidelines:
- Strict to process installment as opening size of installation.
- Can use several product to install for adding load.

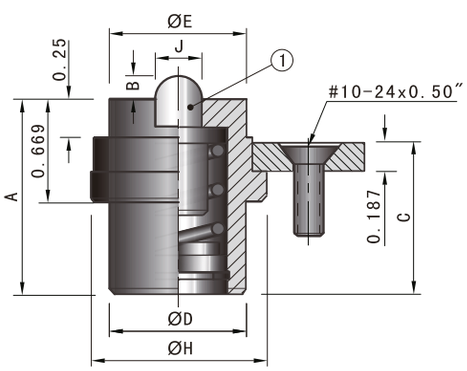


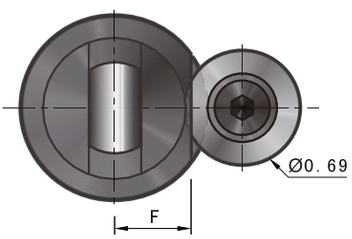


AISI

Slide holding devices

KPPSR



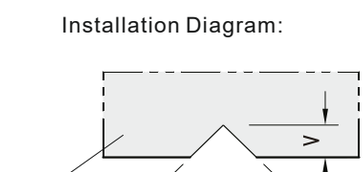


Material :SCM435 Hardness:50–55HRC

Code		A	B	C	D	E	F	H	J
KPPSR-1000B	standard	1.08	0.072	0.795	0.62	0.63	0.375	0.866	0.188
KPPSR-2000B		1.32	0.121	1.035	0.74	0.748	0.42	0.984	0.250

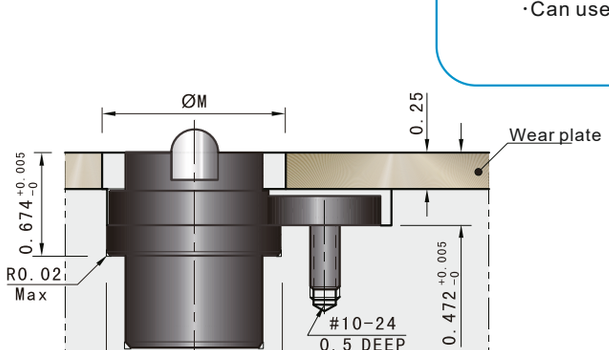
Code		V	K	L	M	N	(Kgf) Max. holding weight	
KPPSR-1000B	standard	0.091	0.625	0.869	0.94	0.67	4.5	
KPPSR-2000B		0.153	0.750	0.987	1.06	0.715	9	

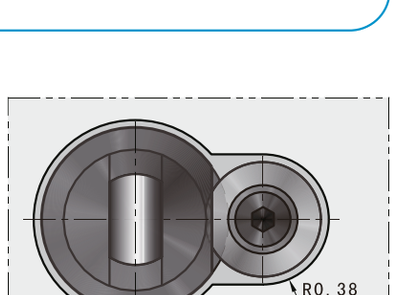
Installation Diagram:



Features:
1.Self-contained design,integrative device.
2.Easy installation, and small in size.
3.Must process "V"groove in the mold to install PPSR.
4.Strong, durable construction.can be used to bear load by one or more to meet requirements.

Installation Guidelines:
·Strict to process installment as opening size of installation.
·Can use several product to install for adding load.

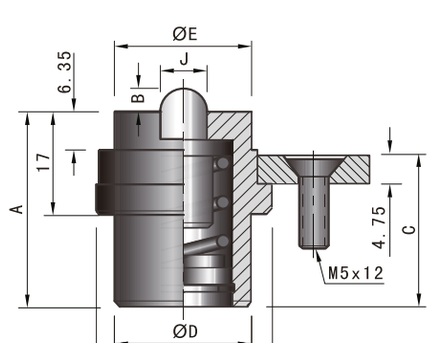


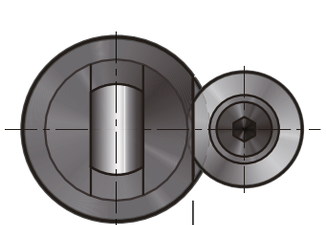


AISI

Slide holding devices

KPPSR





Features:

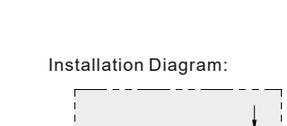
1. Self-contained design,integrative device.
2. Easy installation, and small in size.
3. Must process "V"groove in the mold to install KPPSR.
4. Strong, durable construction.can be used to bear load by one or more to meet requirements.

Material :SKD11 ardness:58-62HRC

Code	A	B	C	D	E	F	H	J
KPPSR-100	27.43	1.83	20.2	15.75	16	9.52	22	4.78
KPPSR-200	33.53	3.07	26.3	18.8	19	10.67	25	6.35
KPPSR-400	32	3.78	24.76	22.1	22	11.86	28	7.92

Code	V	K	L	M	N	(Kgf) Max. holding weight	
KPPSR-100	2.3	15.87	22	24	17	4.5	
KPPSR-200	3.9	19.05	25	27	18.2	9	
KPPSR-400	4.9	22.23	28	30	19.4	18	

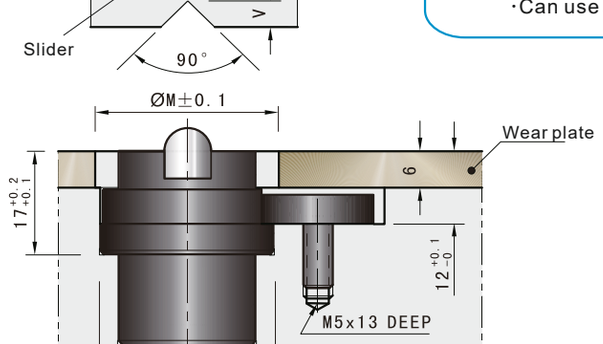
Installation Diagram:

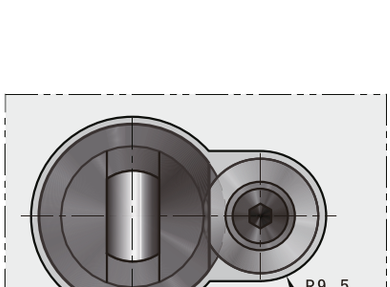


Installation Guidelines:

·Strict to process installment as opening size of installation.

·Can use several product to install for adding load.



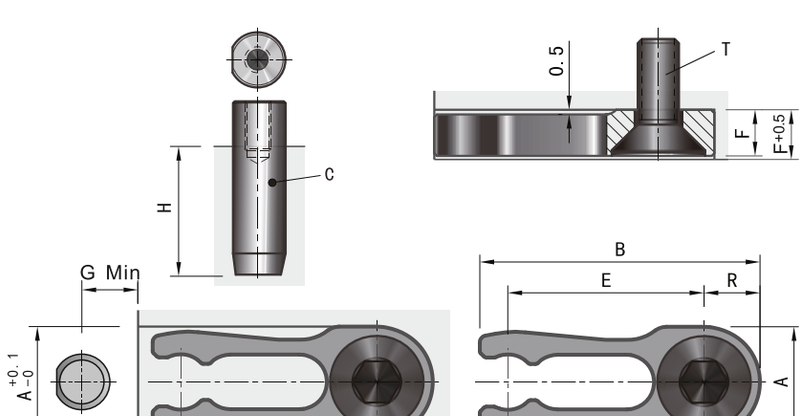


KONEK PSN

DIN

Slide retainers

KRRC



Material :8407 ardness:40-45HRC

Code	A	B	C	E	F	G	H	K(kg)	R	T	
KRRC-123006	12	30	6×20	21	5	4	16	5	6	M 5×16	
KRRC-164008	16	40	8×20	28	6	5	15	7	8	M 6×25	
KRRC-205010	20	50	10×24	34	8	6	17	14	10	M 8×30	
KRRC-246012	24	60	12×32	42	10	7	23	21	12	M10×40	
KRRC-328012	32	80	16×40	56	12	9	27	28	16	M12×50	
KRRC-328016					16		25	38			

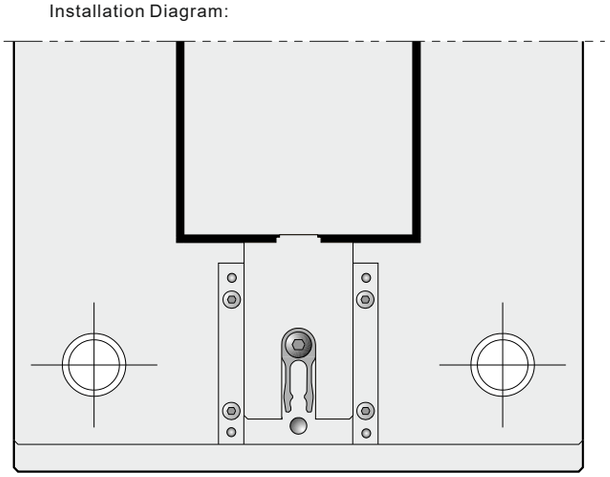
Installation Guidelines:

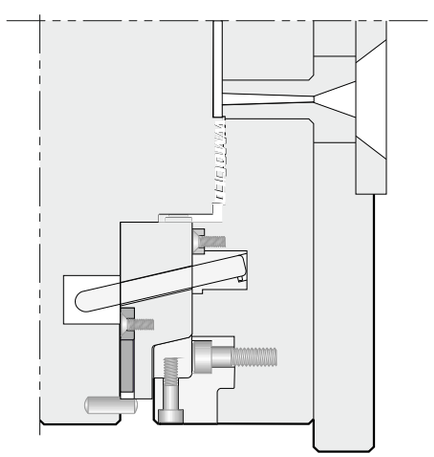
- The product usually to be installed on the bottom of slide retainer.
- Dowel pin installed and the opening of slide retainer must be in the same direction.
- Retainer travel need accurate calculation before installment to protect the product from damage.

Features:

1. Simple structure and practical using, occupy small space for installment and fixation.

Installation Diagram:

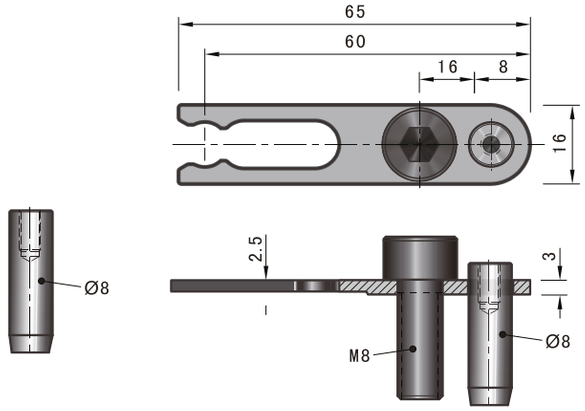




KONEK PSN

Slide retainers

KRRM

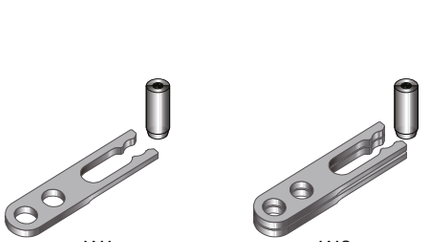


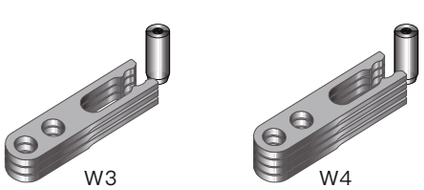
Features:

The RRM retainer is,useful for moulds that require delayed opening of parting line . Standard holding weight is 7.5kgf,Can be increased by adding clips. can be easy installation and operate.

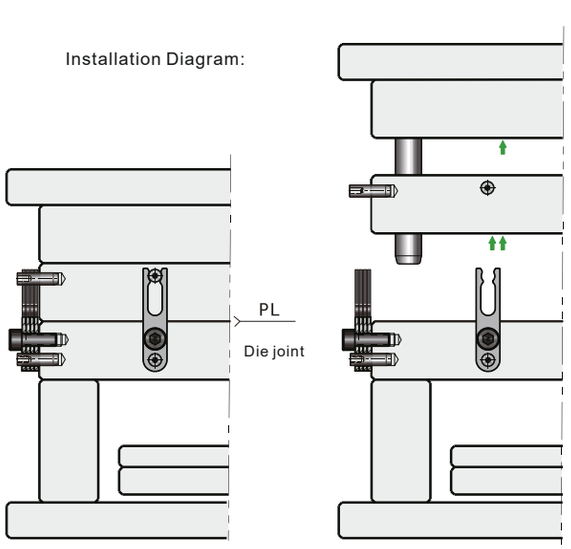
Material :8047 ardness:40-45HRC

Code	(Kgf) Max. holding weight				
	W1	W2	W3	W4	
KRRM-651608	7.5	15	22.5	30	





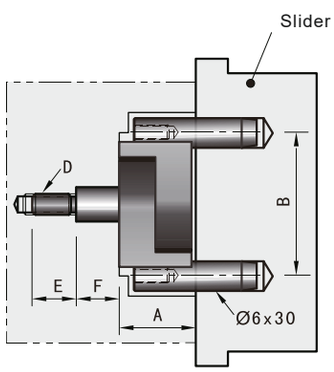
Installation Diagram:

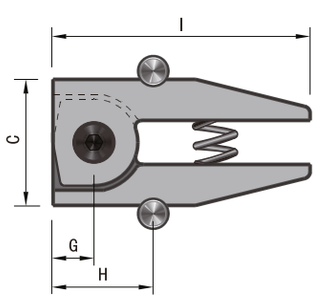


DIN

Slide retainers

KZZ189





Features:

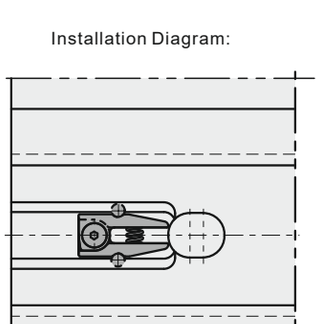
1.KZZ189 slide retainer is mainly used to large-scale slide construction.

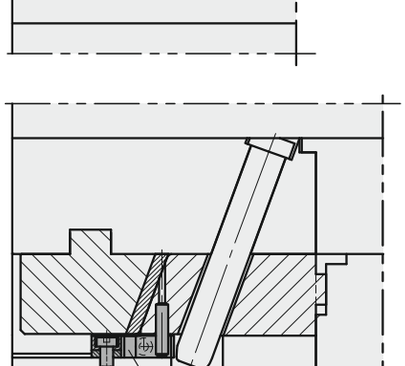
2.Simple installation, Adopt double dowel pin to fixed position, make much force balance.

Material :SKD11 ardness:55-62HRC

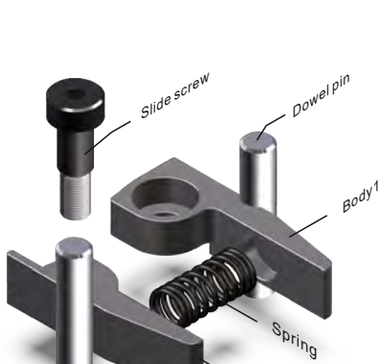
Code		A	B	C	E	F	G	H	I	D	Max. holding weight	Dowel pin	
KZ Z189-10	precision	10	21.5	18	9.5	5.1	7	17.5	40	M5	Ø6-30	10	
KZ Z189-12		12	25.5	22	11	6.1	7.5	18	43	M6		15	
KZ Z189-16		16	31.5	28		3.1	9.5	20.5	50			25	

Installation Diagram:





Product space chart:

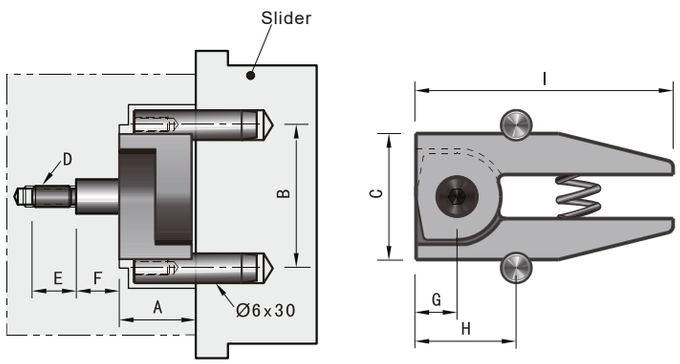


Installation Guidelines:

- The installed hole of slide screw(F) can not be too deep, must work smoothly to match with body after lock.
- The dowel pin is on the slider,the body is fixed on the template, and need calculate the distance of slider accurately.

Slide retainers

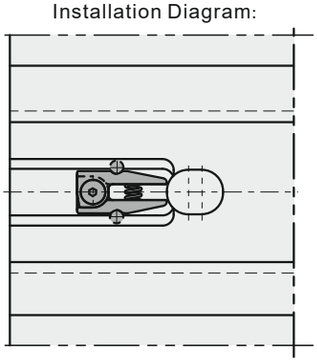
K Z Z189

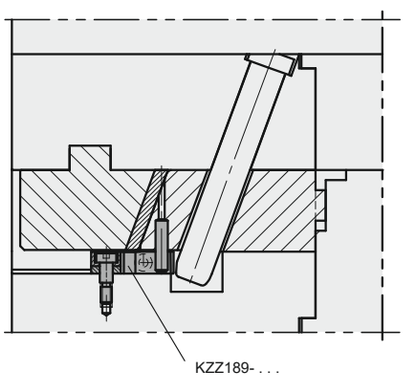


Material :4118 ardness:55-60HRC

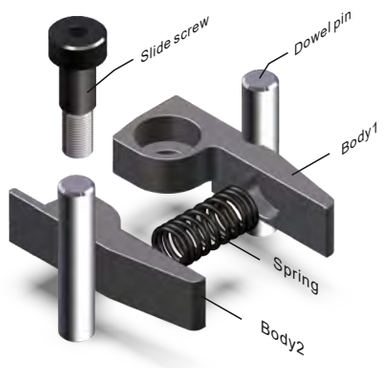
Code	A	B	C	E	F	G	H	I	D	Max. holding weight	Dowel pin	
KZ Z189-10B standard	10	21.5	18	9.5	5.1	7	17.5	40	M5	Ø6-30	10	
KZ Z189-12B	12	25.5	22	11	6.1	7.5	18	43	M6		15	

Installation Diagram:





Product space chart:



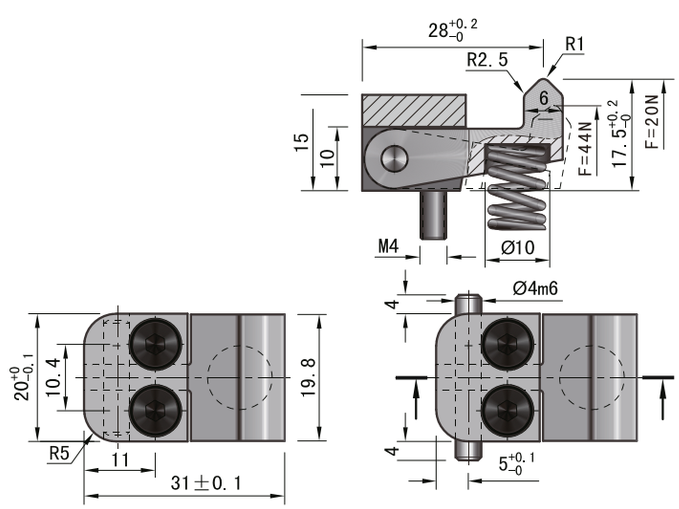
Installation Guidelines:

- The installed hole of slide screw(F) can not be too deep, must work smoothly to match with body after lock.
- The dowel pin is on the slider,the body is fixed on the template, and need calculate the distance of slider accurately.

DIN

Slide retainers

KZZ5135
KZZ5136

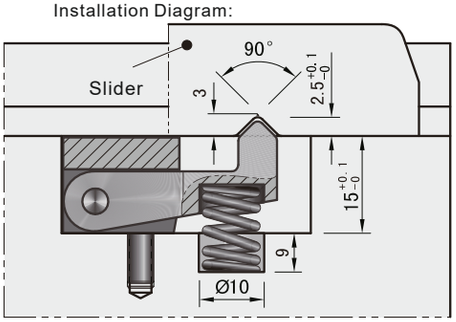


KZZ5135-1 KZZ5136-1

Material :Cr12MoV ardness:58-62HRC

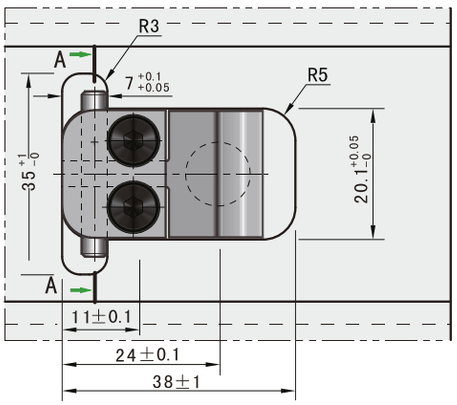
Code	Mounting screws	(Kgf) Max. holding weight		
		min.	max.	
KZZ5135-1 KZZ5136-1	M4×16	2	4.4	

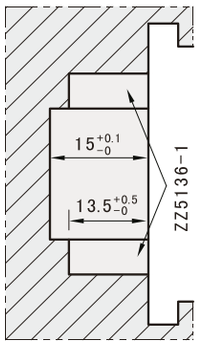
Installation Diagram:



Installation Guidelines:

- Maximum working temperature:Max 100℃.
- The dowel pin for ZZ5136 is 4mm higher than that for ZZ5135, can be accurate positioning.
- Without 90° “V" groove on the slider, which need processed by yourself.



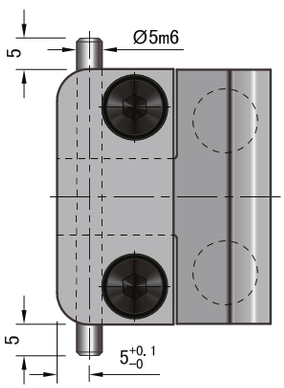


A–A

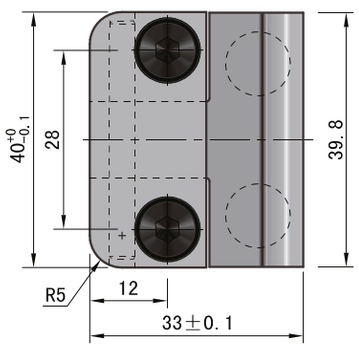
DIN

Slide retainers

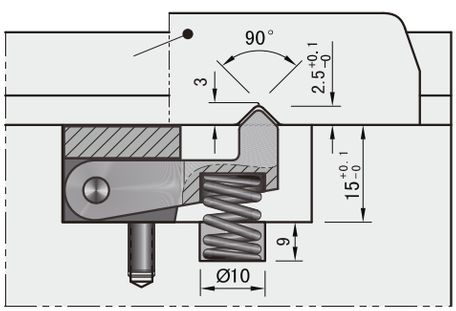
KZZ5135
KZZ5136

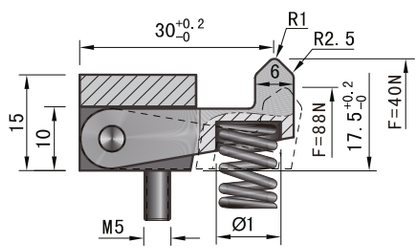


ZZ5136-2

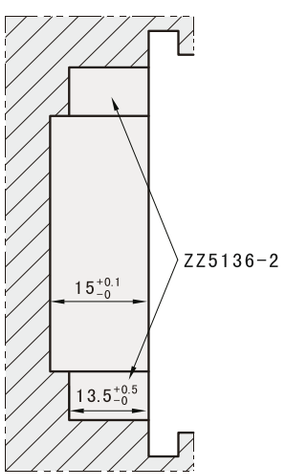


ZZ5135-2

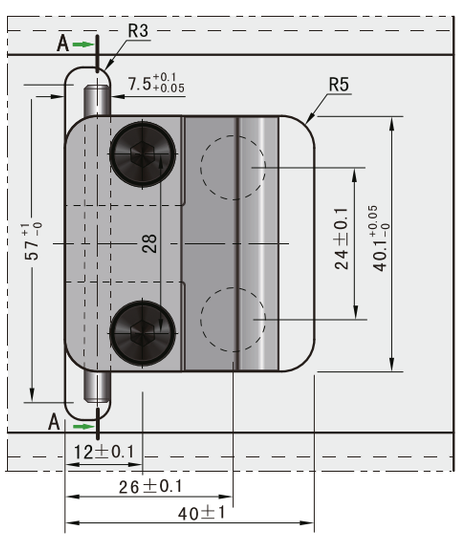




Installation Diagram:



A–A



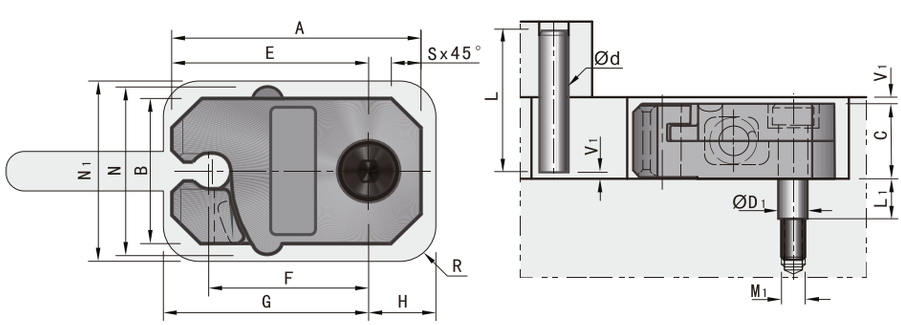
Material :Cr12MoV ardness:58-62HRC

Code	Mounting screws	(Kgf) Max. holding weight		
		min.	max.	
KZZ5135-2 KZZ5136-2	M5×16	4	8.8	

AISI

Slide retainers

KPPSL



Installation Guidelines:

- Dowel pin need to install with 90°.
- Dowel pin installed and the opening of slide retainer must be in the same direction.
- Retainer travel need accurate calculation.

Features:

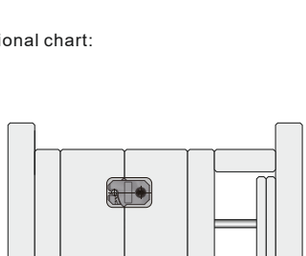
1. Strong, durable construction.
2. PPSL series are inch, can meet various countries customer requirements.
3. It can be used as latch lock if there is no special request on the sequence of the mold closing.
4. Designed with over-travel,to avoid the damage by the inaccurate settle of the travel.

Material :4118 ardness:55-62HRC

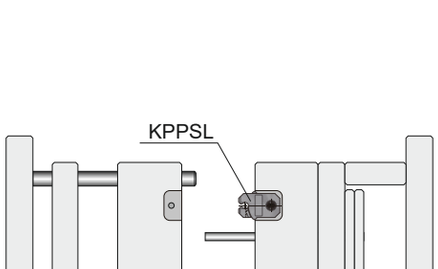
Code		A	B	C	E	F	N	S	d	L	G	H
KPPSL-0001	precision	1.5	0.76	0.63	1.23	0.98	0.94	0.14	0.25	1.25	1.35	0.39
KPPSL-0002		2.13	1.26	0.79	1.69	1.375	1.44	0.25	0.312	1.5	1.81	0.56
KPPSL-0003		3.38	1.76	1.18	2.63	2.125	1.94	0.38	0.375	2.25	2.75	0.88

Code		N1	R	D1	L1	V1	M1	(Kgf) Max. slide weight	
KPPSL-0001	precision	1	0.31	0.249	0.31	0.06	# 10-24×0.5 DEEP	10	
KPPSL-0002		1.5	0.37	0.3115	0.43		1/ 4-20×0.56DEEP	20	
KPPSL-0003		2	0.5	0.374	0.58		5/16-18×0.62DEEP	40	

Functional chart:



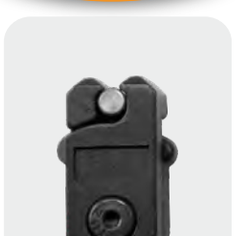
Mold closed

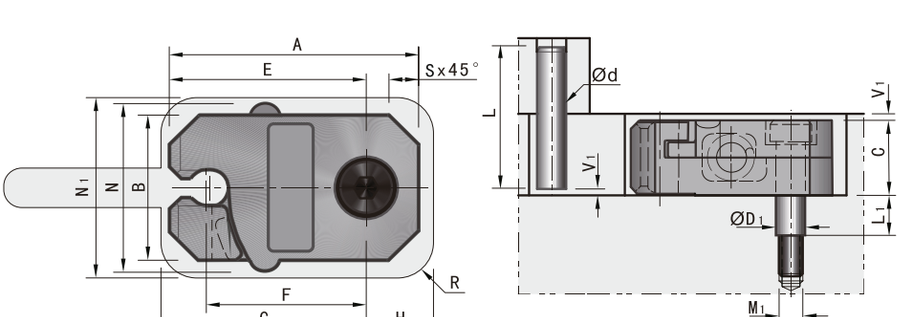


Mold opened

Slide retainers

KPPSL





Installation Guidelines:

- Dowel pin need to install with 90°.
- Dowel pin installed and the opening of slide retainer must be in the same direction.
- Retainer travel need accurate calculation.

Features:

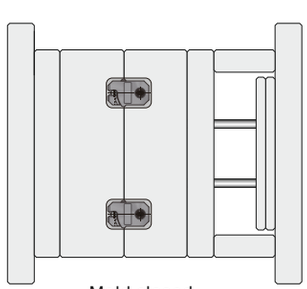
1. Strong, durable construction.
2. PPSL series are inch, can meet various countries customer requirements.
3. It can be used as latch lock if there is no special request on the sequence of the mold closing.
4. Designed with over-travel,to avoid the damage by the inaccurate settle of the travel.

Material :SCM435 Hardness:50-55HRC

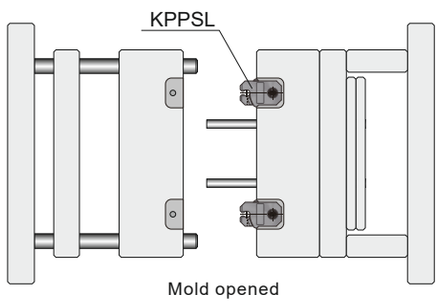
Code		A	B	C	E	F	N	S	d	L	G	H
KPPSL-0001B	standard	1.5	0.76	0.63	1.23	0.98	0.94	0.14	0.25	1.25	1.35	0.39
KPPSL-0002B		2.13	1.26	0.79	1.69	1.375	1.44	0.25	0.312	1.5	1.81	0.56

Code		N1	R	D1	L1	V1	M1	(Kgf) Max. slide weight	
KPPSL-0001B	standard	1	0.31	0.249	0.31	0.06	# 10-24×0.5 DEEP	10	
KPPSL-0002B		1.5	0.37	0.3115	0.43		1/ 4-20×0.56DEEP	20	

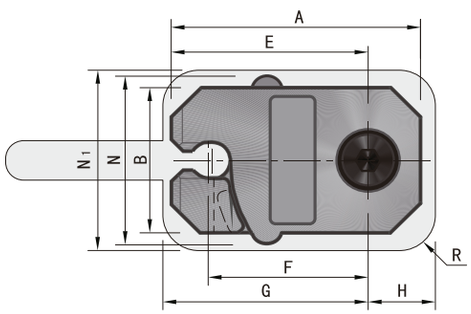
Functional chart:

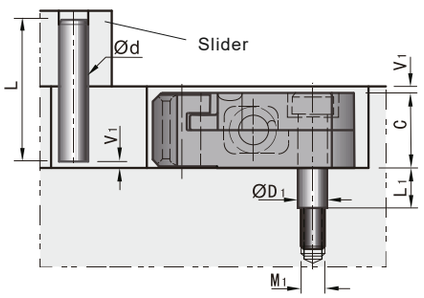


Mold closed



Mold opened





Retaining function installation diagram

AISI

Slide retainers

KPPSM

Installation Guidelines:

- Dowel pin need to install with 90°.
- Dowel pin installed and the opening of slide retainer must be in the same direction.
- Retainer travel need accurate calculation.

Features:

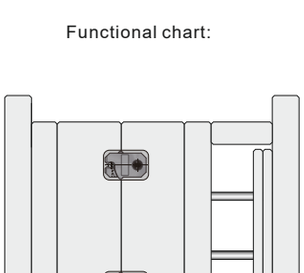
1. Strong, durable construction.
2. PPSM series are metric, can meet various countries customer requirements.
3. It can be used as latch lock if there is no special request on the sequence of the mold closing.
4. Designed with over-travel, to avoid the damage by the inaccurate settle of the travel.

Material :4118 ardness:55-62HRC

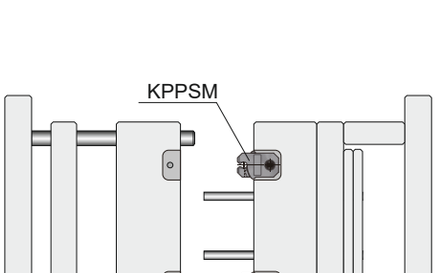
Code		A	B	C	E	F	N	G	H
KPPSM-0001	precision	38	19	16	31.5	24.89	24	34.5	10
KPPSM-0002		54	32	20	43	34.93	36.5	46	14.5
KPPSM-0003		86	45	30	67	53.98	49.5	70	22.5

Code		N1	R	D1	L1	V1	M1	d	(Kgf) Max. slide weight
KPPSM-0001	precision	25.5	8	6	8.5	1.5	M5×11.5DEEP	6	10
KPPSM-0002		38	10	8	10.5		M6×14.5DEEP	8	20
KPPSM-0003		51	12	10	17		M8×18 DEEP	10	40

Functional chart:



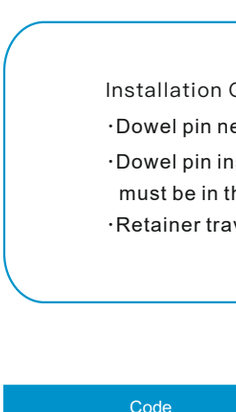
Mold closed

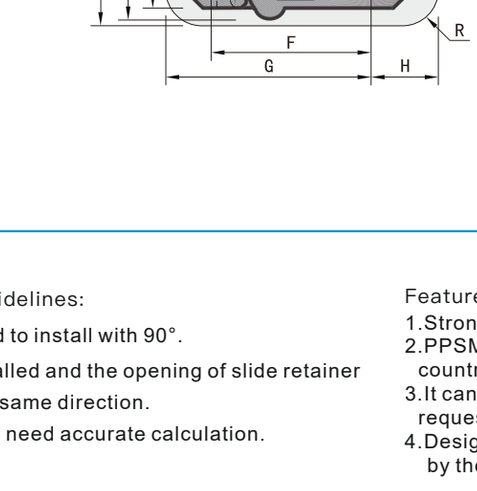


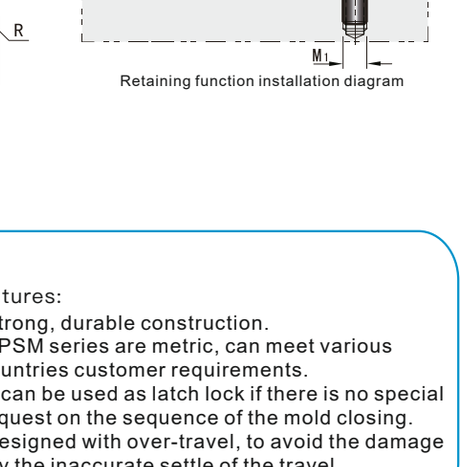
Mold opened

Slide retainers

KPPSM







Retaining function installation diagram

Installation Guidelines:

- Dowel pin need to install with 90°.
- Dowel pin installed and the opening of slide retainer must be in the same direction.
- Retainer travel need accurate calculation.

Features:

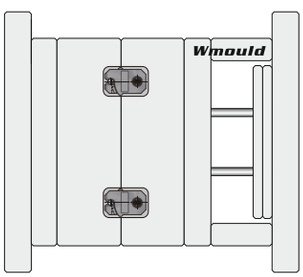
1. Strong, durable construction.
2. PPSM series are metric, can meet various countries customer requirements.
3. It can be used as latch lock if there is no special request on the sequence of the mold closing.
4. Designed with over-travel, to avoid the damage by the inaccurate settle of the travel.

Material :SCM435 Hardness:50–55HRC

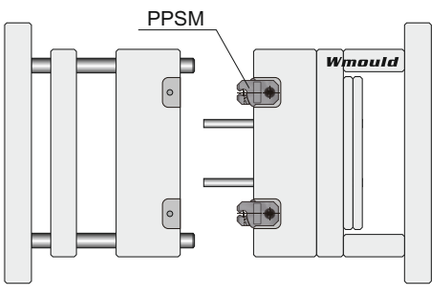
Code		A	B	C	E	F	N	G	H
KPPSM-0001B	standard	38	19	16	31.5	24.89	24	34.5	10
KPPSM-0002B		54	32	20	43	34.93	36.5	46	14.5

Code		N1	R	D1	L1	V1	M1	d	(Kgf) Max. slide weight
KPPSM-0001B	standard	25.5	8	6	8.5	1.5	M5×11.5DEEP	6	10
KPPSM-0002B		38	10	8	10.5		M6×14.5DEEP	8	20

Functional chart:



Mold closed



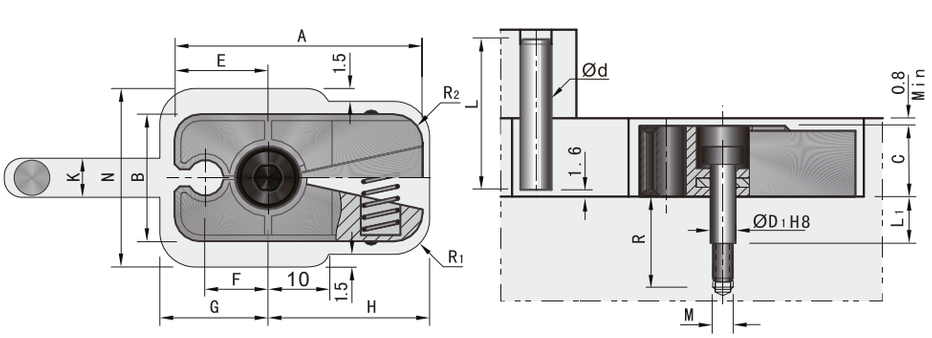
Mold opened

KONEK PSN

AISI

Slide retainers

KMMRT



Material :4118 ardness:55-62HRC

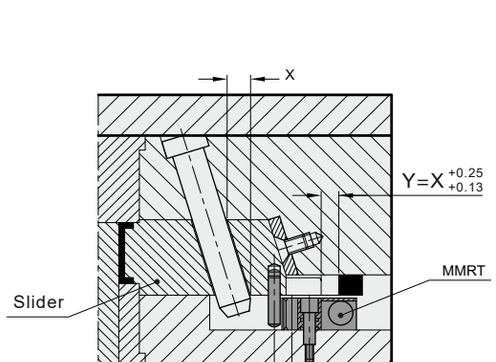
Code		A	B	C	E	F	G	H	N	K
KMMRT-10M	precision	38	19	16	16	9.1	19	26	25	8
KMMRT-20M		54	32	20	21	12.7	24	36	36	10
KMMRT-40M		86	45	30	53	20.3	36	56	56	12

Code		D1	L1	R	R1	R2	M	d	(Kgf) Max. slide weight
KMMRT-10M	precision	6	6	15.5	8	5	M5	6	10
KMMRT-20M		8	8.5	20.5	10	6	M6	8	20
KMMRT-40M		10	10	25	13	10	M8	10	40

Installation Guidelines:

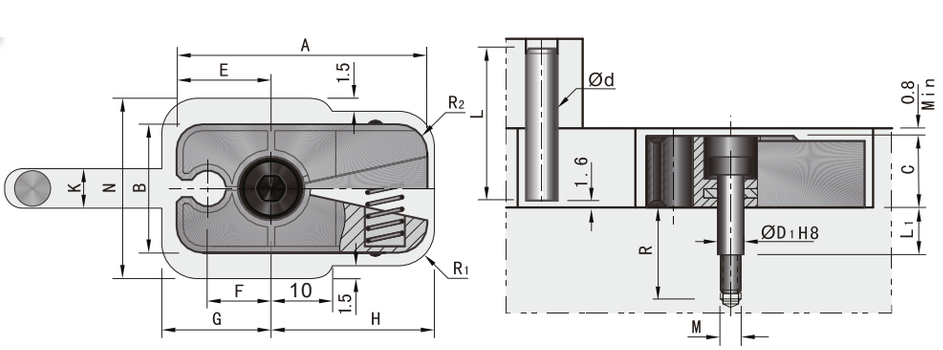
- The body can not be dead lock with retainer screws, need reserve some room to move unlimited.
- The distance from the center of the dowel pin to the center of the stripper bolt must be calculate available while stocks lasts.
- To avoid the mold be in danger of slipping, the code what you used should more loader than it need .

Installation Diagram:



Slide retainers

KMMRT



Material :SCM435 ardness:50-55HRC

Code		A	B	C	E	F	G	H	N	K
KMMRT-10MB	standard	38	19	16	16	9.1	19	26	25	8
KMMRT-20MB		54	32	20	21	12.7	24	36	36	10

Code		D1	L1	R	R1	R2	M	d	(Kgf) Max. slide weight
KMMRT-10MB	standard	6	6	15.5	8	5	M5	6	10
KMMRT-20MB		8	8.5	20.5	10	6	M6	8	20

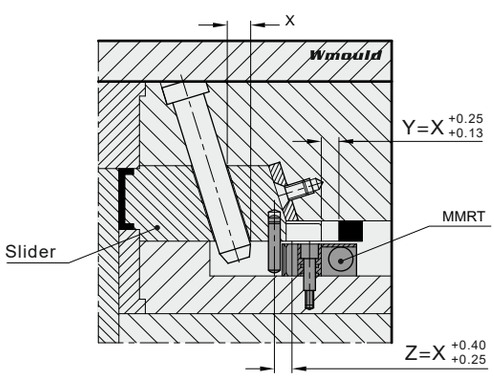
Features:

1.Same function as PPSL and PPSM,comparatively ,the F of this slide retainer is shorter,and locked with more precision..

Installation Guidelines:

- The body can not be dead lock with retainer screws, need reserve some room to move unlimited.
- The distance from the center of the dowel pin to the center of the stripper bolt must be calculate available while stocks lasts.
- To avoid the mold be in danger of slipping, the code what you used should more loader than it need .

Installation Diagram:



KONEK PSN

EJECTOR SERIES
ELEMENTY UKŁADU WYPYCHANIA

KONEK PSN, ul. Józefa Milcherta 1, 86-862 Bydgoszcz | +48 52 379 26 53 | info@konek.com.pl | www.konek.com.pl

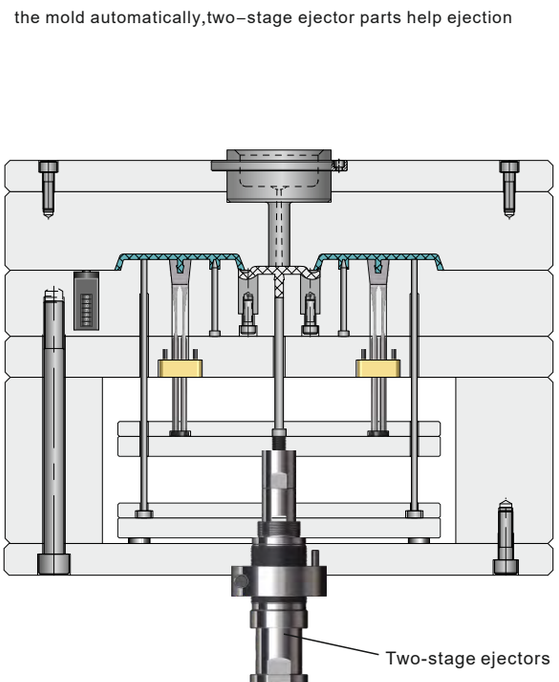
Products Summary

Products Summary:

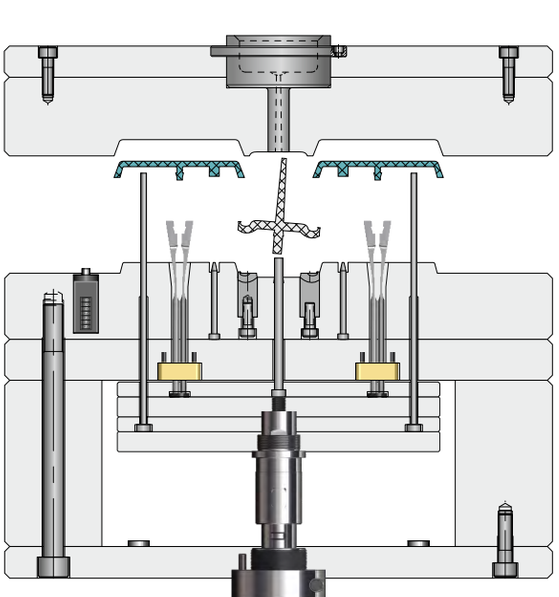
·Under normal circumstances,when finished products out of the mold,,finished the ejector movement in single or multielement one time.

But for special shape products,when bulk processing, the products keep in the mold cave,can not out of

the mold automatically,two-stage ejector parts help ejection



Mold closed

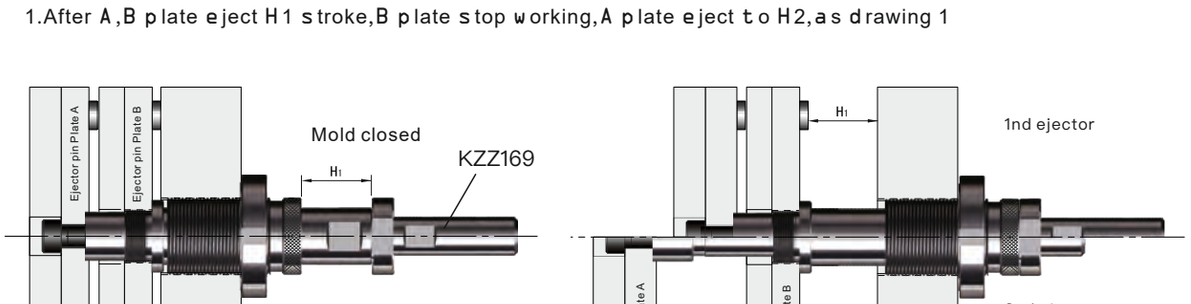


Mold opened

Two-stage ejector Install example:

Example1:external install type:

1.After A,B plate eject H1 stroke,B plate stop working,A plate eject to H2,as drawing 1

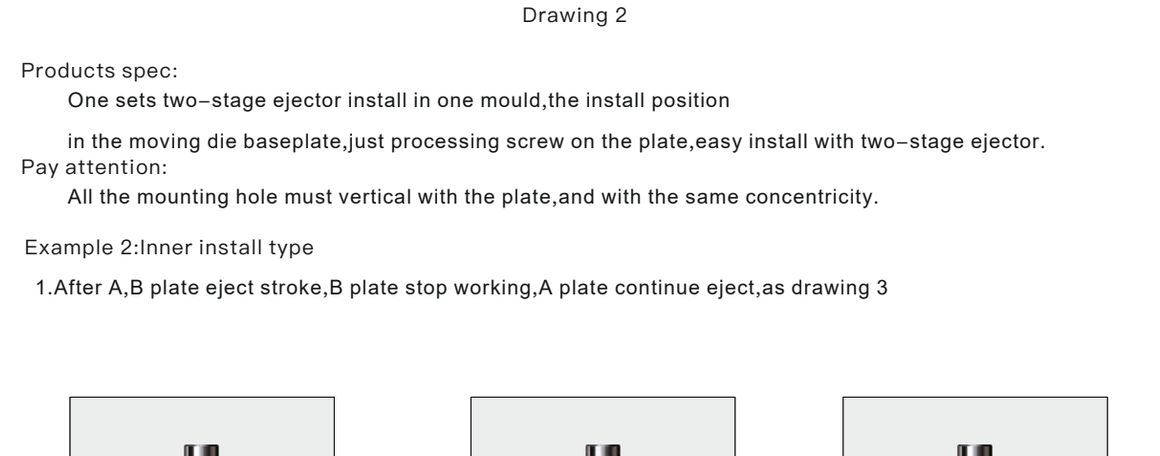


Drawing1

Products Summary

Example 2:Outside install type

2.After A,B plate eject H1 stroke,A plate stop working,B plate eject to H1+H2 position,as drawing 2



Drawing 2

Products spec:

One sets two-stage ejector install in one mould,the install position

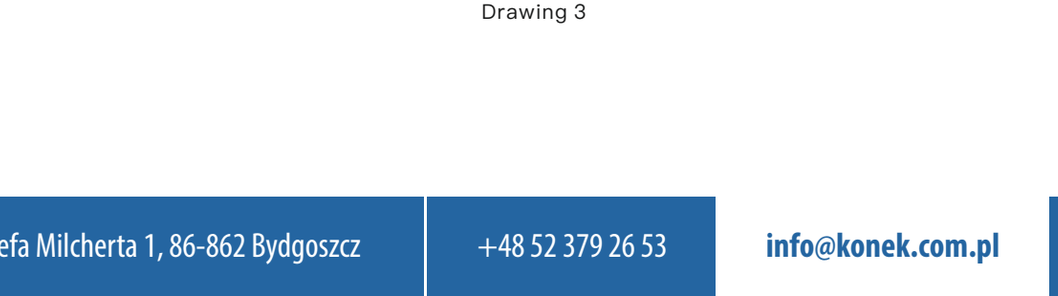
in the moving die baseplate,just processing screw on the plate,easy install with two-stage ejector.

Pay attention:

All the mounting hole must vertical with the plate,and with the same concentricity.

Example 2:Inner install type

1.After A,B plate eject stroke,B plate stop working,A plate continue eject,as drawing 3

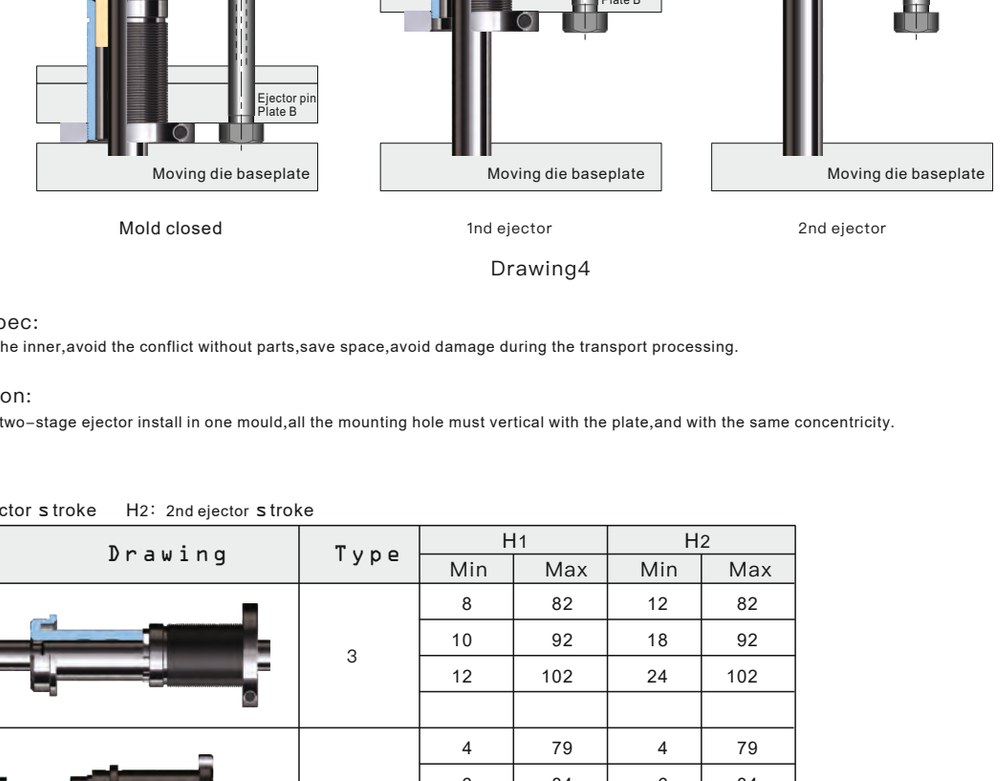


Drawing 3

Products Summary

Example 4:Inner install type

1.After A,B plate eject stroke,A plate stop working,B plate continue eject,as drawing 4



Mold closed　　1nd ejector　　2nd ejector

Drawing4

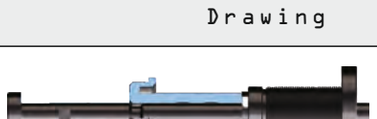
Products spec:

Install in the inner,avoid the conflict without parts,save space,avoid damage during the transport processing.

Pay attention:

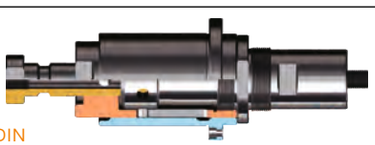
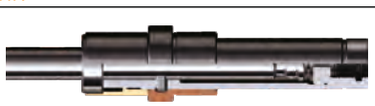
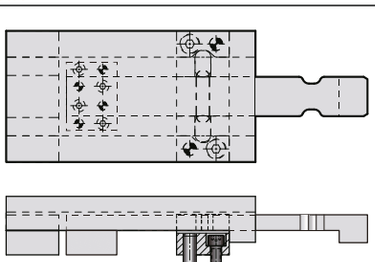
Two sets two-stage ejector install in one mould,all the mounting hole must vertical with the plate,and with the same concentricity.

H1:1nd ejector stroke　H2: 2nd ejector stroke

Drawing	Type	H1		H2	
		Min	Max	Min	Max
 AISI	3	8	82	12	82
		10	92	18	92
		12	102	24	102
 AISI	4	4	79	4	79
		6	84	6	84
		8	92	8	92
 DIN	3	6	76	3	76
		8	96	4	96
		10	130	5	130
 DIN	3	–	42	–	48
		–	54	–	80

Products Summary

H1:1nd ejector stroke H2:2nd ejector stroke

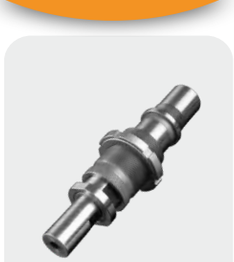
Drawing	Type	H1		H2	
		Min	Max	Min	Max
 DIN	1	5	30	3	50
		6	40	4	70
		7	50	4	70
		7.5	60	5	80
 DIN	1	3	20	–	44
		4	30	–	65
		5	42	–	80
		10	60	–	95
		14	86	–	130
		18	110	–	180
 DIN	2	4	45	4	45
		6	60	5	60
		8	80	6	80
 DIN	2	6	48	4	36
		8	60	5	50
		10	86	6	60
 DIN	1	–	30	–	50
		–	40	–	62
		–	50	–	82
		–	71	–	110
		–	100	–	160
 DIN	1	5	30	–	53
		10	40	–	72
		10	40	–	84
		10	40	–	88
 DIN	Single ejector pin plate achieve eject function	–	40	–	40
		–	40	–	40
		–	40	–	40
 DIN	Install on the side of the mould,different install method with different function. The type of the two-stage ejector have eject and latch lock functions.				

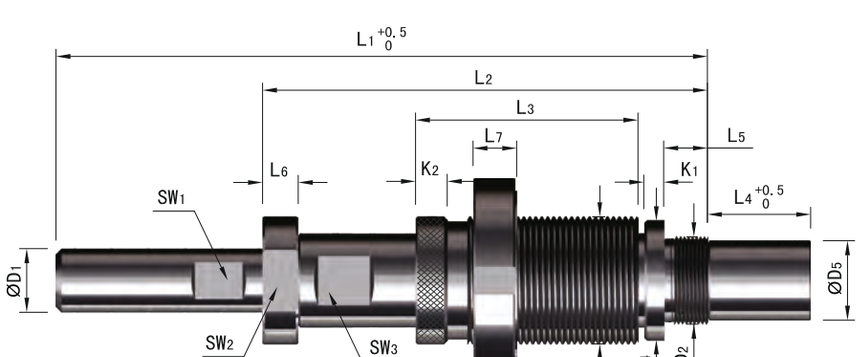
KONEK PSN

DIN

Two-stage ejectors

KZZ169





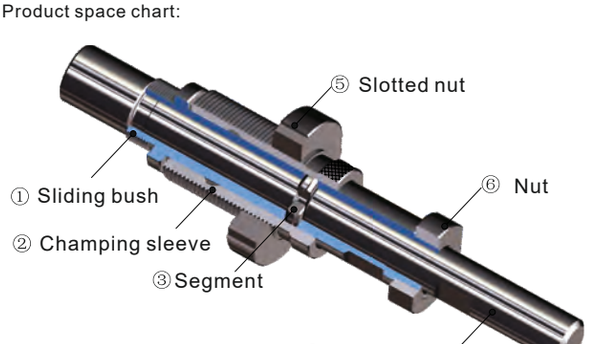
Features:

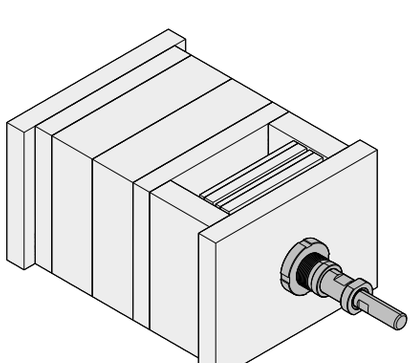
1. Interlocking mechanism design, safe and reliable.
2. The ejector bolt surface is processed with high-frequency treatment, easy to process and install.
3. Some important parts are made of SKD11 and by high quality heat treatment process to make it to be more resistant.
4. The surface with coating treatment, higher wear resistance creates longer lifespan.
5. Sizes are available for 4 different loading weights.

Code	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6	L7
KZZ169-16	M22×1	M32×1.5	30	20	164	112	56	26	11	9	11
KZZ169-22	M30×1.5	M42×1.5	40	28	220	148	75	36	16		12
KZZ169-30	M40×1.5	M60×1.5	50	38	255	170	80	45	21	11	13
KZZ169-40	M52×1.5	M70×1.5	60	50	270	200	98		22	12	14

Code	D1	K1	K2	Sw1	Sw2	Sw3	H1		H2		
							min.	max.	min.	max.	
KZZ169-16	16	5	8	13	28	20	5	30	3	50	
KZZ169-22	22	6	10	17	38	27	6	40	4	70	
KZZ169-30	30	7		24	55	38	7	50			
KZZ169-40	40	8	14	32	65	46	7.5	60	5	80	

Product space chart:





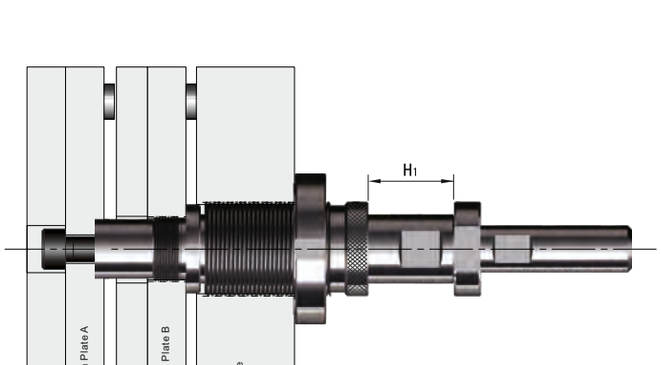
DIN

Two-stage ejectors

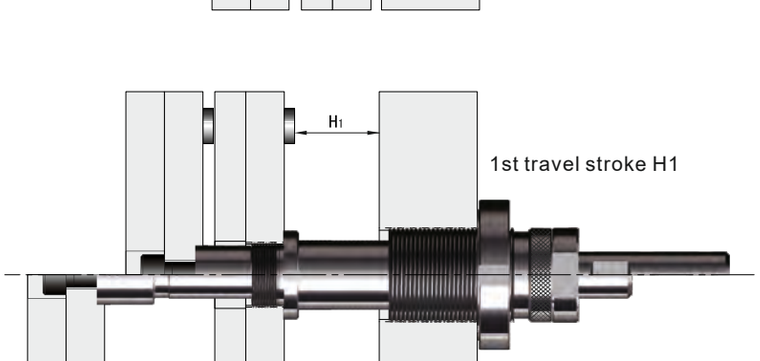
Installation Guidelines:

- Firstly process through holes into A ejector plate, process srew holes into B ejector plate and champing plate (screw holes dimension refer to the ones need matched with D2, D3). Customer can also make flange to lock parts.
- Process one mounting hole in the top of the ejector rod, this mounting hole need match with the through hole into B plate.
- Mount the champing sleeve ② directly on the bottom of champing plate, screw the sliding bushing ① into B ejector plate and the head of the ejector bolt ④ into A ejector plate.
- Adjust the position of champing sleeve ② and the champing plat (flange) to preset the travel stroke H1, and then fix the slotted nut ⑤.
- In order to connect with the central ejector bolt of the injection mold, it is available to thread the internal thread at the end of the ejector bolt. Different threads for different Two-stage ejectors.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- The nut ⑥ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

Functional chart:



Mold closed



1st travel stroke H1

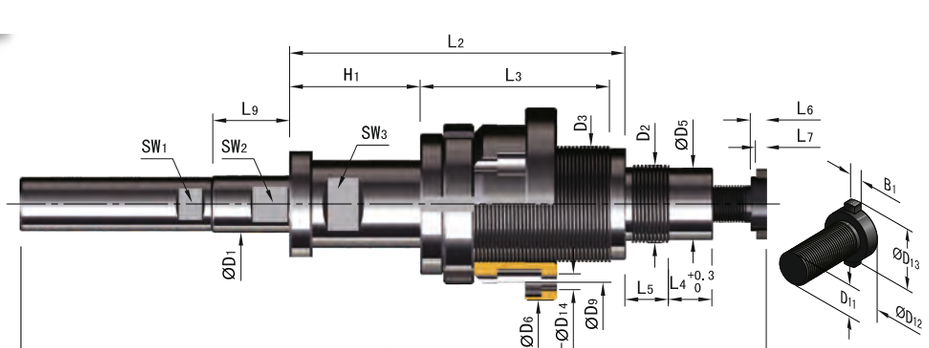
2nd travel stroke H2

KONEK PSN

DIN

Two-stage ejectors

KZZ1691

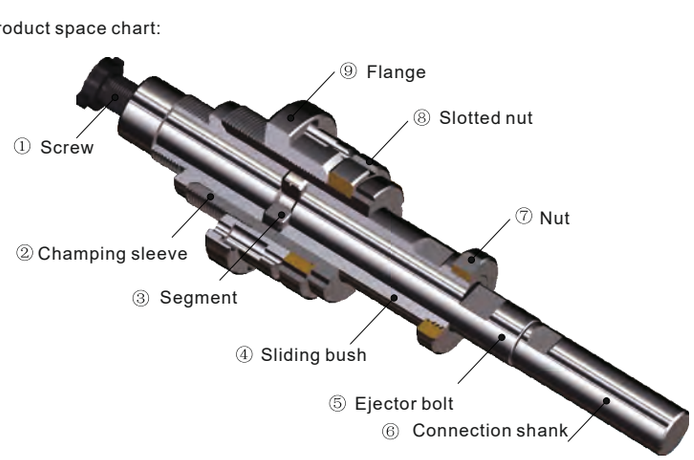


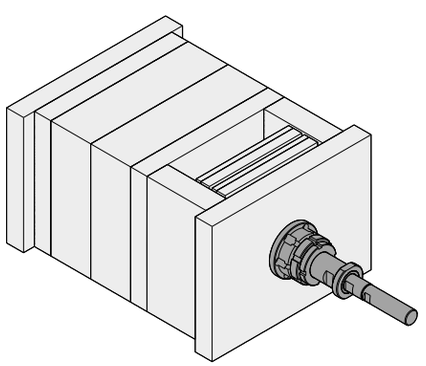
Features:
1.Interlocking mechanism design, safe and reliable.
2.The surface with coating treatment. Higher wear resistance creates longer lifespan.

Code	D2	D3	D5	D6	D9	D11	D12	D13	D14	B1	Sw1	Sw2	Sw3
KZZ1691-13	M20×1	M28×1.5	18.5	50	41.6	M 8×0.75	13.4	17.6	4.3	3.2	10	10	17
KZZ1691-17	M24×1.5	M35×1.25	22	60	48	M11×1	17.4	22	5.4	4	13	12	21
KZZ1691-22	M30×1.5	M45×1.5	28	75	61	M14×1	21	27	6.5	5	17	17	27
KZZ1691-30	M40×1.5	M60×1.5	38	100	82	M18×1	26	33	8.8	6	24	22	36
KZZ1691-40	M55×1.5	M75×1.5	52	125	104	M25×1.5	35	43	11	8	32	32	46
KZZ1691-52	M72×1.5	M98×2	69	150	128	M34×1.5	48	58	11	9	41	41	65

Code	D1	L1	L2	L3	L4	L5	L6	L7	L9	H1	H2 max.	
KZZ1691-13	13	164	72	38.8	21	9	4	2.6	22	3- 20	44	
KZZ1691-17	17	228	110	63		12	5	3.5	25	4- 30	65	
KZZ1691-22	22	270	131	74	17	17	6	4	30	6- 42	80	
KZZ1691-30	30	340	166	89	27		7	5	38	10- 60	95	
KZZ1691-40	40	470	232	122	41	27	10	7	50	14- 86	130	
KZZ1691-52	52	583	295	155	51		15	11	60	18-110	180	

Product space chart:





KONEK PSN

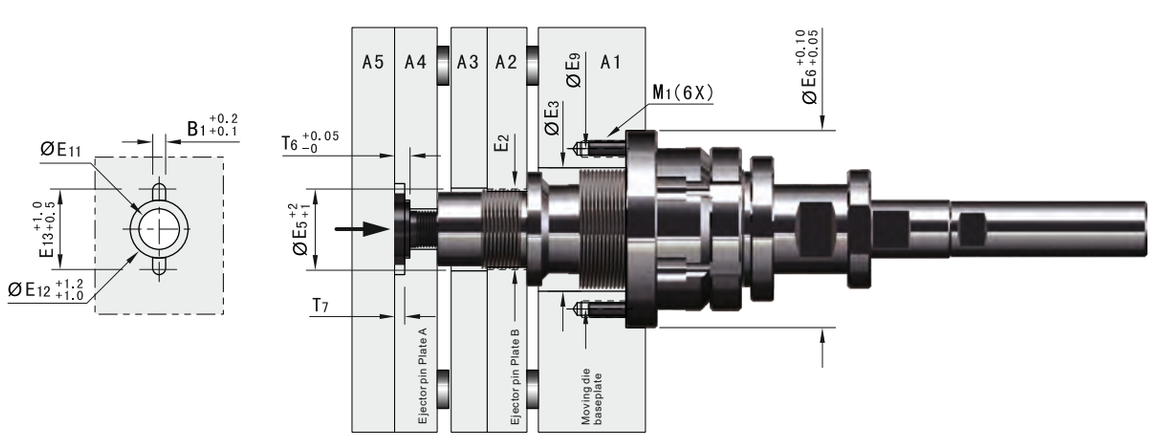
DIN

Two-stage ejectors

Installation Guidelines:

- Process through holes into A plate and champing plate, screw holes into B plate and 6 screw holes into champing plate (holes dimension refer to "Dimension chart"). Please note that all holes should be homocentric and perpendicular to parting surface.
- Fix the flange onto champing plate by hexagonal socket head cap screw, pre-tight the screw and lock it after other parts installation.
- Turn the champing sleeve ② into the flange⑨, screw the sliding bushing ④ into B ejector plate,lock the head of ejector bolt⑤ on ejector A plate by Screw ①.
- Adjust the position of champing sleeve ② and the champing plat (flange) to preset the travel stroke H1, and then fix the slotted nut ⑧.
- The internal thread at the end of the ejector bolt had been threaded in order to connect with the central ector bolt of the injection mold. Different threads for different Two-stage ejectors.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- The nut ⑦ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

Dimension chart:



D1	B1	E2	E3	E5	E6	E9	E11	E12	E13	T6	T7	M1
13	3.2	M20×1	30	21	50	41.6	10	13.4	18	4	3	M 4
17	4	M24×1.5	37	25	60	48	13	17.4	21	5	4	M 5
22	5	M30×1.5	47	31	75	61	16	21	28	6	4.5	M 6
30	6	M40×1.5	62	41	100	82	20	26	34	7	5.5	M 8
40	8	M55×1.5	77	56	125	104	27	35	44	10	7.5	M10
52	9	M72×1.5	100	73	150	128	36	48	59	15	11.5	

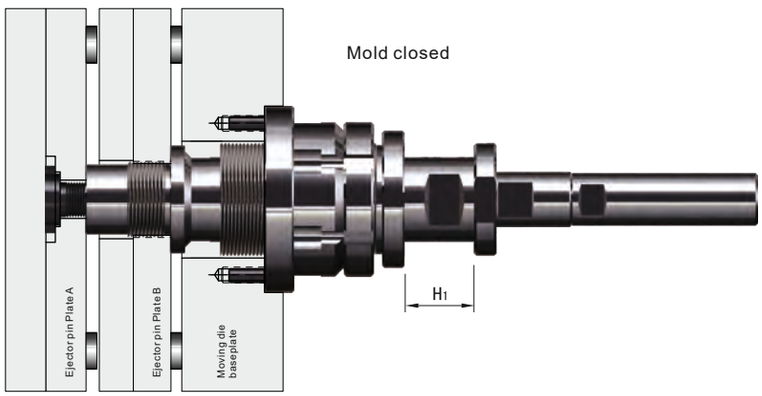
KONEK PSN

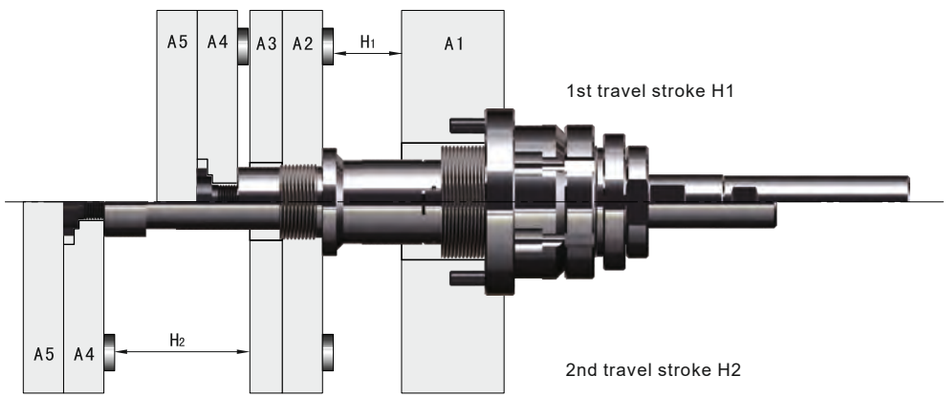
DIN

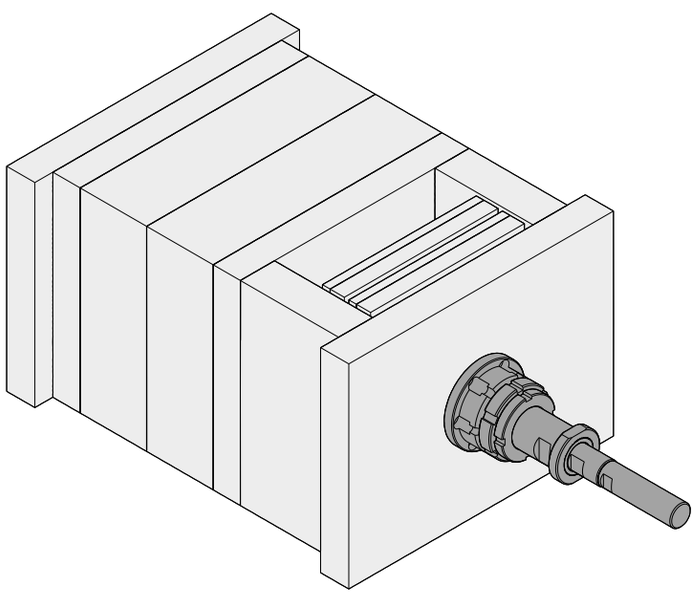
Two-stage ejectors

KZZ1691

Functional chart:





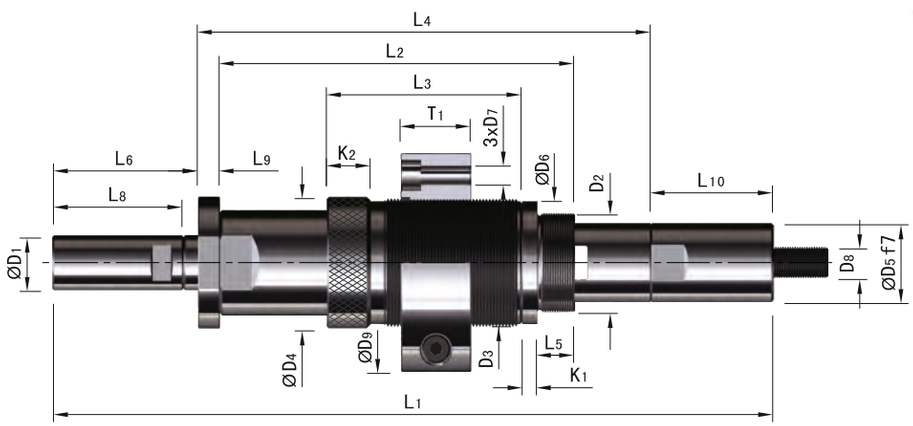


KONEK PSN

DIN

Two-stage ejectors

KZZ1695



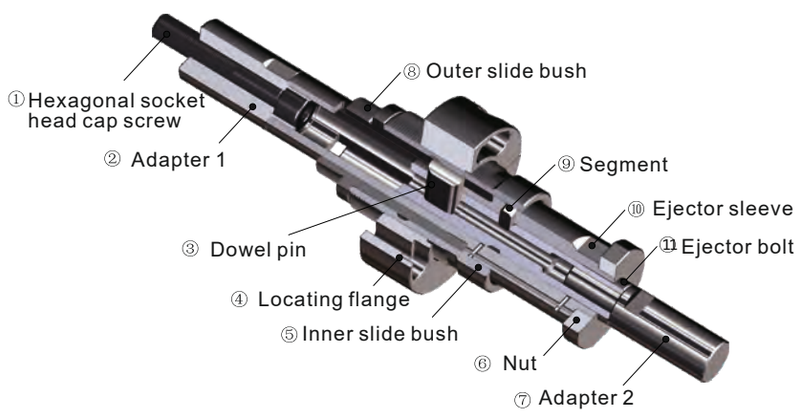
Features:
1.Interlocking mechanism design, safe and reliable.
2.The surface with coating treatment, higher wear resistance creates longer lifespan.

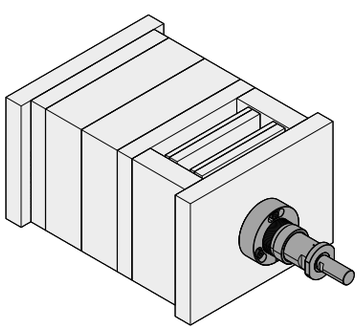
Code	D2	D3	D4	D5	D6	D7	D8	D9	T1
KZZ1695-22	M40×1.5	M52×1.5	52	31.5	50	9	M12×1.5	90	25
KZZ1695-25	M45×1.5	M60×1.5	60	36	56		M14×1.5	100	32
KZZ1695-32	M55×1.5	M72×1.5	72	44	70	11	M16×1.5	110	42

Code	L1	L2	L3	L4	L5	L6	L8	L9	L10
KZZ1695-22	278	141	82	175	17	58	52	10	45
KZZ1695-25	329	163	89	207		66	60		56
KZZ1695-32	430	196	106	257	22	102	82	12	71

Code	D1	K1	K2	Sw1	Sw2	Sw3	H1		H2	
							min.	max.	min.	max.
KZZ1695-22	22	6	18	17	46	36	6	48	4	36
KZZ1695-25	25	7		19	55	41	8	60	5	50
KZZ1695-32	32	8	16	27	65	50	10	86	6	60

Product space chart:



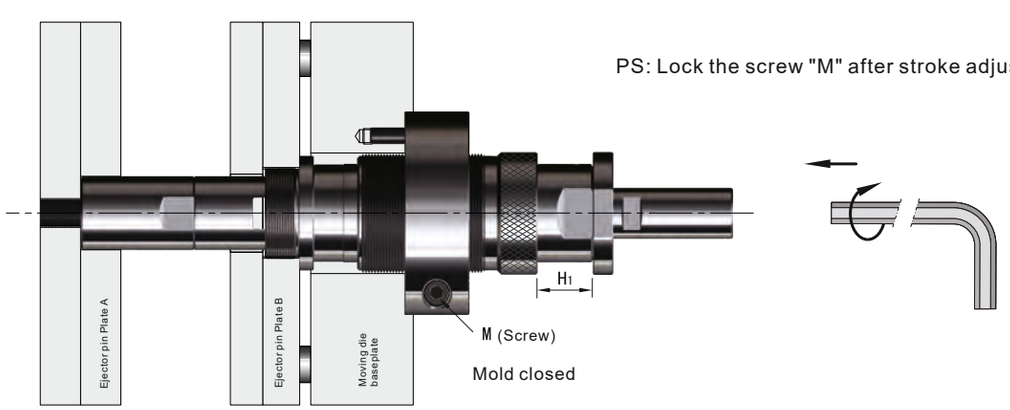


Two-stage ejectors

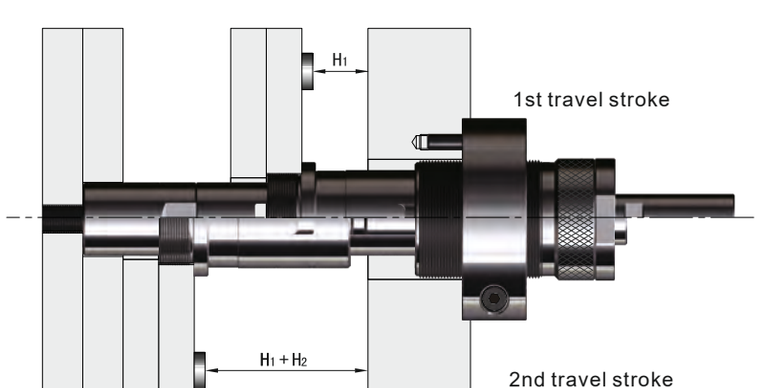
Installation Guidelines:

- Fix the locating flange④ onto the champing plate by hexagonal socket head cap screw,pre-tight the screw and lock it after other parts installation.
- Turn the inner slide bush⑤ into the locating flange ④, screw the outer slide bush ⑧ into B ejector plate. Customer can make small flange and lock it onto B ejector plate to match with outer slide bush ⑧.
- Fix the Adapter 1 ② onto A ejector plate by hexagonal socket head cap screw.
- Adjust the position of inner slide bush⑤ and the locating flange④ to preset the travel stroke H1, and then fix the locating flange④.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- The nut ⑥ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

Functional chart:



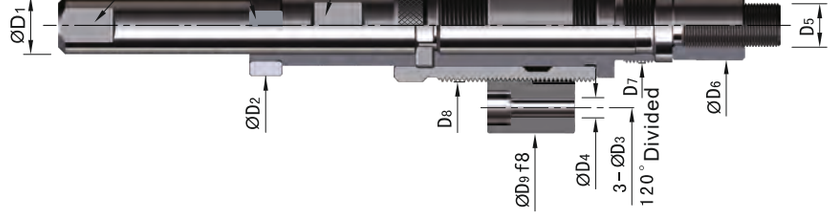
PS: Lock the screw "M" after stroke adjustment.



Dismount adapter 2 ⑦ before mounting adapter 1 ② .
Insert the adapter 1 from the axis of ejector rod by hexagon wrench, and then fix it onto A ejector plate by hexagonal socket head cap screw① .

Two-stage ejectors

KZZ5085

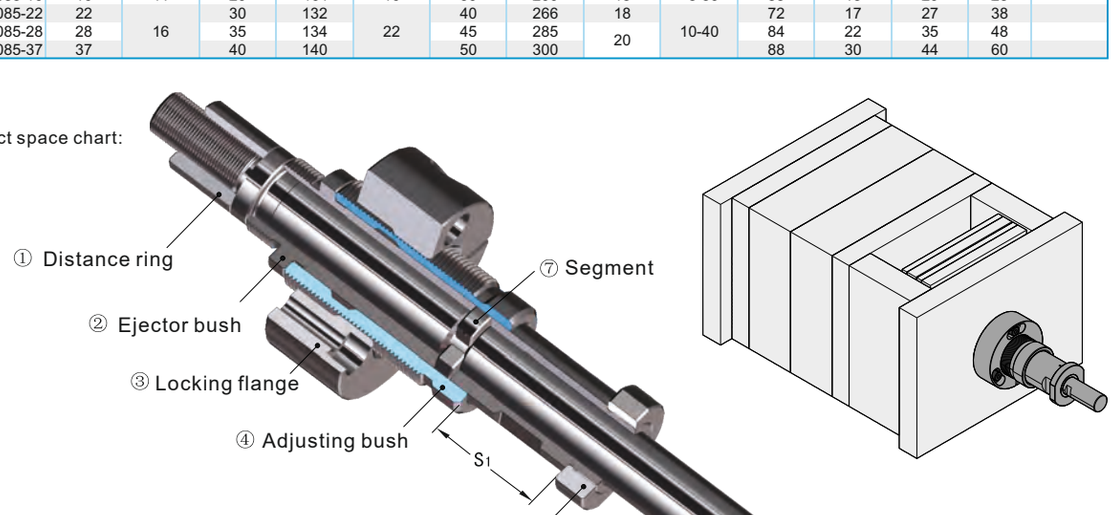


Features:
1.Interlocking mechanism design, safe and reliable.
2.The surface with coating treatment, higher wear resistance creates longer lifespan.

Code	D2	D3	D4	D5	D6	D7	D8	D9	K2	K3	K4	K5	K6	L1
KZZ5085-16	32	46	5.6	M12×1	20.6	M22×1	M32×1.5	60	9	8	24	5	5	56
KZZ5085-22	42	62	6.6	M16×1.5	28	M30×1.5	M42×1.5	80		10	30	6	6	75
KZZ5085-28	53	72	9	M20×1.5	36	M38×1.5	M52×1.5	90	10.5	12		8		
KZZ5085-37	64	80		M24×1.5	44	M48×1.5	M62×1.5	102	10.6					

Code	D1	L2	L3	L4	L5	L6	L7	L8	S1	S2	Sw1	Sw2	Sw3	
KZZ5085-16	16	11	20	101	16	30	200	15	5-30	53	13	20	28	
KZZ5085-22	22	16	30	132	22	40	266	18	10-40	72	17	27	38	
KZZ5085-28	28		35	134		45	285	20		84	22	35	48	
KZZ5085-37	37		40	140		50	300			88	30	44	60	

Product space chart:



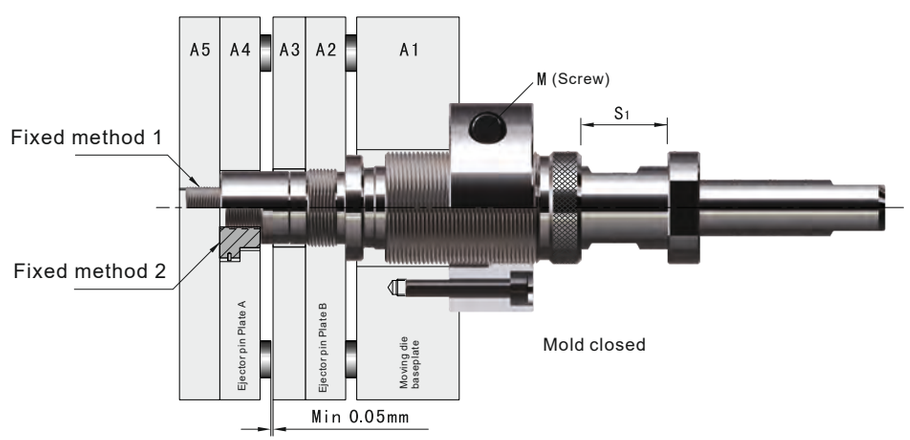
DIN

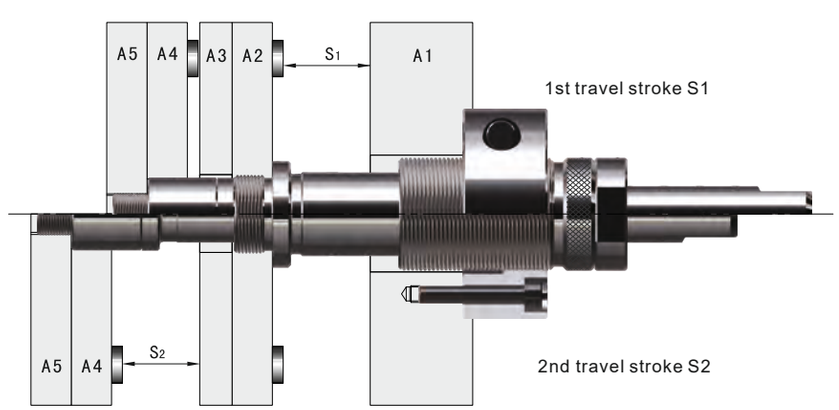
Two-stage ejectors

Installation Guidelines:

- Fix the locking flange③ onto the champing plate by hexagonal socket head cap screw, pre-tight the screw and lock it after other parts installation.
- Turn the Adjusting Bush ④ into the Locking Flange ③, screw the Ejector Bush ② onto B ejector plate, lock the head of Ejector Rod ⑥ onto ejector A ejector plate. Customer can make small flange and then fix it onto B ejector plate to lock with Ejector Bush ② or Ejector Rod ⑥.
- Adjust the position of Adjusting Bush ④ and the Locking flange③ to preset the travel stroke S1, and then fix the Locking flange③.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- The Stop Nut ⑤ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

Functional chart:

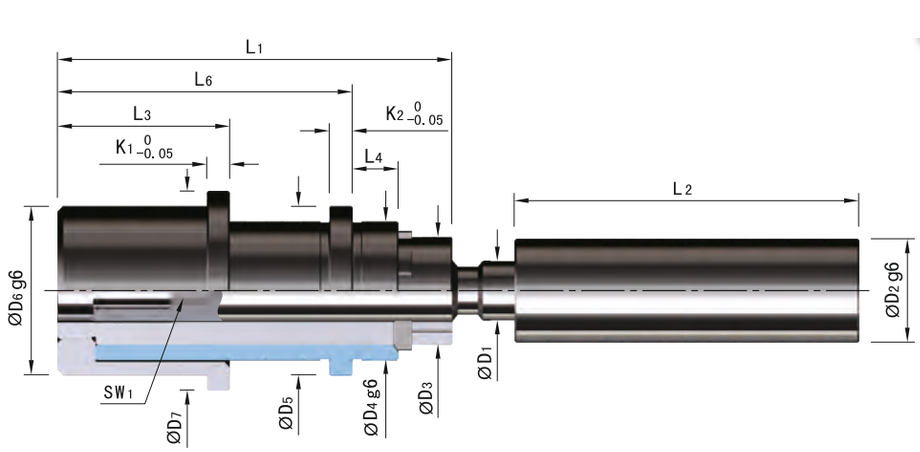




DIN

Two-stage ejectors

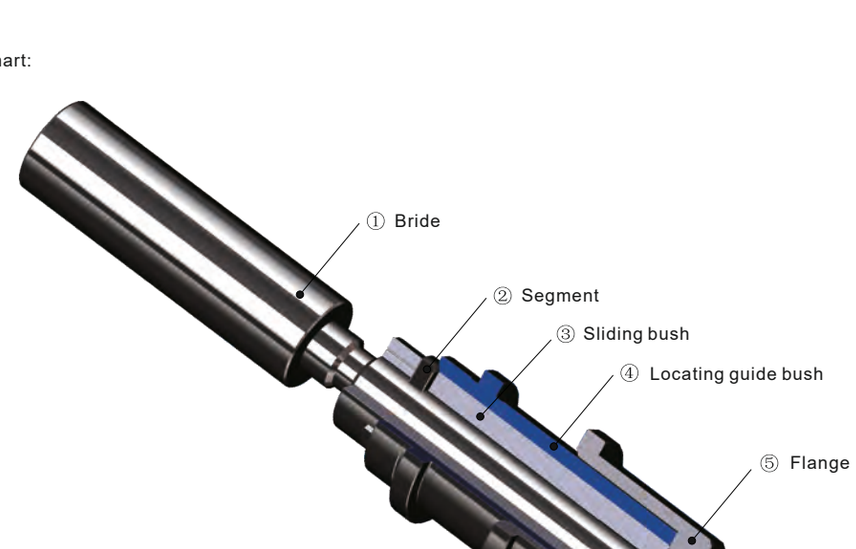
KZZ1697



Code	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5
KZZ1697-16	27	28	36	44	44	52	103	90	45	12	5
KZZ1697-20	32	34	43	51	51	59	134	100	59	17	6
KZZ1697-26	42	43	54	63	64	73	168	150	74	22	7

Code	D1	L6	K1	K2	Sw1	H1		H2		
						min.	max.	min.	max.	
KZZ1697-16	16	77	6	6	8	6	76	3	76	
KZZ1697-20	20	101	7	7	10	8	96	4	96	
KZZ1697-26	26	126	8	8	14	10	130	5	130	

Product space chart:



DIN

Two-stage ejectors

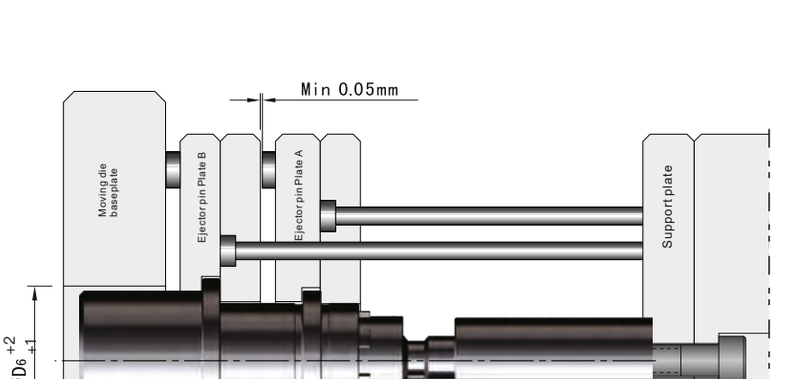
Features:

1. Interlocking mechanism design, safe and reliable.
2. The bride surface is processed with high-frequency treatment, easy to process and install.
3. Some important parts are made of SKD11 and by high quality heat treatment process to make it to be more resistant.
4. The surface with coating treatment, higher wear resistance creates longer lifespan.
5. It is mounted into the mold to avoid to collide with the outside parts of mold.

Installation Guidelines:

- Firstly process through holes into champing plate, process precise screw holes into the A, B ejector plates.
- Mount the flange onto B ejector plate, locating guide bush onto A ejector plate.
- Mount the bride after calculating the 1st travel stroke H1 accurately. Customer can process the screw holes after cutting the needed length from the bigger diameter side of bride and then screw the bride onto the bearing plate by hexagonal socket head cap screw. (Please make sure that : 1. the surface after cutting should be perpendicular to bride; 2. the bride should be in line with the central of sliding bush before locking; 3. The stroke could not be adjusted after mounting.)。
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- A minimum 2 sets Two-stage ejector must to be mounted symmetrically in mold. Make sure the STROKE is exactly applicable,otherwise the product would be easy to damage.

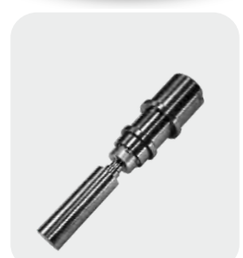
Dimension chart:



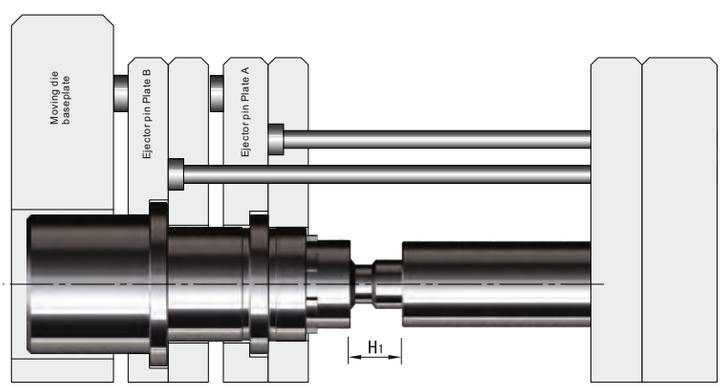
DIN

Two-stage ejectors

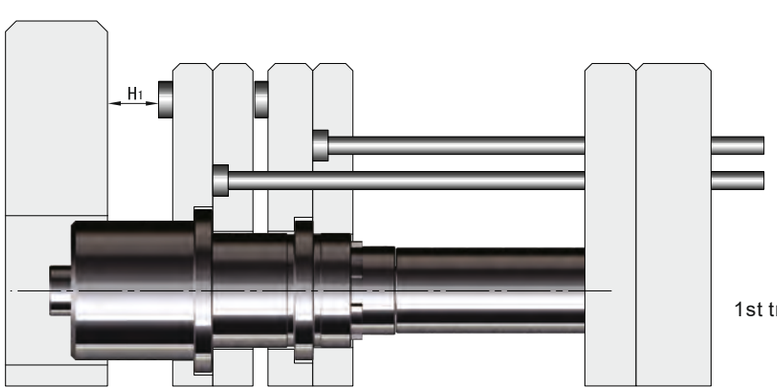
KZZ1697



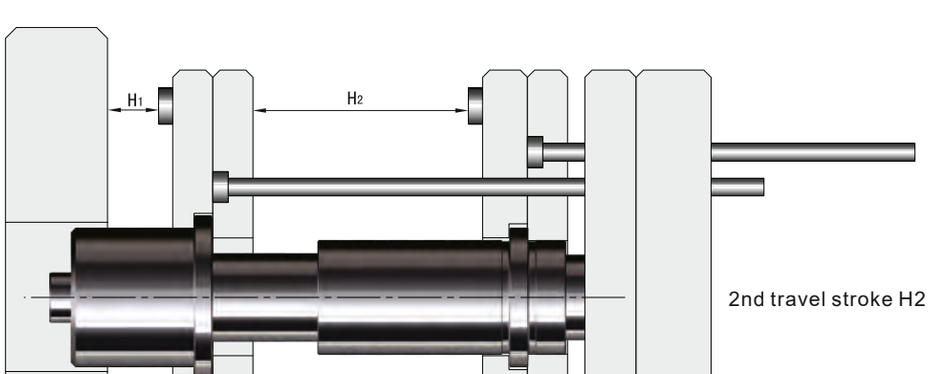
Functional chart:



Mold closed



1st travel stroke H1



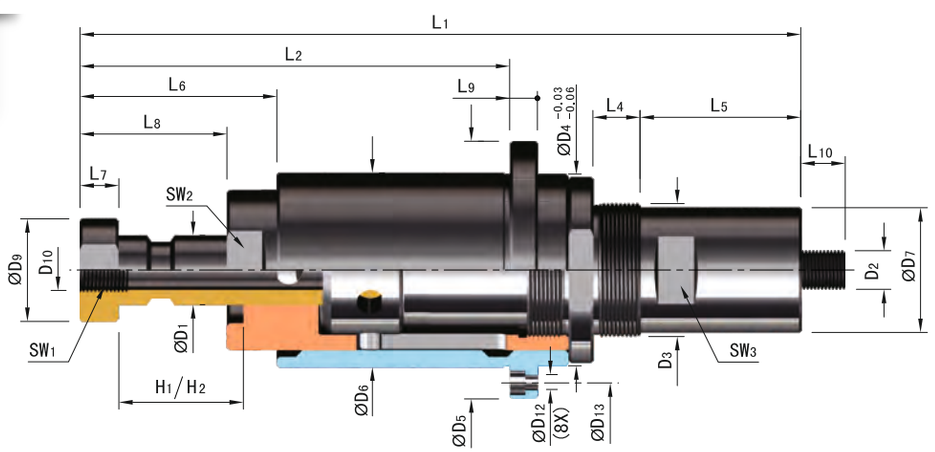
2nd travel stroke H2

KONEK PSN

DIN

Two-stage ejectors

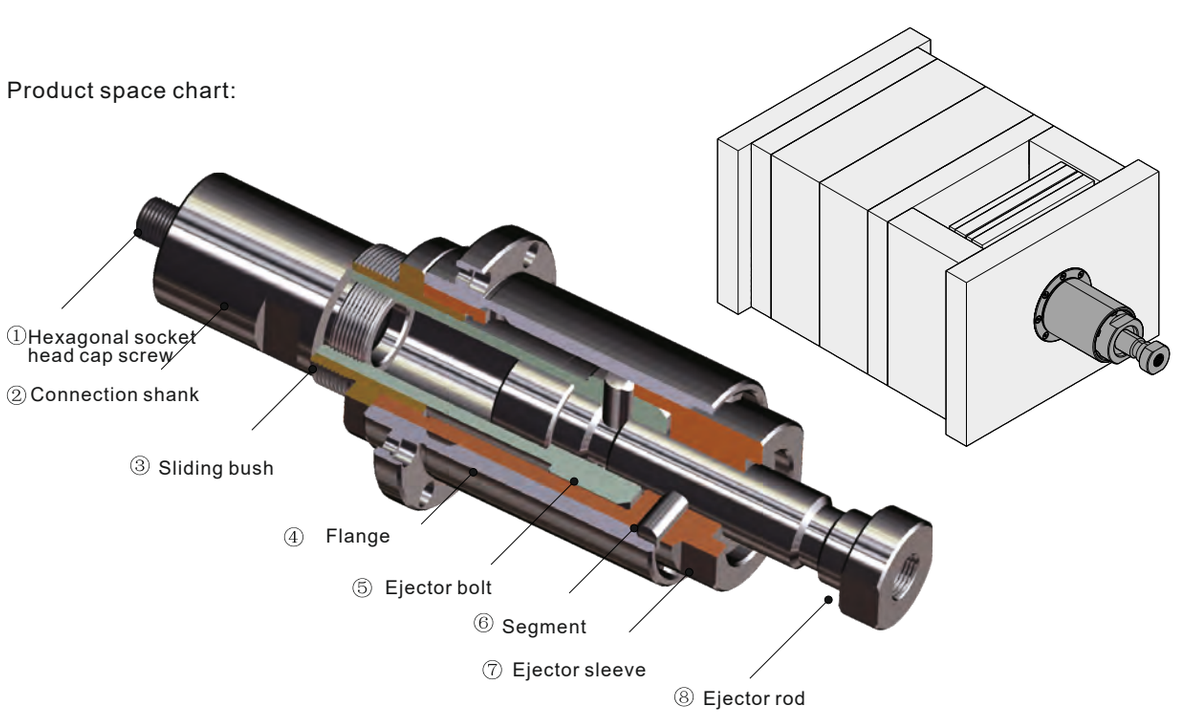
KZZ1692



Code	D2	D3	D4	D5	D6	D7	D9	D10	D12	D13	SW1	SW2	SW3	H1
KZZ1692-25-45	M14×1	M48×1.5	69	93	70	45	37	M16	5.4	81	32	50.2	38	4-45
KZZ1692-32-60	M18×1	M58×1.5	80	110	82	55	46		6.4	95	41	60.2	46	6-60
KZZ1692-40-80	M24×1.5	M76×1.5	106	140	108	73	56	M24	8.5	123	50	80.2	65	8-80

Code	D1	L1	L2	L4	L5	L6	L7	L8	L9	L10	H2	
											min.	max.
KZZ1692-25-45	25	260	155	17	58	71	14	53	10	16	4	45
KZZ1692-32-60	32	325	198		80	89	15	68	12	25	5	60
KZZ1692-40-80	40	471	258	22	152	116	18	90	14	24	6	80

Product space chart:



DIN

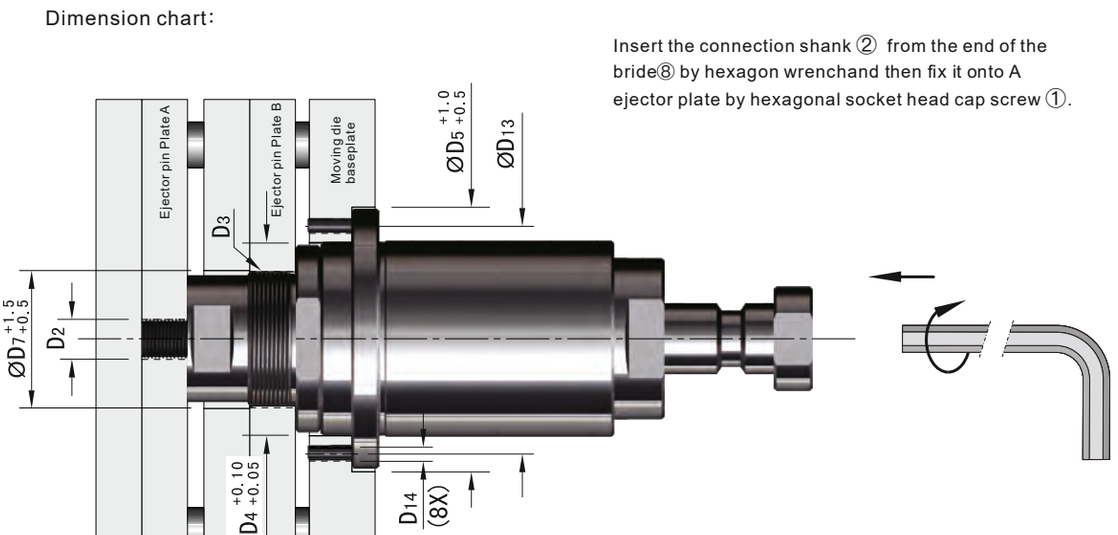
Two-stage ejectors

Features:

1. Interlocking mechanism design, safe and reliable.
2. Some important parts are made of SKD11 and by high quality heat treatment process to make it to be more resistant.
3. The surface with coating treatment, higher wear resistance creates longer lifespan.
4. Sizes are available for different loading weights.

Dimension chart:

Insert the connection shank ② from the end of the bride⑧ by hexagon wrenchand then fix it onto A ejector plate by hexagonal socket head cap screw ①.



Code	D2	D3	D4	D5	D7	D13	D14
KZZ1692-25-45	M14×1	M48×1.5	69	93	49	81	M5
KZZ1692-32-60	M18×1	M58×1.5	80	110	59	95	M6
KZZ1692-40-80	M24×1.5	M76×1.5	160	140	77	123	M8

Installation Guidelines:

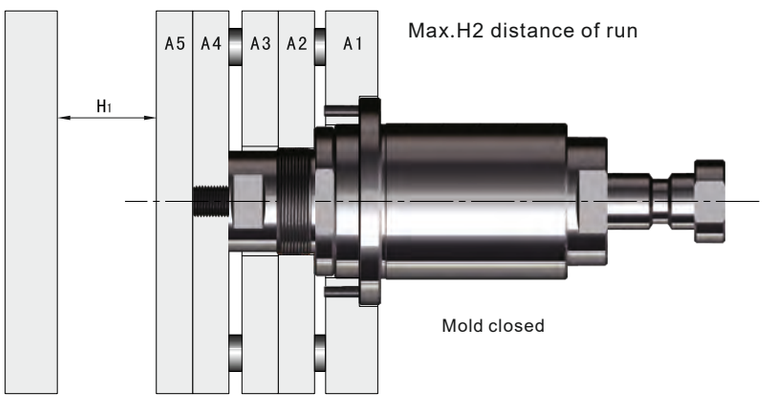
- Screw the flange ④ onto champing plate, sliding bush ③ onto B ejector plate.
- Insert the connection shank ② from the end of the bride ⑧ by hexagon wrench and then fix it onto A ejector plate by hexagonal socket head cap screw ①.
- Do not adjust the stroke after installation, and make that that H2≤H1.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

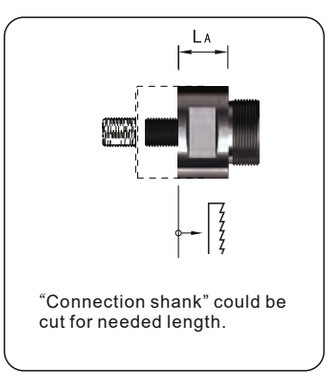
DIN

Two-stage ejectors

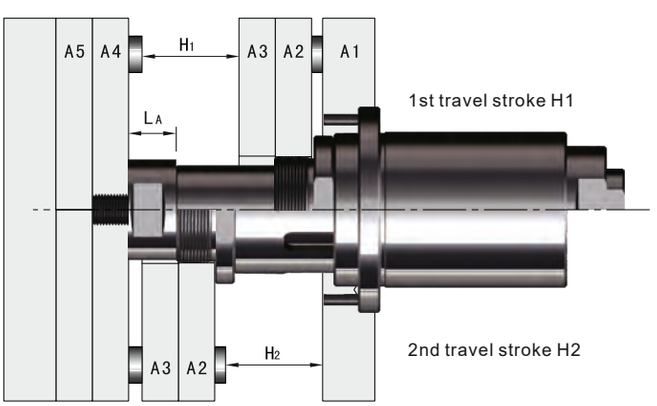
KZZ1692

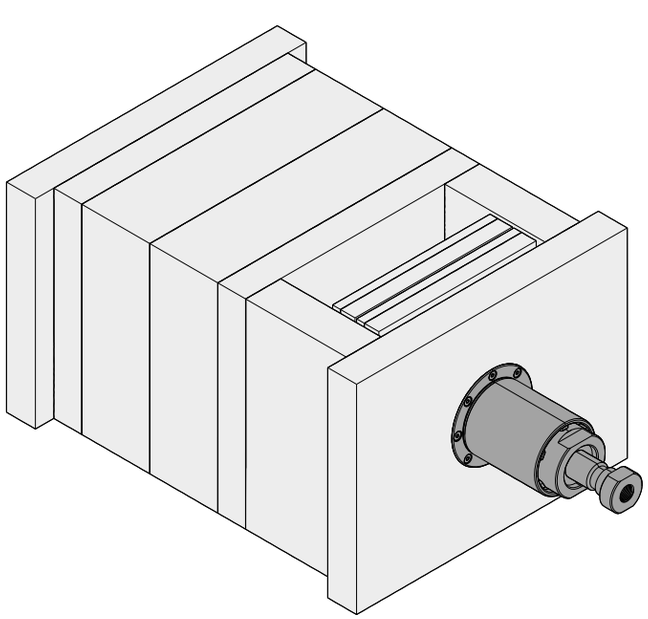
Functional chart:





"Connection shank" could be cut for needed length.

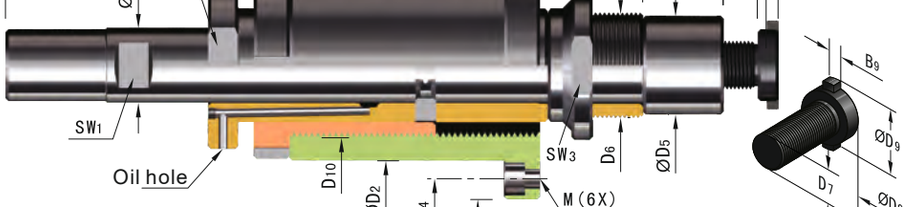




DIN

Two-stage ejectors

KEE1860

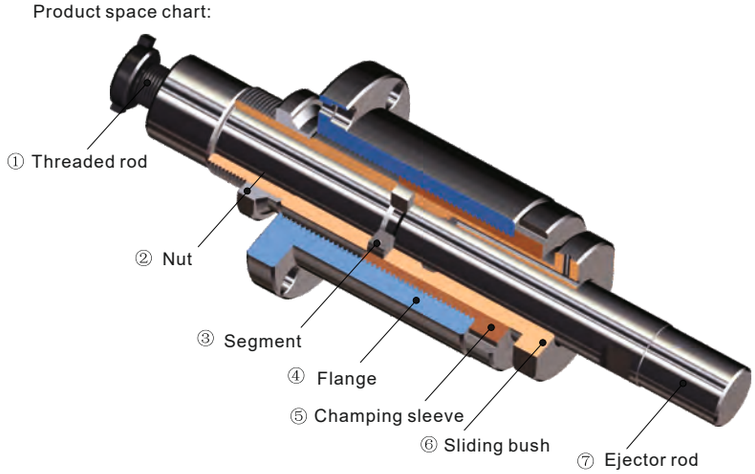


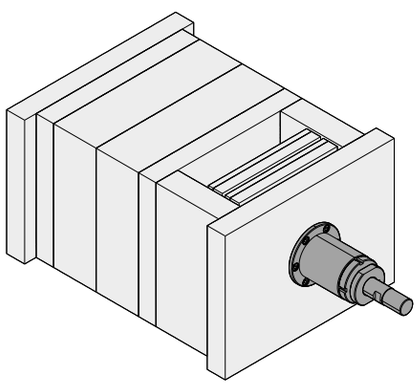
Features:
1.Interlocking mechanism design, safe and reliable.
2.The surface with coating treatment, higher wear resistance creates longer lifespan.

Code	D2	D3	D4	D5	D6	D7	D8	D9	D10	B9	M	L1
KEE1860-15	38	55	46	18.7	M20×1	M 9×1	15.5	20	M31×1.25	3.5	M 4	157
KEE1860-18	50	72	60	24	M26×1.5	M12×1	18.5	23	M40×1.5	4	M 5	190
KEE1860-25	64	90	76	33	M35×1.5	M16×1	24	30	M52×1.5	5	M 6	241
KEE1860-33	80	114	96	43	M45×1.5	M20×1.25	29	37	M66×1.5	6	M 8	315
KEE1860-44	100	138	118	56	M58×1.5	M28×1.5	40	48	M84×2	7	M10	428

Code	D1	L2	L3	L5	L6	L8	L9	L10	L12	L13	Sw1	Sw2	Sw3	
KEE1860-15	15	54	8	19	12	5	3.6	90	10	82	12	27	27	
KEE1860-18	18	64	10	17	17	6	4	101	8	92	14	36	34.2	
KEE1860-25	25	84	12	27		7	5	129	10	119	20	50	46	
KEE1860-33	33	111	13	32	22	9		170	15	156	27	60	60	
KEE1860-44	44	156	16	41	27	11	6	236	20	220	36	75	75	

Product space chart:



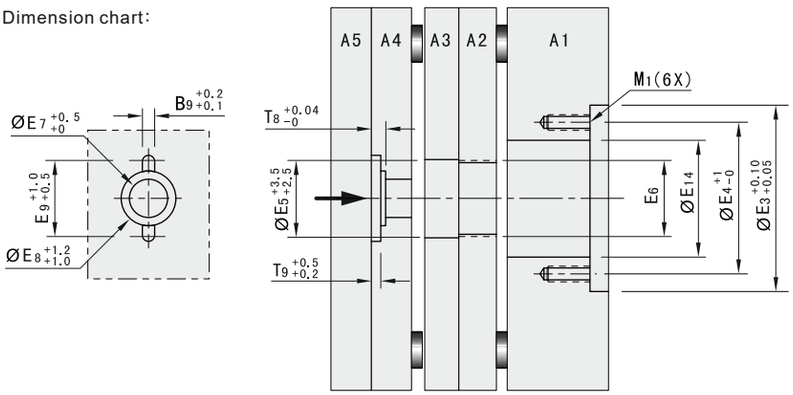


DIN

Two-stage ejectors

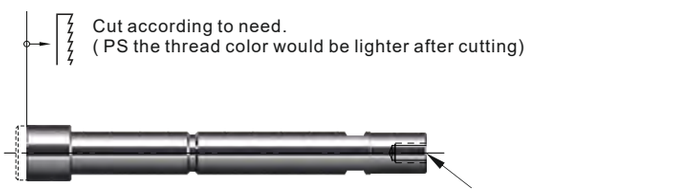
KEE1860

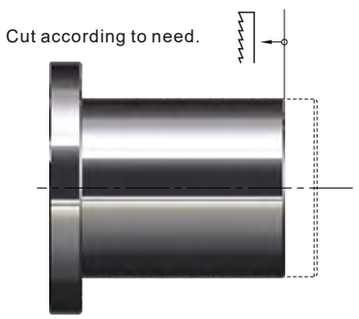
Dimension chart:

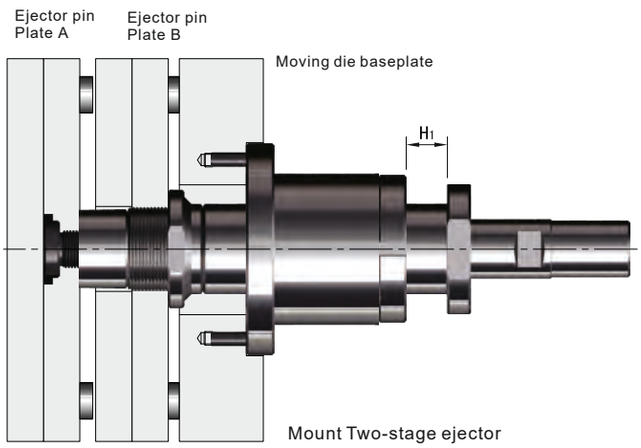


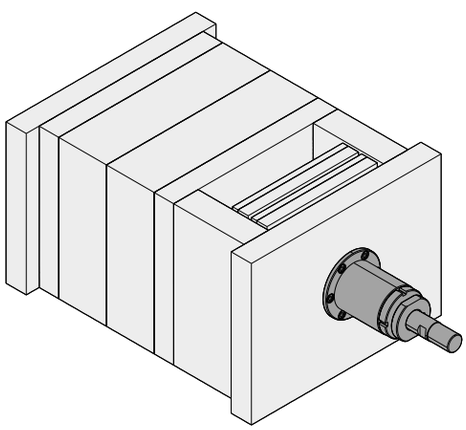
D1	E3	E4	E5	E6	E7	E8	E9	E14	T8	T9	H1	H2	M1
15	55	46	18.7	M20×1	10	15.5	20	33	5	3.6	30	50	M 4
18	72	60	24	M26×1.5	13	18.5	23	42	6	4	40	62	M 5
25	90	76	33	M35×1.5	17	24	30	54	7	5	50	82	M 6
33	114	96	43	M45×1.5	22	29	37	68	9		71	110	M 8
44	138	118	56	M58×1.5	30	40	48	86	11	6	100	160	M10

Installation Diagram:









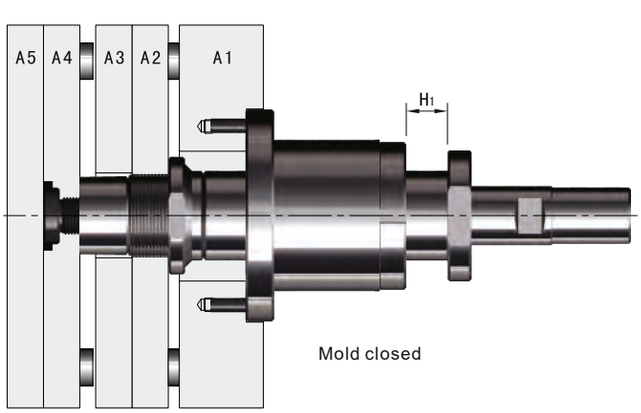
DIN

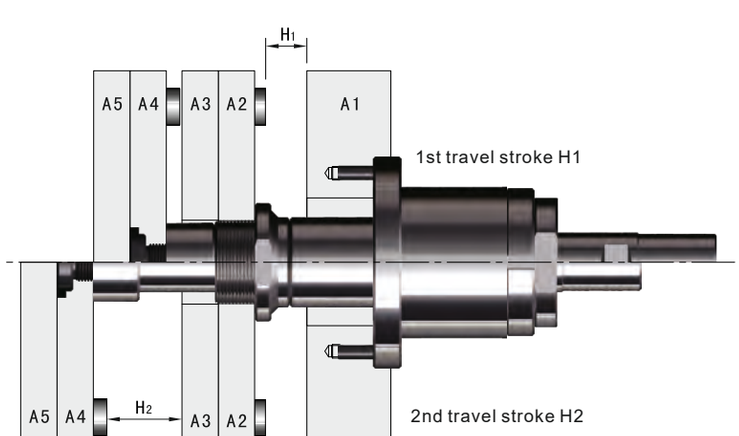
Two-stage ejectors

Installation Guidelines:

- Process the mounting holes as per dimension chart.
- Calculate the travel strokes accurately and cut the needed length for flange④ and ejector rod ⑦. Do not adjust the strokes after installation.
- Mount the flange ④ into the champing plate, screw the sliding bushing ⑥ into B ejector plate and the ejector rod ⑦ into A ejector plate.
- In order to connect with the central ejector rod of the injection mold, it is available to thread the internal thread at the end of the ejector rod. Different threads for different Two-stage ejectors.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.
- If need to maintain, please remove the two-stage ejector firstly.

Functional chart:

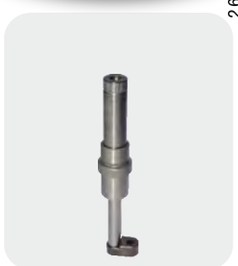


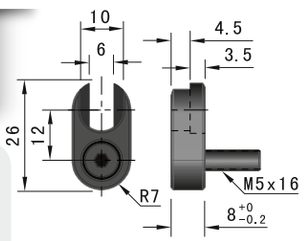


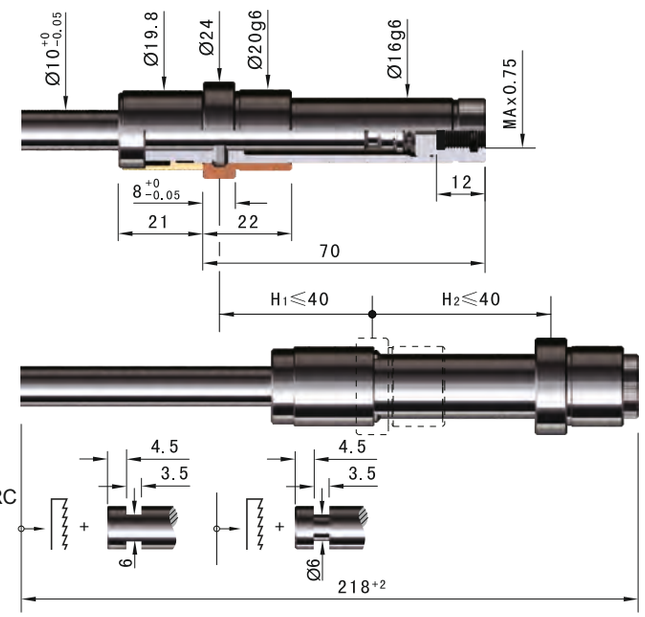
DIN

Two-stage ejectors

KLLR



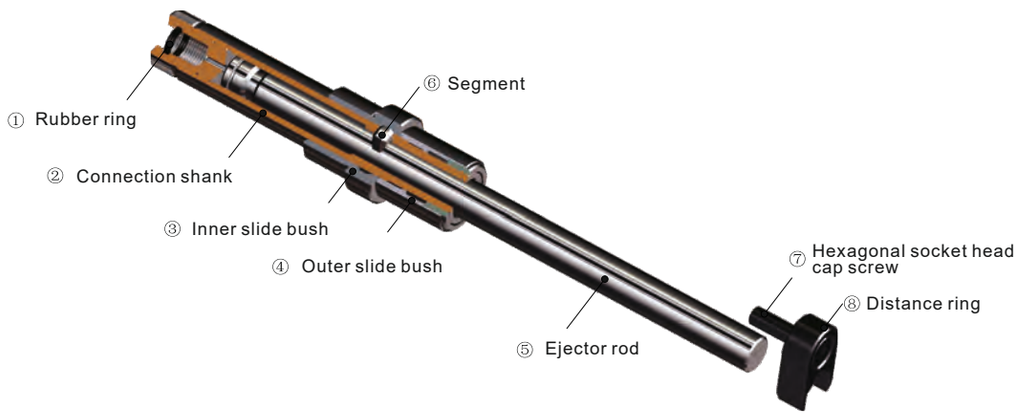




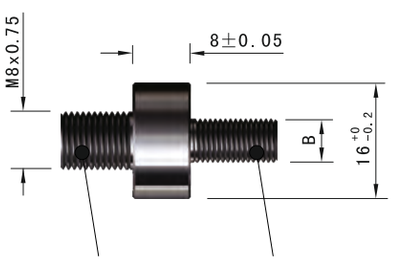
Material:SUJ2 Hardness:58-62HRC

Code	A	AAL	
KLLR-061620	6	-	
KLLR-081620	8	•	
KLLR-101620	10	-	

Product space chart:



KAAL



Material:SUJ2 Hard :58-62HRC

Connect:LLR-081620 Connect:PPW/PPS series

Code	B	
KAAL-0800M4	M4	
KAAL-0800M5	M5	
KAAL-0800M6	M6	
KAAL-0800M8	M8	

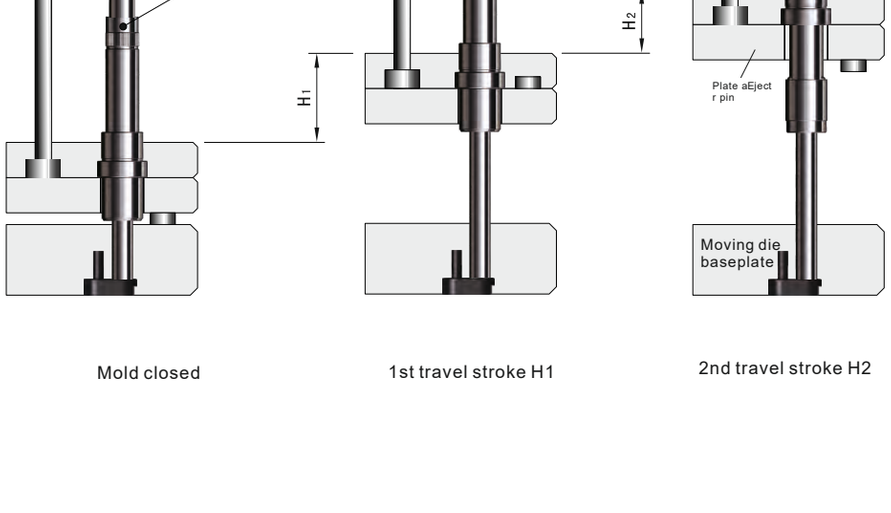
DIN

Two-stage ejectors

Installation Guidelines:

- Firstly dismount the Outer slide bush and fix it onto ejector plate, and then reinstall it into two-stage ejector.
- Fix the two-stage ejector with sprung core or ejector pin which had been inserted through B ejector plate.
- Calculate the strokes accurately, cut the needed length for ejector rod and process the connection groove, and then mount the ejector rod onto the champing plate.
- Do not adjust the strokes after installation.
- All movable parts must be kept clean and lubricated smoothly periodically.

Functional chart:



Mold closed

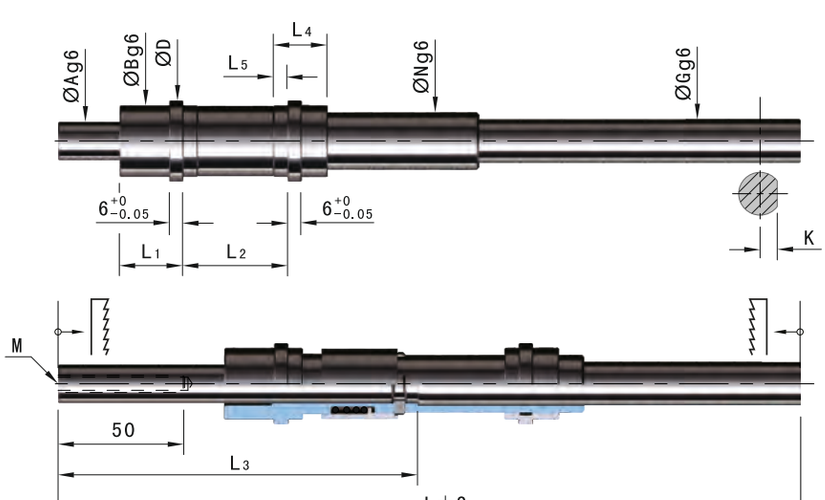
1st travel stroke H1

2nd travel stroke H2

DIN

Two-stage ejectors

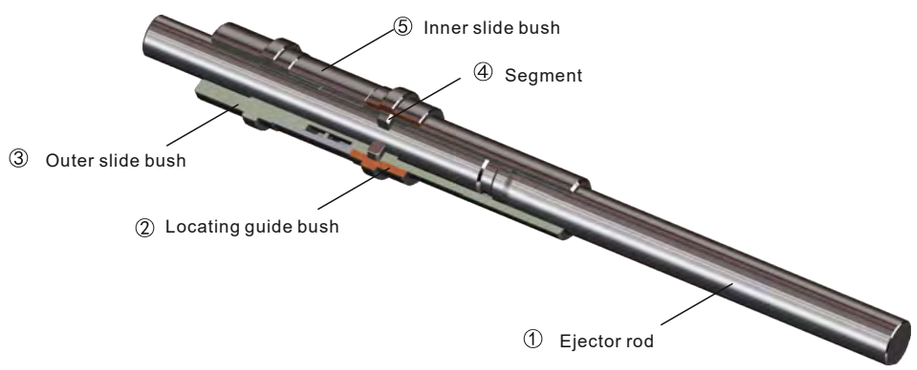
KDDX



Features:
1.This type two-stage ejector structure is simple, easy for mount and need only small space for installation.
2.ome important parts are made of SKD11 and by high quality heat treatment process to make it to be more resistant.
3.The surface with coating treatment, higher wear resistance creates longer lifespan.

Code	A	B	D	G	K	L	L1	L2	L3	L4	L5	N	H1	H2	M	
KDDX-142622	14	26	30	16	7.2	243	22	34	125	20	4	21	42	48	M6	
KDDX-163027	16	30	34	18	8	314	27	44	152	23	6	24	54	80	M8	

Product space chart:



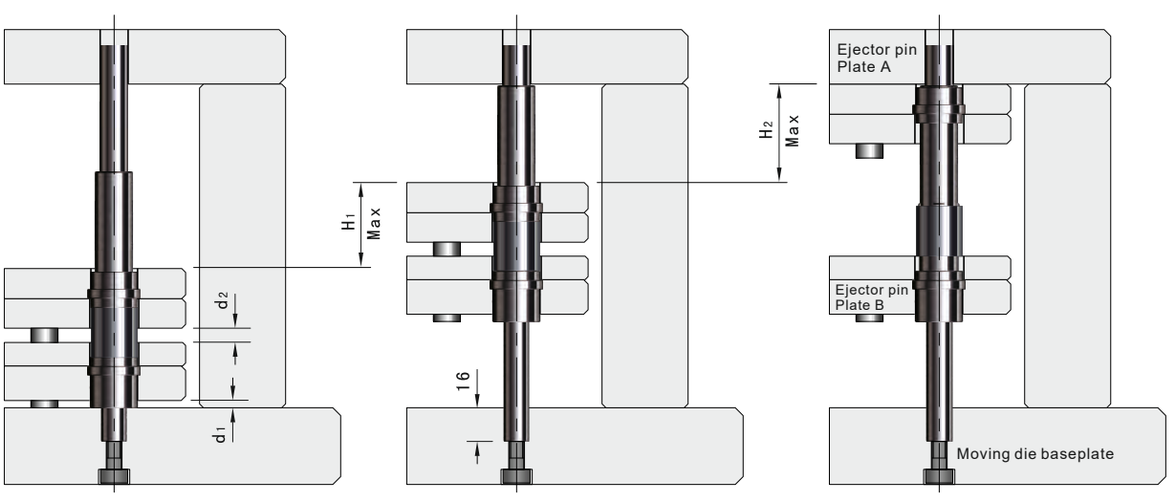
DIN

Two-stage ejectors

Installation Guidelines:

- Calculate the travel strokes accurately and cut the needed length from the both sides of ejector rod.
- Mount the locating guide bush onto A ejector plate, outer slide bush onto B ejector plate.
- Screw the ejector rod onto champing plate by hexagonal socket head cap screw.
- The travel strokes could not be adjusted after installation.
- All movable parts must be kept clean and lubricated smoothly periodically;
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- Recommend 4 sets two-stage ejectors be mounted in one mold, and must be mounted symmetrically and with same strokes, otherwise the product would be easy to damage.
- All mounting holes must be homocentric and perpendicular to parting surface.

Functional chart:



Mold closed

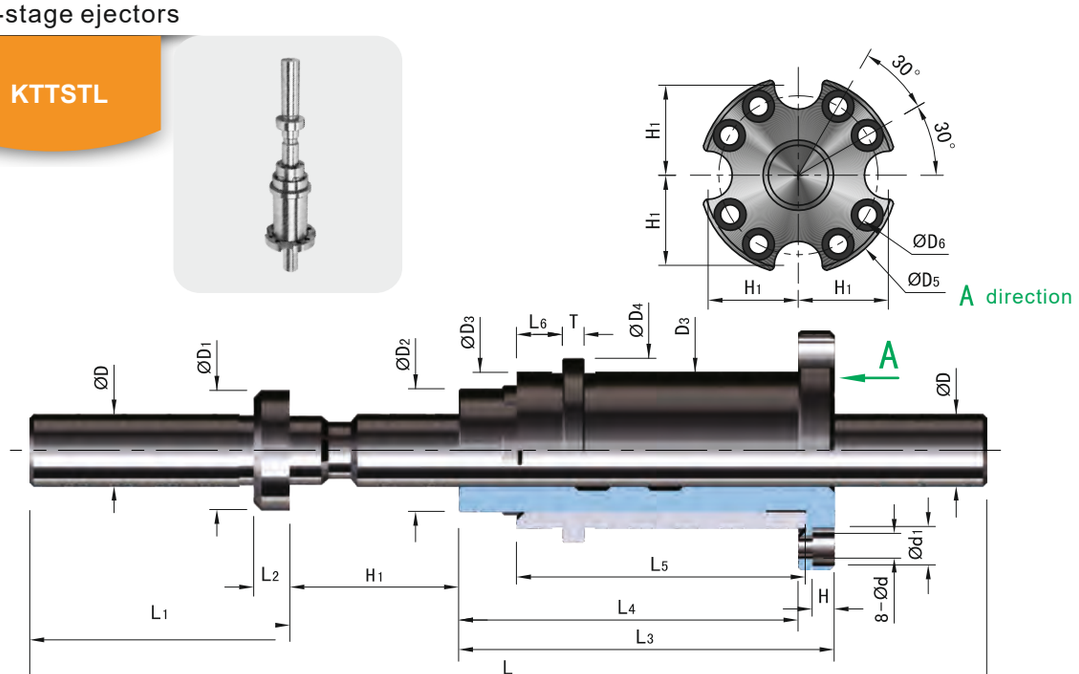
1st travel stroke H1

2nd travel stroke H2

DIN

Two-stage ejectors

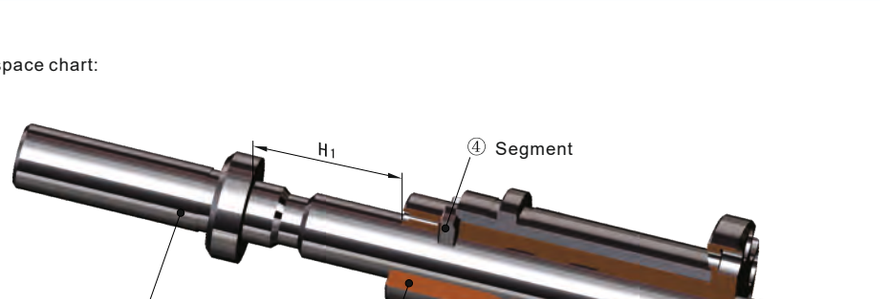
KTTSTL



D	D1	D2	D3	D4	D5	D6	T	d	d1	H	H1
20 0/-0.01	33	34	43 0/-0.03	50.8	66 0/-0.03	53	6 0/-0.01	6.4	10.6	6.1	30
0.787 0/-0.004	1.3	1.34	1.693 0/-0.001	2	2.598 0/-0.001	2.09	0.236 0/-0.004	0.25	0.42	0.24	1.18
26 0/-0.01	42	44	54 0/-0.03	63	84 0/-0.03	67	8 0/-0.01	8.7	13.8	8.2	37
1.024 0/-0.004	1.65	1.69	2.126 0/-0.001	2.48	3.307 0/-0.001	2.64	0.315 0/-0.004	0.34	0.54	0.32	1.46
32 0/-0.01	53	54	68 0/-0.03	78	105 0/-0.03	85	10 0/-0.01	10.8	16.8	10.2	47
1.26 0/-0.004	2.09	2.13	2.677 0/-0.001	3.07	4.134 0/-0.001	3.35	0.394 0/-0.004	0.43	0.66	0.4	1.85

Code	L	L1	L2	L3	L4	L5	L6	Center Rod Dia	Component Item Number	单位	
KTTSTL-20A	265	72	10	104	94	79.96	12.7	20mm (Small)	TTSTL-20CR	mm	
	10.43	2.83	0.39	4.09	3.7	3.148	0.5			in	
KTTSTL-26A	290	76	12	43	103	85.32	12.7	26mm (Medium)	TTSTL-26CR	mm	
	11.42	2.99	0.47	1.69	40.6	3.359	0.5			in	
KTTSTL-32A	320	82	15	54	113.4	93.68	15.88	32mm (Large)	TTSTL-32CR	mm	
	12.6	3.23	0.59	2.13	4.46	3.688	0.625			in	

Product space chart:



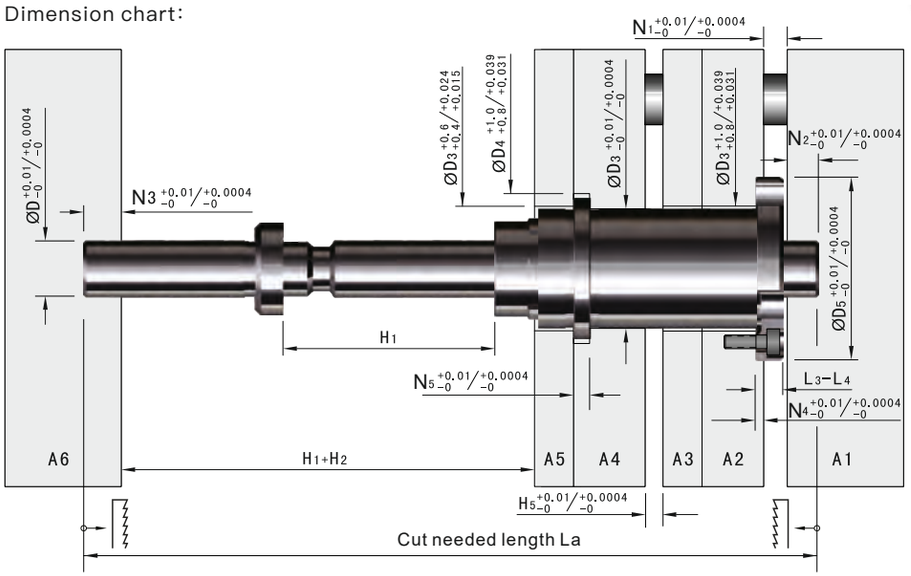
KONEK PSN

DIN

Two-stage ejectors

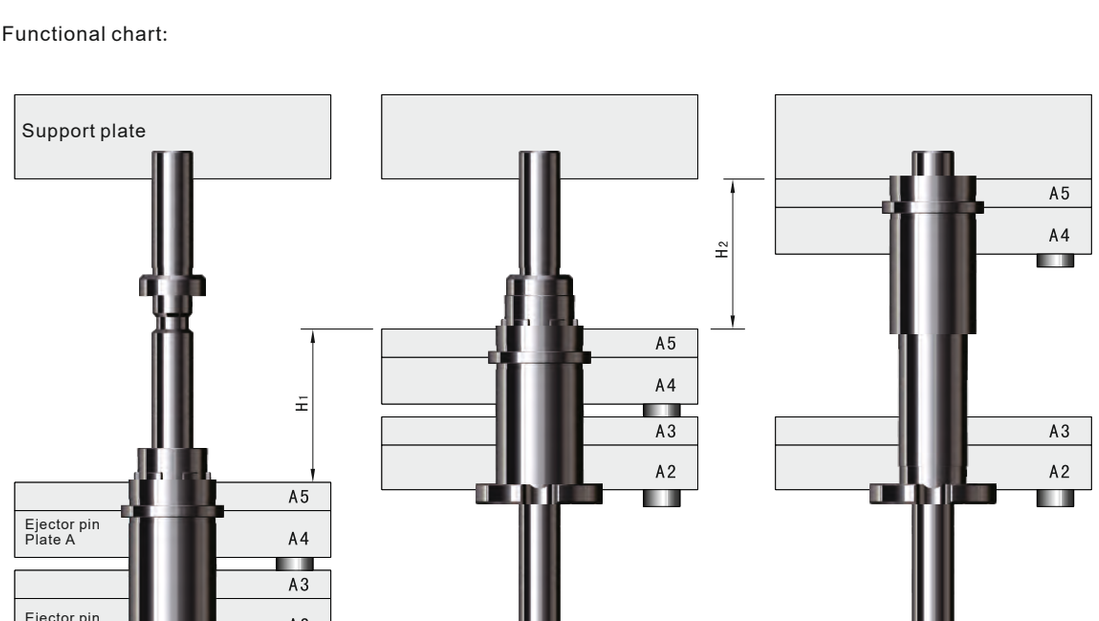
KTTSTL

Dimension chart:



A2	A3	A4	A5	N1	N2	N3	N4	N5	H1		H2		
									min.	max.	min.	max.	
25.4	12.7	25.4	12.7	8	8	8	3	4.76	4	79	4	79	mn
1	0.5	1	0.5	0.315	0.315	0.315	0.118	0.118	0.16	3.11	0.16	3.11	in
28.58	12.7	28.58	12.7	10	10	10	4	4.76	6	84	6	84	mn
1.125	0.5	1.125	0.5	0.394	0.394	0.394	0.157	0.118	0.24	3.31	0.24	3.31	in
28.58	15.88	28.58	15.88	15	12	12	4	4.76	8	92	8	92	mn
1.125	0.625	1.125	0.625	0.591	0.472	0.472	0.157	0.188	0.31	3.62	0.31	3.62	in

Functional chart:



DIN

Two-stage ejectors

Features:
1.With mechanical bolt, easy to set up and install.
2.Internal installation avoids interferences with water line connectors and external mounted components.
3.The surface with coating treatment, higher wear resistance creates longer lifespan.

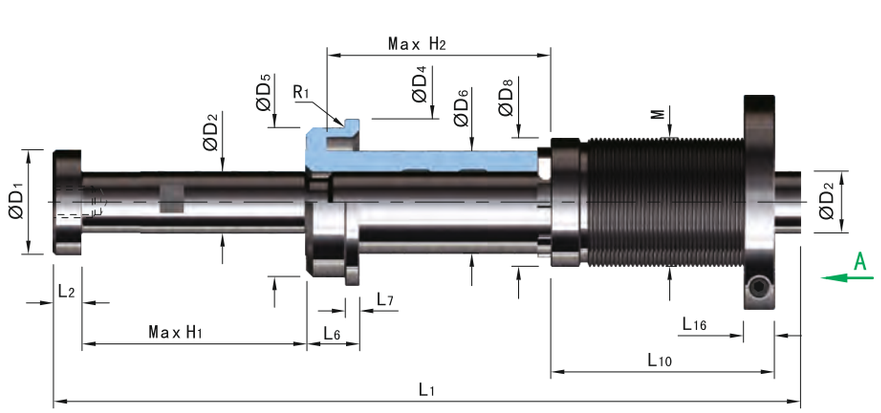
Installation Guidelines:
- Calculate the travel strokes accurately and cut the needed length from the both sides of ejector rod.
- Process the mounting holes as per dimension chart, and the holes should be homocentric and be perpendicular to parting surface.
- Dismount the outer slide bush ③ and ejector rod ①, and then mount the slide bush ③ onto A ejector plate, screw the ejector sleeve ② onto ejector B plate.
- Remount the outer slide bush ③ to ejector sleeve ②, inset ejector sleeve ② into and mount them them between wearing plate and champing plate.
- Do not adjust the travel strokes after installation.
- All movable parts must be kept clean and lubricated smoothly periodically.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- A minimum 2 sets Two-stage ejector must to be mounted symmetrically in mold. Otherwise, the parts would be broken caused by the unbalanced force of two sides.
- 2-stage ejector must not be exposed to temperatures that exceed 120°C at any time.
- The two-stage ejector is precise parts, please do not apply together with any self-regulating parts. Wmould will not be responsible for any anomaly caused by it.
- Select 20mmØ (small)、26mmØ (medium) or 30mmØ (large) two-stage ejector based on the width of the mold base.

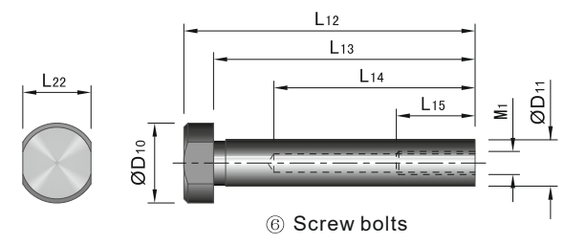
KONEK PSN

DIN

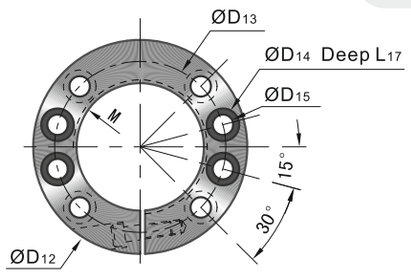
Two-stage ejectors

KTTSBL





⑥ Screw bolts



A direction

Features:

1.It is mounted into the mold to avoid to collide with the outside parts of mold.

2.The surface with coating treatment, higher wear resistance creates longer lifespan.

Material:SUJ2/SKD61 Har :58-62HRC/50-54HRC

D1	D2	D4	D5	D6	D8	D10	D11	D12	D13
34 0/-0.01	20 0/-0.01	58.2 0/-0.03	50.8 0/-0.02	34	43 0/-0.03	29	18	72	72
1.339 0/-0.004	0.787 0/-0.004	2.291 0/-0.001	2 0/-0.008	1.339	1.693 0/-0.001	1.14	0.71	2.83	2.83
44 0/-0.01	26 0/-0.01	70 0/-0.03	62.6 0/-0.02	43	54 0/-0.03	34	21	90	90
1.732 0/-0.004	1.024 0/-0.004	2.756 0/-0.001	2.46 0/-0.008	1.693	2.126 0/-0.001	1.34	0.83	3.54	3.54
58 0/-0.01	32 0/-0.01	87 0/-0.03	78 0/-0.02	54	68 0/-0.03	43	26	112	112
2.283 0/-0.004	1.26 0/-0.004	3.425 0/-0.001	3.07 0/-0.008	2.126	2.677 0/-0.001	1.69	1.02	4.41	4.41

D14	D15	L1	L2	L6	L7	L10	L12	L13	L14
10.5	6.4	280	10 +0.02/0	22.7	6 0/-0.01	86	136	125	107
0.41	0.25	11.2	0.394 +0.001/0	0.894	0.236 0/-0.0004	3.39	5.35	4.92	4.21
13.8	8.6	314	12 +0.02/0	22.7	6 0/-0.01	94	153	139	120
0.54	0.34	12.36	0.472 +0.001/0	0.894	0.236 0/-0.0004	3.7	6.02	5.47	4.72
16.8	10.8	354	14 +0.02/0	28.88	7 0/-0.01	105	171	154	138
0.66	0.43	13.94	0.551 +0.001/0	1.137	0.276 0/-0.0004	4.13	6.73	6.06	5.43

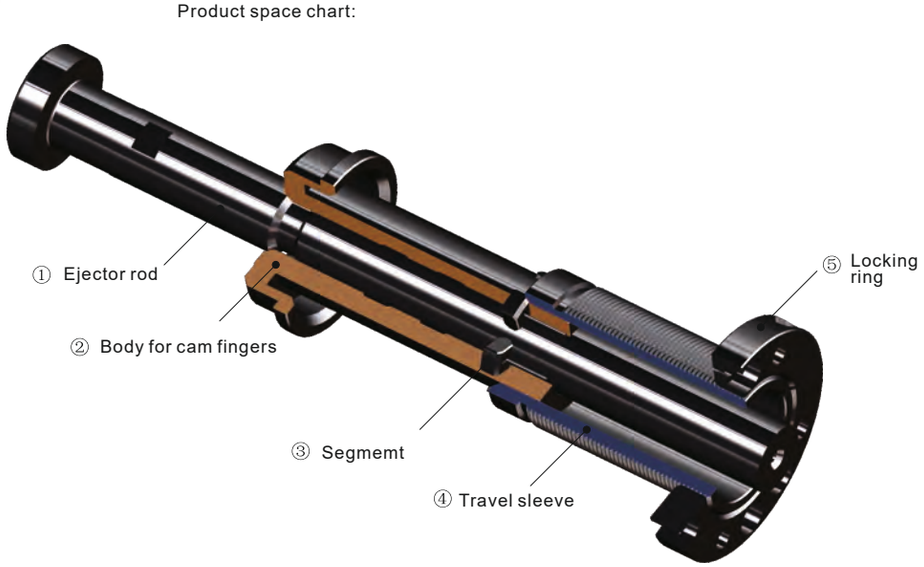
Code	L15	L16	L17	L22	R1	M	M1		
KTTSBL-20A	30	10	6	26	R0.4	M43.2×1.25	M10	mm	
	1.18	0.39	0.24	1.02	R0.02			in	
KTTSBL-26A	40	13	8.1	30	R0.4	M54.2×1.25	M12	mm	
	1.57	0.51	0.32	1.18	R0.02			in	
KTTSBL-32A	50	16	10.1	36	R0.4	M68.25×1.25	M16	mm	
	1.97	0.63	0.4	1.42	R0.02			in	

DIN

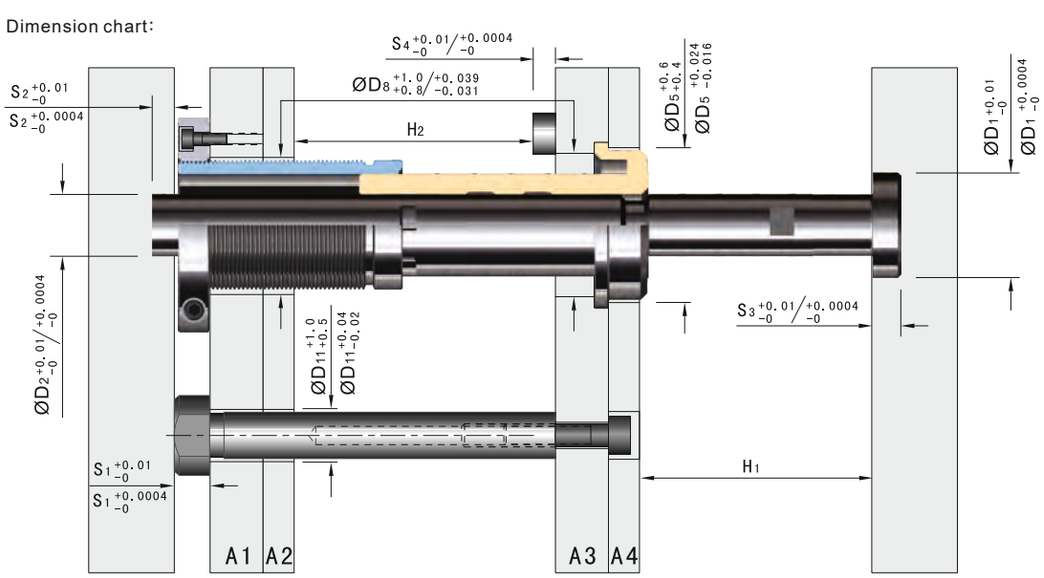
Two-stage ejectors

KTTSBL

Product space chart:



Dimension chart:



A1	A2	A3	A4	S1	S2	S3	S4	S5	Center Rod Length	Travel Sleeve Length	H1		H2		T4	
											min.	max.	min.	max.		
25.4	12.7	25.4	12.7	11	8	10	4.76	4	277.96	86	8	82	12	82	M 6	mm
1	0.5	1	0.5	0.433	0.315	0.394	1.86	0.157	10.943	3.386	0.32	3.32	0.47	3.32		in
28.58	12.7	28.58	12.7	14	10	12	4.76	4	311.32	94	10	92	18	92	M 8	mm
1.125	0.5	1.125	0.5	0.551	0.394	0.472	1.86	0.157	12.257	3.701	0.39	3.62	0.71	3.62		in
28.58	15.88	28.58	15.88	17	12	14	6.29	6	352.21	105	12	102	24	102	M10	mm
1.125	0.625	1.125	0.625	0.669	0.472	0.551	0.248	0.238	13.867	4.134	0.47	4.02	0.94	4.02		in

DIN

Two-stage ejectors

Installation Guidelines:

- Firstly process through holes into A ejector plate, process srew holes into B ejector plate and champing plate (screw holes dimension refer to the ones need matched with D2, D3). Customer can also make flange to lock parts.
- Process one mounting hole in the top of the ejector rod, this mounting hole need match with the through hole into B plate.
- Mount the champing sleeve ② directly on the bottom of champing plate, screw the sliding bushing ① into B ejector plate and the head of the ejector bolt ④ into A ejector plate.
- Adjust the position of champing sleeve ② and the champing plat (flange) to preset the travel stroke H1, and then fix the slotted nut ⑤.
- In order to connect with the central ejector bolt of the injection mold, it is available to thread the internal thread at the end of the ejector bolt. Different threads for different Two-stage ejectors.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- The nut ⑥ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

Functional chart:

Mold closed

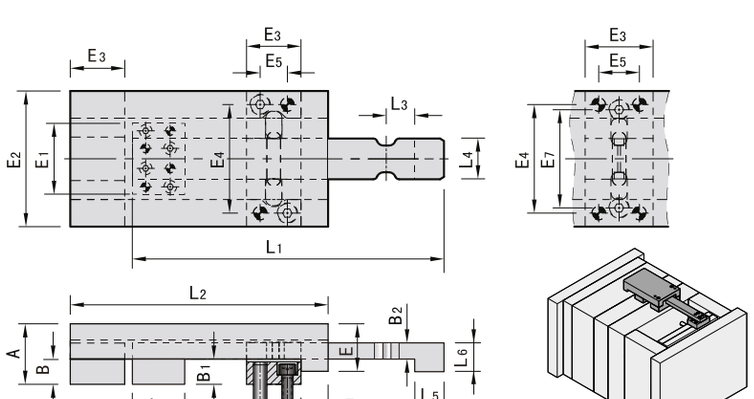
1st travel stroke H1

2nd travel stroke H2

DIN

Two-stage ejectors

KZZ4

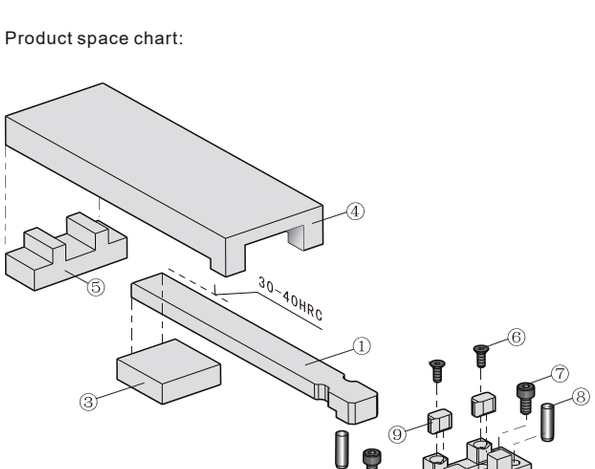


Features:
1.Different install methods, different function. This KZZ4 series latch locks with wide applicability which can be used as two-satge ejector, latch lock.

E2	A	B	B1	B2	E	E1	E3	E4	E5	E6	E7
50	22.3	9.3	9.2	6.8	17.5	30	20	40	10	10	-
75	30.3	12.3	12.2	8.8	23.5	45	30	65	20	15	56
90	37.5	15.5	15.3	11.8	29	60	36	74	25		74

Code	L1	L2	L3	L4	L5	L6	L7	Dowel pin	Mounting screws	
KZZ4- 1-1-0	146	146	10	15	10	9.6	30	Ø5×16	M4×12	
KZZ4-15-1-0	196	196	15	20	12	12	45		M8×16	
KZZ4- 2-1-0	246	246	18	25	15	15	60	Ø6×20	M8×20	

Product space chart:



Pos	Name	Material	Hardness
1	Latch bar	Cr12MoV	55-58HRC
3	Spacer	S45C	-
4	Housing	718H	≈900HV
5	Spacer	S45C	-
9	Catch	SKD11	58-62HRC
10	Catch housing	718H	28-38HRC

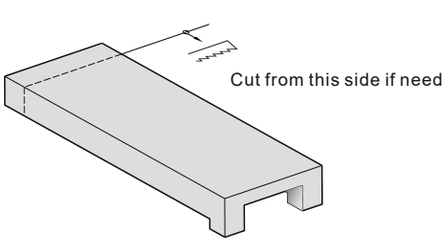
DIN

Two-stage ejectors

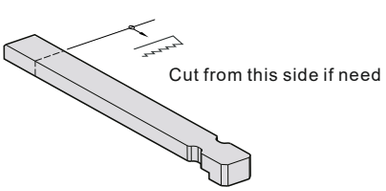
Installation Guidelines:

- Install the Latch housing ⑩ and should be parallel to parting surface.
- Install Reverse latch bar ① after cutting needed length and processing screw holes. Process dowel pin holes after locking screws and in mold closed situation.
- Mount the Latch housing ⑩ and Reverse latch bar ① symmetrically in mold， and then calculate the Control plate ④ length according to the travel stroke. Process the dowel pin holes of Control plate ④ after other parts installation.
- A minimum 2 sets latch lock must to be mounted symmetrically in mold. Otherwise, the parts would be broken caused by the unbalanced force of two sides.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable.
- If need to maintain, please remove the latch lock firstly.

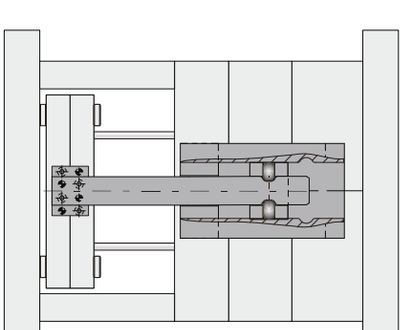
Control plate ④ cutting:

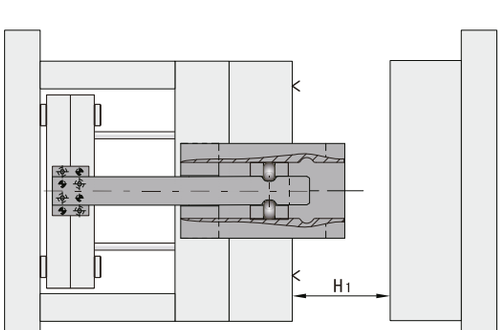


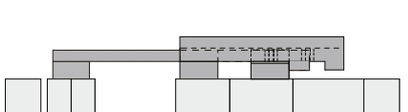
Reverse latch bar ①:



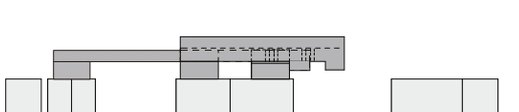
Functional chart:(Install method 1)







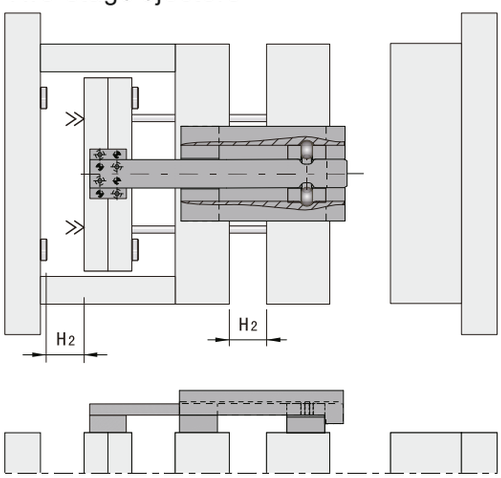
Mold closed



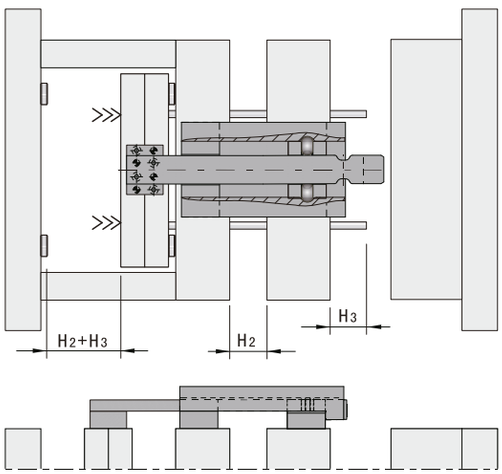
Mold opened

DIN

Two-stage ejectors

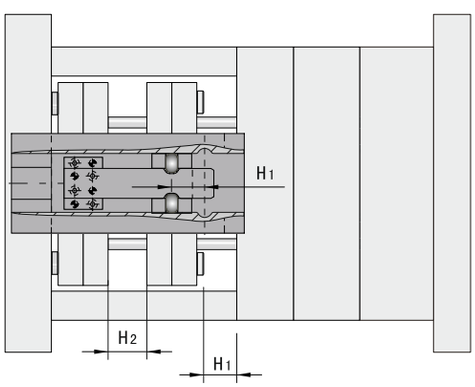


1st travel stroke

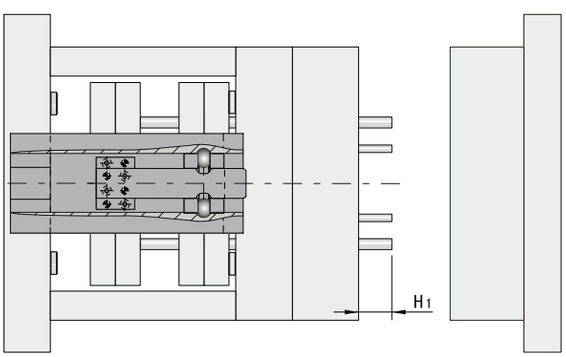


2nd travel stroke

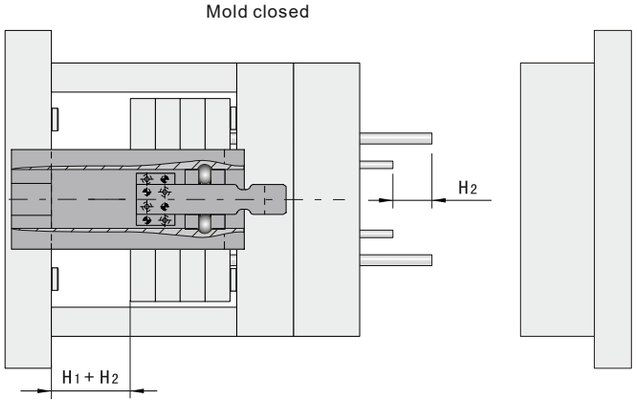
Functional chart:(Install method 2)



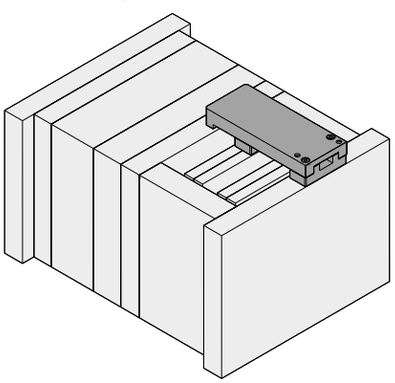
Mold closed



1st travel stroke H1



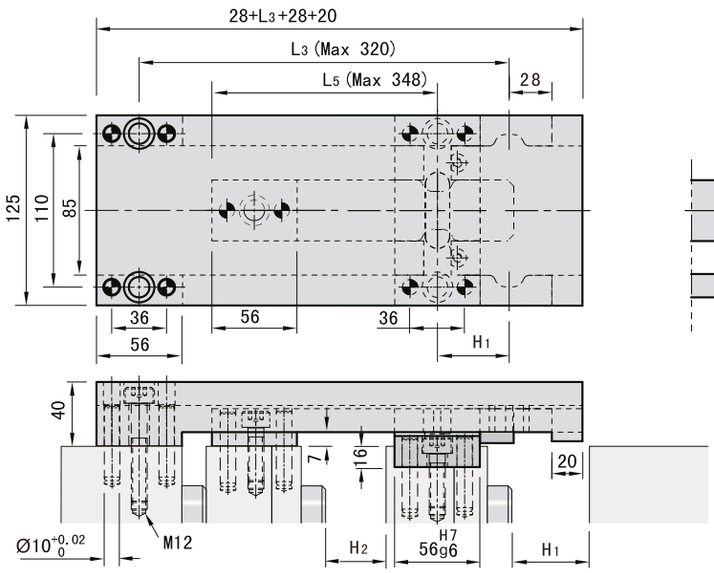
2nd travel stroke H2

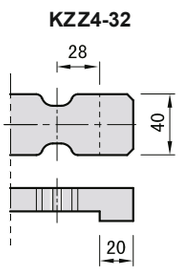


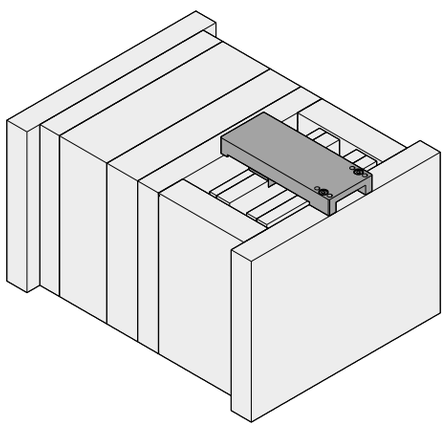
DIN

Two-stage ejectors

KZZ4

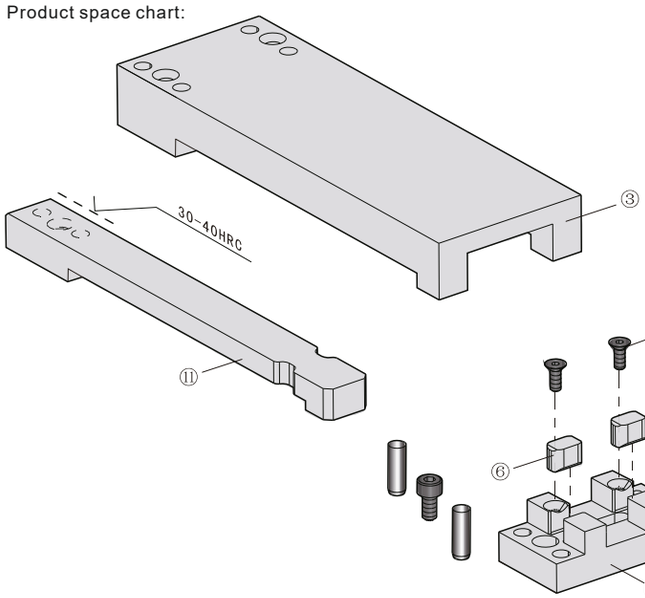


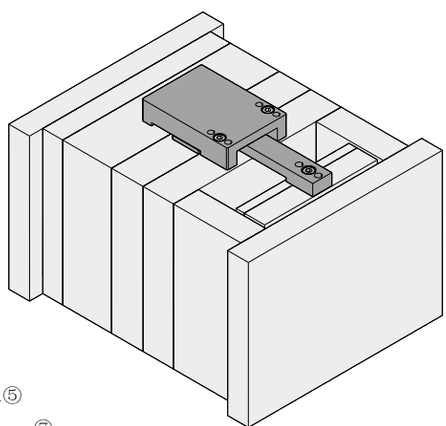




Pos	Name	Material	Hardness
3	Housing	718H	≈900HV
6	Catch	SKD11	58-62HRC
8	Catch housing	718H	28-38HRC
11	Latch bar	Cr12MoV	55-58HRC

Product space chart:

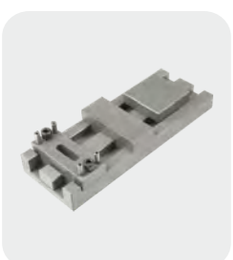


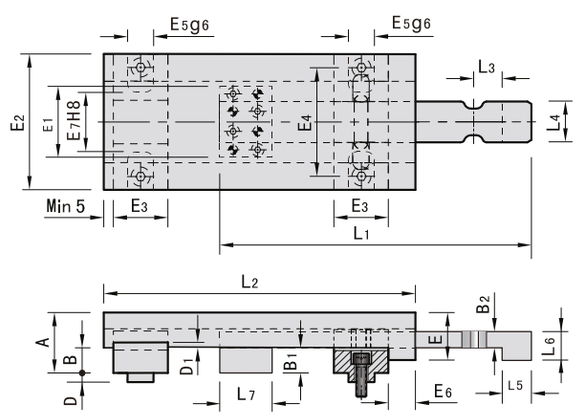


DIN

Two-stage ejectors

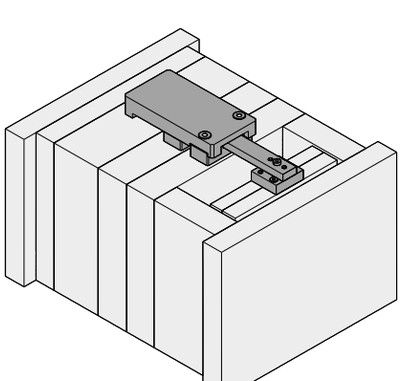
KZZ4

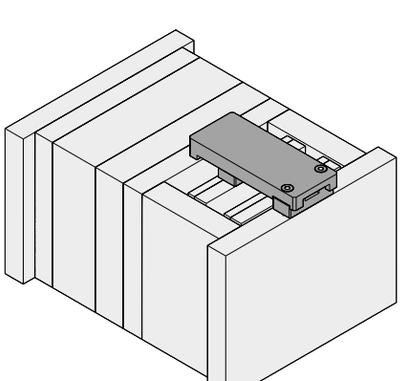




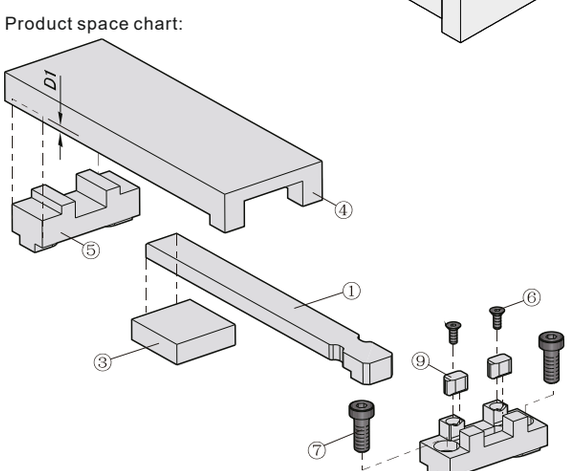
E2	A	B	B1	B2	E	E1	E3	E4	E5	E6	E7
50	22.3	9.3	9.2	6.8	17.5	30	20	38	10	10	22
75	30.3	12.3	12.2	8.8	23.5	45	30	56	12	15	30
90	37.5	15.5	15.3	11.8	29	60	36	72	14		38

Code	L1	L2	L3	L4	L5	L6	L7	D	D1	Mounting screws	
KZ Z4-11-1-0	146	146	10	15	10	9.6	30	4	3	M 6×20	
KZ Z4-16-1-0	196	196	15	20	12	12	45	5	4.5	M 8×25	
KZ Z4-21-1-0	246	246	18	25	15	15	60	6	6	M10×30	





Product space chart:



The Countersunk screw⑥has no practical function, just to protect or remind the catch⑨.

Pos	Name	Material	Hardness
3	Latch bar	Cr12MoV	55-58HRC
6	Spacer	S45C	-
8	Housing	718H	≈900HV
11	Spacer	S45C	-
8	Catch	SKD11	58-62HRC
11	Catch housing	718H	28-38HRC

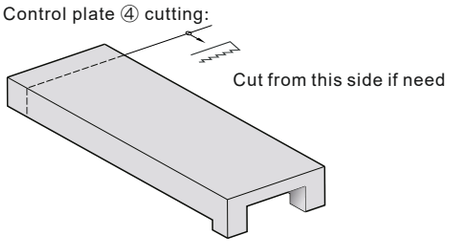
DIN

Two-stage ejectors

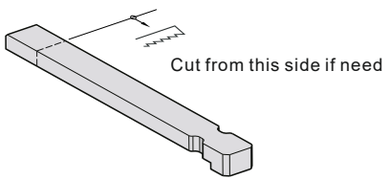
Installation Guidelines:

- Install the Latch housing and should be parallel to parting surface. Install Reverse latch bar after cutting needed length and processing screw holes. Process dowel pin holes after locking screws and in mold closed situation.
- Mount the Latch housing and Reverse latch bar symmetrically in mold, and then calculate the Control plate ④ length according to the travel stroke. Process the dowel pin holes of Control plate after other parts installation.
- A minimum 2 sets latch lock must to be mounted symmetrically in mold. Otherwise, the parts would be broken caused by the unbalanced force of two sides.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable.
- If need to maintain, please remove the latch lock firstly.

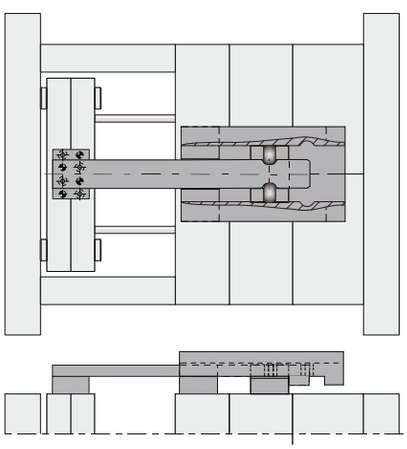
Control plate ④ cutting:



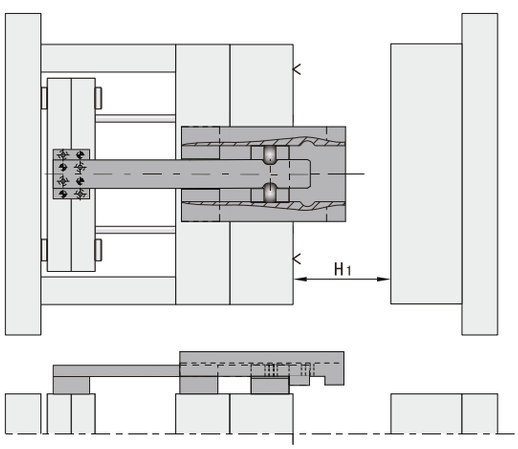
Reverse latch bar ①:



Functional chart:(Install method 1)



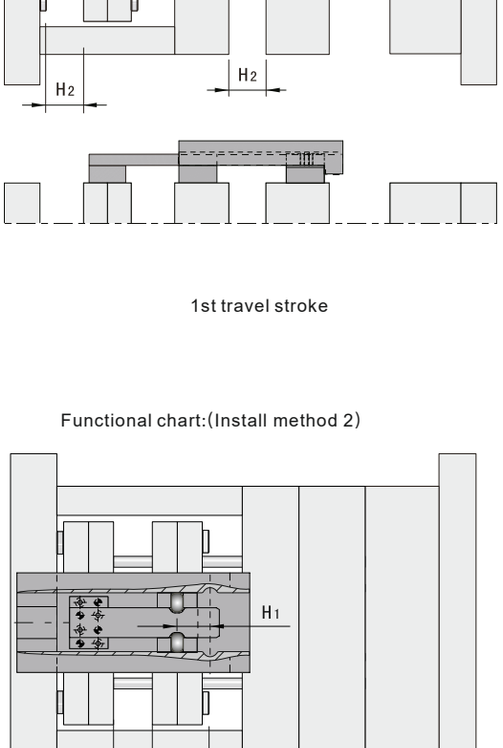
Mold closed



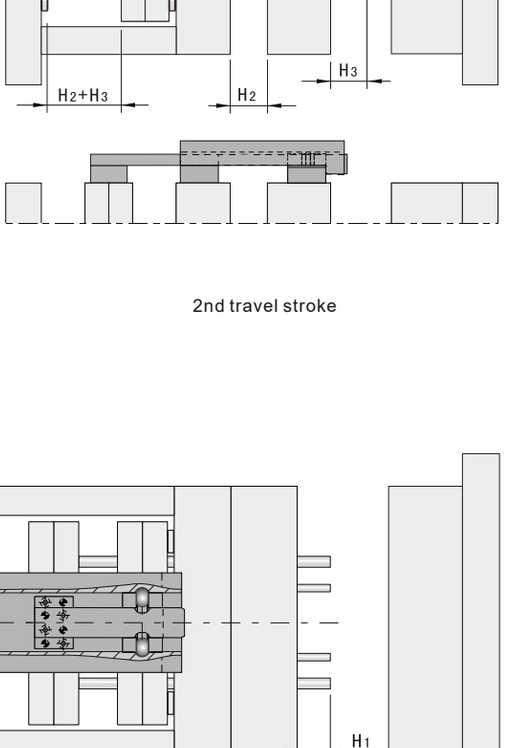
Mold opened

DIN

Two-stage ejectors



1st travel stroke



2nd travel stroke

Functional chart:(Install method 2)

Mold closed

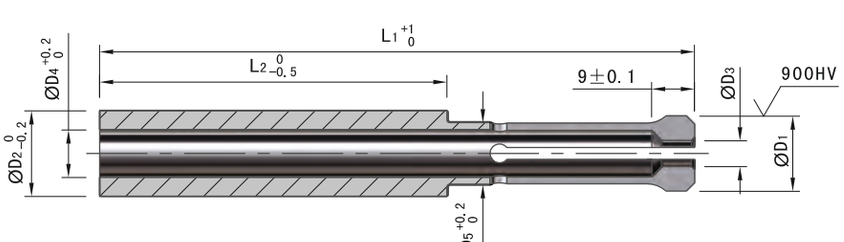
1st travel stroke H1

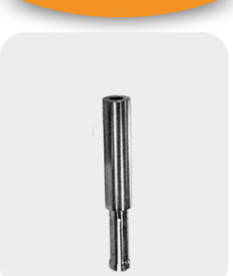
2nd travel stroke H2

DIN

Round latch locks

KZZ163

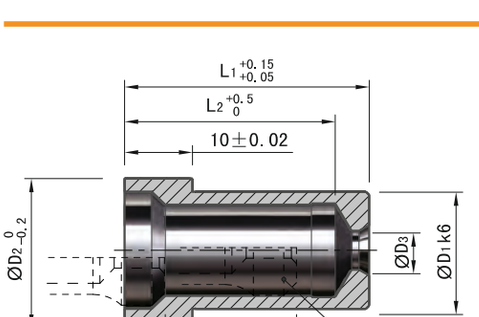


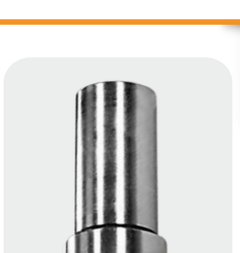


Material:**SKD61** Har :48-52HRC

Code	D1	D2	D3	D4	D5	L1	L2	L3	max.F(N)
KZZ163- 6-125	16	18	6	10	13	125	73	20	12000
KZZ163-10-160	20	24	10	12.5	17	160	100	25	20000

KZZ164





Material:**SUJ2** Hard :58±2HRC

Code	D1	D2	D3	L1	L2	T	max.H
KZZ164- 6-36	18	22	6	36	31	6.7	24
KZZ164- 6-46				46	41		34
KZZ164- 6-56				56	51		44
KZZ164-10-36	24	29	10	36	30		23
KZZ164-10-46				46	40		33
KZZ164-10-56				56	50		43
KZZ164-10-76				76	70		63

Features:

1.This early return unit is used to early return the ejector plate before mold closing.

2.Be used as Early Return Units or Two−stage Ejector.

3.It is mounted into the mold to avoid to collide with the outside parts and cooling system of mold.

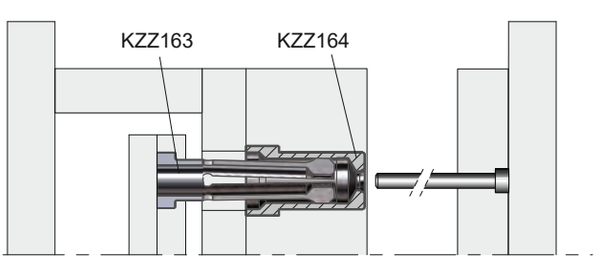
DIN

Round latch locks

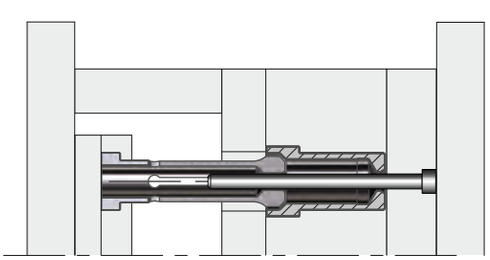
Installation Guidelines:

- Mount cam rod into the ejector plate, bushing into the B plate, push pin into the A plate.
- A minimum 2 sets Early ejector return assembly must to be mounted symmetrically in mold.
- If the early ejector return units were not mounted symmetrically, the uneven force will cause the parts damaged.
- Add the lubricating oil onto the joint area regularly.
- Make sure the early return units are mounted into the cam rod exactly, otherwise, it will cause the mold damaged.
- After the installation, carry out a functional test, check whether the individual parts work well, whether the stroke is applicable.

Functional chart(Used as Early Return Unit):

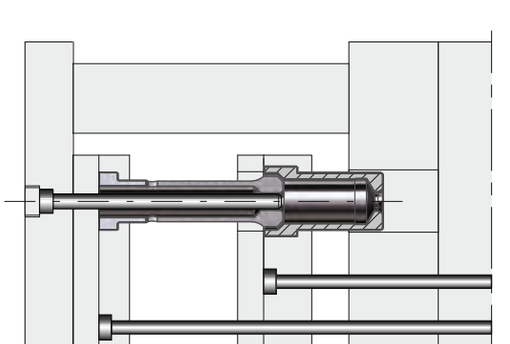


Mold opened

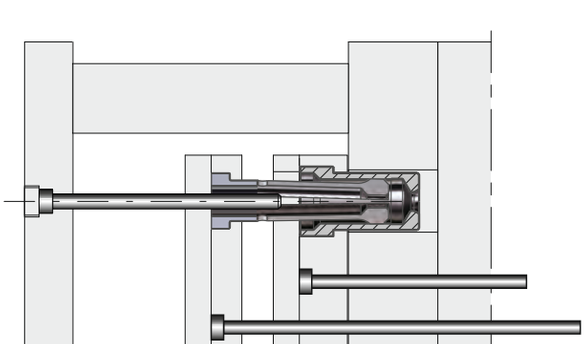


Mold closed

Functional chart(Used as Two–stage Ejector):



Mold closed



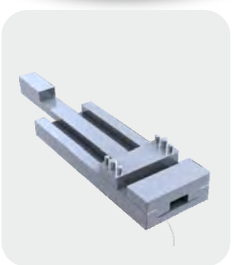
Mold opened

KONEK PSN

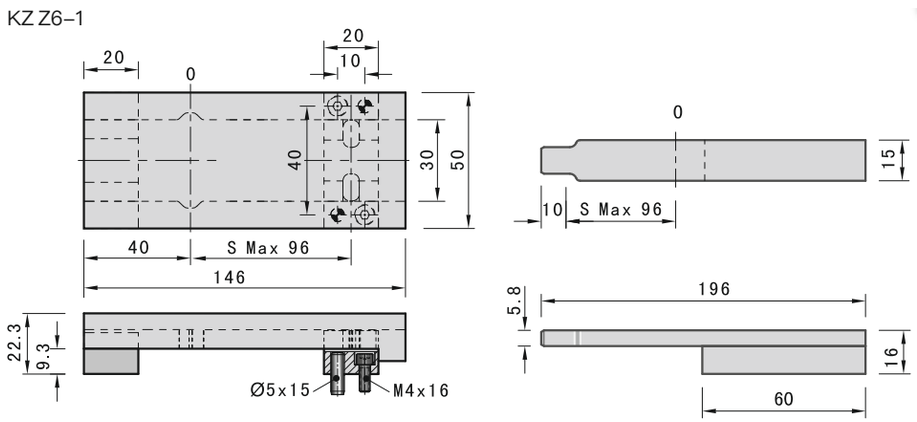
DIN

Push Locks

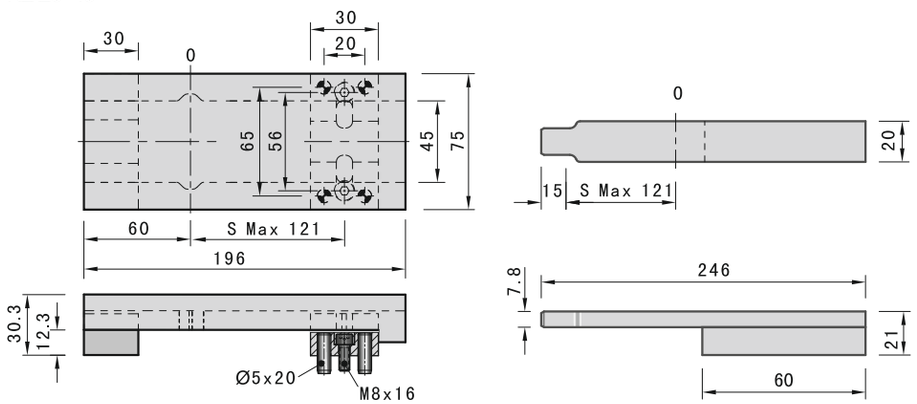
KZZ6



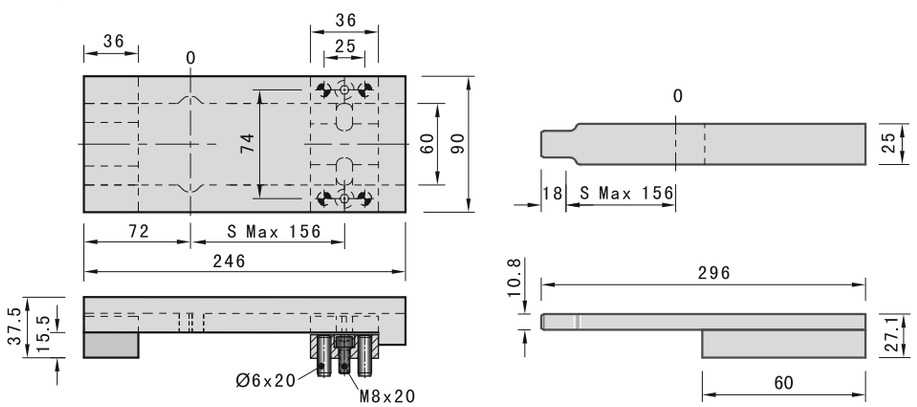
KZ Z6–1



KZ Z6–15



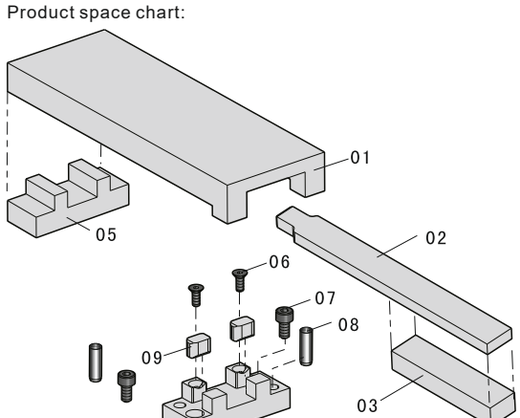
KZ Z6–2



DIN

Push Locks

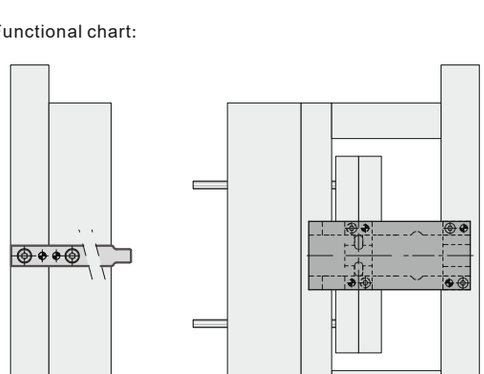
Product space chart:



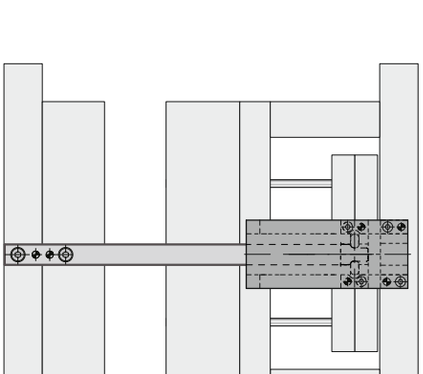
Installation Guidelines:

- This round latch lock is used to early return the ejector plate before mold closing to avoid mold damaged.
- A minimum 2 sets round latch locks must to be mounted symmetrically in mold.
- Make sure the stroke of latch locks are same, otherwise,the uneven force will cause mold damaged.
- S is the maximum stroke of ZZ6 in mold. The final stroke could be confirmed by adjusting the latch housing (04) in use.

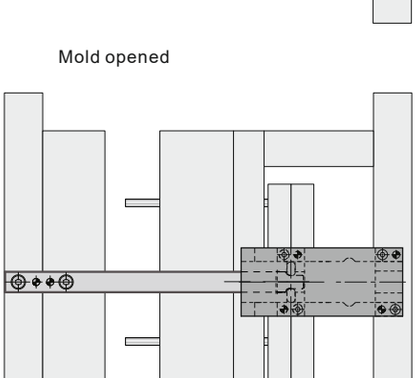
Functional chart:



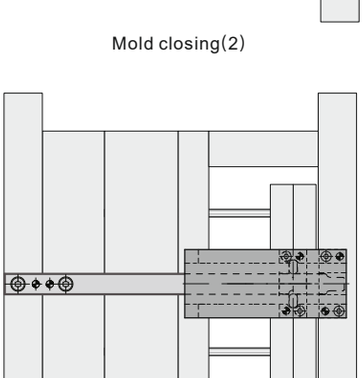
Mold opened



Mold closing(2)



Mold closing(1)



Mold closed

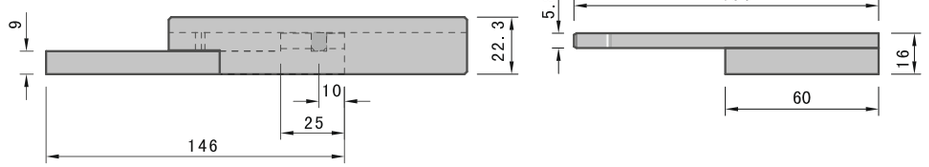
KONEK PSN

DIN

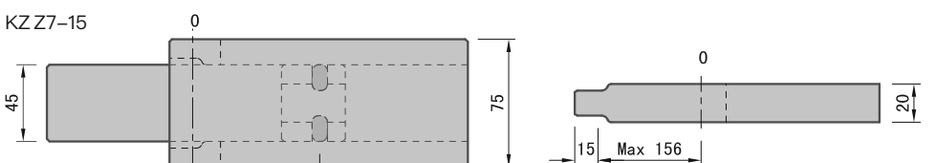
Push Locks

KZZ7

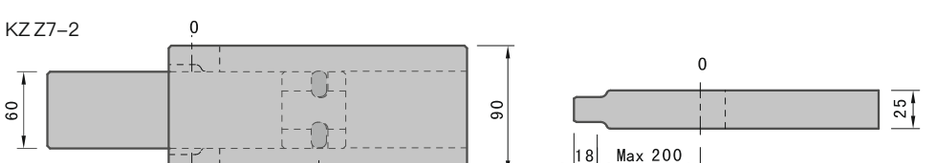
KZ Z7–1



KZ Z7–15



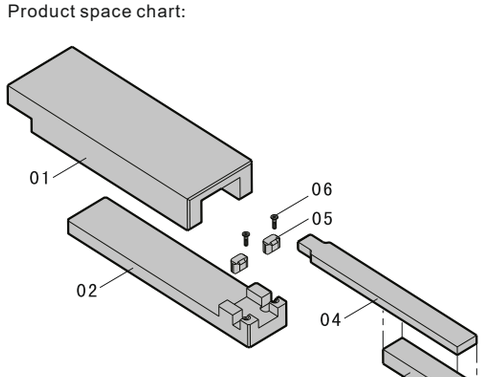
KZ Z7–2



DIN

Push Locks

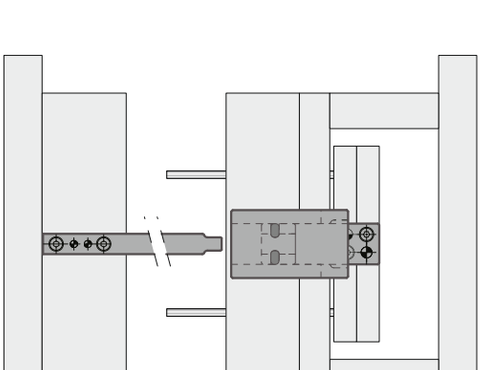
Product space chart:



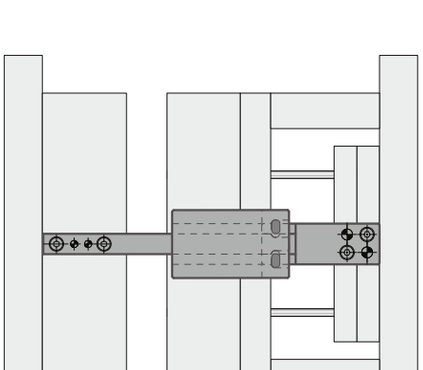
Installation Guidelines:

- This round latch lock is used to early return the ejector plate before mold closing to avoid mold damaged.
- A minimum 2 sets round latch locks must to be mounted symmetrically in mold.
- Make sure the stroke of latch locks are same, otherwise, the uneven force will cause mold damaged
- S is the maximum stroke of KZZ7 in mold.
- The screws (06) without function in mold operation.

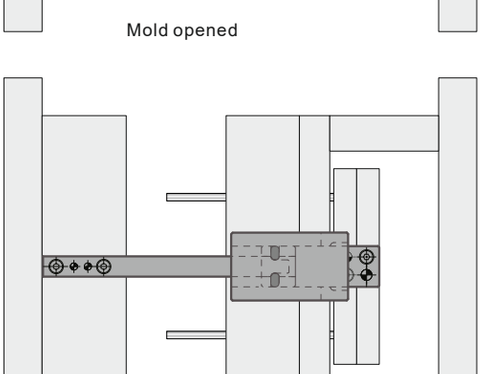
Functional chart:



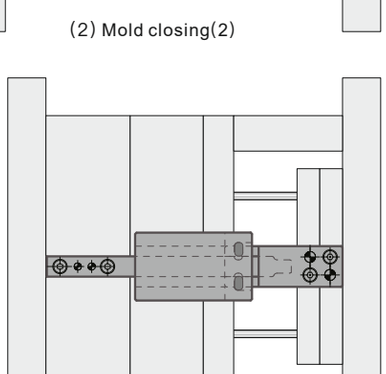
Mold opened



(2) Mold closing(2)



Mold closing(1)

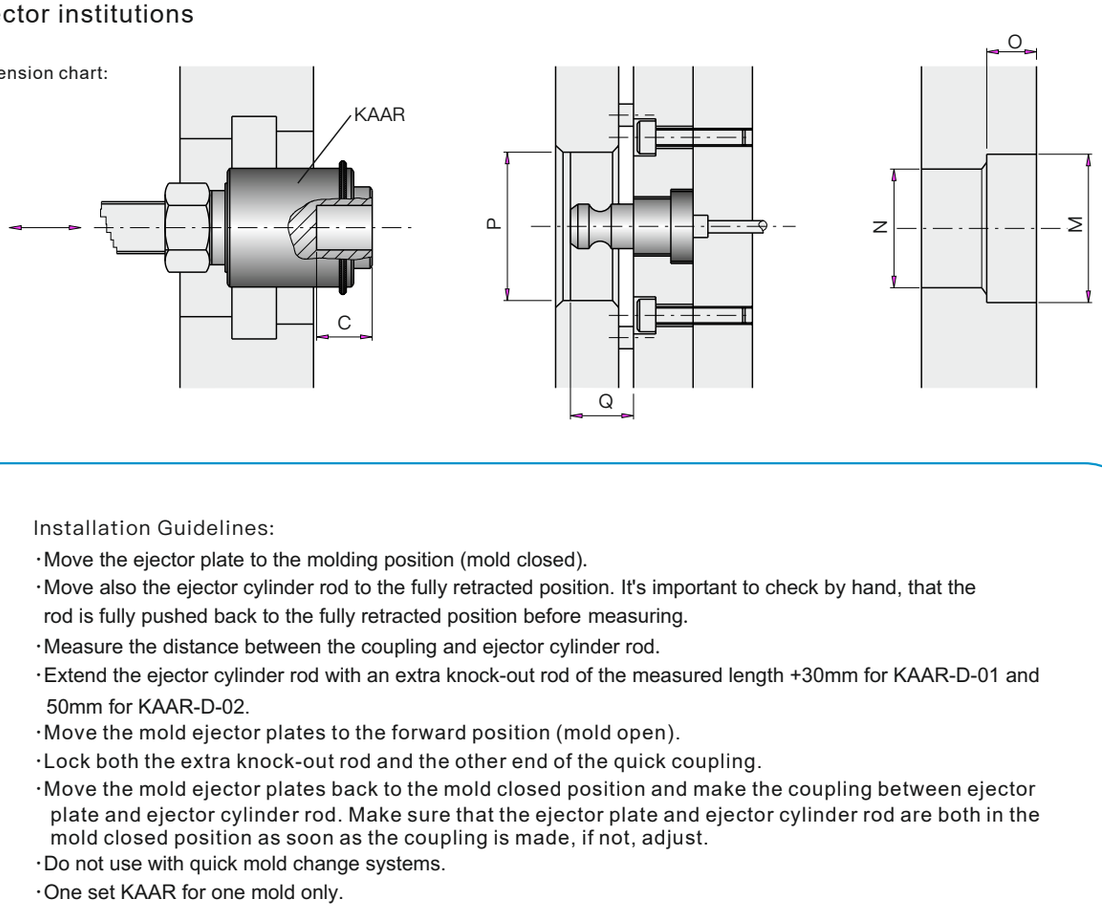


Mold closed

AISI

Ejector institutions

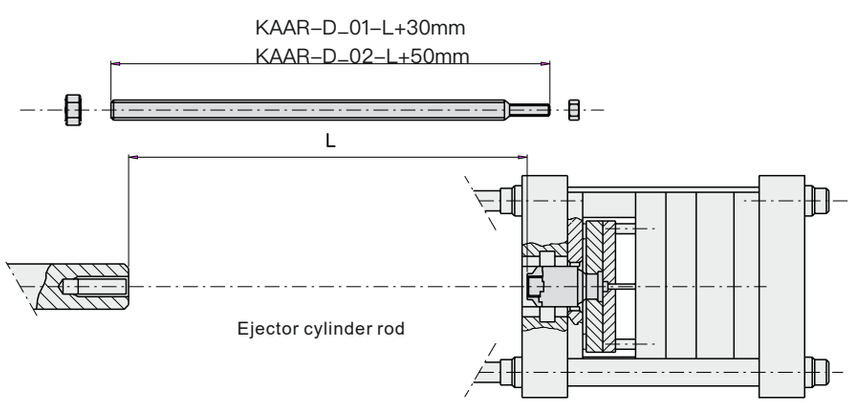
Dimension chart:



Installation Guidelines:

- Move the ejector plate to the molding position (mold closed).
- Move also the ejector cylinder rod to the fully retracted position. It's important to check by hand, that the rod is fully pushed back to the fully retracted position before measuring.
- Measure the distance between the coupling and ejector cylinder rod.
- Extend the ejector cylinder rod with an extra knock-out rod of the measured length +30mm for KAAR-D-01 and 50mm for KAAR-D-02.
- Move the mold ejector plates to the forward position (mold open).
- Lock both the extra knock-out rod and the other end of the quick coupling.
- Move the mold ejector plates back to the mold closed position and make the coupling between ejector plate and ejector cylinder rod. Make sure that the ejector plate and ejector cylinder rod are both in the mold closed position as soon as the coupling is made, if not, adjust.
- Do not use with quick mold change systems.
- One set KAAR for one mold only.

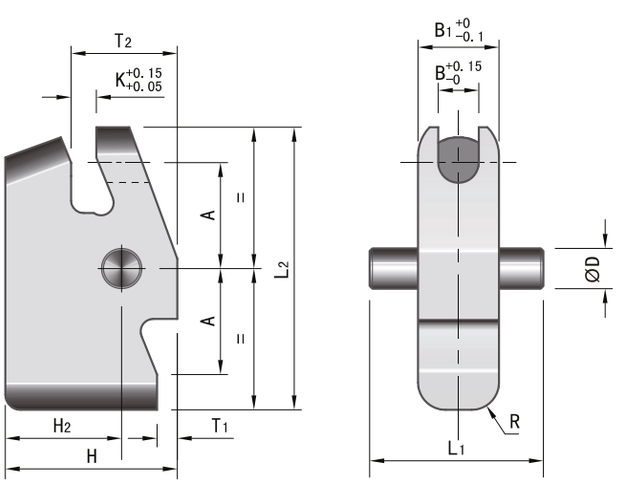
Installation Diagram:



DIN

Accelerated ejectors

KZZ141



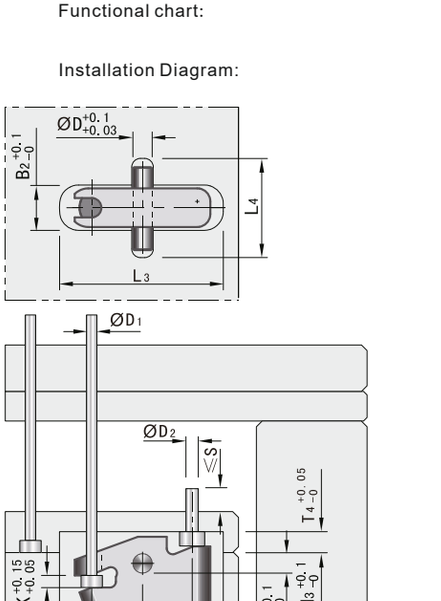
Material:Cr12MoV H :56±2HRC

Code	D	D2	B	B1	B2	B3	A	A1	T1	T2	T3	T4
KZZ141-3	4	4	3	8	8.5	4	10	20	2	10	4	4
KZZ141-6	8	8	6	16	16.5	8	21	42	4	21	8	8
KZZ141-8			8									

D1	L1	L2	L3	L4	H	H2	H3	K	R	S	
3	16	26	31	23	19	14	16	3	4	2.5	
6	36	56	63	45	34	23	27	5	8	7.6	
8											

Functional chart:

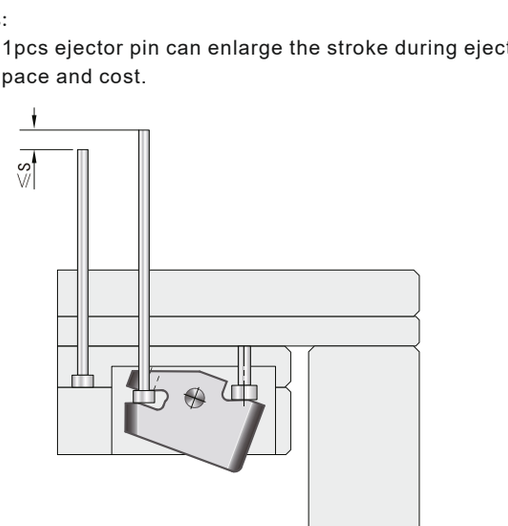
Installation Diagram:



Mold closed

Features:

1. Mount 1pcs ejector pin can enlarge the stroke during ejecting.
2. Save space and cost.

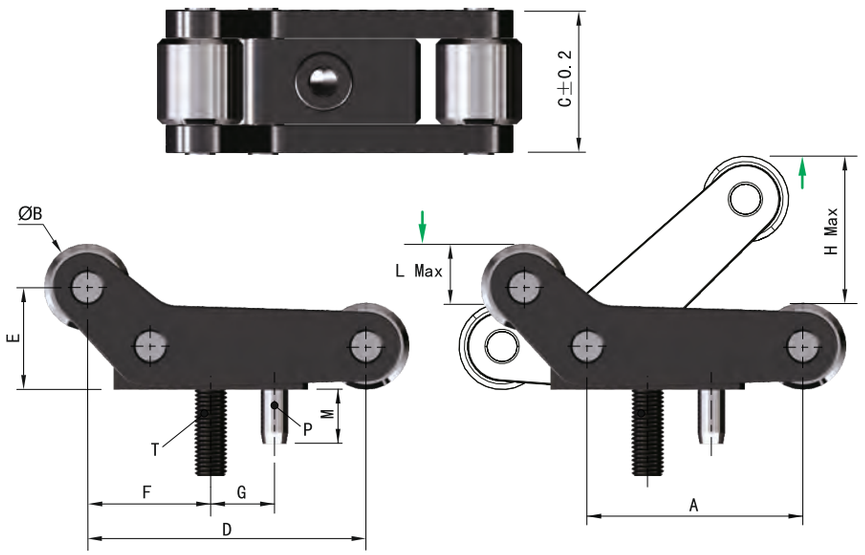


Mold opened

DIN

Accelerated ejectors

KEEP

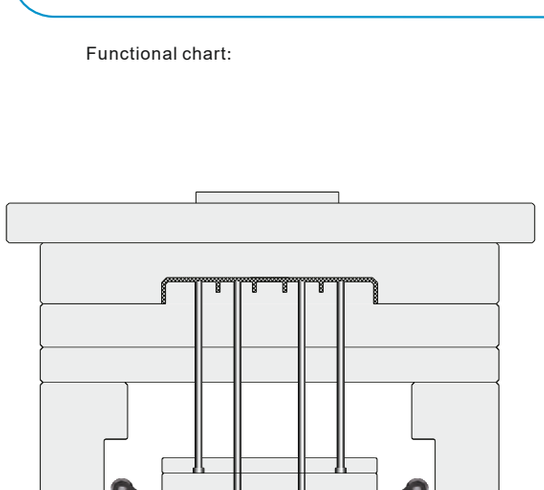


Code	A	B	C	D	E	F	G	H max.	L max.	M	N	P	T	(Kgf) max.force	
KEEP-20	20	8	13.2	25.8	9.4	11.4	6	13.6	5.5	5	15	Ø2.5×10	M3×12	M3×12	
KEEP-25	25	10	16	32.3	11.8	14.3	7	17	6.8	6	18.5	Ø 3×12	M4×16	M4×16	
KEEP-37	37.5	15	22	48.5	17.7	21.5	10.5	25.5	10.2	8	25	Ø 4×16	M6×25	M6×25	
KEEP-50	50	20	29.6	64.6	23.6	28.6	14	34	13.6	10	34	Ø 5×20	M8×30	M8×30	

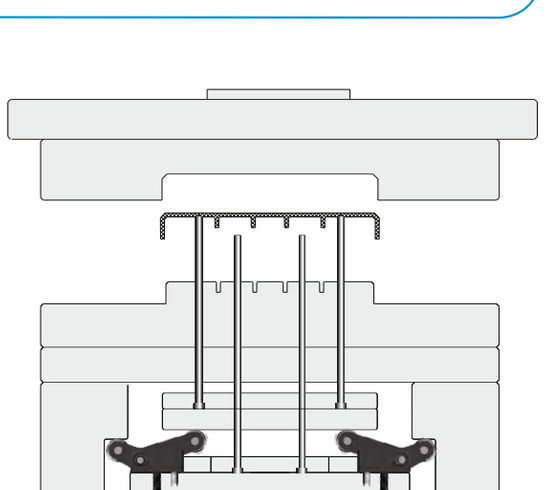
Features:
1. Simple mechanical,minimum space double ejection system.

Installation Guidelines:
·Mount the KEEP onto B plate so that can help increasing movement of A plate while ejecting.
·A minimum 2 units must be assembled symmetrically to ensure a balanced movement is achieved.

Functional chart:



Mold closed



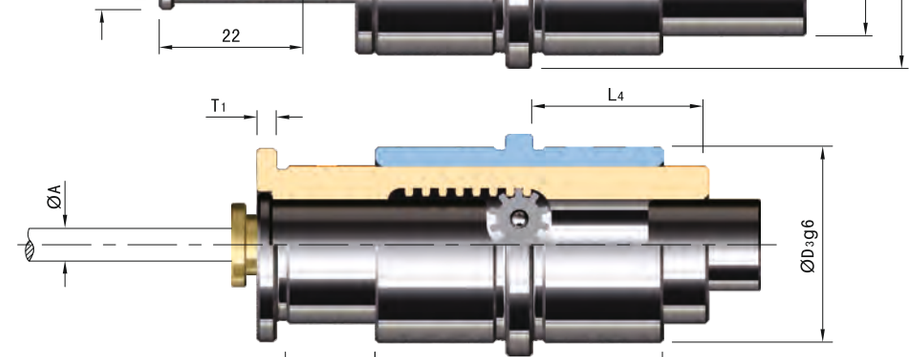
Mold opened

KONEK PSN

DIN

Accelerated ejectors

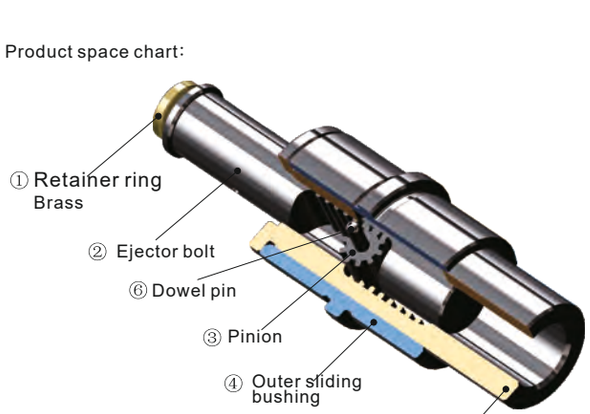
KAAE



Material:SKD61 Hardness:48-52HRC

Code	A	D	D1	D2	D3	L	L1	L2	L3	L4	L5	F	P	T	T1	
KAAE-031620	3	12.5	16	22	20	37	14	32	8	17	22	13	-	4	3	
KAAE-041620	4															
KAAE-052430	5	16	24	34	30	57	20	44	15	27	36	16	2			
KAAE-062430	6															
KAAE-082430	8	17										17				
KAAE-103036	10	21.5	30	40	36	78	28	62	20	34	46	21		6	4	
KAAE-123036	12															

Product space chart:



Features:

1.Quick replacement of ejector pin,minimum space required,save your cost.

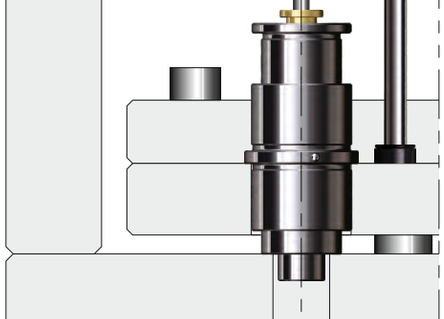
Installation Guidelines:

- The round pocket (ØP) is needed to install dowel pin to stop the turning of ejector pin.
- All mounting holes should be perpendicular to parting surface.

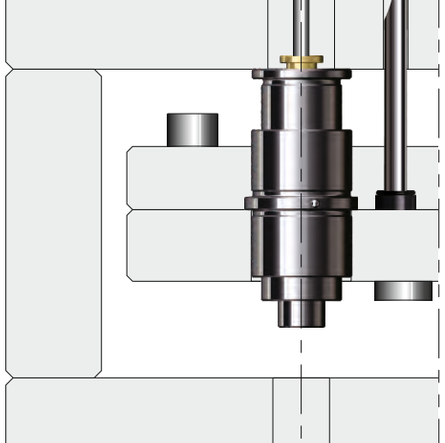
DIN

Accelerated ejectors

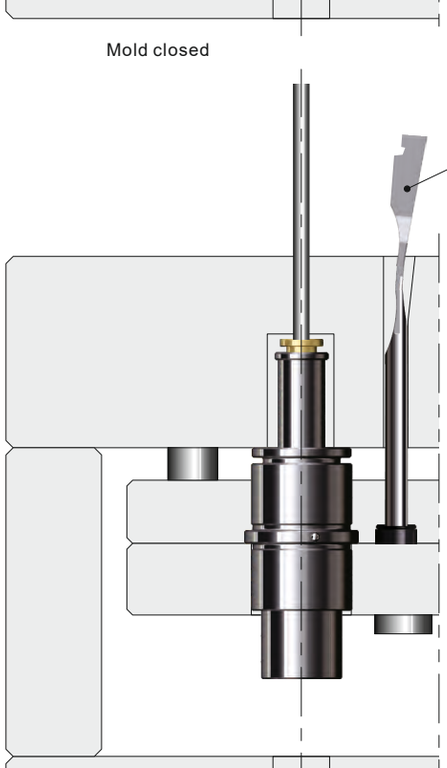
Functional chart:



Mold closed

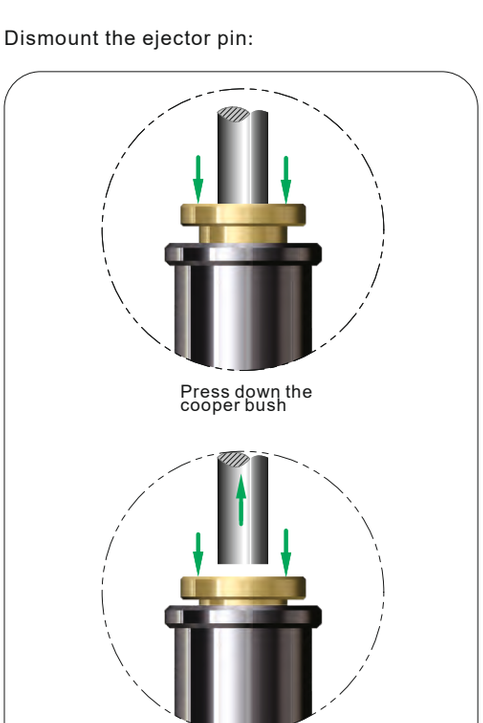


Mold opened(1)



Mold opened(2)

Dismount the ejector pin:

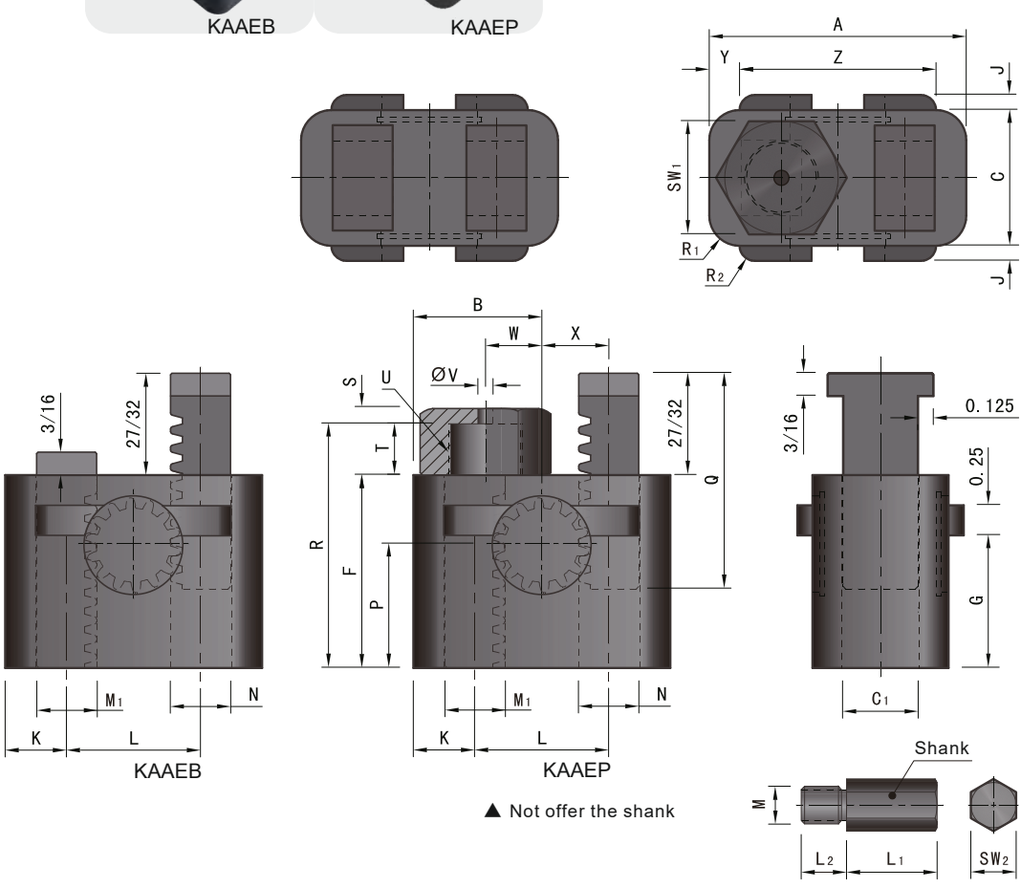


KONEK PSN

AISI

Accelerated ejectors

KAAEB
KAAEP



▲ Not offer the shank

A	B	C	E	F	G	H	J	K	L	M1	N	P	Q	R	S	T
2.125 0/- 0.002	1.062 0/- 0.002	1.125 0/- 0.002	9/16	1.6	1.1	1/2	0.125 ±0.002	0.51	1.103	1/2	1/2	1.03	1.783	2.025 -	0.55 -	0.425 -
2.875 0/- 0.004	1.437 0/- 0.002	1.625 0/- 0.002	13/16	$1^{7}/_{8}$	$1^{1}/_{4}$	5/8	0.187 ±0.002	5/8	$1^{5}/_{8}$	3/4	3/4	1.016	$2^{1}/_{16}$	$2^{3}/_{8}$ -	0.68 -	1/2 -

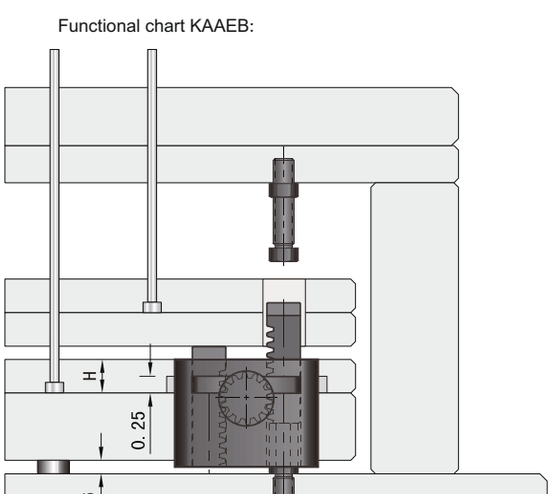
Code	U	V	W	X	Y	Z	Sw1	Sw2	R1	R2	L1	L2	C1	M	
KAAEP-10	5/8-18	1/8	0.491	0.551	0.25	1.625	15/16	3/ 8	1/ 4	1/4	3/4	3/8	5/8	5/16-18	
KAAEB-10	-	-	-				-								
KAAEP-20	$1^{1}/_{8}$-12	1/4	5/8	13/16		2.375	$1^{3}/_{8}$	9/16	3/16		0.72	1/2	$1^{1}/_{8}$	3/ 8-16	
KAAEB-20	-	-	-				-								

AISI

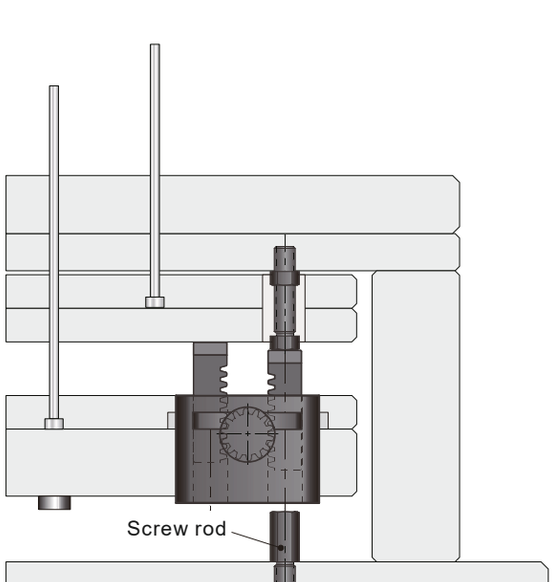
Accelerated ejectors

Features:
Accelerated ejectors use a rack and pinion mechanism to provide up to 15.8 mm additional ejector stroke. Their simple,linear movement can be used to increase the speed and stroke of ejector pins, ejector sleeves or entire ejector assemblies. The flanges and rounded corners on these units facilitate installation within the ejector assembly. The rectangular cross section of the racks prevents them from rotating. Included with each unit is a bumper stud which assures positive return of the racks when the ejector assembly is fully returned.

Functional chart KAAEB:

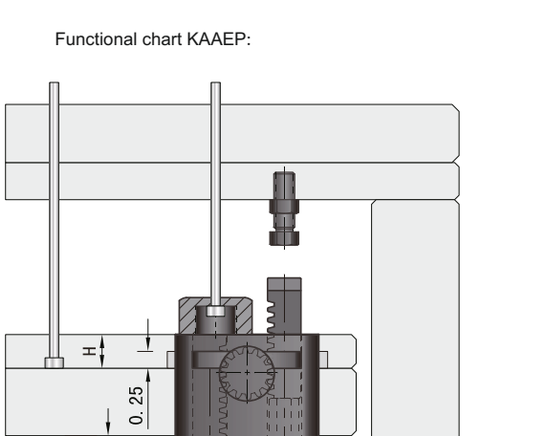


Mold closed

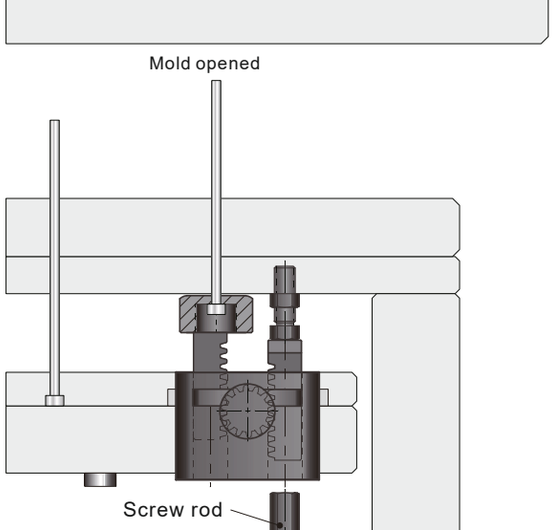


Mold opened

Functional chart KAAEP:



Mold closed

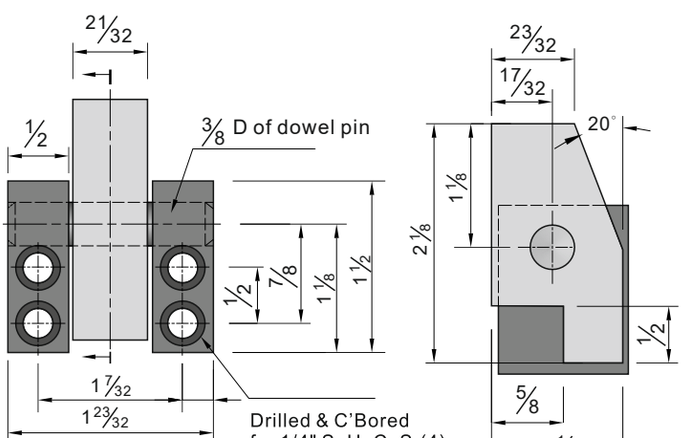


Mold opened

AISI

Accelerated ejectors

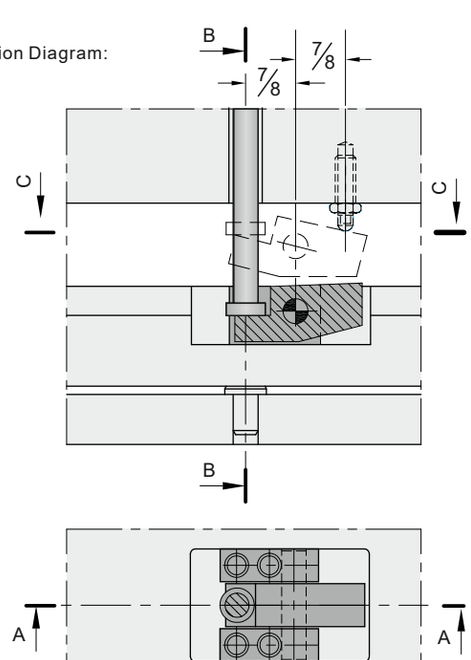
KAAKO



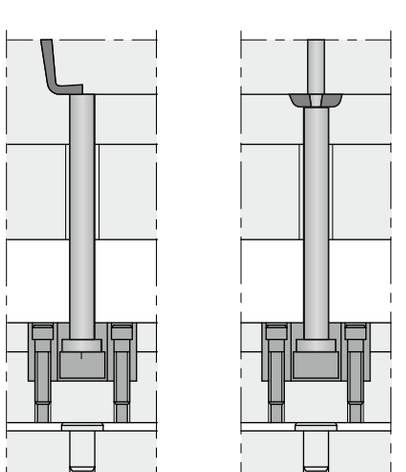
Code	
KAAKO	

Features:
The products can not be demoulded completely in the first eject if the mold has thick rib or needs greater force to demould,so that requests demould by hand or by adding the ejector stroke and then increase the mold structure.
If use the accelerated ejectors,it can solve the above problem and then improve the automation and simplify the structure.

Installation Diagram:



Functional chart:



B–B
Application 1

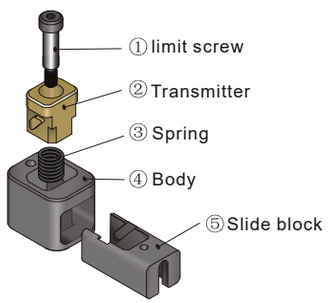
B–B
Application 2

AISI

Slide units

KCCA
KCCAMM

Product space chart:



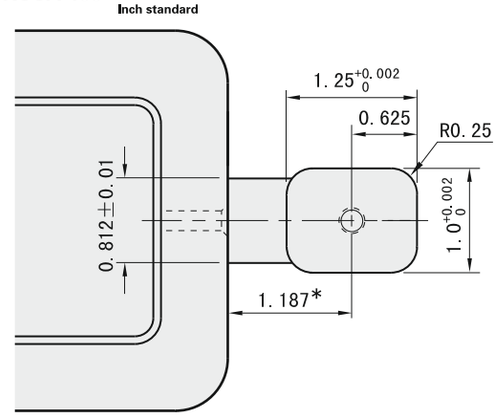
Code	
KCCA-100(Inch)	
KCCAMM-100 (Metric)	

Stroke=0.16"(4mm)

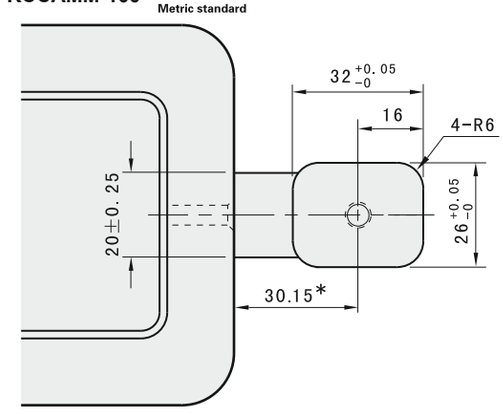
Features:
1.Small shape,easy to install and use.
2.Body ,slide block,transmitter,limit screw,springs are a complete set ,No need to extra processing the angle pin hole and other complicated processing.

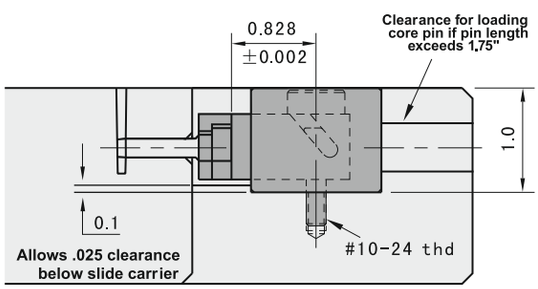
Installation Diagram:

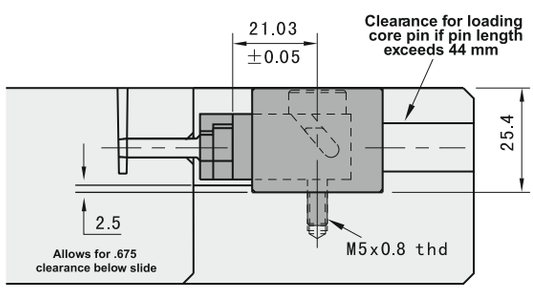
KCCA-100
Inch standard



KCCAMM-100
Metric standard





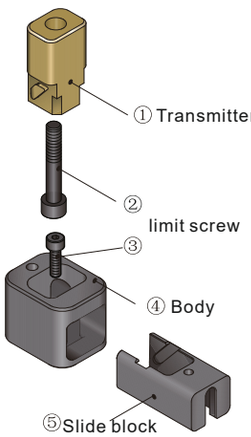


AISI

Slide units

KCCA
KCCAMM

Product space chart:



④⑤ Surface blackening treatment

① Surface titanizing treatment

Code	
KCCA-200 (Inch)	
KCCA-200L(Inch)	
KCCAMM-200 (Metric)	
KCCAMM-200L (Metric)	

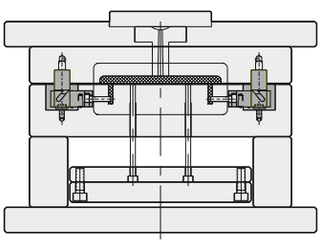
Stroke=0.23"(5.8mm)

Features:

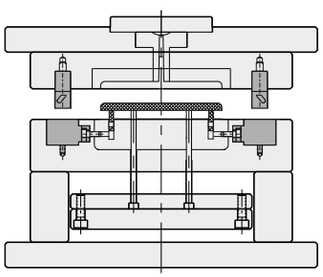
1.Small shape,easy to install and use.

2.body,slide block ,transmitter,limit screw are a complete set,No need to extra processing the angle pin hole and other complicated processing.

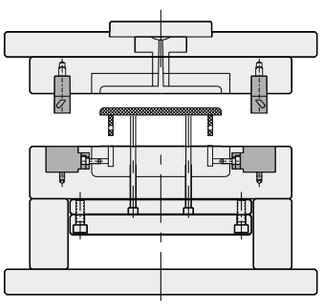
Functional chart:



Mold closed



Mold opening



Mold closed

Installation Guidelines:

·Refer to size drawing to processing installed holes .

·Transmitter will be fixed on A plate by limit screw,body and slide block are both fixed on B plate .

·When mold opening,transmitter drive slide block to move,After transmitter completely drop away from body slide block,ejector pin push plastic parts will finished whole release molds procedure.

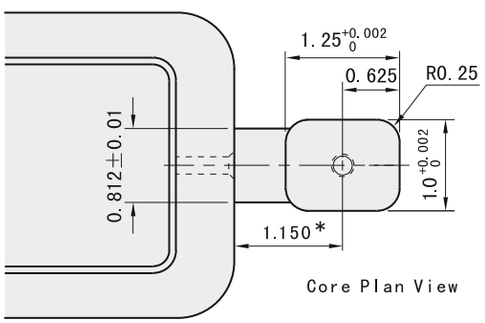
AISI

Slide units

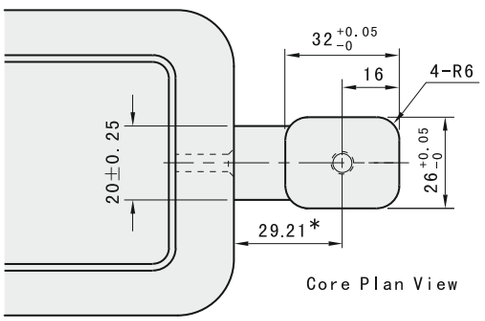
KCCA
KCCAMM

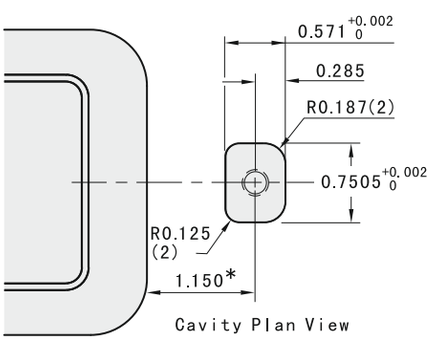
Installation Diagram:

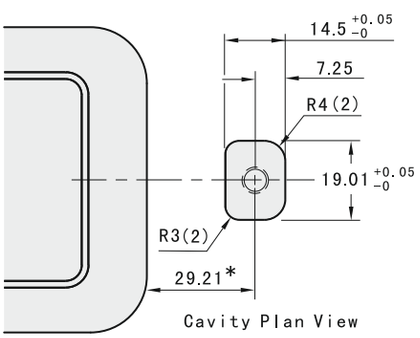
KCCA-200/200L **Inch standard**

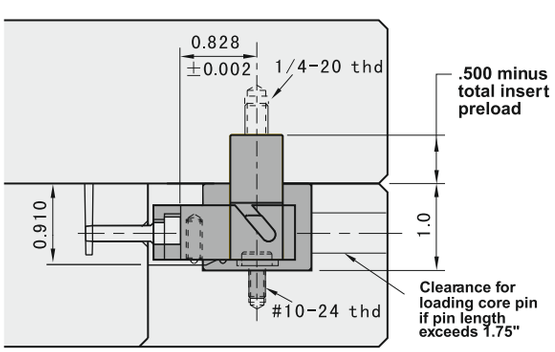


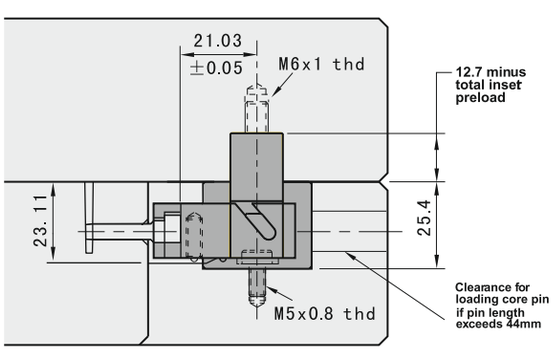
KCCAMM-200/200L **Metric standard**









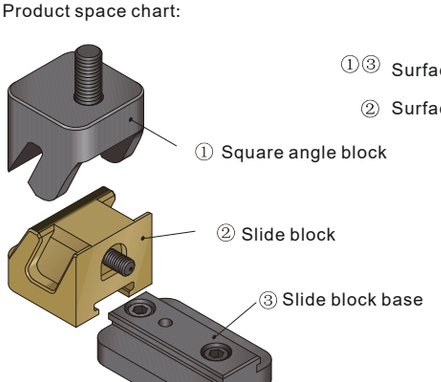


AISI

Slide units

KCCA

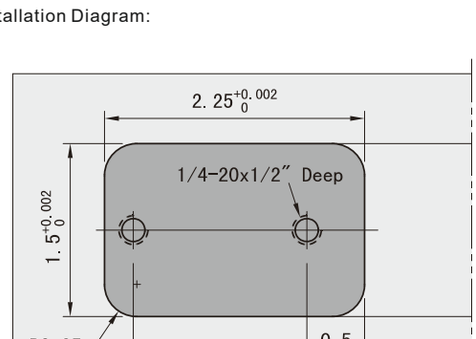
Product space chart:



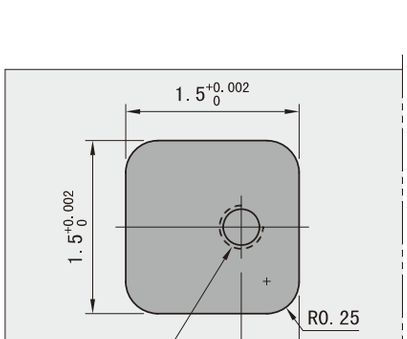
Code	
KCCA-300	
KCCA-300L	

Stroke=0.25"

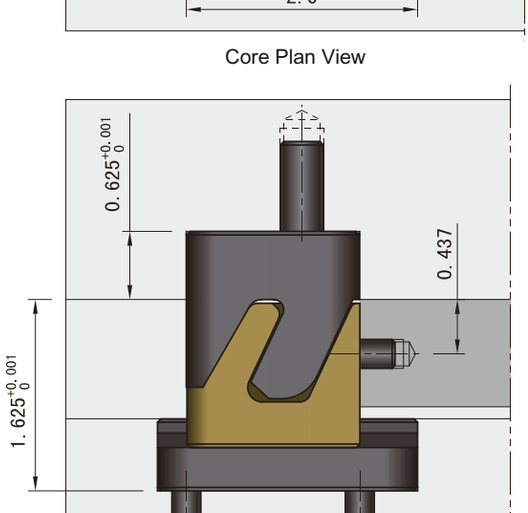
Installation Diagram:



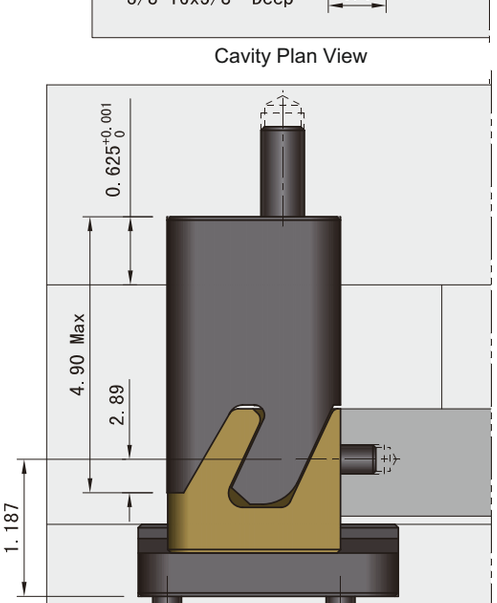
Core Plan View



Cavity Plan View



KCCA-300



KCCA-300L

AISI

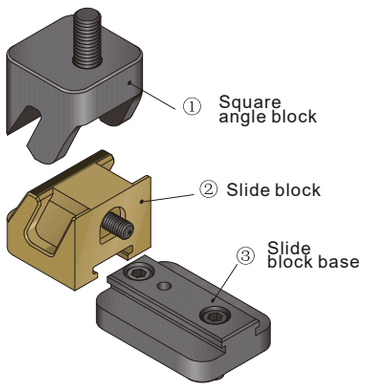
Slide units

KCCAMM

Product space chart:

①③ Surface blackening treatment

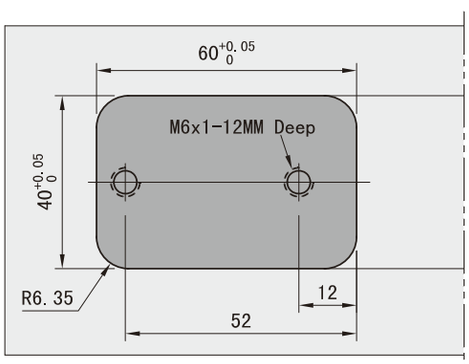
② Surface titanizing treatment



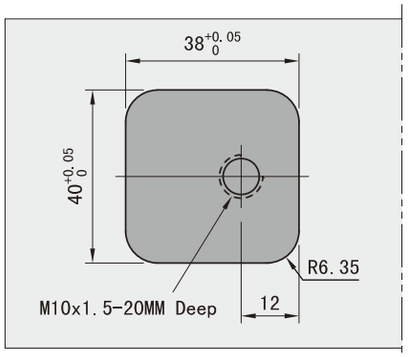
Code	
KCCAMM-300	
KCCAMM-300L	

Stroke=6.35mm

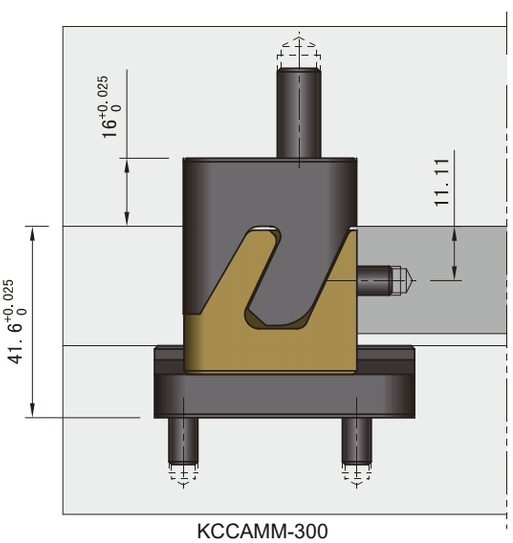
Installation Diagram:



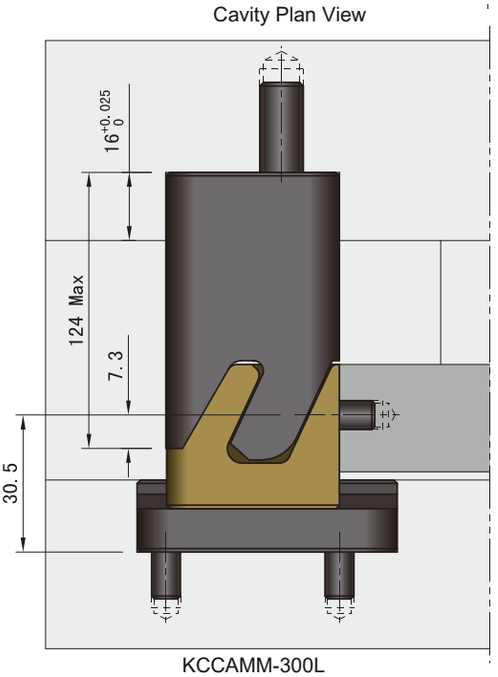
Core Plan View



Cavity Plan View



KCCAMM-300

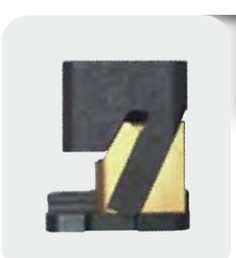


KCCAMM-300L

AISI

Slide units

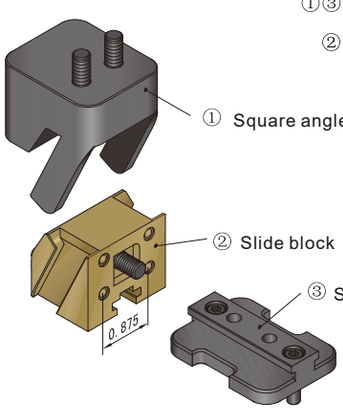
KCCAMM



Product space chart:

①③ Surface blackening treatment

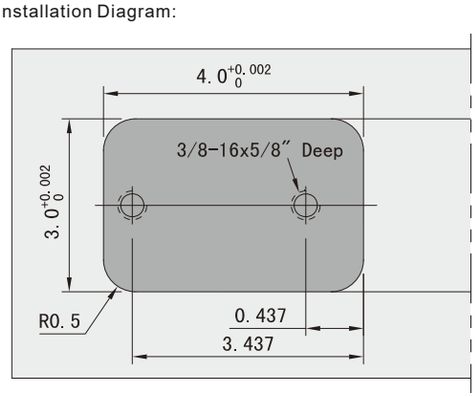
② Surface titanizing treatment



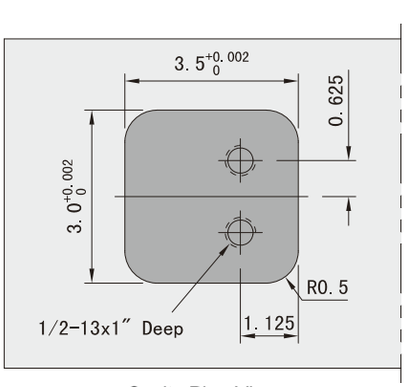
Code	
KCCAMM-400	

Stroke=1"

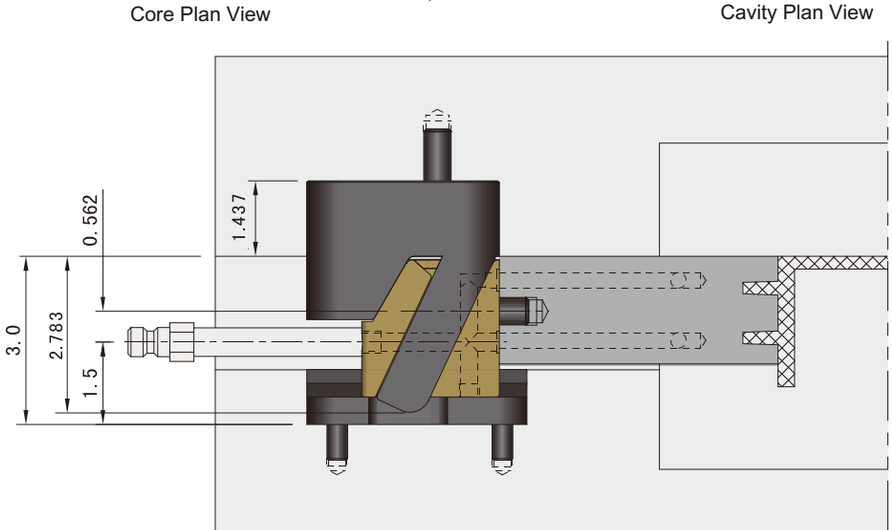
Installation Diagram:



Core Plan View



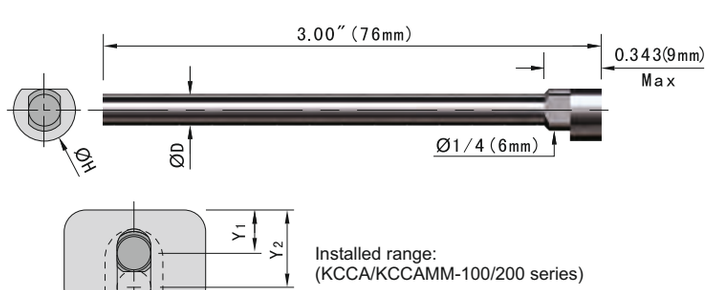
Cavity Plan View



AISI

Core pin

KCCAP1
KCCAPMM



Material:SKH51 Har :58-62HRC

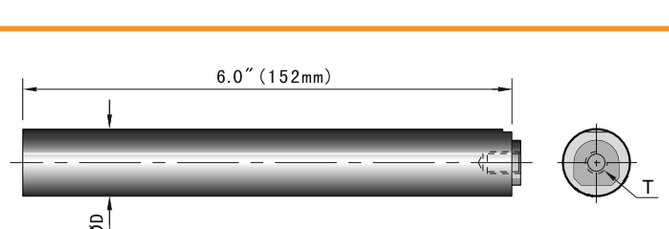
Code	D	H	Y1	Y2	
KCCAP1- 187	0.1872/0.1869	0.37	0.5	0.75	
KCCAP1- 375	0.3747/0.3744			0.688	
KCCAPMM- 5	4.994/5.006mm	9.5mm	12.7mm	19.05mm	
KCCAPMM-10	9.984/9.992mm			17.4 mm	

KCCAP2
KCCAP2MM

Material:SKH51 Har :58-62HRC

Code	D	H	
KCCAP2-500	0.5001/0.5003	0.37	
KCCAP2MM-13	13.002/13.007mm	9.5mm	

KCCAP3
KCCAP3MM



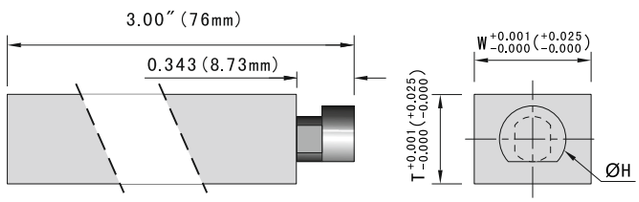
Material:SKH51 Har :58-62HRC

Code	D	T	
KCCAP3-750	0.7504/0.7508	1/4-20	
KCCAP3MM-19	19.009/19.019mm	M6-1	

AISI

Core pin

KCCSE2

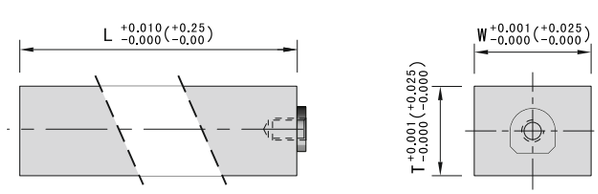


Usage range :(CCA/CCAMM-200/200L series)

Material:P20 Hardn :≈900HV(Nitrided)

Code	T	W	H	
KCCSE2-62×75	0.625	0.75	0.37	
KCCSE2MM-16×19	16mm	19mm	9.5mm	

KCCSE3

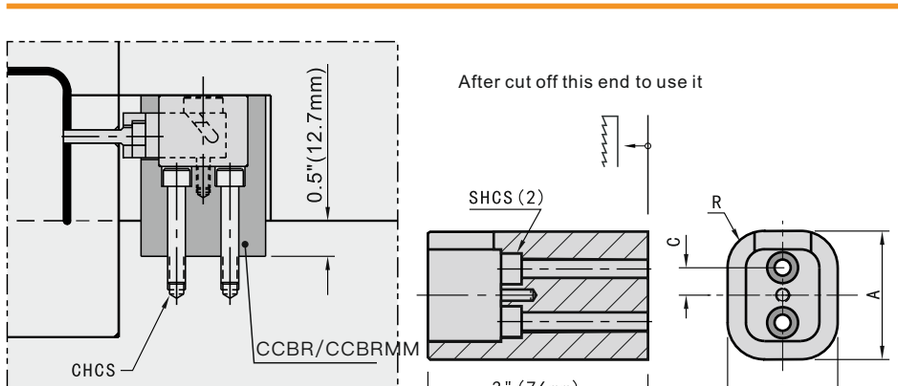


Usage range :(CCA/CCAMM-300/300L series)

Material:P20 Hardn :≈900HV(Nitrided)

Code	T	W	L	
KCCSE3- 50	0.875	1.5	0.5	
KCCSE3-200			2	
KCCSE3MM-12	22mm	38mm	12mm	
KCCSE3MM-50			50mm	

KCCBR

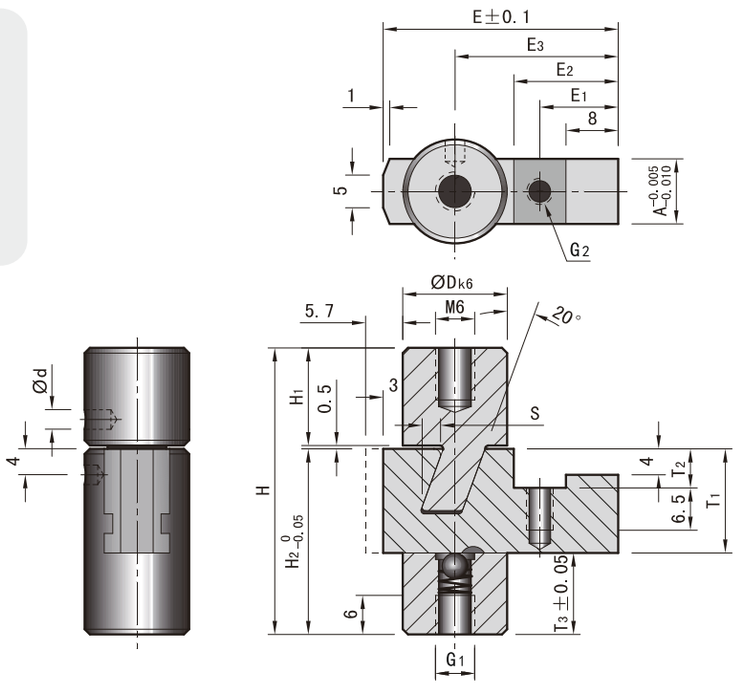


Code	A	B	C	R	SHCS	
KCCBR-100	1.750	1.50	0.375	0.50	1/4-20	
KCCBRMM-100	44mm	38mm	10mm	12.7mm	M6-1	

DIN

Slide units

KZZ4290-0

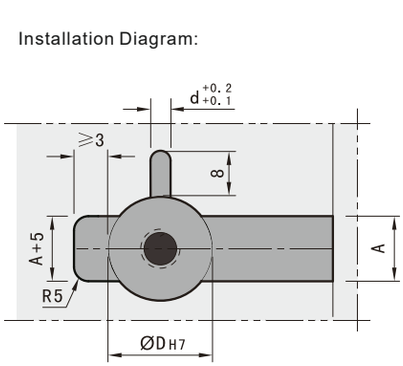


Material:SKD61 Har :52±2HRC

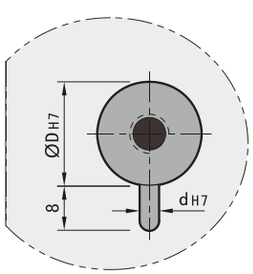
d	D	A	S	H	H1	H2	G1	G2
3	16	10	2.7	44	15	28.5	M6	M4

Code	T1	T2	T3	E	E1	E2	E3	
KZZ4290-0	16	6	12.5	36	12	16	25	

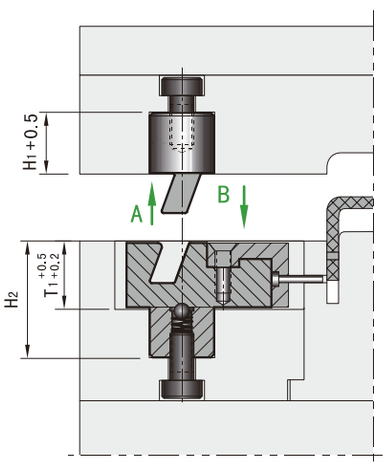
Installation Diagram:



B section



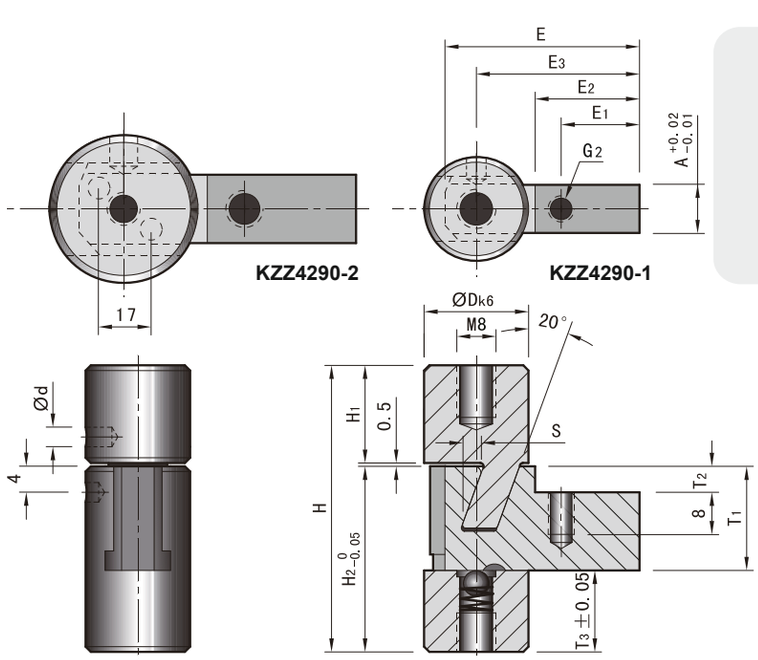
A section



DIN

Slide units

KZZ4290-1
KZZ4290-2

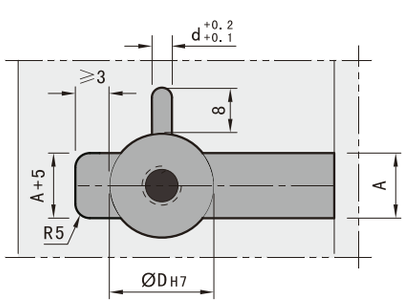


Material:**SKD61** Har :52±2HRC

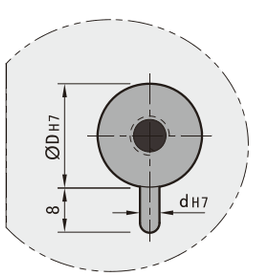
d	D	A	S	H	H1	H2	G1	G2
3	25	11	3.4	61.5	26.5	34.5	M6	M3
4	40	22	6.4	60.5	20	40	M8	M5

Code	T1	T2	T3	E	E1	E2	E3	
KZZ4290-1	18	2.5	16.5	32.8	10.8	13.9	24.2	
KZZ4290-2	28	8	12	50	8	20	37	

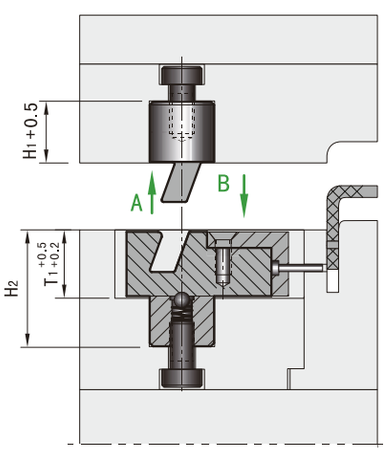
Installation Diagram:



B section



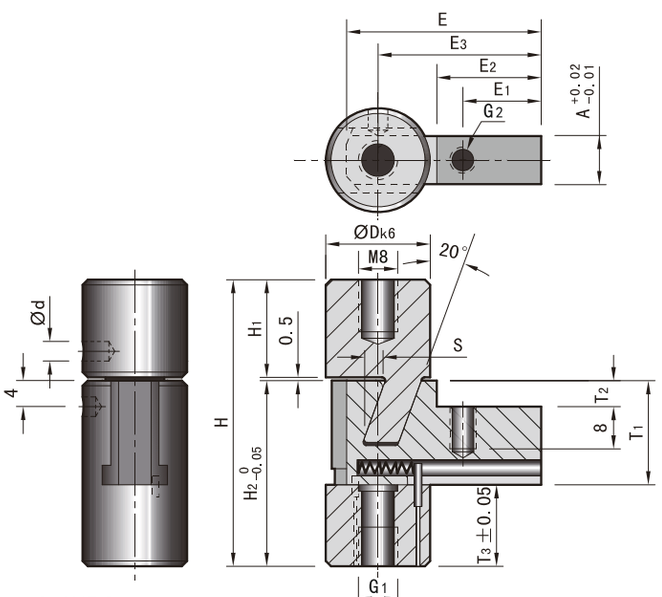
A section



DIN

Slide units

KZZ4292

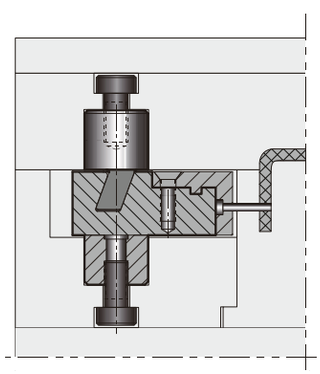


Material:**SKD61** Har :52±2HRC

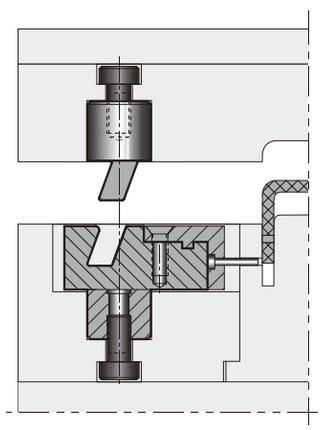
d	D	A	S	H	H1	H2	G1	G2
3	25	11	3.4	61.5	26.5	34.5	M6	M3
4	40	22	6.4	60.5	20	40	M8	M5

Code	T1	T2	T3	E	E1	E2	E3	
KZZ4292-1	18	2.5	16.5	32.8	10.8	13.9	24.2	
KZZ4292-2	28	8	12	50	8	20	37	

Functional chart:



Mold closed



Mold opening

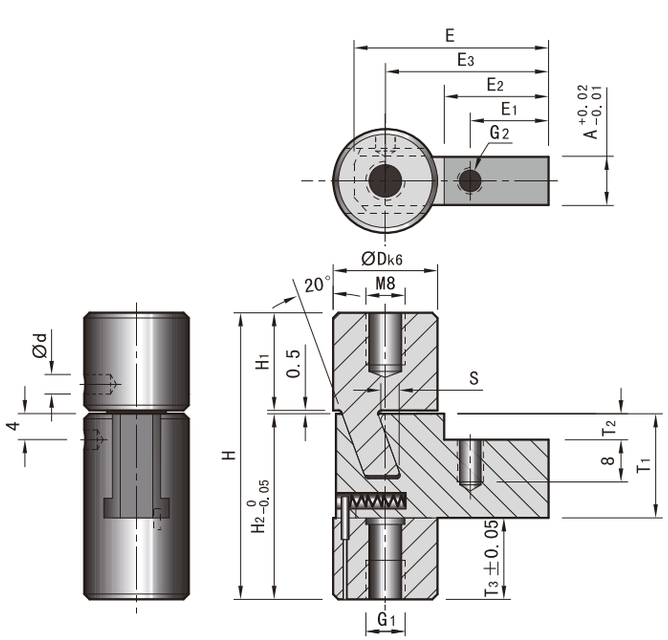
Features:
1.Well-knit structure,save room can reduce mold whole size.
2.Complete product specifications,apply to more occasion.
3.Easy to install and convenient for maintenance.

Installation Guidelines:
·The position of slide core need customer to processing.
·Please notes all movable parts must be lubricated smoothly

DIN

Slide units

KZZ4293

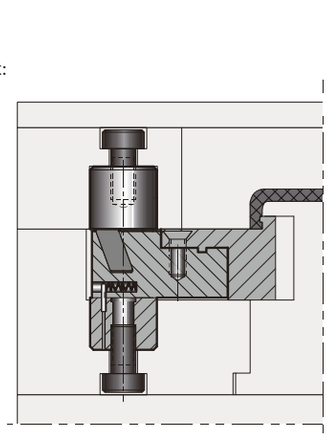


Material:SKD61 Har :52±2HRC

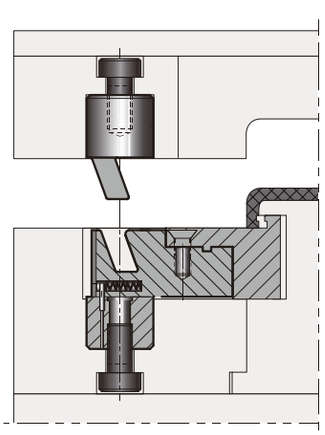
d	D	A	S	H	H1	H2	G1	G2
3	25	11	3.4	61.5	26.5	34.5	M6	M3
4	40	22	6.4	60.5	20	40	M8	M5

Code	T1	T2	T3	E	E1	E2	E3	
KZZ4293-1	18	2.5	16.5	36	10.8	13.9	24.2	
KZZ4293-2	28	8	12	56.5	8	20	37	

Functional chart:



Mold closed



Mold opening

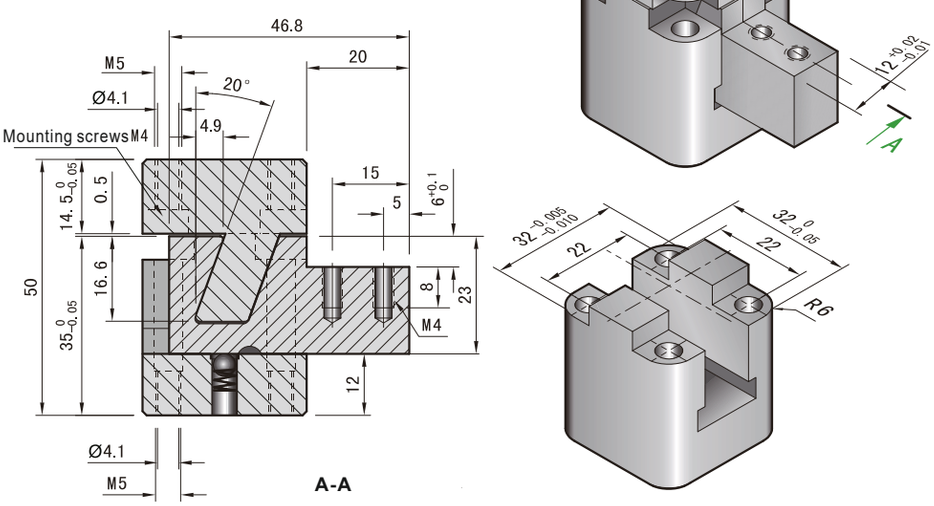
Features:
1.Well-knit structure,save room can reduce mold whole size.
2.Complete product specifications,apply to more occasion.
3.Easy to install and convenient for maintenance.

Installation Guidelines:
·The position of slide core need customer to processing.
·Please notes all movable parts must be lubricated smoothly

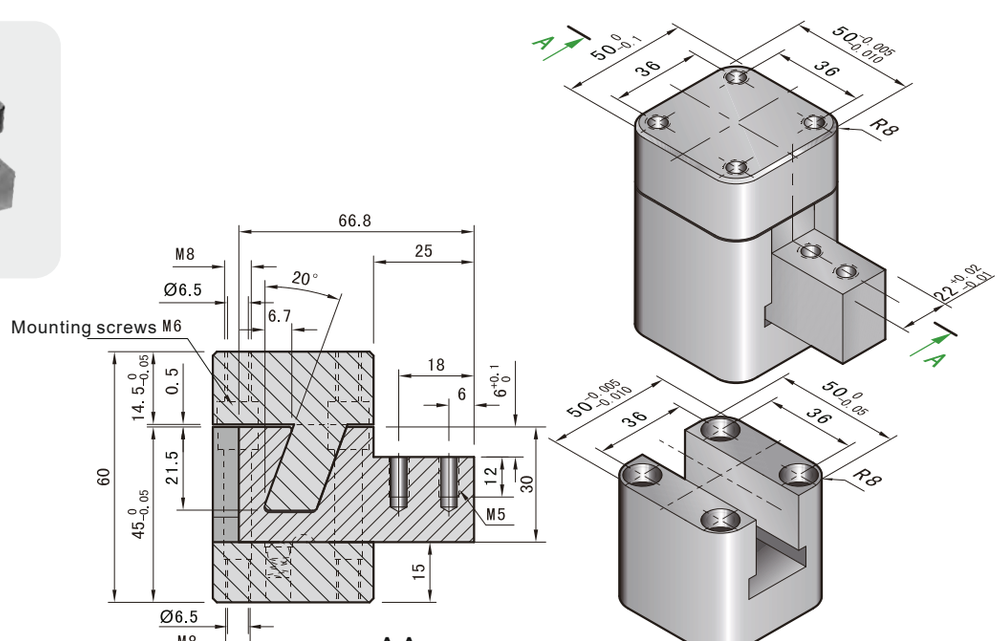
DIN

Slide units

KZZ4294



Material:SKD61 Har :52±2HRC

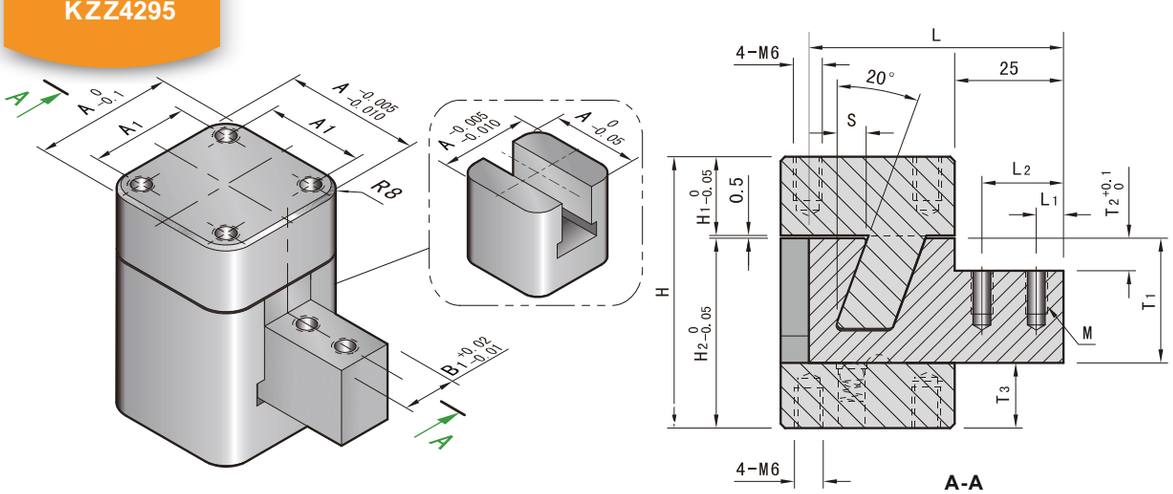


M Material:SKD61 H Har :52±2HRC

DIN

Slide units

KZZ4295

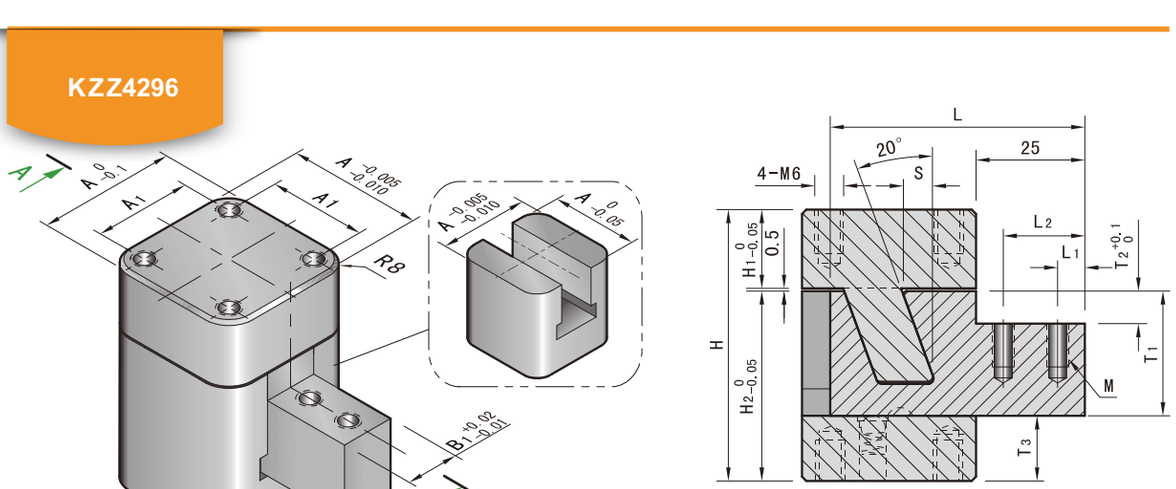


Material:SKD61 Har :52±2HRC

A	A1	B	S	L	L1	L2	M
40	26	20	4.9	59.8	10	20	M4
60	46	35	9.9	74.8	6	18	M5

Code	H	H1	H2	T1	T2	T3	
KZZ4295-1	52	14.5	37	25	6	12	
KZZ4295-2	72		57	40	10	17	

KZZ4296



Material:SKD61 Har :52±2HRC

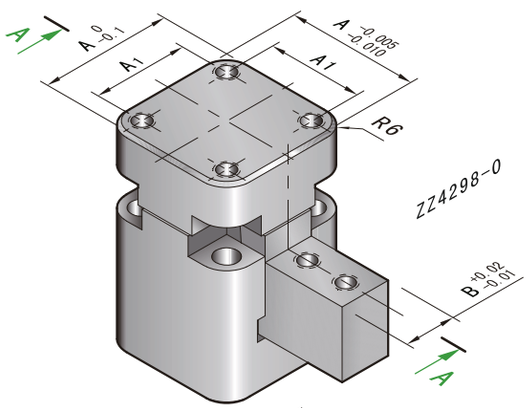
A	A1	B	S	L	L1	L2	M
40	26	20	4.9	59.8	10	20	M4
60	46	35	9.9	84	6	18	M5

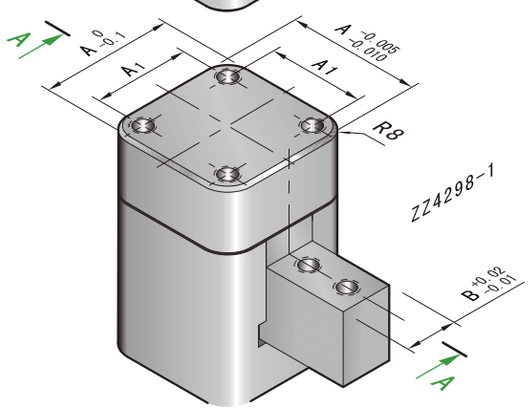
Code	H	H1	H2	T1	T2	T3	
KZZ4296-1	52	14.5	37	25	6	12	
KZZ4296-2	72		57	40	10	17	

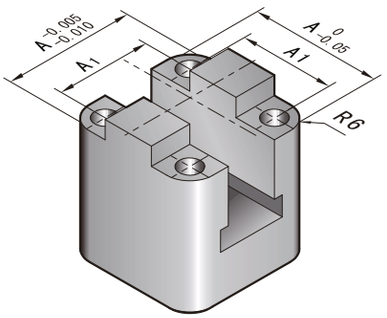
DIN

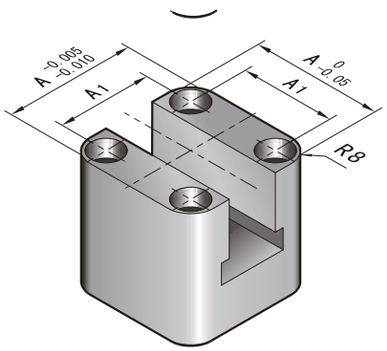
Slide units

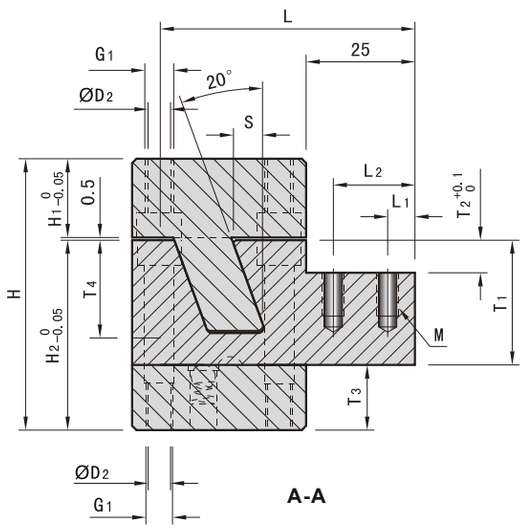
KZZ4298











Material:SKD61 Har :52±2HRC

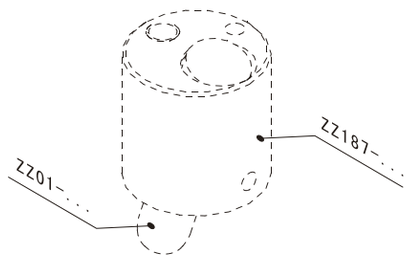
A	A1	B	S	L	L1	L2	L3	M	G1
32	22	12	4.9	51.5	5	15	20	M4	M5
50	36	22	6.7	74.5	6	18	25	M5	M8

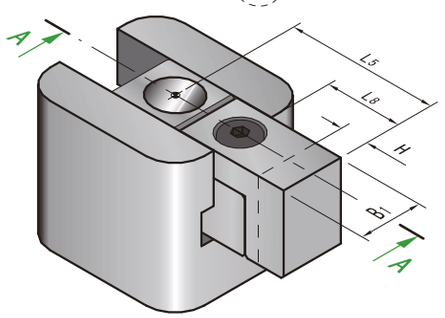
Code	H	H1	H2	T1	T2	T3	T4	D2	
KZZ4298-0	50	14.5	35	23	6	12	16.6	4.1	
KZZ4298-1	60		45	30		15	21.5	6.5	

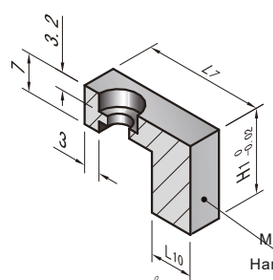
DIN

Slide units

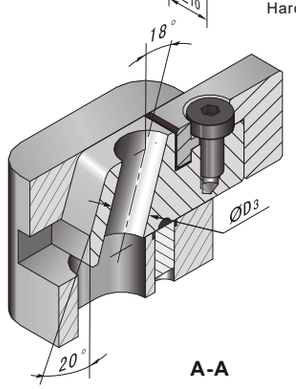
KZZ181



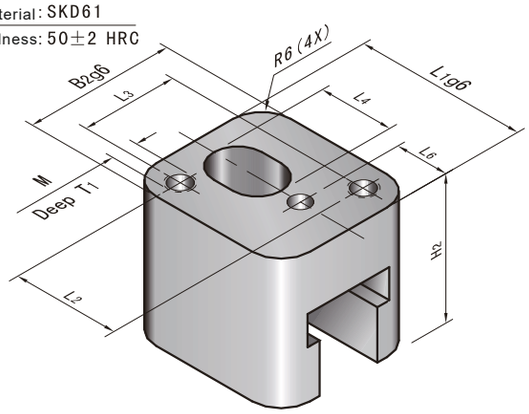




Material: SKD61
Hardness: 50±2 HRC



A-A



Features:
1.Well-knit structure,space saving can reduce mold whole size.
2.Easy to install and convenient for maintenance.

Installation Guidelines:
·The position of slide core need customer to processing.
·Please notes all movable parts must be lubricated smoothly.

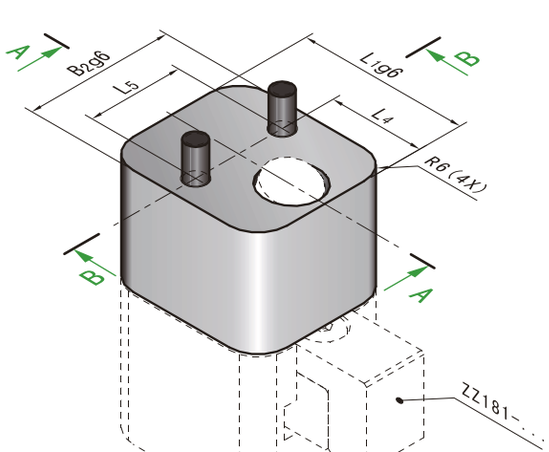
D1	B1	H1	H	H2	B2	D3	T1	L10	M
8	12	16	5	27	28	9	8	8	M5
10	16	18	6.5	32	32	11	10	10	M6

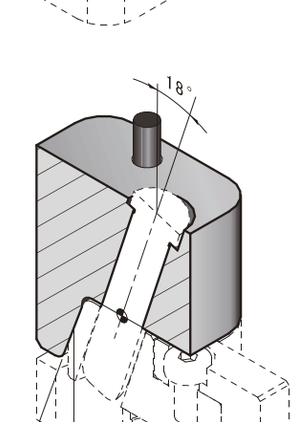
Code	L1	L2	L3	L4	L5	L6	L7	L8	
KZZ181- 8×12×16	32	20	18	14	28.5	10	22	14.3	
KZZ181-10×16×18	40	29	20	17	32.5	12	25	15.3	

DIN

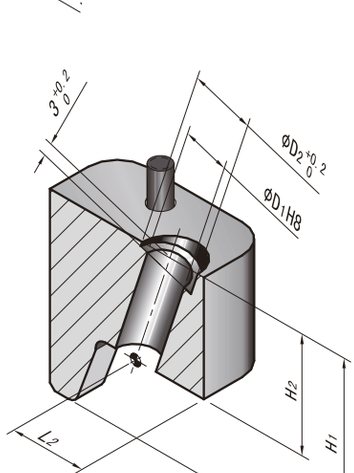
Slide units

KZZ1810

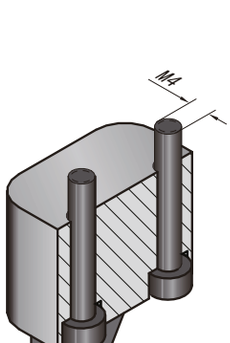




A-A



A-A



B-B

Features:
1.Well-knit structure ,space saving can reduce mold whole size.
2.Easy to install and convenient for maintenance.

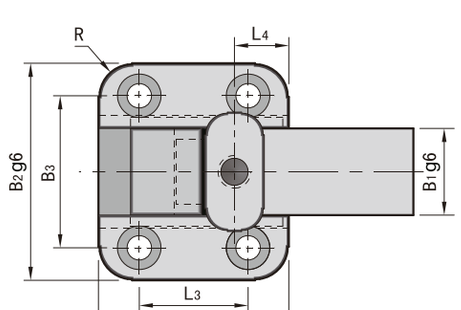
Material:Cr12MoV H :53+2HRC

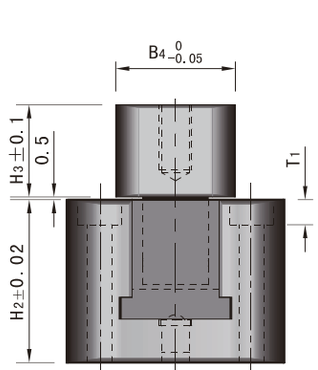
Code	D1	D2	B2	B3	L1	L2	L4	L5	H1	H2	
KZ Z1810- 8	8	11	28	11	32	14.2	18	18	36	22	
KZZ1810-10	10	13	32	15	40	17.2	22	20	44	27	

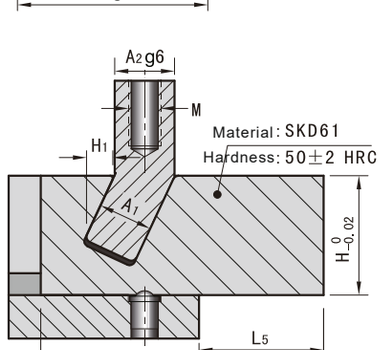
DIN

Slide units

KZZ1812



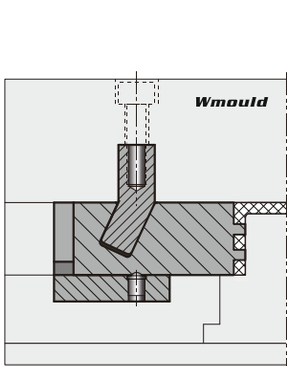




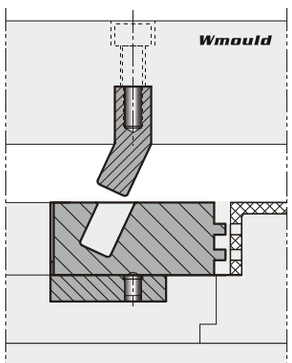
A1	B1	H	H1	H2	H3	A2	B2	B3	B4	D1	T1
10	16	22	4.6	30	17	11	40	28	22	4.5	4.6
12	25	30	7	40	20	13	55	40	30	6.6	6.8

Code	L1	L2	L3	L4	L5	R	M	
KZZ1812-10×16×22	52	35	20	10	22.9	6	M6	
KZZ1812-12×25×30	75	50	35	15	33.8	7	M8	

Function diagram:



Mold closed



Mold opening

Features:
1. Well-knit structure,space saving can reduce mold whole size.
2. Easy to install and convenient for maintenance.

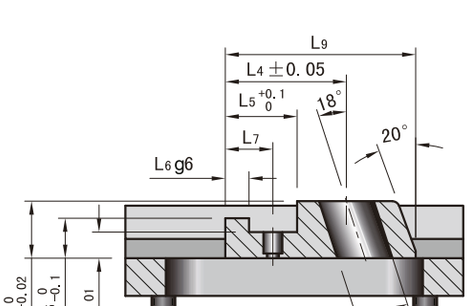
Installation Guidelines:
- H1 data is max.
- The position of slide core need customer to processing.
- Please notes all movable parts must be lubricated smoothly.

KONEK PSN

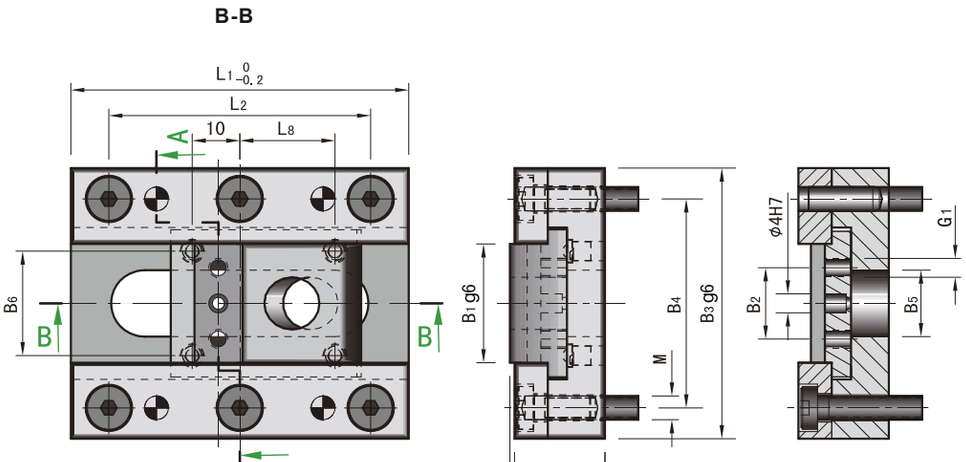
DIN

Slide construction kits

KZZ1880



B-B



A-A

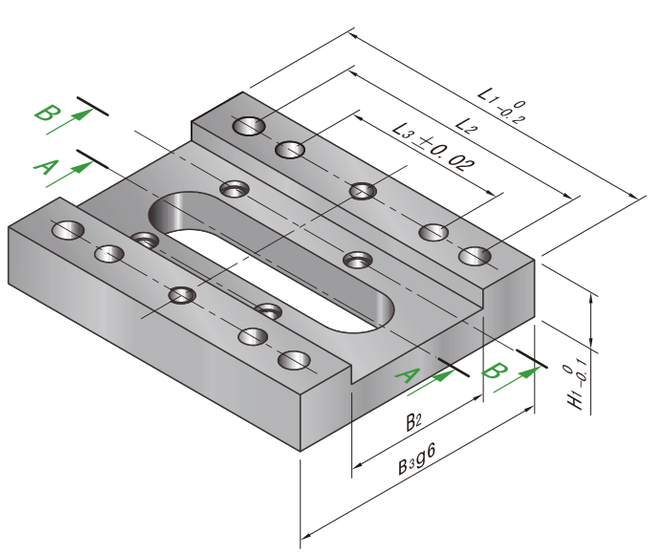
H1	B1	L1	L2	L4	L5	L6	L7	L8	L9	D1	M	G1
12	25	71	55	25.45	15.1	5	10	20	40	11	M5	M4
	40			24.45						13		
	63											
16	25			28		5.5			45			
	40											
	63			27						15		
20	40	100	84	31.7	18.1	8	13	25	50	13	M6	
	63											
	80			30.7						15		
25	40			33.45	22.1	10	16		55			M5
	63											
	80											

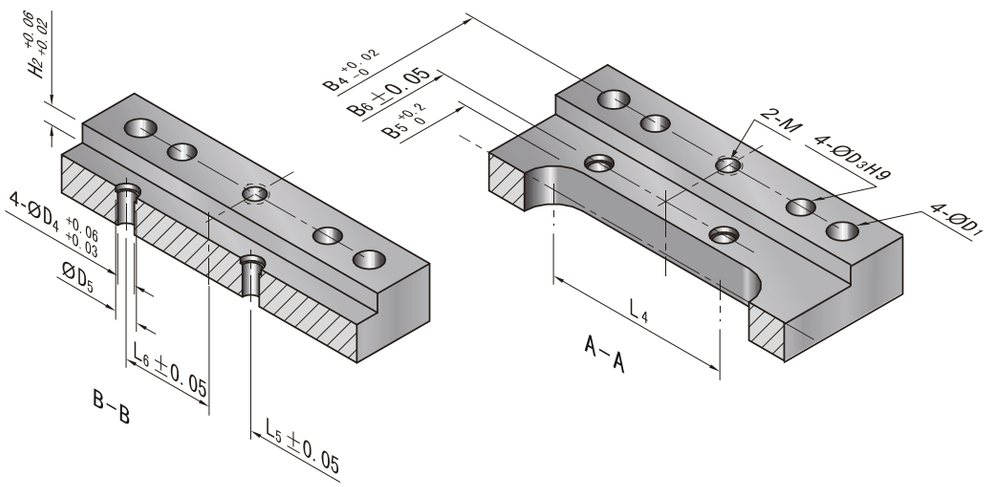
Code	B2	B3	B4	B5	B6	H2	H3	H5	H6	
KZZ1880-12×25× 71	15	57	44	14	22	20	19	8.4	5.5	
KZZ1880-12×40× 71	20	72	59		30					
KZZ1880-12×63× 71	30	95	82	16	50					
KZZ1880-16×25× 71	15	57	44	14	22	24	23	9.9	6	
KZZ1880-16×40× 71	20	72	59		30					
KZZ1880-16×63× 71	30	95	82	16	50					
KZZ1880-20×40×100	20	80	64		30	30	29	13.4	9	
KZZ1880-20×63×100	30	103	87		50					
KZZ1880-20×80×100	40	120	104		60					
KZZ1880-25×40×100	20	80	64		30	35	34	15.9	10	
KZZ1880-25×63×100	30	103	87		50					
KZZ1880-25×80×100	40	120	104		60					

DIN

Slide casings

KZZ1881



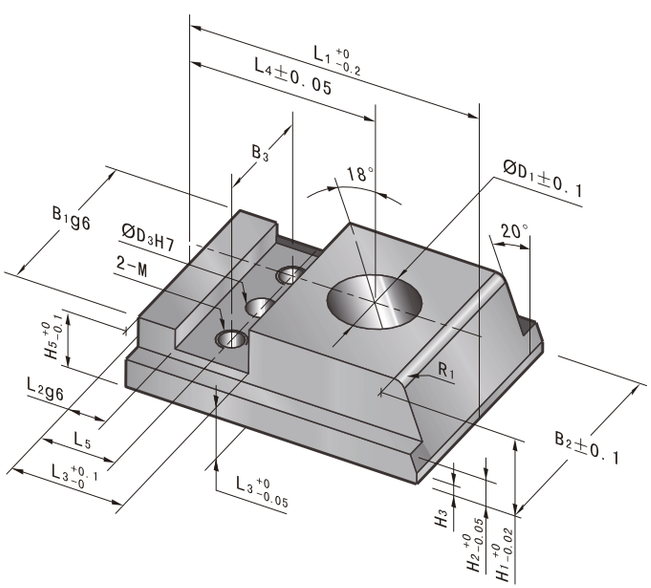


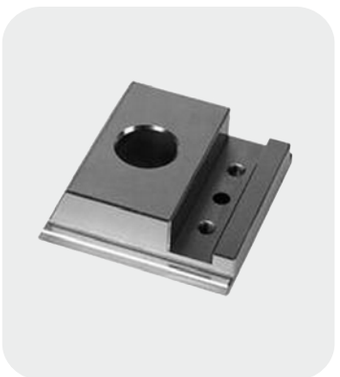
B3	L1	B2	B4	B5	B6	H1	H2	D1	D3	D4
57	71	32	44	14	22	12	4	5.5	5	4
72		47	59		30					6
95		70	82	16	50					
80	100	47	64		30	15	5	6.6	6	
103		70	87		50					
120		87	104		60					

Code	D5	L2	L3	L4	L5	L6	M	ZZ1801-... B1	
KZZ1881-25× 57× 71	5	55	35	40	10	20	M5	25	
KZZ1881-40× 72× 71	7							40	
KZZ1881-63× 95× 71								63	
KZZ1881-40× 80×100		84	60	50		25	M6	40	
KZZ1881-63×103×100								63	
KZZ1881-80×120×100								80	

Slides

KZZ1801





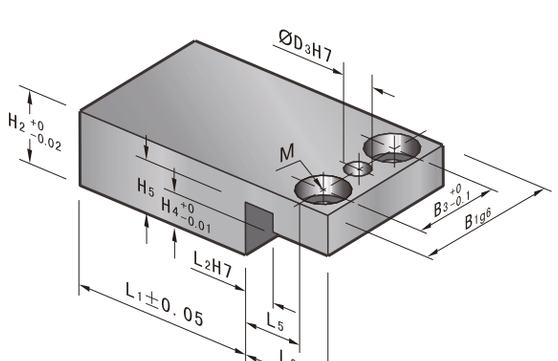
H1	B1	L1	H2	H3	H4	H5	D1	D3	R1
12	25	40	4	1.5	5.5	8.4	11	4	1.5
	40						13		
	63								
16	25	45			6	9.9			
	40						15		
	63								
20	40	50	5	2	9	13.4	13		2
	63								
	80						15		
25	40	55			10	15.9			
	63								
	80								

Code	B2	B3	L2	L3	L4	L5	M	
KZZ1801-12×25×40	31	15	5	15.1	25.45	10	M4	
KZZ1801-12×40×40	46	20			24.45			
KZZ1801-12×63×40	69	30						
KZZ1801-16×25×45	31	15	5.5		28			
KZZ1801-16×40×45	46	20						
KZZ1801-16×63×45	69	30			27			
KZZ1801-20×40×50	46	20	8	18.1	31.7	13		
KZZ1801-20×63×50	69	30						
KZZ1801-20×80×50	86	40			30.7			
KZZ1801-25×40×55	46	20	10	22.1	33.45	16	M5	
KZZ1801-25×63×55	69	30						
KZZ1801-25×80×55	86	40						

DIN

Slides

KZZ1802



H1	B1	L1	L2	L3	L5	D3
12	25	30	5	15	10	4
	40					
	63					
16	25		5.5			
	40					
	63					
20	40	40	8	18	13	
	63					
	80					
25	40		10	22	16	
	63					
	80					

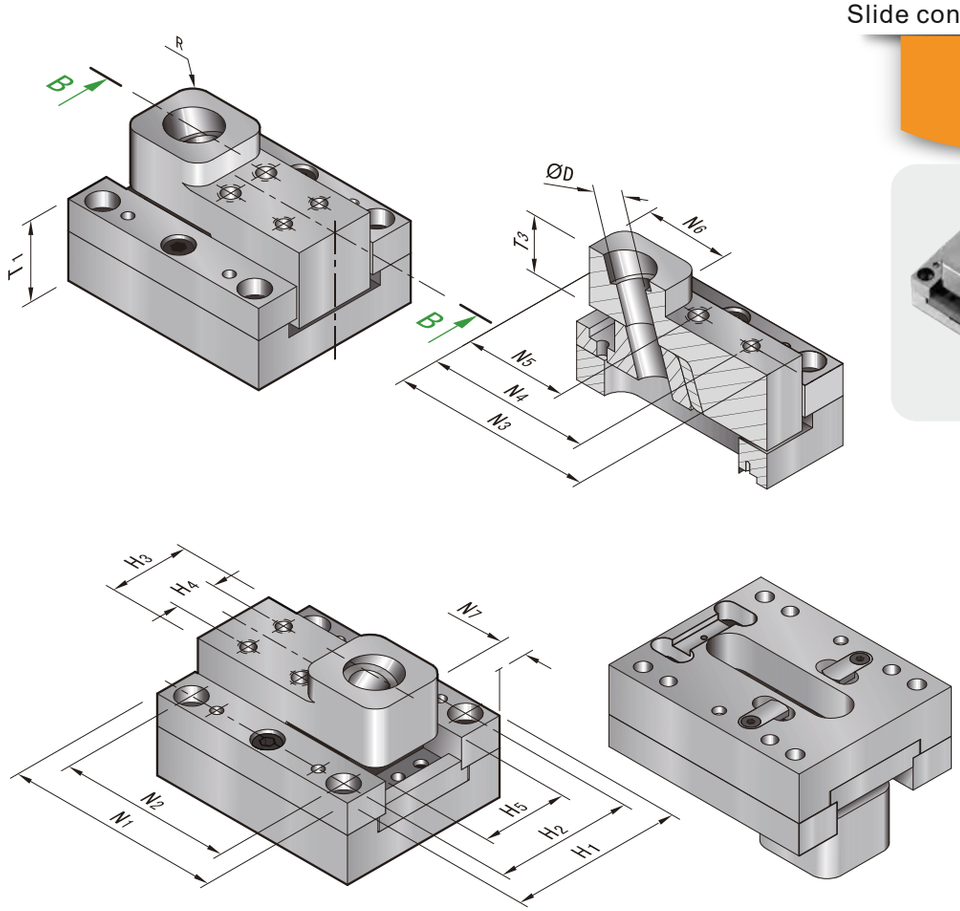
Code	B3	H4	H5	M	
KZZ1802-12×25×30	15	5.5	8.5	M4	
KZZ1802-12×40×30	20				
KZZ1802-12×63×30	30				
KZZ1802-16×25×30	15	6	10		
KZZ1802-16×40×30	20				
KZZ1802-16×63×30	30				
KZZ1802-20×40×40	20	9	13.5		
KZZ1802-20×63×40	30				
KZZ1802-20×80×40	40				
KZZ1802-25×40×40	20	10	16	M5	
KZZ1802-25×63×40	30				
KZZ1802-25×80×40	40				

KONEK PSN

DIN

Slide construction kits

KZZ4200



H1	T1	N1	Type	H2	H3	H4	H5	T2	T3	N2	N3	N4
50	28	75	A	38	18	-	20	11	20	60	65	50
55				43	23		25					
60			B	48	28	14	30				70	57
70				58	38	22	40					
80				68	48	32	50					
90				78	58	42	60					
60		90		48	28	14	30			70		
70				58	38	22	40					
80				68	48	32	50					
76	42	100		62	38	18	40			76	82.5	65
86				72	48	28	50					
96				82	58	38	60					

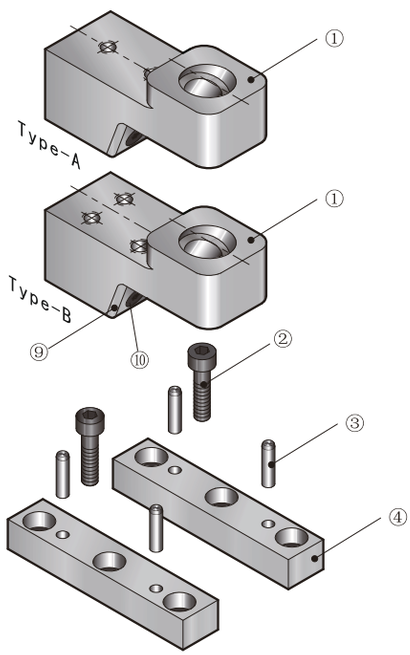
Code	N5	N6	N7	D	D2	D5	D6	R	
KZZ4200	26	20	10	8	M6	M5	M5	5	
				10					
	36	30	5	12				6	
	36.5		17.5		M8	M6	M6		

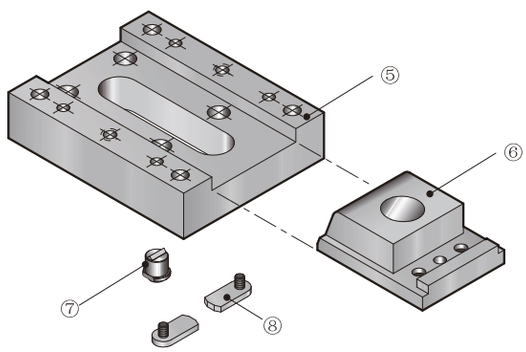
DIN

Slide construction kits

KZZ4200

Product space chart:





No.	Spec.	QTY(PCS)
1	KZZ4220-...	1
2	Screw bolt	2
3	Dowel pin	4
4	KZZ4240-...	2
5	KZZ4205-...	1
6	KZZ4210-...	1
7	KZZ5134-...	1
8	KZZ4211-...	2
9	KZZ4230-...	1
10	Screw	1/2

KZZ4200	KZZ4205- (1x)	KZZ4210- (1x)	ZKZ4220- (1x)	KZZ4230- (1x)	KZZ4240- (2x)	KZZ5134- (1x)	KZZ4211- (2x)	
50-28- 75	50-17- 75	20-16-40	18-15-65	18-15-4				
55-28- 75	55-17- 75	25-16-40	23-15-65	23-15-4				
60-28- 75	60-17- 75	30-16-45	28-15-70	28-15-4	15-11- 75			
70-28- 75	70-17- 75	40-16-45	38-15-70	38-15-4				
80-28- 75	80-17- 75	50-16-45	48-15-70	48-15-4				
90-28- 75	90-17- 75	60-16-45	58-15-70	58-15-4				
60-28- 90	60-17- 90	30-16-45	28-15-70	28-15-4		7	1	
70-28- 90	70-17- 90	40-16-45	38-15-70	38-15-4	15-11- 90			
80-28- 90	80-17- 90	50-16-45	48-15-70	48-15-4				
76-42-100	76-20-100	40-30-64	38-29-82.5	38-29-6				
86-42-100	86-20-100	50-30-64	48-29-82.5	48-29-6	18-22-100			
96-42-100	96-20-100	60-30-64	58-29-82.5	58-29-6				

KONEK PSN

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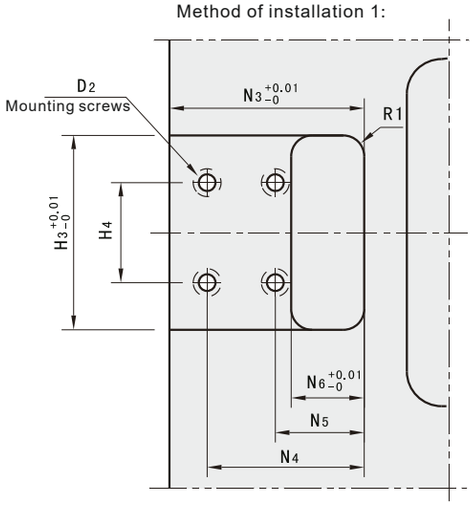
Slide construction kits

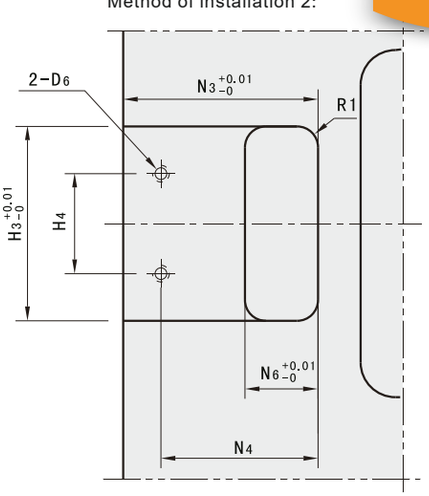
KZZ4200

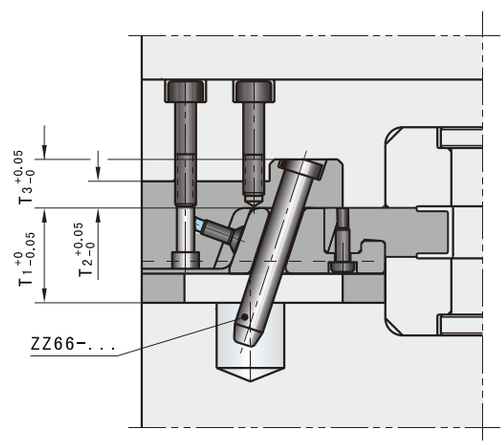
Installation Diagram:

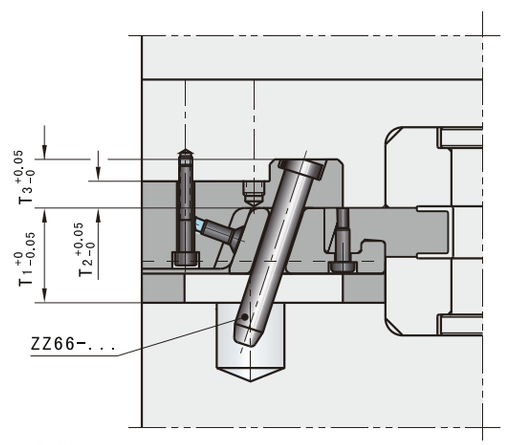
Method of installation 1:

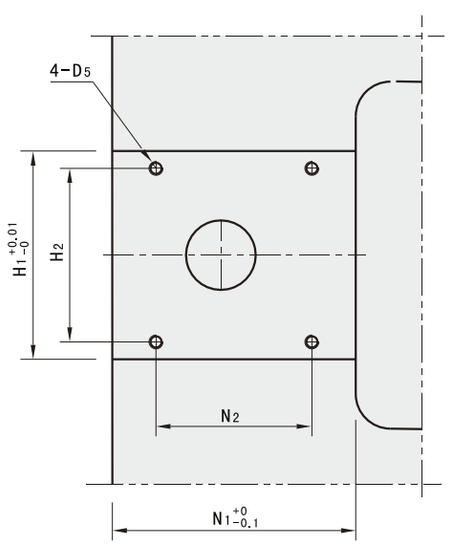


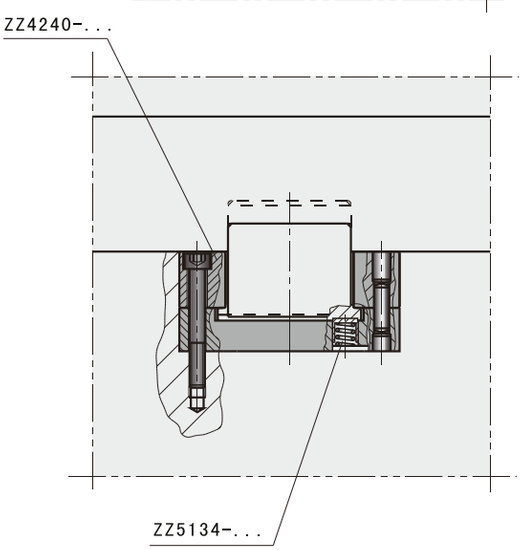
Method of installation 2:







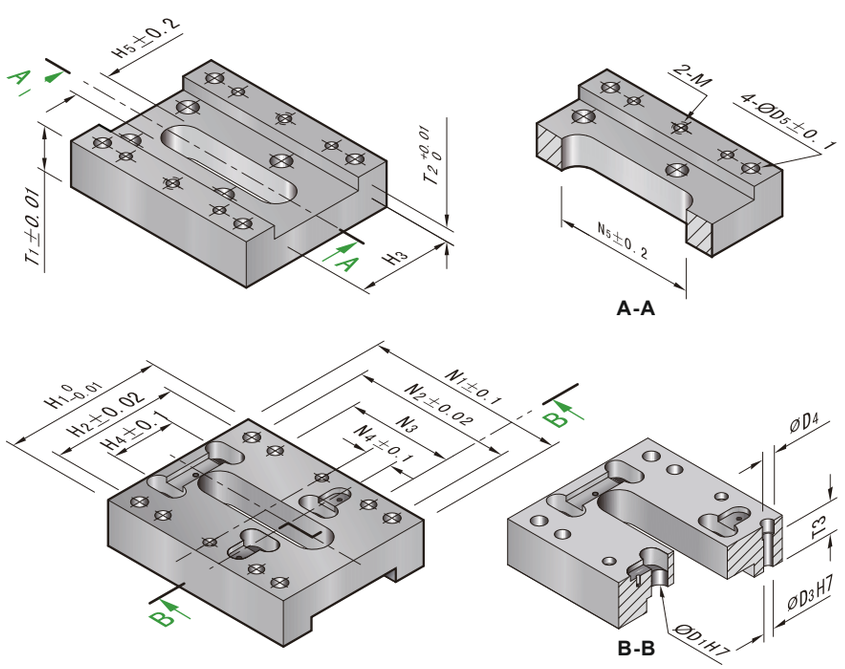




DIN

Slide casings

KZZ4205



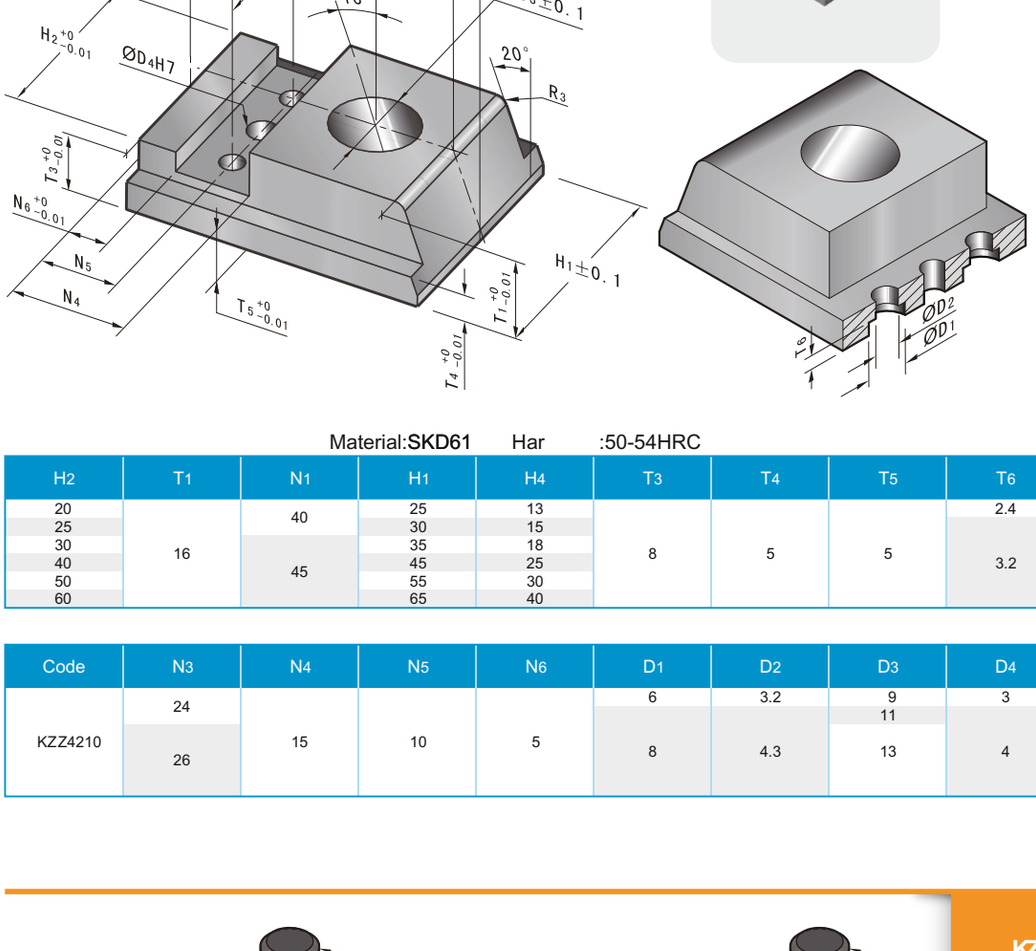
Material:SKD11 Har :58±2HRC

H1	T1	N1	H2	H3	H4	H5	T2	T3	M
50	17	75	38	26	18	9	5	12	M5
55			43	31	21	11			
60			48	36	25	13			
70			58	46	32				
80			68	56	42				
90			78	66	52				
60		90	48	36	25				
70			58	46	32				
80			68	56	42				

Code	N2	N3	N4	N5	D1	D3	D4	D5	
KZZ4205	60	40	10	51	7	4	5	5.5	
	70	50		61					

DIN
Slides

KZZ4210

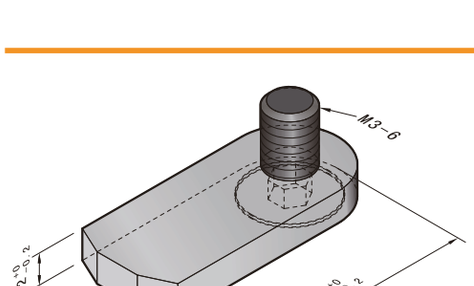


Material:**SKD61** Har :50-54HRC

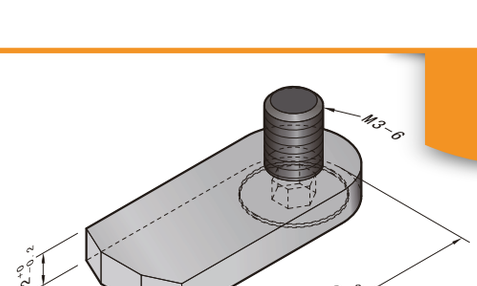
H2	T1	N1	H1	H4	T3	T4	T5	T6	N2
20	16	40	25	13	8	5	5	2.4	35
25			30	15					
30		45	35	18				3.2	40
40			45	25					
50			55	30					
60			65	40					

Code	N3	N4	N5	N6	D1	D2	D3	D4	
KZZ4210	24	15	10	5	6	3.2	9	3	
	26				8	4.3	11	4	
							13		

KZZ4211



KZZ4211-1



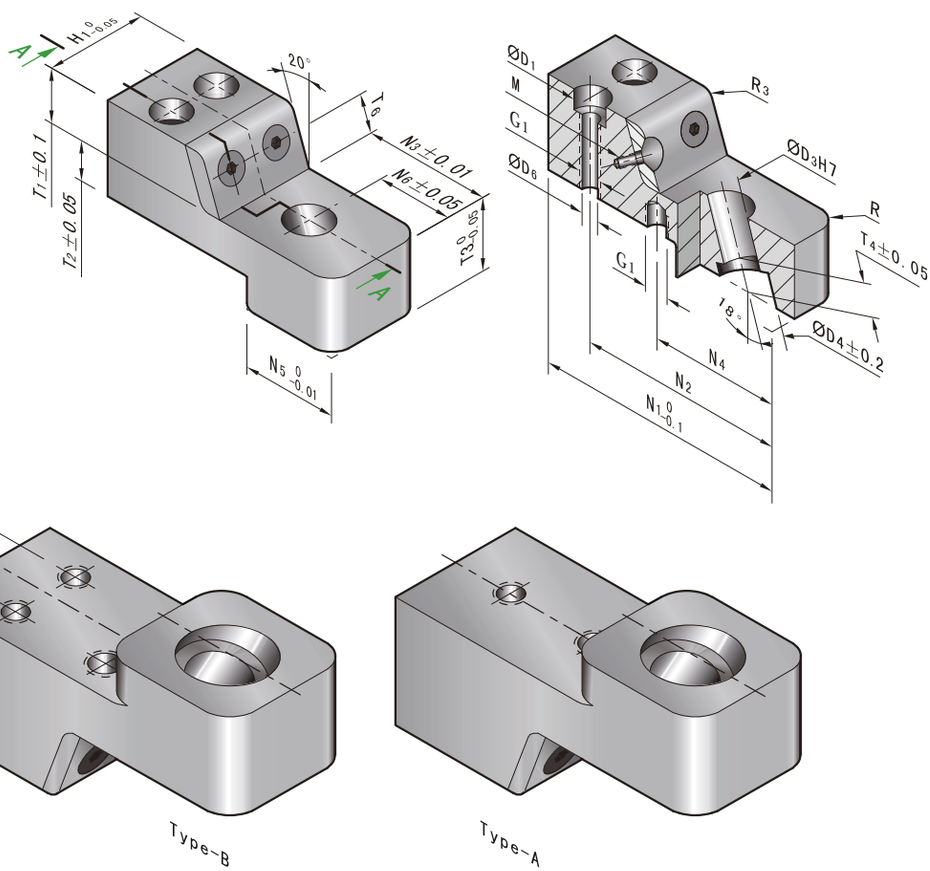
KZZ4211-2

Code	
KZZ4211-1	
KZZ4211-2	

DIN

Locking heels,double sided

KZZ4220



Material:**SKD11** Har :60±2HRC

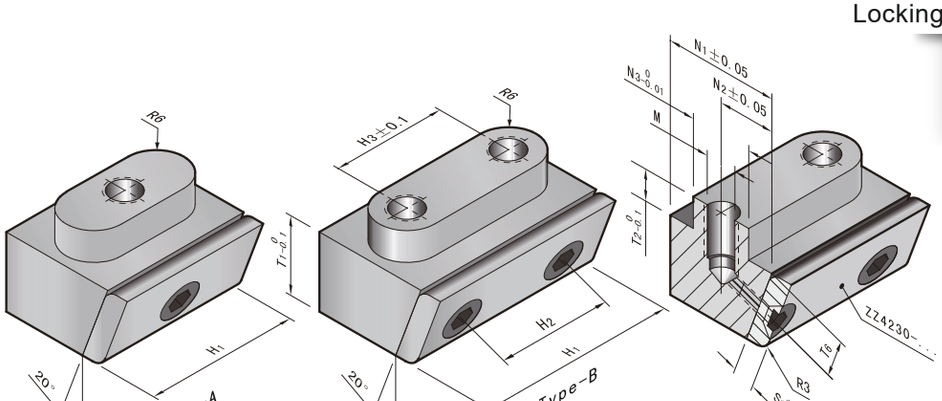
H1	T1	N1	Type	H2	T2	T3	T4	T6	N2	N3	N4	N5
18	15	65	A	-	11	20	3	8	50	25	26	20
23							4					
28		70	B	14			6		57	35	36	30
38				22								
48				32								
58				42								
38	29	82.5		18				15	65	37.5	36.5	
48				28								
58				38								
78		95		44	14	25	8		73	46	49	42
98				64								
35	45	115	A	-	19	33	10	22	94	60	59	47
55			B	28								

Code	N6	D1	D3	D4	D6	R	M	G1	
KZZ4220	14	10	8	11.5	5.3	5	M4	M6	
			10	14.5					
	21		12	17		6			
	22.5	11			6.4		M6	M8	
	28	15	16	21	8.4	8		M10	
	33	18	20	26	10.4			M12	

DIN

Locking heels,double sided

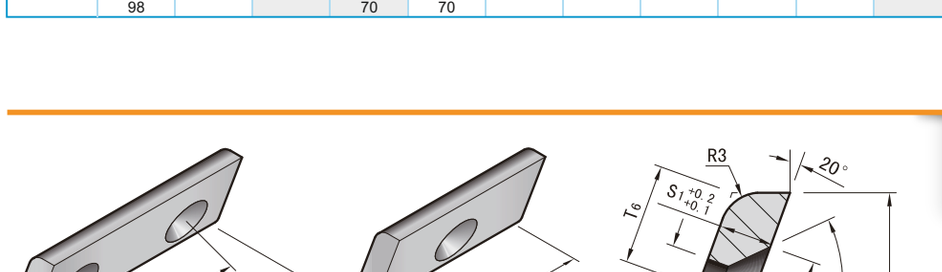
KZZ4222

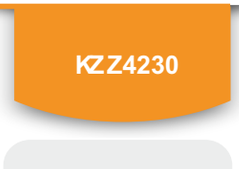


Material:SKD11 Har :60±2HRC

Code	H1	T1	Type	H2	H3	T2	T6	N1	N2	N3	S1	D5	M
KZZ4222	18	15	A	-	4	6	8	22	11	12	4	4.3	M6
	23				9								
	28		B	14	14								
	38			22	22								
	48			32	32								
	58			42	42								
	38	29		18	18	10	15	38.6	18.6	18	6	6.5	
	48			28	28								
	58			38	38								
	78			44	58								M10
	98			64	78								
	35	45	A	-	13	12	22	48.6	21.6	20			
	55		B	28	28								
	78			50	50								
	98			70	70								

KZZ4230



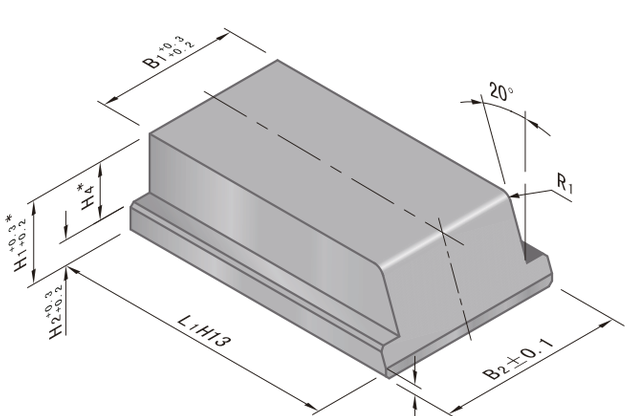


Material:SKD11 Har :60±2HRC

Code	H1	T1	S1	Type	H2	T6	D1	D2
KZZ4230	18	15	4	A	-	8	4.5	9.2
	23							
	28			B	14			
	38				22			
	48				32			
	58				42			
	38	29	6		18	15	6.6	13.7
	48				28			
	58				38			
	78				44			
	98				64			
	35	45		A	-	22		
	55			B	28			
	78				50			
	98				70			

Slides

KZZ180



Material:SKD61 Har :52±2HRC

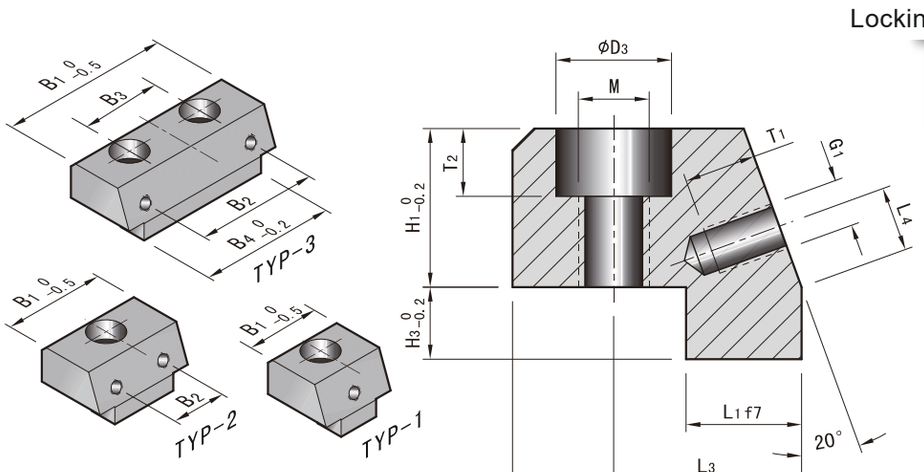
Code	H1	L1	B1	B2	H2	H3	H4	R1	
KZZ180-12× 40× 20	12	40	20	26	4	1.5	8	1.5	
KZZ180-12× 40× 25			25	31					
KZZ180-12× 40× 40			40	46					
KZZ180-12× 40× 63			63	69					
KZZ180-16× 50× 20	16	50	20	26			12		
KZZ180-16× 50× 25			25	31					
KZZ180-16× 50× 40			40	46					
KZZ180-16× 50× 63			63	69					
KZZ180-20× 63× 40	20	63	40	46	5	2	15	2	
KZZ180-20× 63× 63			63	69					
KZZ180-20× 63× 80			80	86					
KZZ180-25× 71× 40	25	71	40	46			20		
KZZ180-25× 71× 63			63	69					
KZZ180-25× 71× 80			80	86					
KZZ180-32×100× 63	32	100	63	71	6	3	26	3	
KZZ180-32×100× 80			80	88					
KZZ180-32×100×100			100	108					
KZZ180-40×100× 63	40		63	71			34		
KZZ180-40×100× 80			80	88					
KZZ180-40×100×100			100	108					
KZZ180-50×112× 80	50	112	80	90	8	4	42	4	
KZZ180-50×112×100			100	110					
KZZ180-50×112×125			125	135					
KZZ180-63×112× 80	63		80	90			55		
KZZ180-63×112×100			100	110					
KZZ180-63×112×125			125	135					

KONEK PSN

DIN

Locking heels,double sided

KZZ1820



Material:SKD11 Har :58±2HRC

Code	ZZ180-... H1	B1	H1	H3	L1	L2	L3	L4	d3	
KZZ1820-12×18	12	18	11	5	8	20	13	4.5	10	
KZZ1820-12×22		22								
KZZ1820-12×30		30								
KZZ1820-12×50		50								
KZZ1820-16×18	16	18	15		10	25	17	7	11	
KZZ1820-16×22		22								
KZZ1820-16×30		30								
KZZ1820-16×50		50								
KZZ1820-20×30	20	30	19	6	12	32	20	10	15	
KZZ1820-20×38		38								
KZZ1820-20×53		53								
KZZ1820-25×30	25	30	24	8		40	25	13		
KZZ1820-25×38		38								
KZZ1820-25×53		53								
KZZ1820-32×38	32	38	31	9	16	45	28	17		
KZZ1820-32×50		50								
KZZ1820-32×71		71								
KZZ1820-40×38	40	38	39	11		50	30	21		
KZZ1820-40×50		50								
KZZ1820-40×71		71								
KZZ1820-50×50	50	50	49	14	20	56	34	26	18	
KZZ1820-50×63		63								
KZZ1820-50×85		85								

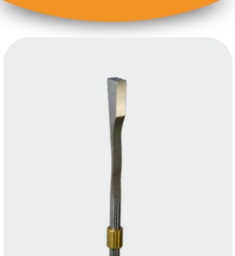
Material:SKD11 Har :58±2HRC

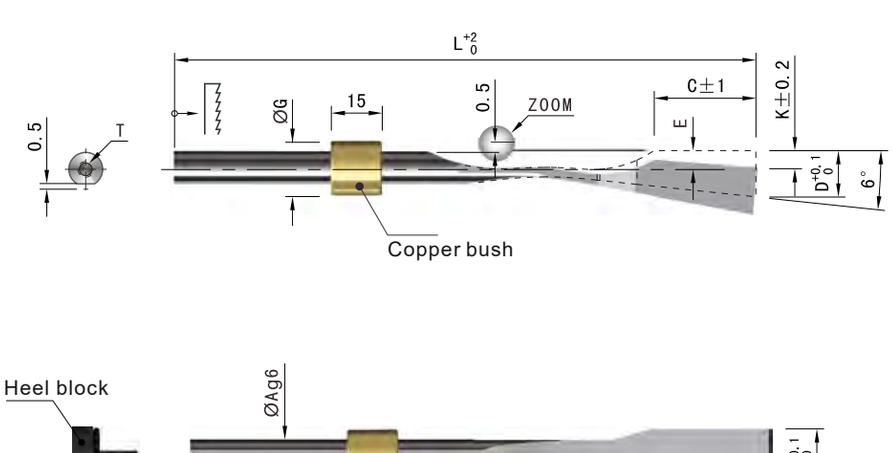
Code	B2	B3	B4	T1	T2	Typ	M	G1	
KZZ1820-12×18	-	-	10	5	5.7	1	M 6	M4	
KZZ1820-12×22			12						
KZZ1820-12×30	16		20			2			
KZZ1820-12×50	36	24	40			3			
KZZ1820-16×18	-	-	10	7	6.8	1	M 8		
KZZ1820-16×22			12						
KZZ1820-16×30	16		18			2			
KZZ1820-16×50	36	24	38			3			
KZZ1820-20×30	16	-	16		9	2	M10		
KZZ1820-20×38	24		24						
KZZ1820-20×53	39	25	39			3			
KZZ1820-25×30	16	-	16			2			
KZZ1820-25×38	24		24						
KZZ1820-25×53	39	25	39			3			
KZZ1820-32×38	18	-	20	10		2		M6	
KZZ1820-32×50	30	20	32			3			
KZZ1820-32×71	51	35	53						
KZZ1820-40×38	18	-	20			2			
KZZ1820-40×50	30	20	32			3			
KZZ1820-40×71	51	39	53						
KZZ1820-50×50	30	-	28		11	2	M12		
KZZ1820-50×63	43	30	41			3			
KZZ1820-50×85	65	45	63						

DIN

Sprung cores

KPPW





Feature:
1.Simple structure, small installation space, only same as ejector pin size.
2.Easy to install, simplify processing procedure and save cost.
3.Can use it lonely or two pcs to use together.
4.Each code of the sprung core have pad and installed screw.
5. 30 ending code of lengthening sprung core have brass bush.

Code	A	B	C	D	E	G	K	L	M	N	R	U	V	T	W	
KPPW-060622	6	6.2	22	9	3.5	-	3.5	125	16	18	1.25	12	5	M4×36	M4×16	
KPPW-060630			30	10		12	4.5	175	20	26						
KPPW-060822		8.2	22	9		-	3.5	125	16	18						
KPPW-060830			30	10		12	4.5	175	20	26						
KPPW-080825	8	10.2	25	11.5	4.5	-		140	18	21	2	14	6	M5×36	M5×16	
KPPW-081025																
KPPW-081030			30	11.2		12		175	20	26						
KPPW-081225		12.2	25	11.5		-		140	18	21						
KPPW-081230			30	11.2		12		175	20	26						
KPPW-101430	10	14.2		13.6	5.5	16	5.5				2.5	18	8	M6×36	M6×16	
KPPW-101630		16.2														
KPPW-101830		18.2														

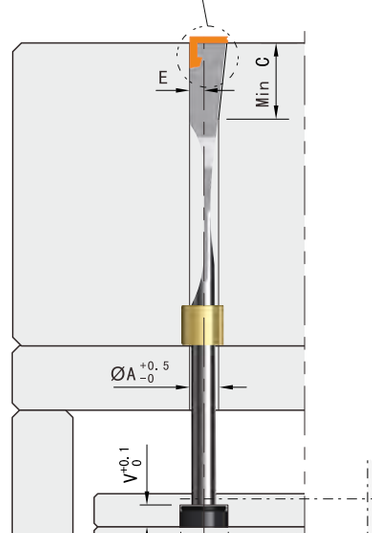
1.When standard parts can't meet real demand, our company can design nonstandard sprung core.
2.If need us to design nonstandard sprung core, please provide plastic products 3D or mould drawing.
3.Any doubt, welcome inquiry us!

DIN

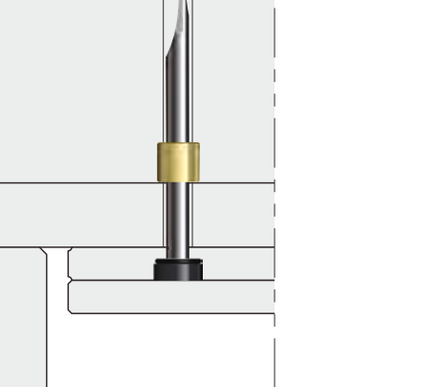
Sprung cores

Installation Guidelines:

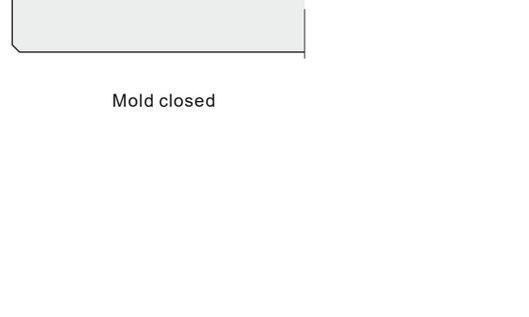
- In order to sure release smoothly,suggest barb position do corresponading withdrawal gradient.
- Sprung core gradient (the reverse side of rubber position) and core completely plying-up(Guarantee plying -up length C value)
- If sprung core too length when install it, can cut off from end, (after cutting off to locking screw depth corresponading is shallow, if cut off long length, need nonstandard custom made)



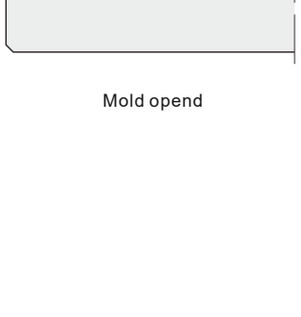
Max.forming position size.



Function chart:



Mold closed

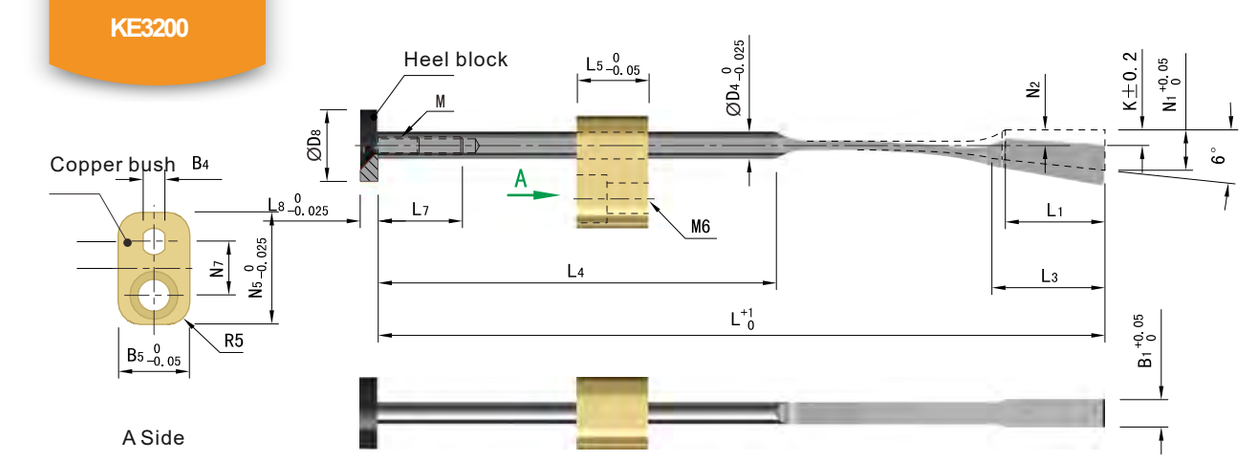


Mold opend

DIN

Sprung cores

KE3200



Feature:
1.Simple structure, small installation space, only same as ejector pin size.
2.Easy to install, simplify processing procedure and save cost.
3.Can use it lonely or two pcs to use together .Match use together refer to code EE3202.
4.Each code of the sprung core have pad and installed screw.
5. 30 ending code of lengthening sprung core have brass bush.

B1	N1	L	L1	L3	L4	L5	L7	L8	N2	K
6.2 8.2	9	162	22	24.3	88	16	19	4	3.5	3.5
10.2 12.2	11.5	200	26	30	111				4.5	4.5
14.2 16.2	12.5		30	33.1	107					

Code	B4	B5	D4	D8	N5	N6	N7	M	@¥/P
KEE3200- 6- 9.0-162	4.83	16	5.94	16	25	6	12	M4	
KEE3200- 8- 9.0-162	5.08		6.35						
KEE3200-10-11.5-200 KEE3200-12-11.5-200 KEE3200-14-12.5-200 KEE3200-16-12.5-200	7.37		7.92					M5	

1.When standard parts can't meet real demand, our company can design nonstandard sprung core.
2.If need us to design nonstandard sprung core, please provide plastic products 3D or mould drawing.
3.Any doubt, welcome inquiry us!

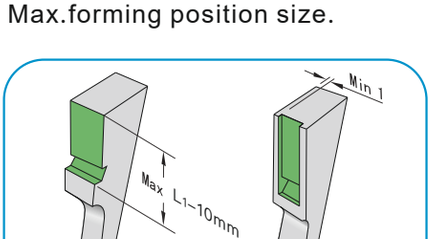
DIN

Sprung cores

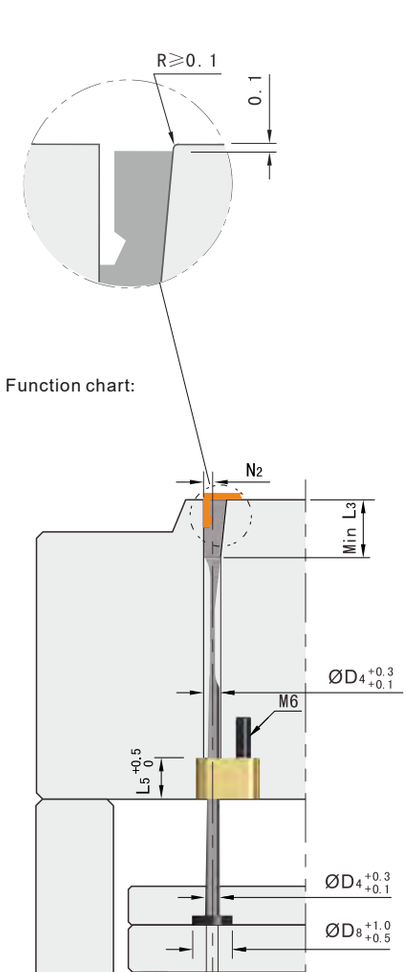
Installation Guidelines:

- Install in mould core, must be sure sprung core gradient (the reverse side of rubber position) and core completely plying-up(Guarantee plying -up length L3 value).
- Sprung core stroke K value is show sprung core max highest stroke after completely spray, From max highest the value corresponading became smaller
- All holes position processing and joint face turn into right angle.
- In order to sure release smoothly, suggest barb position do corresponding withdrawal gradient.
- Nonstandard custom made.

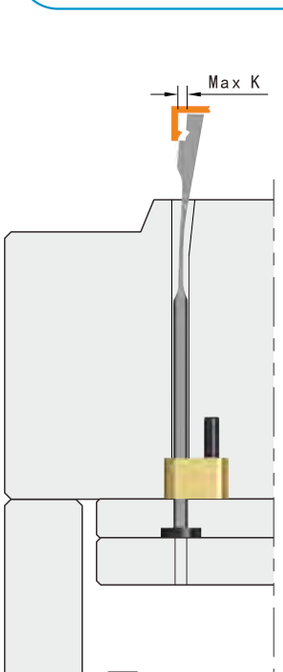
Max.forming position size.



Function chart:



Mold closed

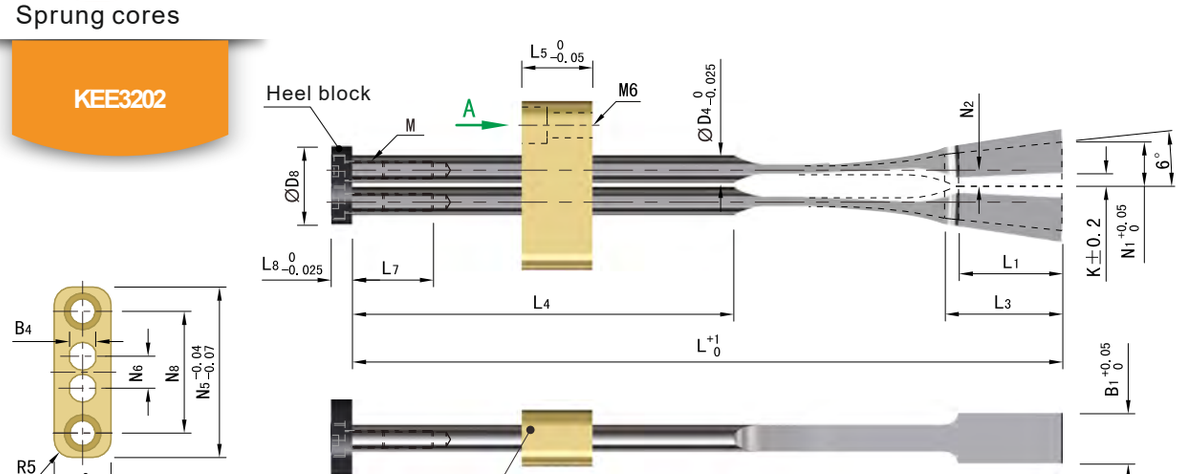


Mold opend

DIN

Sprung cores

KEE3202



Feature:
1.Simple structure, small installation space, only same as ejector pin size.
2.Easy to install, simplify processing procedure and save cost.
3.Each code of the sprung core have pad and installed screw.
4.Two pieces use together can come true double face or more faces barb release mould.

B1	N1	L	L1	L3	L4	L5	L7	L8	N2	L2	N5	N6
6.2	9	162	22	24.3	88	20	19	6	3.5	12.5	45	7
12.2	11.5	200	26	30.0	111				4.5	16.5	48	9
14.2	12.5		30	33.1	107					20		
16.2												

Code	B4	B5	D4	D8	N7	N8	K	M	
KEE3202- 6- 9.0-162	4.83	16	5.94	20	13	32.3	3.5	M4	
KEE3202-12-11.5-200	7.37		7.92	22	17	34.3	4.5	M5	
KEE3202-14-12.5-200									
KEE3202-16-12.5-200									

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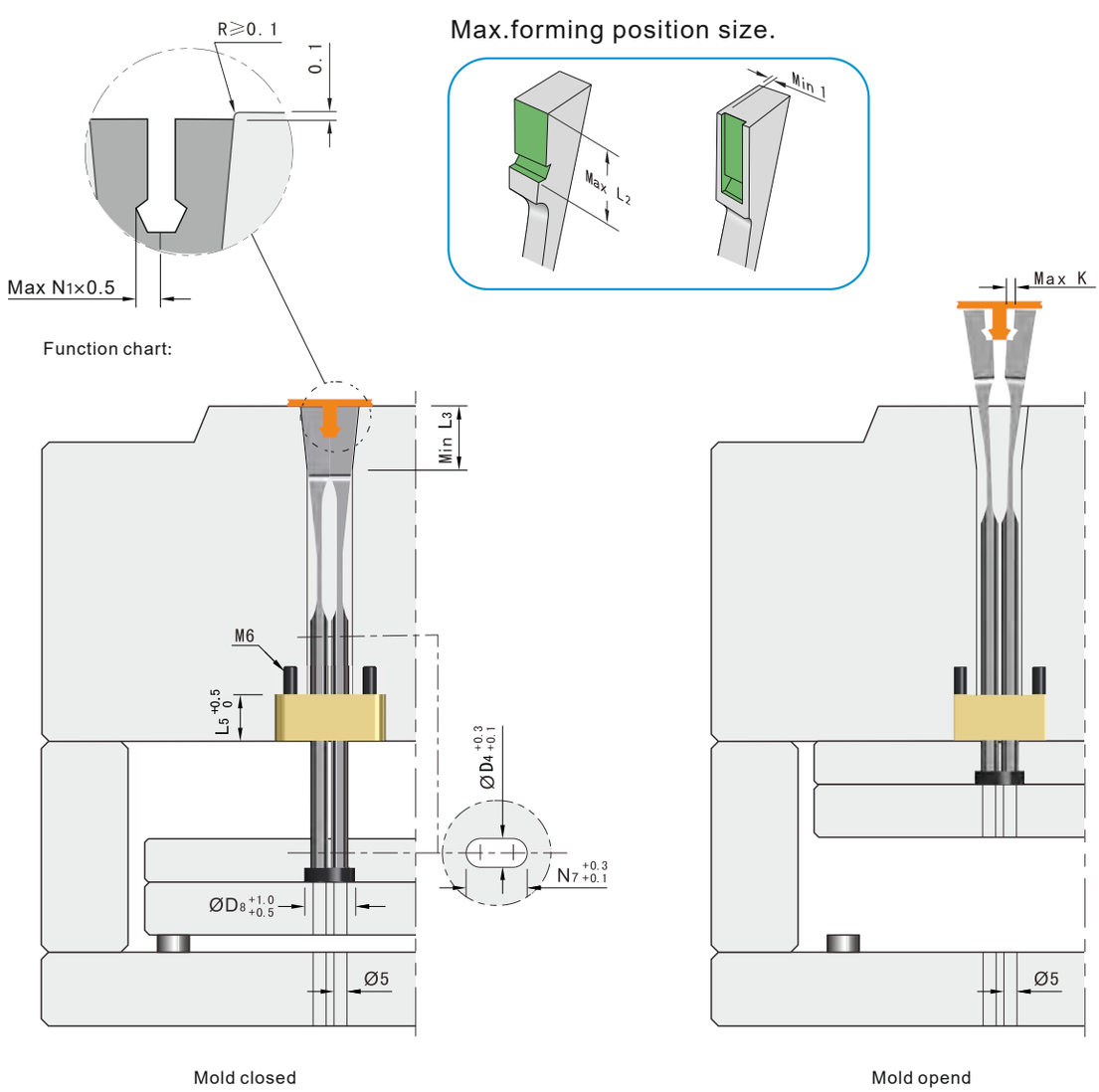
2.If need us to design nonstandard sprung core, please provide plastic products 3D or mould drawing.
3.Any doubt, welcome inquiry us!

DIN

Sprung cores

Installation Guidelines:

- Install in mould core, must be sure sprung core gradient (the reverse side of rubber position) and core completely plying-up(Guarantee plying -up length L3 value).
- Sprung core stroke K value is show sprung core max highest stroke after completely spray, From max highest the value corresponading became smaller
- All holes position processing and joint face turn into right angle.
- In order to sure release smoothly, suggest barb position do corresponding withdrawal gradient.
- Nonstandard custom made.



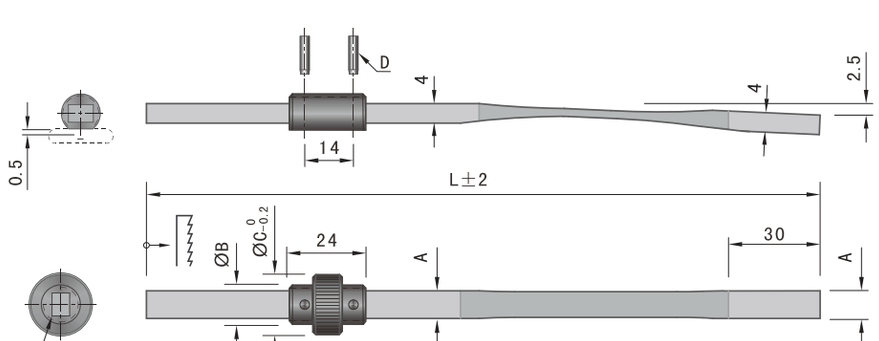
Mold closed

Mold opend

DIN

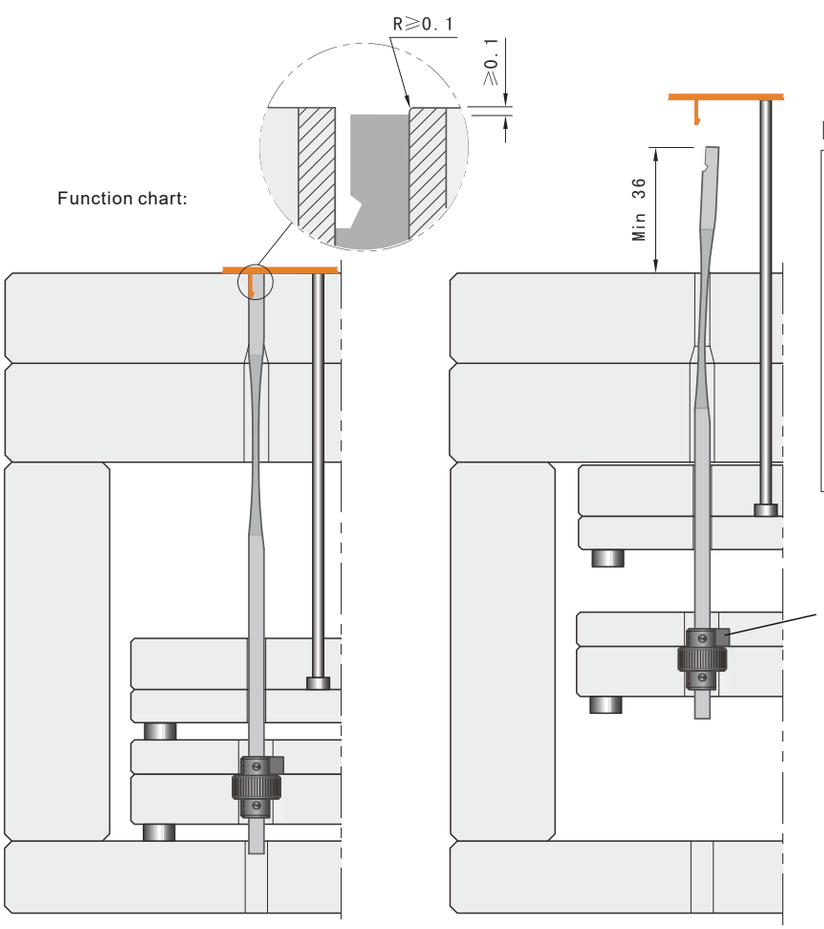
Sprung cores

KPPF



Code	A	ØB	C	ØD	L	
KPPF-06	6	M10×0.75	16	Ø3× 8	150	
KPPF-08	8	M12×0.75	18	Ø4×10		
KPPF-10	10	M14×0.75	20	Ø4×12	200	
KPPF-12	12	M16×0.75	22	Ø4×14		

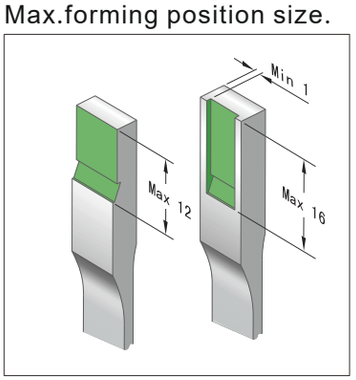
Function chart:



Mold closed

Mold opend

Max.forming position size.



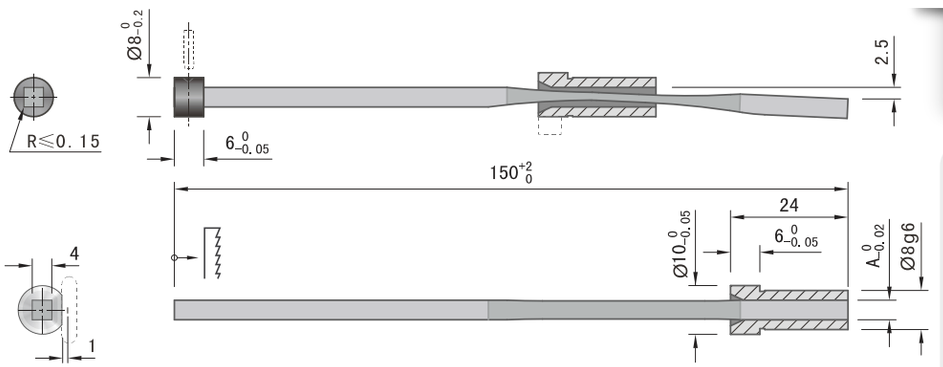
·No this heel block, have to processing and match to do by oneself.

·Function:when sprung core completely ejector,prevent sprung core unexpected move to break.

DIN

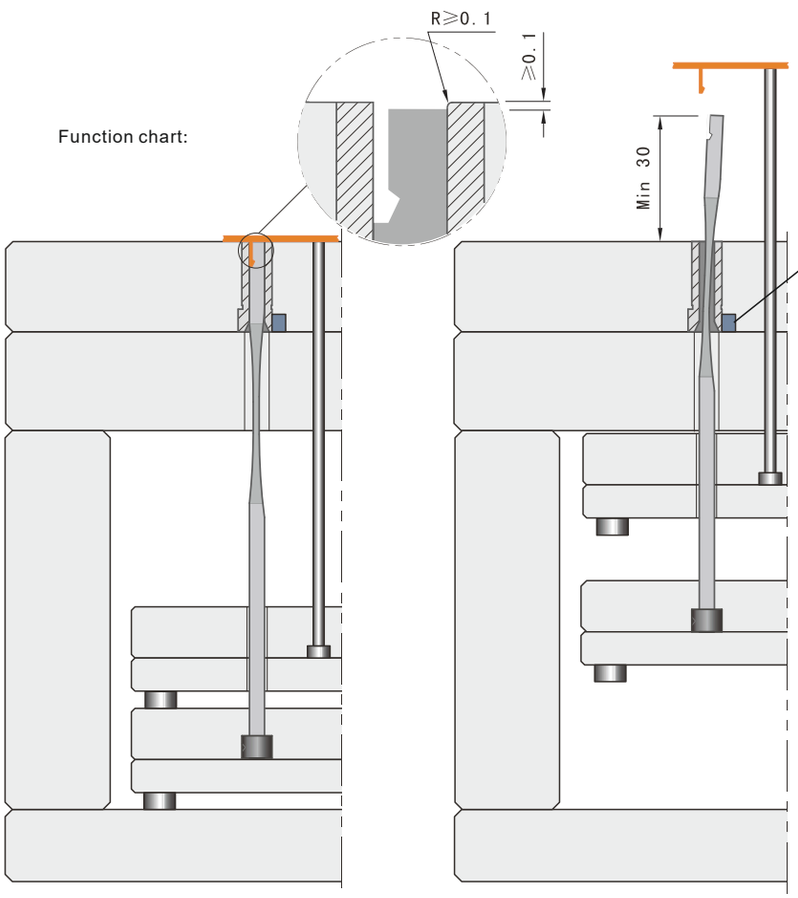
Sprung cores

KMMP



Code	A	
KMMP-044150	4	
KMMP-054150	5	

Function chart:



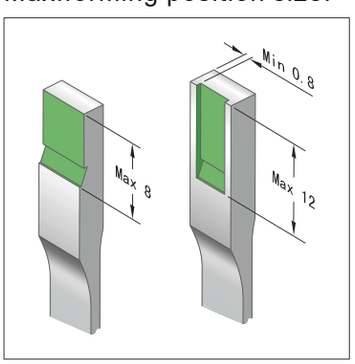
Mold closed

Mold opend

·No this pad, have to processing and match to do by oneself.

·Function:when sprung core completely ejector,prevent sprung core unexpected move to break.

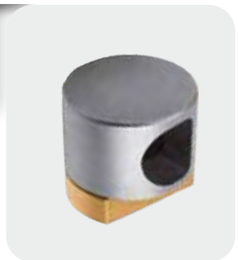
Max.forming position size.



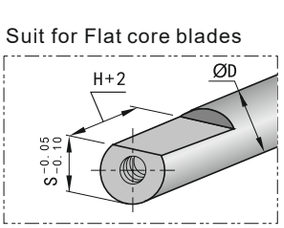
DIN

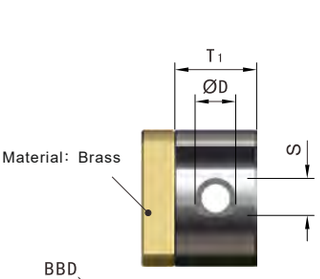
Slide core units

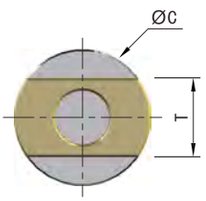
KDDF

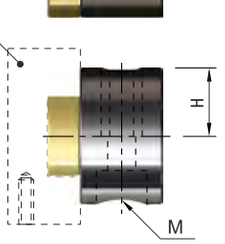


Suit for Flat core blades









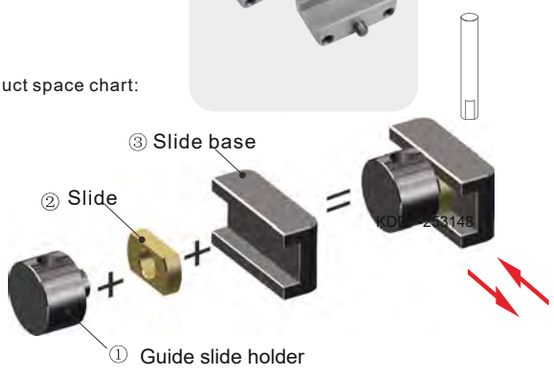
Feature:
1. Slide parts adopt high strength brass made, durable in use.
2. Safety and stable fixed angle bar, same ejector pin plate usage space.

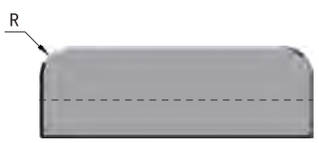
Material:SKD61 Har :51±3HRC

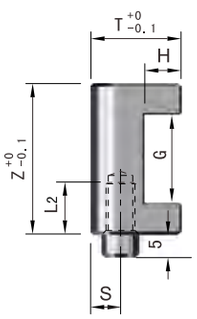
Code	D	T1	C	T	H	S	M
KDDF-061220	6	12	20	11.5	10	5.5	M 4×12
KDDF-081220	8					7.5	M 5×12
KDDF-101624	10	16	24	13.5	12	9.5	M 6×16
KDDF-121624	12					11	M 8×16
KDDF-162032	16	20	32	19	16	14.5	M 8×22
KDDF-202538	20	25	38	21	19	18.5	M10×25
KDDF-253148	25	31	48	28	24	23	M12×35

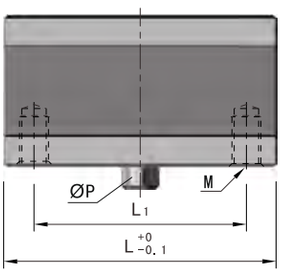
KBBD

Product space chart:









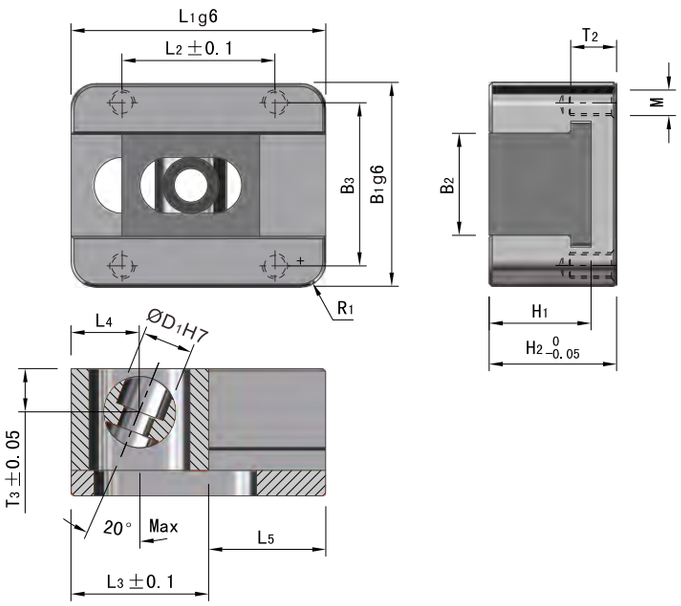
Material:S45C Hard :≈45HRC

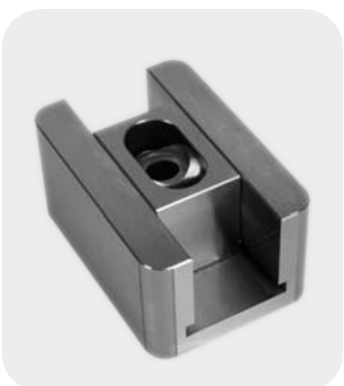
Code	T	Z	L	S	H	G	L2	P	R	L1	M
KBBD-122036	12	20	36	4	4.8	11.5	10	Ø 5×12	4	28	M 5
KBBD-142266	14	22	66		6.3					42	
KBBD-162440	16	24	40	5		13.5	12	Ø 6×14	5	30	M 6
KBBD-203260	20	32	60		8.3	19	15			44	
KBBD-253872	25	38	72	7	10.3	21	18	Ø 8×18	6	56	M 8
KBBD-314890	31	48	90	8	13.3	28		Ø10×28	8	74	M10

DIN

Slide core units

KZZ1811

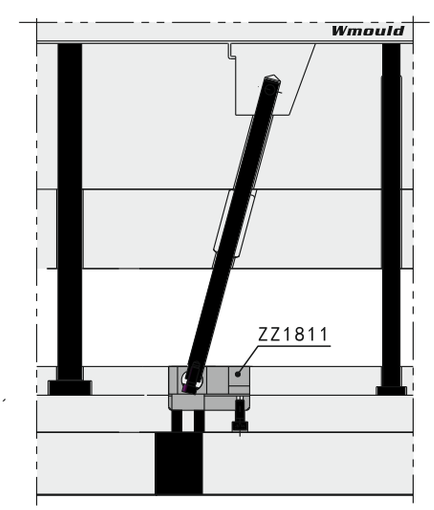




D1	B1	B2	B3	H1	H2	L1	L2	L3	L4
10	40	20	32	20	25	50	30	27	13.5
14	48	25	39	28	35	70	50	35	17.5

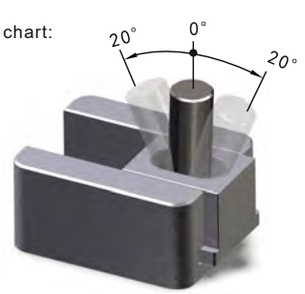
Code	D1	L5	T2	T3	R1	M	
KZZ1811-10	10	23	10	8.5	5	M5	
KZZ1811-14	14	35	12	12.5	6	M6	

Installation Diagram:



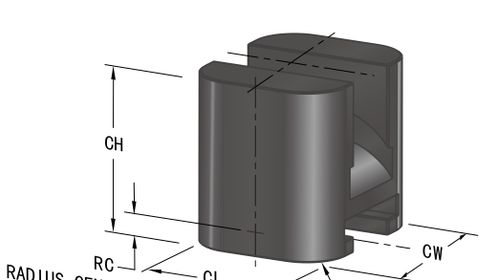
Feature:
1.Compare with DTK, KOCU-F etc slide units, the ZZ1811 with more flexibility and can work from 0-20°.
2.Simple structure and easy to install.

Product space chart:



AISI

Slide core units



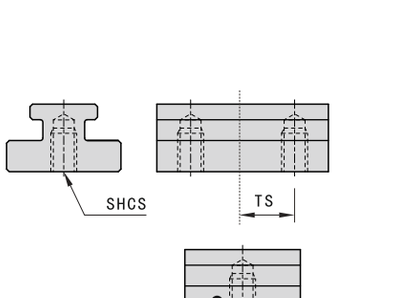
KUULC

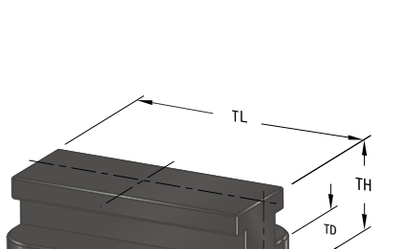
Material:SKD61 Surface:900HV Har :40-44HRC

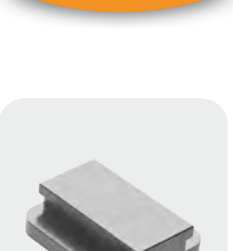
Code(Inch)	CW	CL	CH	RC	R	Series	
KUULCM- 50	0.5	0.437	0.625	0.125	0.25	0.25	
KUULCU- 87	0.875	0.75	0.875	0.187	0.406	0.5	
KUULCX-175	1.75	1.5	1.656	0.125	0.875	1	

Code(Meteic)	CW	CL	CH	RC	R	Series	
KUULCMM-22	22	18	25	6	10	10	

KUULG







Material:SKD61 Surface:900HV Har :40-44HRC

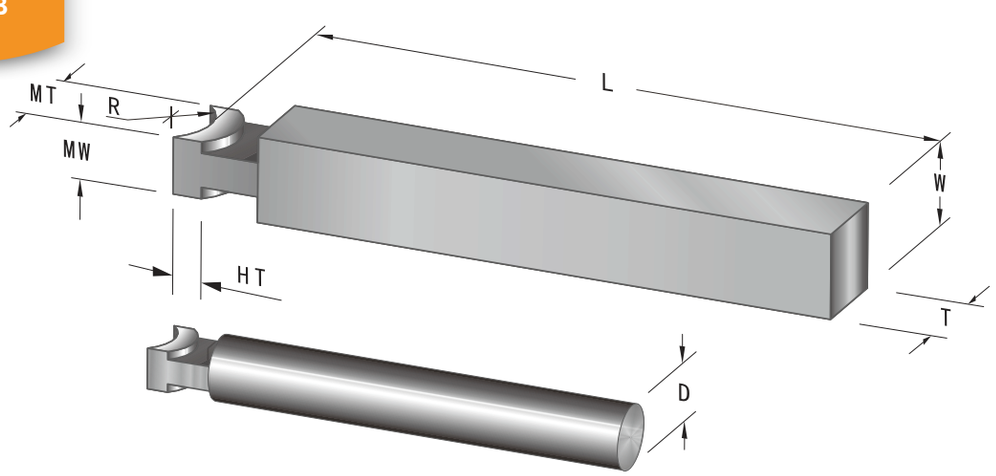
Code(Inch)	TS	TL $^{+0.000}_{-0.010}$	TW $^{+0.000}_{-0.001}$	TH $^{+0.010}_{-0.000}$	TD $^{+0.010}_{-0.000}$	TR	Series	SHCS (Included)	Travel Allowed	
KUULGM- 31	-	0.75	0.5	0.5	0.344	0.094	0.25	#10-32×1"	5/16	
KUULGM-100	0.5	1.5							1 1/6	
KUULGU- 25	-	1	0.875	0.468	0.219	0.188	0.5	1/4-20×3/4	1/ 4	
KUULGU- 50	0.375	1.25							1/ 2	
KUULGU-100	0.625	1.75							1"	
KUULGU-150	0.75	2.25							1 1/2	
KUULG - 50	0.625	2	1.75	0.625	0.25	0.313	1	3/8-16×1 1/4	1/ 2	
KUULG - 100	0.875	2.5							1"	
KUULG - 250	1.375	4							2 1/2	

Code(Meteic)	TS	TL $^{+0.000}_{-0.025}$	TW $^{+0.000}_{-0.025}$	TH $^{+0.25}_{-0.00}$	TD $^{+0.25}_{-0.00}$	TR	Series	Shcs (Included)	Travel Allowed	
KUULGMM-10	10	33	22	13	6	5	10	M-5×20	10	
KUULGMM-30	15	52							30	

AISI

Flat core blades

KUULB



Material:SKD61 Har :38-42HRC

Code(Inch)	T $^{+0.010}_{-0.000}$	W $^{+0.010}_{-0.000}$	L	HT	R	Series (MW)	MT (Min. Thk.)	
KUULBM-37×25-L8	3/8	1/4	8"	0.156	0.25	0.25	0.25	
KUULBM-50×25-L8	1/2						0.312	
KUULBM-75×37-L8	3/4	3/8						
KUULBU-50×50-L8	1/2	1/2		0.187	0.406	0.5	0.5	
KUULBU-50×50-L14			14"					
KUULBU-50×100-L8		1"	8"					
KUULBU-50×100-L14			14"					
KUULBU-100×50-L8	1"	1/2	8"					
KUULBU-100×50-L14			14"					
KUULBU-150×50-L8	$1^{1}/_{2}$		8"					
KUULBU-150×50-L14			14"					
KUULBU-75×150-L8	3/4	$1^{1}/_{2}$	8"				0.625	
KUULBU-75×150-L14			14"					
KUULBU-150×75-L8	$1^{1}/_{2}$	3/4	8"					
KUULBU-150×75-L14			14"					
KUULB×100×150-L10	1"	$1^{1}/_{2}$	10"	0.375	0.875	1	1	
KUULB-100×150-L18			18"					
KUULB-100×100-L10		1"	10"					
KUULB-100×100-L18			18"					
KUULB-150×100-L10	$1^{1}/_{2}$		10"					
KUULB-150×100-L18			18"					

Code(Meteic)	T $^{+0.025}_{-0.000}$	W $^{+0.025}_{-0.000}$	L	HT	R	Series (MW)	MT (Min. Thk.)	
KUULBMM-10×10-L250	10	10	250	0.5	10	10	10	
KUULBMM-15×15-L250	15	15					15	
KUULBMM-20×20-L400	20	20	400				20	

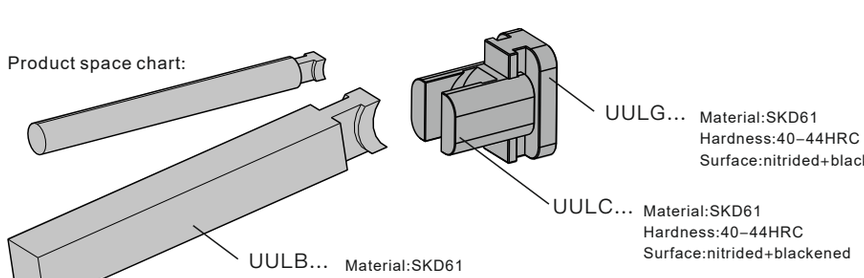
Code(Inch)	D $^{+0.000}_{-0.001}$	L	R	HT	Series (MW)	MT (Min. Thk.)	
KUULBM-43D - L8	Ø7/16	8"	0.25	0.156	0.25	0.312	
KUULBU-75D - L8	Ø3/ 4	14"	0.406	0.187	0.5	0.5	
KUULBU-75D -L14		18"					
KUULBU-75D -L18		10"					
KUULBX-125D-L10	Ø$1^{1}/_{4}$	18"	0.875	0.375	1	1	
KUULBX-125D-L18							

Code(Meteic)	D $^{+0.000}_{-0.025}$	L	R	HT	Series (MW)	MT (Min. Thk.)	
KUULBMM-15D-L250	Ø15	250	10	5	10	10	

AISI

Slide core units

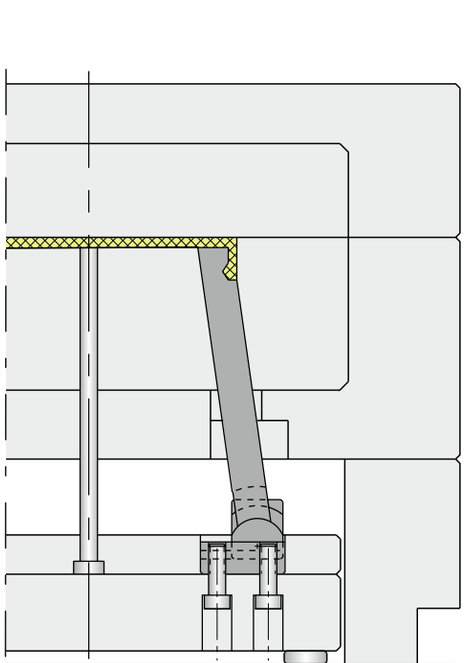
Product space chart:



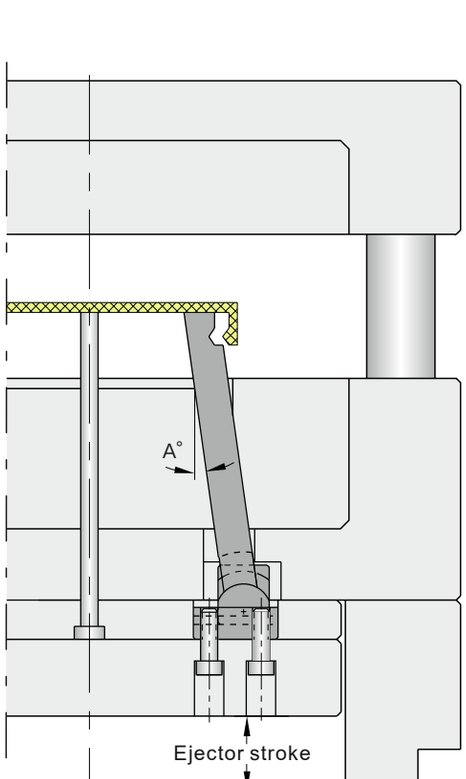
Installation Guidelines:

- Slide device have slide core unit , slide block , angle bar three parts.
- Use head cap screw to fixed slide core unit on ejector pin board.
- Suggest installation usage degree 5°-10° , match space 0.025-0.038mm.
- Accept nonstandard custom made length of angle bar.

Function chart:



Mold closed



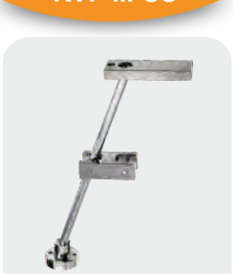
Mold opend

KONEK PSN

AISI

Slide core units

KVF-...-SS
KVF-...-JS
KVF-...-US

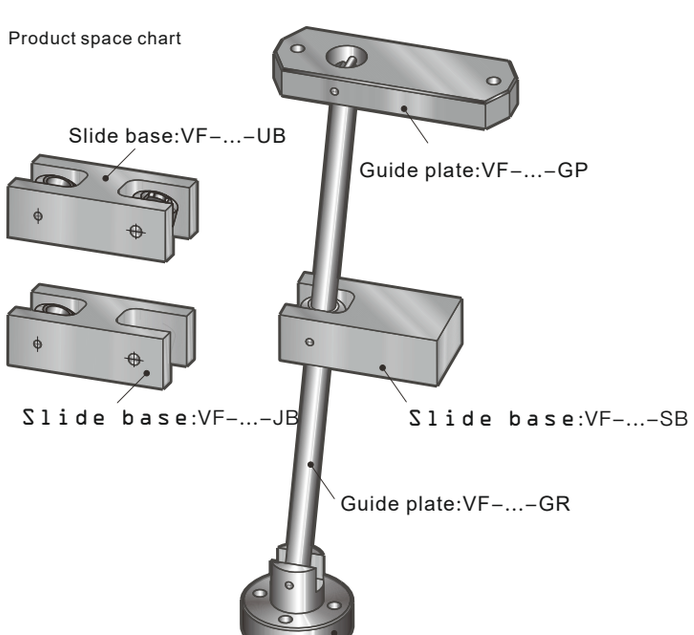


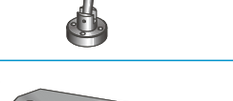
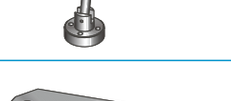
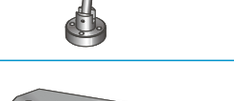
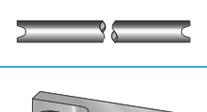
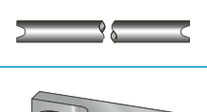
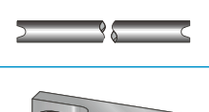
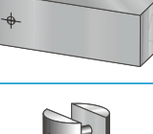
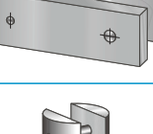
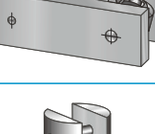
Code	
KVF-06-SS	
KVF-08-SS	
KVF-10-SS	
VF-13-SS	
KVF-16-SS	
KVF-20-SS	

Code	
KVF-06-JS	
KVF-08-JS	
KVF-10-JS	
KVF-13-JS	
KVF-16-JS	
KVF-20-JS	

Code	
KVF-06-US	
KVF-08-US	
KVF-10-US	
KVF-13-US	
KVF-16-US	
KVF-20-US	

Product space chart

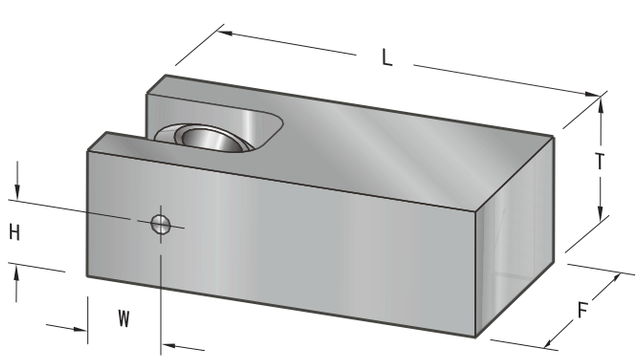


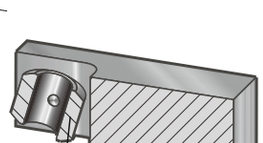
KVF-...-SS: 	KVF-...-JS: 	KVF-...-US: 
GP 	GP 	GP 
GR 	GR 	GR 
SB 	JB 	UB 
HB 	HB 	HB 

AISI

Slide core units

KVF-...-SB



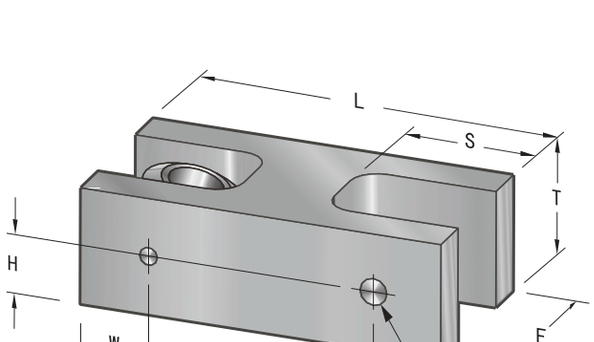


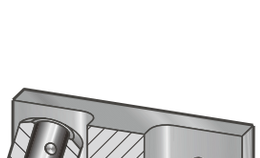
Materials:SKD61
Hardness:48–52HRC

Material:**P20** Hardn :28-32HRC

Symbol	KVF-06-SB	KVF-08-SB	KVF-10-SB	KVF-13-SB	KVF-16-SB	KVF-20-SB	
T	13 0/-0.02	15 0/-0.02	20 0/-0.03	25 0/-0.03	30 0/-0.05	40 0/-0.05	
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	50 0/-0.05	60 0/-0.05	
L	40	50	60	80	100	130	
H	6.5	7.5	10	12.5	15	20	
W	7.5	10	12.5	15	20	25	

KVF-...-JB





Materials:SKD61
Hardness:48–52HRC

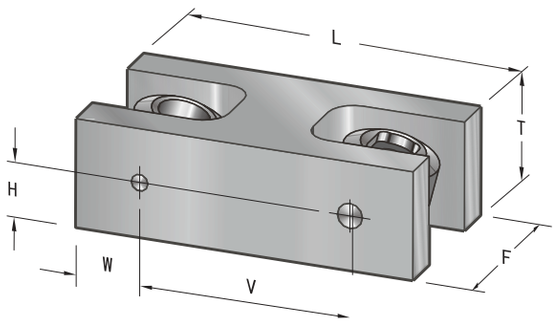
Material:**P20** Hardn :28-32HRC

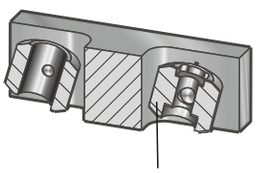
Symbol	VF-06-JB	VF-08-JB	VF-10-JB	VF-13-JB	VF-16-JB	VF-20-JB	
T	13 0/-0.02	15 0/-0.02	20 0/-0.03	25 0/-0.03	30 0/-0.05	40 0/-0.05	
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	50 0/-0.05	60 0/-0.05	
L	40	50	60	80	100	130	
S	15	20	25	30	40	50	
H	6.5	7.5	10	12.5	15	20	
W	7.5	10	12.5	15	20	25	
V	25	30	35	50	60	80	
M	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	

AISI

Slide core units

KVF-...-UB



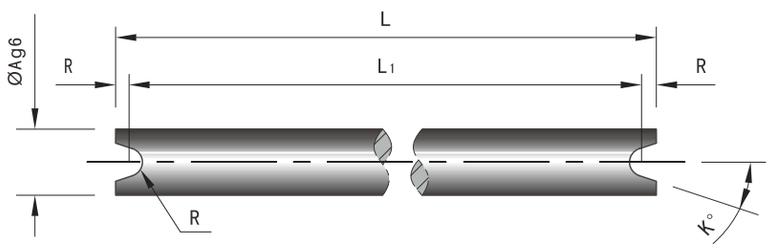


Materials:SKD61
Hardness:48–52HRC

Material:**P20** Hardn :28-32HRC

Symbol	KVF-06-UB	KVF-08-UB	KVF-10-UB	KVF-13-UB	KVF-16-UB	KVF-20-UB
T	13 0/-0.02	15 0/-0.02	20 0/-0.03	25 0/-0.03	30 0/-0.05	40 0/-0.05
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	50 0/-0.05	60 0/-0.05
L	40	50	60	80	100	130
H	6.5	7.5	10	12.5	15	20
W	7.5	10	12.5	15	20	25
V	25	30	35	50	60	80

KVF-...-GR



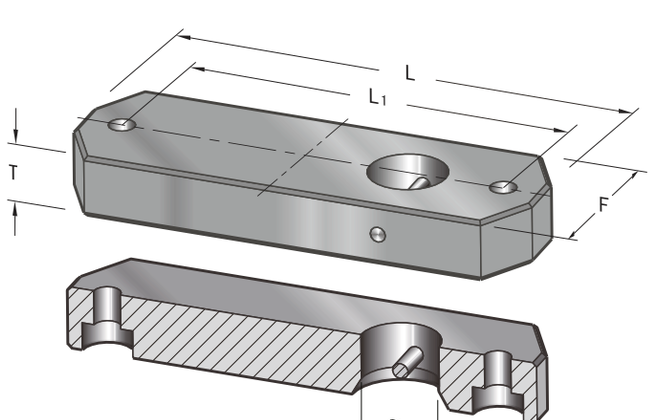
Material:**SUJ2** Hard :58-62HRC

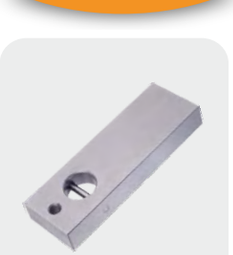
Symbol	KVF-06-GR	KVF-08-GR	KVF-10-GR	KVF-13-GR	KVF-16-GR	KVF-20-GR
A^{g6}	Ø6 -0.004/-0.012	Ø8 -0.005/-0.014	Ø10 -0.005/-0.014	Ø13 -0.006/-0.017	Ø16 -0.006/-0.017	Ø20 -0.007/-0.020
L	150	190	250	310	370	500
L_1	L_1	L_1	L_1	L_1	L_1	L_1
R	1 +0.02/0	1.5 +0.02/0	2 +0.03/0	2.5 +0.03/0	3 +0.05/0	3.5 +0.05/0
K°			30° Max			

AISI

Slide core units

KVF-...-GP

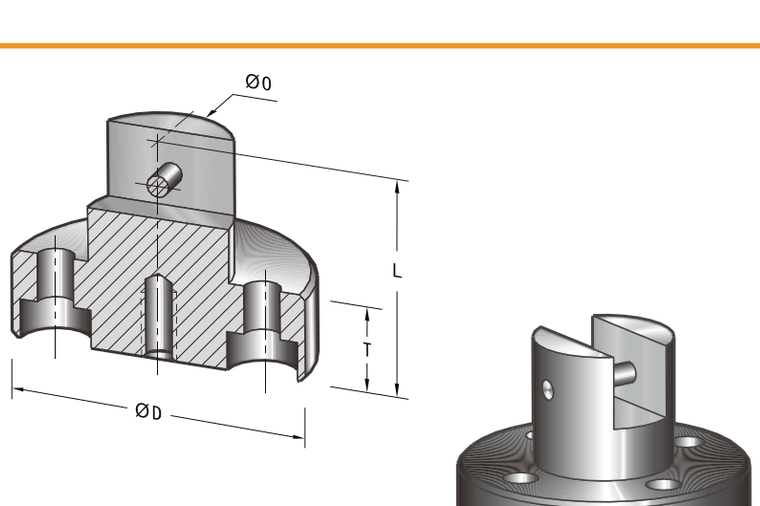


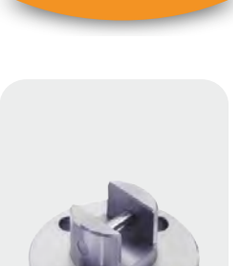


Material:P20 Hardness:28-32HRC

Symbol	KVF-06-GP	KVF-08-GP	KVF-10-GP	KVF-13-GP	KVF-16-GP	KVF-20-GP	
T	8 0/-0.02	10 0/-0.02	12 0/-0.03	15 0/-0.03	20 0/-0.05	25 0/-0.05	
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	500/-0.05	60 0/-0.05	
L	60 0/-0.04	70 0/-0.04	90 0/-0.06	120 0/-0.06	150 0/-0.1	180 0/-0.1	
L_1	50	60	75	105	130	155	
S	Ø10	Ø13	Ø16	Ø20	Ø25	Ø30	

KVF-...-HB





Material:P20 Hardness:28-32HRC

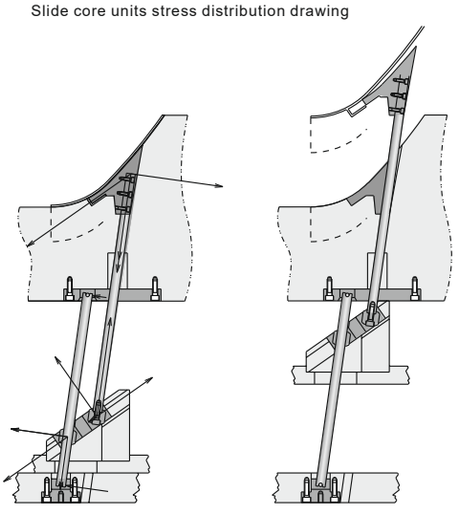
Symbol	KVF-06-HB	KVF-08-HB	KVF-10-HB	KVF-13-HB	KVF-16-HB	KVF-20-HB	
O	Ø13 0/-0.05	Ø16 0/-0.05	Ø20 0/-0.07	Ø25 0/-0.07	Ø32 0/-0.1	Ø40 0/-0.1	
L	20	25	30	35	40	50	
D	Ø27 0/-0.2	Ø34 0/-0.2	Ø42 0/-0.3	Ø51 0/-0.3	Ø65 0/-0.5	Ø80 0/-0.5	
T	8 -0.1/-0.2	10 -0.1/-0.2	12 -0.1/-0.3	15 -0.1/-0.3	18 -0.1/-0.5	22 -0.1/-0.5	

AISI

Slide core units

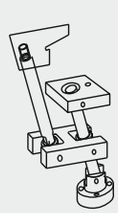
KVF-...-SS
KVF-...-JS
KVF-...-US

Slide core units stress distribution drawing

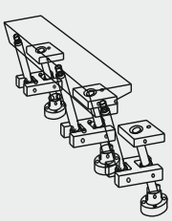


Feature:

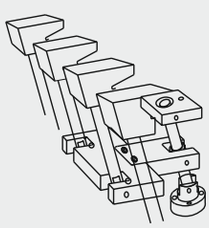
1.Degree and ejector stroke will can't limit movement of slide unit, movement reliable and steady.
2.Products design large degree of freedom avoid reinforcing,convex plate, curved surface shape side groove to interfere.
3.Have enough adiabatic expansion space .
4.Easy to processing ,easy assembly and disassembly, no bending moment.
5.extensively use in small type precision mould and super-weight mould. single rank, paratactic, alternate rank. directly rank ect various combination to meet different demand.



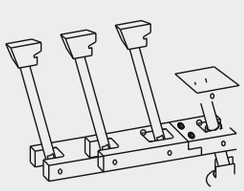
Drawing 1:single



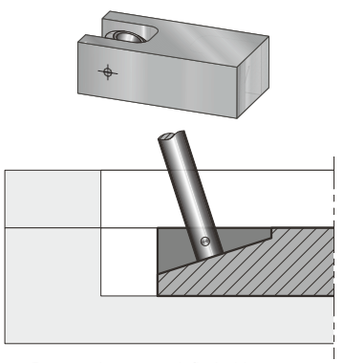
Drawing 2:side by side



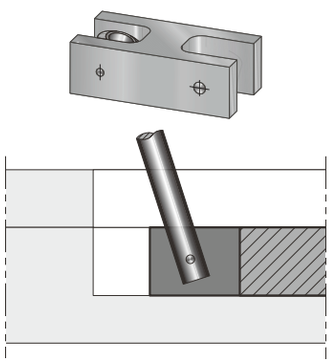
Drawing 3:double side by sidegle



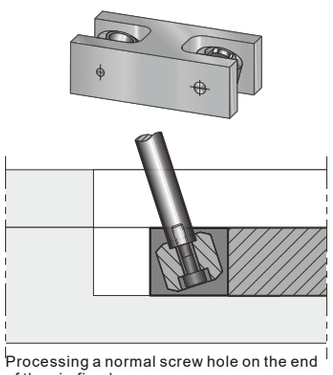
Drawing 4:straight line



Reserved space,satisfied with customer's special processing requirements



The simplest dowel pin locating way



Processing a normal screw hole on the end of the pin,fixed with screw,easy to install, suitable for use wide range

AISI

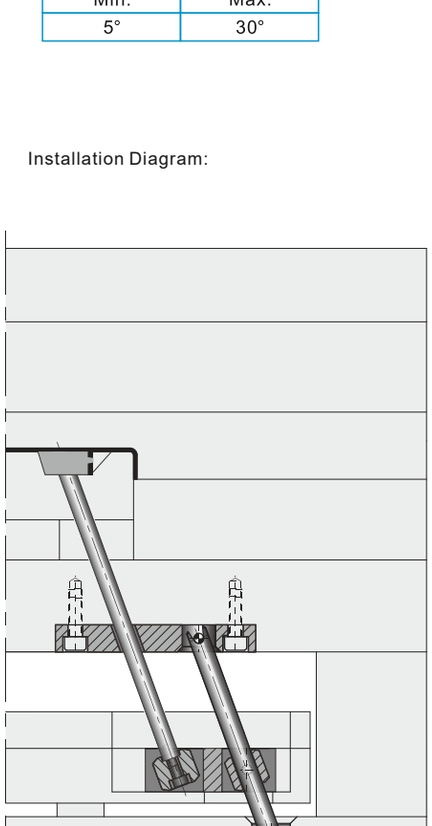
Slide core units

Installation Guidelines:

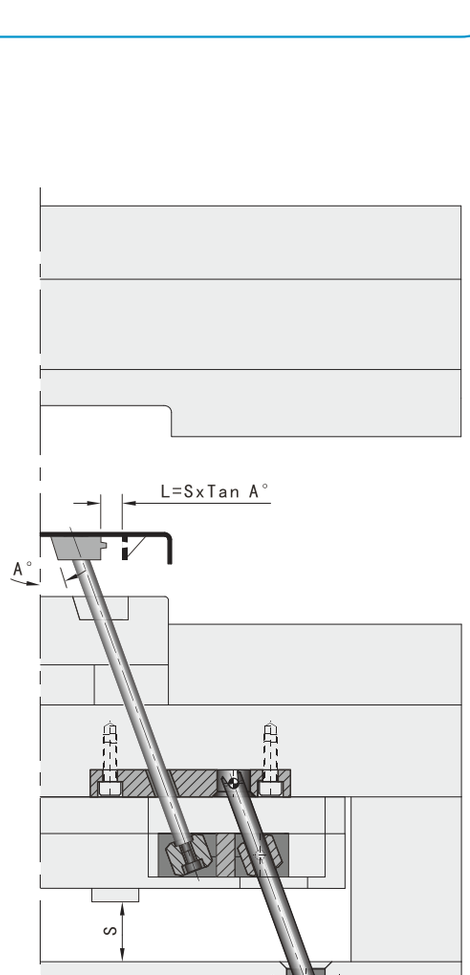
·VF series slide core unit have socket sleeve, guide rod, slide base ,guide board 4part constitution.
·The usage range of Slide unit from 5°-30°.
·Socket sleeve fixed on movement board by head cap screw.
·Slide stroke avoid interfere ejector pin board.
·Release mould distance L by mean of calculate formula:L=SXTanA°, S is ejector pin board stroke, A is install angle, also can get it from CAD drawing.

A°	
Min.	Max.
5°	30°

Installation Diagram:



Mold closed



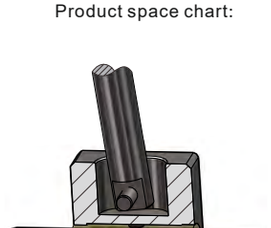
Mold opend

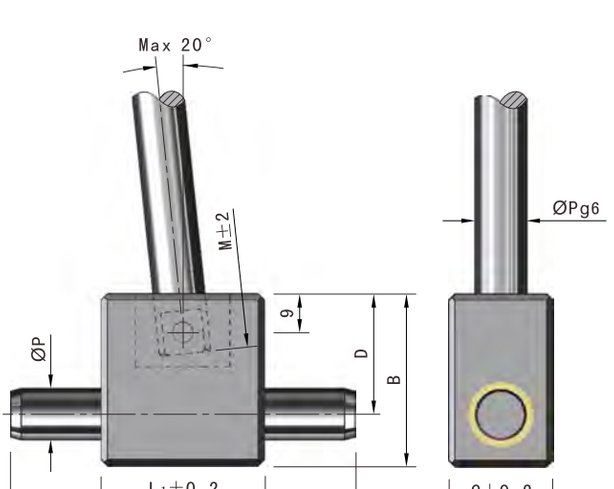
DIN

Slide core units

KSSD

Product space chart:

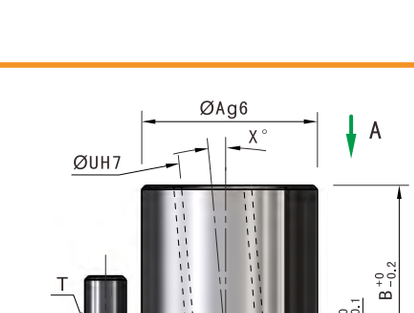


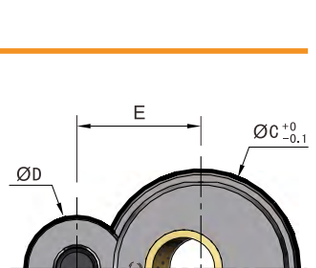


Material:SUJ2 Hard :58-62HRC

Code	L1	B	C	D	L	M	P	
KSSD-3220GR	32	37	20	27	80	180	10	
KSSD-3824GR	38	38	24	28		210	12	
KSSD-4528GR	45	44	28	30	100	250	16	

KCCI





A side

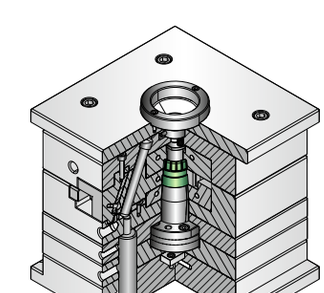
Material:SUJ2 Hard :55-62HRC

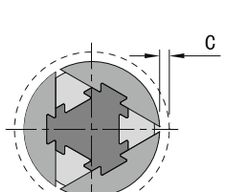
Code	A	B	C	D	E	G	H	U	X	S	T	
KCCI-3034GR- 5	30	34	34	16	20	6	0	10	5	M6×6	M6×16	
KCCI-3438GR- 5	34	38	38	20	24	8		12		M8×6	M8×20	
KCCI-4040GR- 5	40	40	44		27			16				
KCCI-3034GR-10	30	34	34	16	20	6	7	10	10	M6×6	M6×16	
KCCI-3438GR-10	34	38	38	20	24	8	8.5	12		M8×6	M8×20	
KCCI-4040GR-10	40	40	44		27			16				
KCCI-3034GR-15	30	34	34	16	20	6	7	10	15	M6×6	M6×16	
KCCI-3438GR-15	34	38	38	20	24	8	8.5	12		M8×6	M8×20	
KCCI-4040GR-15	40	40	44		27			16				
KCCI-3034GR-20	30	34	34	16	20	6	7	10	20	M6×6	M6×16	
KCCI-3438GR-20	34	38	38	20	24	8	8.5	12		M8×6	M8×20	
KCCI-4040GR-20	40	40	44		27			16				

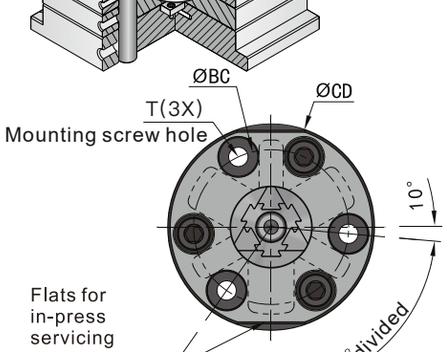
KONEK PSN

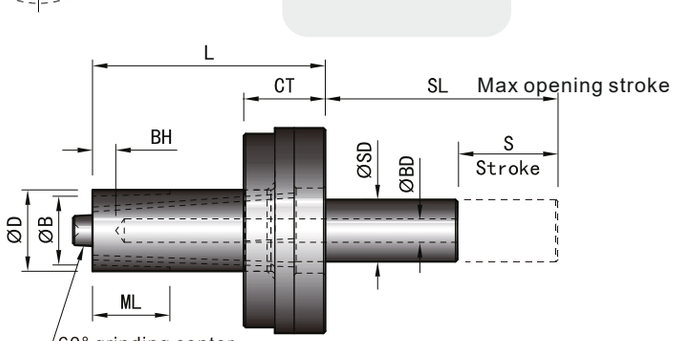
Collapsible core

KDDT



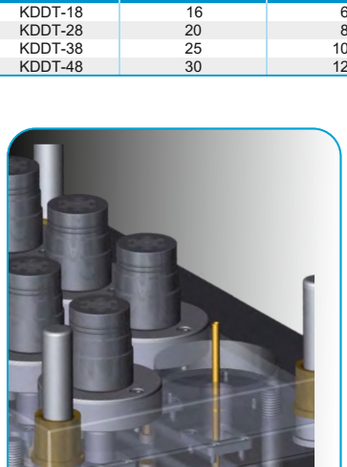






D	B +3° Single side	ML	C	CD +0/-0.05	CT ±0.05	L +0.01/-0	SL
21	17	22	1.1	53	21	60	
33	25	28	1.6	60	22	67	60
42	33	43	2.1	76	28	85	
54	42	50	2.4	98	37	104	70

Code	SD +0/-0.02	BD	BH	BC	S	T	
KDDT-18	16	6	6	40	34	M5×25	
KDDT-28	20	8	8	47	38		
KDDT-38	25	10	10	60	54	M6×35	
KDDT-48	30	12	12	78	62	M8×40	



Features:
1. Design of scalability structure by mechanical.
2. Stroke:5%~7% for per side.
3. Instead of expensive pinion and rack.
4. Only needs small space for installation.
5. Shorten the mold manufacturing cycle.
6. Within waterway.
7. Provide a variety of standard types for choice,and also customer made
8. The structure is more simple than rotary unwound thread mechanism.

Collapsible core

KDDT

General thread design	Right ☑	Wrong ☒	Right ☑	Wrong ☒
DDT core thread design	Right ☑	Right ☑	Right ☑	Right ☑

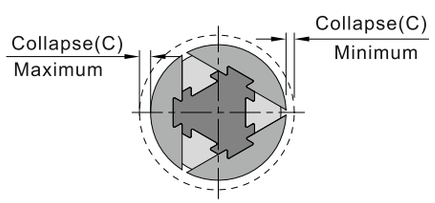
KDDT-18					
Diameter(D)		Collapse(C)		Stroke(S)	
mm.	in.	mm.	in.	mm.	in.
21	0.827	0.5	0.02	19.5	0.768
20	0.787	0.71	0.028	27	1.063
19	0.748	0.92	0.036		
18	0.709	0.98	0.039	34	1.339
17	0.669	1.05	0.041		

KDDT-28					
Diameter(D)		Collapse(C)		Stroke(S)	
mm.	in.	mm.	in.	mm.	in.
33	1.299	0.98	0.039	34.5	1.358
32	1.26	1.11	0.044		
31	1.22	1.14	0.049		
30	1.181	1.19	0.047		
29	1.141	1.23	0.048	38	1.496
28	1.102	1.28	0.050		
27	1.062	1.33	0.052		
26	1.024	1.39	0.055		
25	0.984	1.45	0.057		

Features:

1. General threads are designed to be unscrewed out of the mold which could not position the threads accurately, DDT threads only where you need them.
2. General threads designed to be stripped snap bead that normally require large radii for release. DDT core snap bead can be flat also.

KDDT-38					
Diameter(D)		Collapse(C)		Stroke(S)	
mm.	in.	mm.	in.	mm.	in.
42	1.654	1.16	0.046	41	1.614
41	1.614	1.37	0.054	48	1.89
40	1.575	1.57	0.062		
39	1.535	1.61	0.063		
38	1.496	1.66	0.065		
37	1.457	1.71	0.067	54	2.126
36	1.417	1.76	0.069		
35	1.378	1.82	0.072		
34	1.339	1.88	0.074		
33	1.299	1.94	0.076		

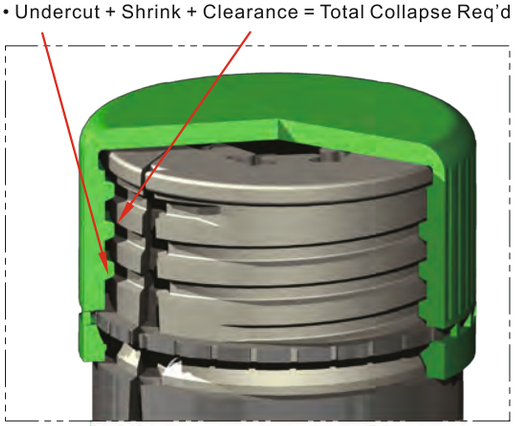


:

Calculating required collapse vs undercut depth:

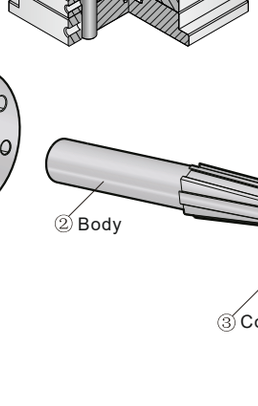
• Undercut + Shrink + Clearance = Total Collapse Req'd

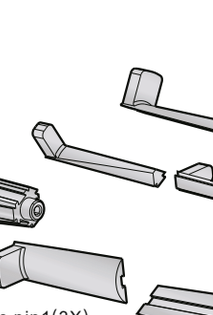
KDDT-48					
Diameter(D)		Collapse(C)		Stroke(S)	
mm.	in.	mm.	in.	mm.	in.
54	2.126	1.25	0.049	44.7	1.76
53	2.087	1.45	0.057	51.3	2.02
52	2.047	1.66	0.065	58.1	2.287
51	2.008	1.79	0.07		
50	1.969	1.83	0.072		
49	1.929	1.87	0.074		
48	1.89	1.92	0.076		
47	1.85	1.97	0.078	62	2.441
46	1.811	2.01	0.079		
45	1.772	2.06	0.081		
44	1.732	2.11	0.083		
43	1.693	2.17	0.085		
42	1.654	2.22	0.087		



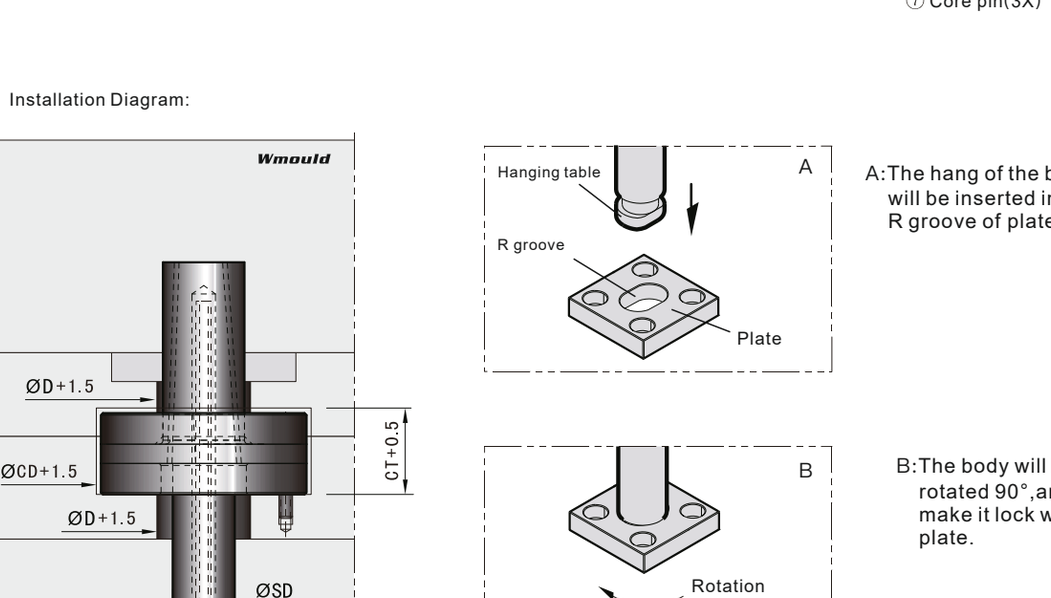
Collapsible core

KDDT

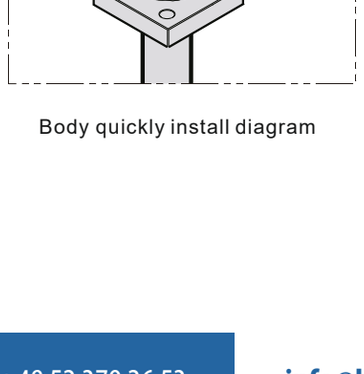




Product space chart:



Installation Diagram:



A:The hang of the body will be inserted in R groove of plate.

B:The body will be rotated 90°,and make it lock with plate.

C:The position which the hang lock plate as show on the left.

Body quickly install diagram

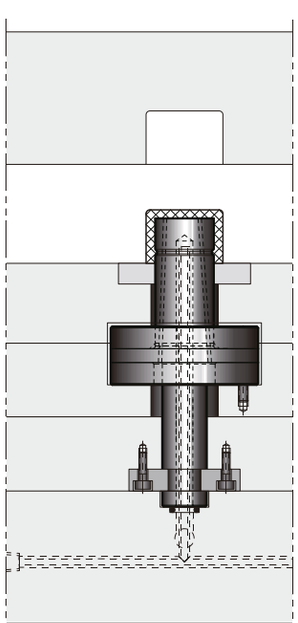
Collapsible core

KDDT

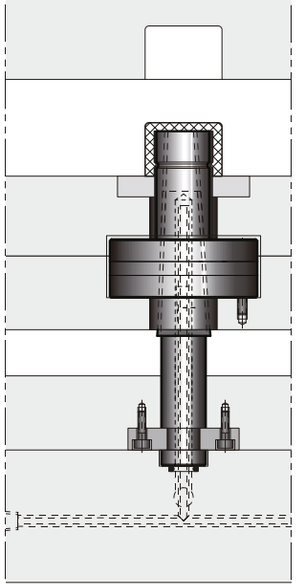
Installation Guidelines:

- MUST confirm proper sequence with mold builder.
- NOTE: If DDT Core is shutting off on steel to form a feature (ie: hole), the shut off must be separated prior to DDT Core collapse. Also, the DDT Core must be fully expanded before shut off comes into position.
- Confirm press is capable of achieving proper sequence.
- Confirm plates are staging forward without binding while on the bench.Verify DDT center pin is flush to slightly proud of segments and verify stack heights.

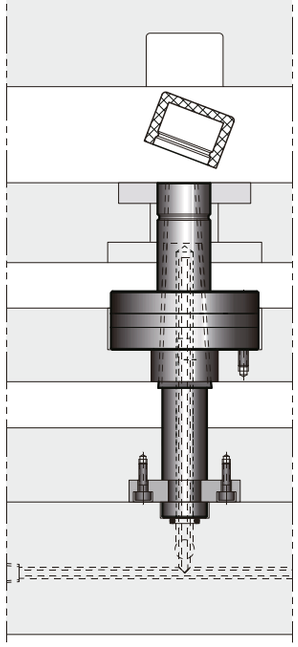
Functional chart:



Mold opening



In the process of the ejection



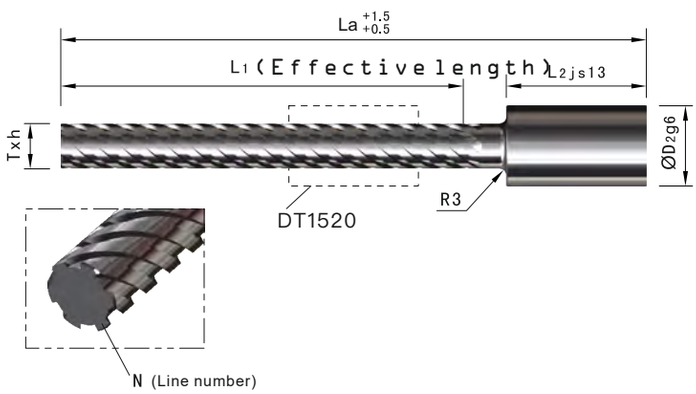
Mold opened

KONEK PSN

DIN

Helical spindle

KZZ1500



Hardness:718H Hardness:Surface treatment nitrided

Code	T×h	旋向	La	L1	L2	D2	N	
KZZ1500-16× 50-R-160	Tr16× 50	R	240	160	50	28	5	
KZZ1500-16× 50-R-250			330	250				
KZZ1500-16× 63-R-160	Tr16× 63		240	160				
KZZ1500-16× 63-R-250			330	250				
KZZ1500-20× 63-R-250	Tr20× 63		345	250	63	36	6	
KZZ1500-20× 63-R-315			410	315				
KZZ1500-20× 80-R-250	Tr20× 80		345	250			7	
KZZ1500-20× 80-R-315			410	315				
KZZ1500-20×100-R-250	Tr20×100		345	250				
KZZ1500-20×100-R-315			410	315				
KZZ1500-25× 80-R-315	Tr25× 80		430	315	80	45	8	
KZZ1500-25× 80-R-400			515	400				
KZZ1500-25×100-R-315	Tr25×100		430	315			9	
KZZ1500-25×100-R-400			515	400				
KZZ1500-25×125-R-315	Tr25×125		430	315				
KZZ1500-25×125-R-400			515	400				
KZZ1500-25×160-R-315	Tr25×160		430	315			10	
KZZ1500-25×160-R-400			515	400				
KZZ1500-32×100-R-355	Tr32×100		490	355	100	56	9	
KZZ1500-32×100-R-450			585	450				
KZZ1500-32×125-R-355	Tr32×125		490	355			10	
KZZ1500-32×125-R-450			585	450				
KZZ1500-32×160-R-355	Tr32×160		490	355				
KZZ1500-32×160-R-450			585	450				
KZZ1500-32×200-R-355	Tr32×200		490	355			11	
KZZ1500-32×200-R-450			585	450				

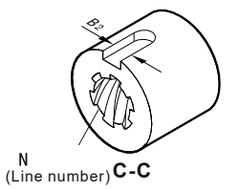
Hardness:718H Hardness:Surface treatment nitrided

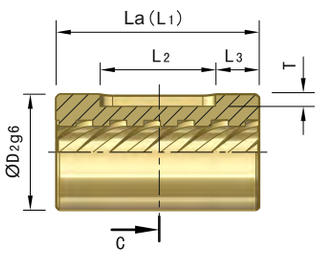
Code	T×h	旋向	La	L1	L2	D2	N	
KZZ1500-16× 50-L-160	Tr16× 50	L	240	160	50	28	5	
KZZ1500-16× 50-L-250			330	250				
KZZ1500-16× 63-L-160	Tr16× 63		240	160				
KZZ1500-16× 63-L-250			330	250				
KZZ1500-20× 63-L-250	Tr20× 63		345	250	63	36	6	
KZZ1500-20× 63-L-315			410	315				
KZZ1500-20× 80-L-250	Tr20× 80		345	250			7	
KZZ1500-20× 80-L-315			410	315				
KZZ1500-20×100-L-250	Tr20×100		345	250				
KZZ1500-20×100-L-315			410	315				
KZZ1500-25× 80-L-315	Tr25× 80		430	315	80	45	8	
KZZ1500-25× 80-L-400			515	400				
KZZ1500-25×100-L-315	Tr25×100		430	315			9	
KZZ1500-25×100-L-400			515	400				
KZZ1500-25×125-L-315	Tr25×125		430	315				
KZZ1500-25×125-L-400			515	400				
KZZ1500-25×160-L-315	Tr25×160		430	315			10	
KZZ1500-25×160-L-400			515	400				
KZZ1500-32×100-L-355	Tr32×100		490	355	100	56	9	
KZZ1500-32×100-L-450			585	450				
KZZ1500-32×125-L-355	Tr32×125		490	355			10	
KZZ1500-32×125-L-450			585	450				
KZZ1500-32×160-L-355	Tr32×160		490	355				
KZZ1500-32×160-L-450			585	450				
KZZ1500-32×200-L-355	Tr32×200		490	355			11	
KZZ1500-32×200-L-450			585	450				

DIN

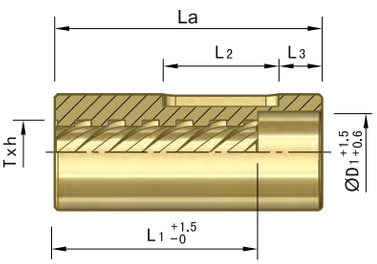
Helical spindle

KZZ1520





Type-A



Type-B

Hardness:AL-Bronze

Code	T×h	Rotation	Type	La	L1	L2	L3	B2	D2	T	N
KZZ1520-16× 50-R- 50	Tr16× 50	R (Right)	A	50	50	28	11	6	28	2.8	5
KZZ1520-16× 50-R- 80			B	80		40	15				
KZZ1520-16× 63-R- 50	Tr16× 63		A	50		28	11				
KZZ1520-16× 63-R- 80			B	80		40	15				
KZZ1520-20× 63-R- 63	Tr20× 63		A	63	63	36	13.5	8	36	3.8	6
KZZ1520-20× 63-R-100			B	100		50	18				
KZZ1520-20× 80-R- 63	Tr20× 80		A	63		36	13.5				7
KZZ1520-20× 80-R-100			B	100		50	18				
KZZ1520-20×100-R- 63	Tr20×100		A	63		36	13.5				
KZZ1520-20×100-R-100			B	100		50	18				
KZZ1520-25× 80-R- 80	Tr25× 80		A	80	80	50	15	12	45	4.8	8
KZZ1520-25× 80-R-125			B	125		63	20				
KZZ1520-25×100-R- 80	Tr25×100		A	80		50	15				9
KZZ1520-25×100-R-125			B	125		63	20				
KZZ1520-25×125-R- 80	Tr25×125		A	80		50	15				
KZZ1520-25×125-R-125			B	125		63	20				
KZZ1520-25×160-R- 80	Tr25×160		A	80		50	15				10
KZZ1520-25×160-R-125			B	125		63	20				
KZZ1520-32×100-R-100	Tr32×100		A	100	100	63	18.5	14	56	5.5	9
KZZ1520-32×100-R-160			B	160		80	25				
KZZ1520-32×125-R-100	Tr32×125		A	100		63	18.5				10
KZZ1520-32×125-R-160			B	160		80	25				
KZZ1520-32×160-R-100	Tr32×160		A	100		63	18.5				
KZZ1520-32×160-R-160			B	160		80	25				
KZZ1520-32×200-R-100	Tr32×200		A	100		63	18.5				11
KZZ1520-32×200-R-160			B	160		80	25				

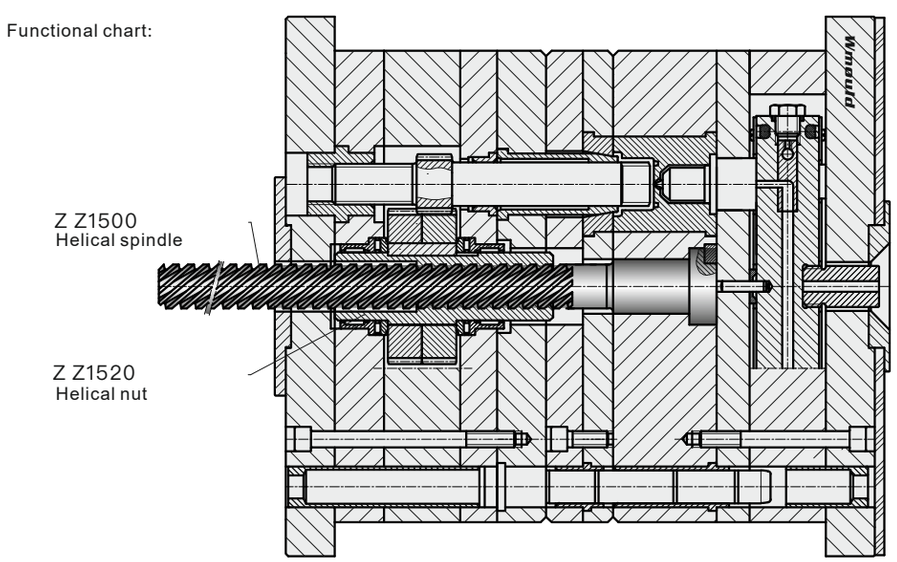
Hardness:AL-Bronze

Code	T×h	Rotation	Type	La	L1	L2	L3	B2	D2	T	N
KZZ1520-16× 50-L- 50	Tr16× 50	L (Left)	A	50	50	28	11	6	28	2.8	5
KZZ1520-16× 50-L- 80			B	80		40	15				
KZZ1520-16× 63-L- 50	Tr16× 63		A	50		28	11				
KZZ1520-16× 63-L- 80			B	80		40	15				
KZZ1520-20× 63-L- 63	Tr20× 63		A	63	63	36	13.5	8	36	3.8	6
KZZ1520-20× 63-L-100			B	100		50	18				
KZZ1520-20× 80-L- 63	Tr20× 80		A	63		36	13.5				7
KZZ1520-20× 80-L-100			B	100		50	18				
KZZ1520-20×100-L- 63	Tr20×100		A	63		36	13.5				
KZZ1520-20×100-L-100			B	100		50	18				
KZZ1520-25× 80-L- 80	Tr25× 80		A	80	80	50	15	12	45	4.8	8
KZZ1520-25× 80-L-125			B	125		63	20				
KZZ1520-25×100-L- 80	Tr25×100		A	80		50	15				9
KZZ1520-25×100-L-125			B	125		63	20				
KZZ1520-25×125-L- 80	Tr25×125		A	80		50	15				
KZZ1520-25×125-L-125			B	125		63	20				
KZZ1520-25×160-L- 80	Tr25×160		A	80		50	15				10
KZZ1520-25×160-L-125			B	125		63	20				
KZZ1520-32×100-L-100	Tr32×100		A	100	100	63	18.5	14	56	5.5	9
KZZ1520-32×100-L-160			B	160		80	25				
KZZ1520-32×125-L-100	Tr32×125		A	100		63	18.5				10
KZZ1520-32×125-L-160			B	160		80	25				
KZZ1520-32×160-L-100	Tr32×160		A	100		63	18.5				
KZZ1520-32×160-L-160			B	160		80	25				
KZZ1520-32×200-L-100	Tr32×200		A	100		63	18.5				11
KZZ1520-32×200-L-160			B	160		80	25				

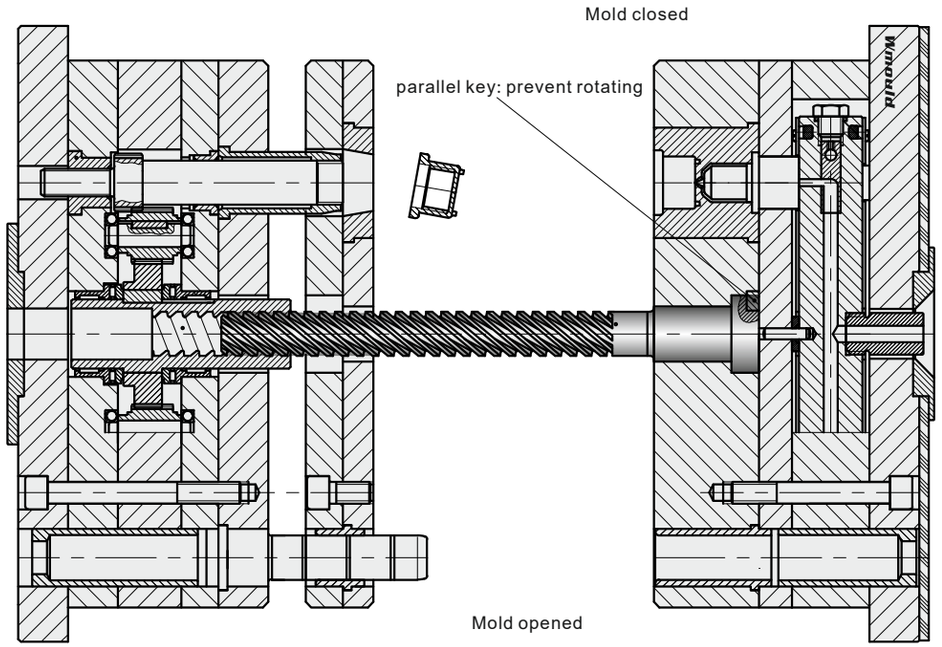
DIN

Helical spindle

Functional chart:



Mold closed

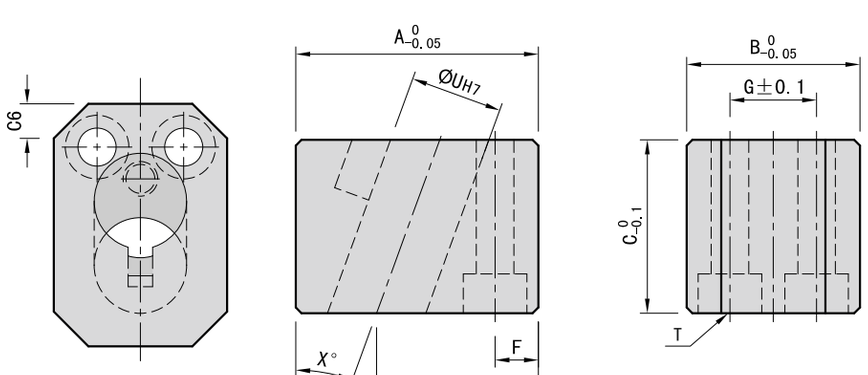


Mold opened

DIN

Angle pin housing

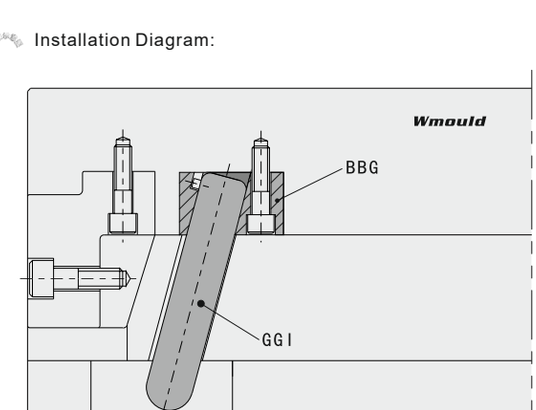
KBBG

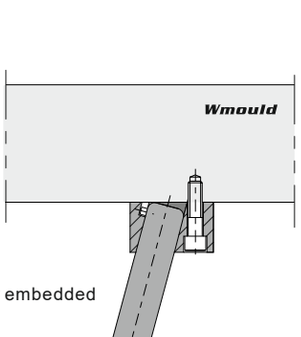


Material:1.2510 Hardness:48-52HRC

Code	A	B	C	F	G	K	T	U	X°	
KBBG-423016-15	42	30	30	7.5	15	28	M 6×35	16	15	
KBBG-504020-15	50	40	36	9	22	34	M 8×40	20		
KBBG-554024-15	55		40			38	M 8×45	24		
KBBG-655028-15	65	50	45	12	26	45	M10×50	28		
KBBG-423016-20	42	30	30	7.5	15	28	M 6×35	16	20	
KBBG-504020-20	50	40	36	9	22	34	M 8×40	20		
KBBG-504024-20	55		40			38	M 8×45	24		
KBBG-655028-20	65	50	45	12	26	45	M10×50	28		

Installation Diagram:





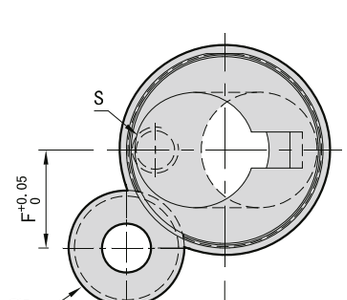
Note:Must installation by embedded

Wrong ☒

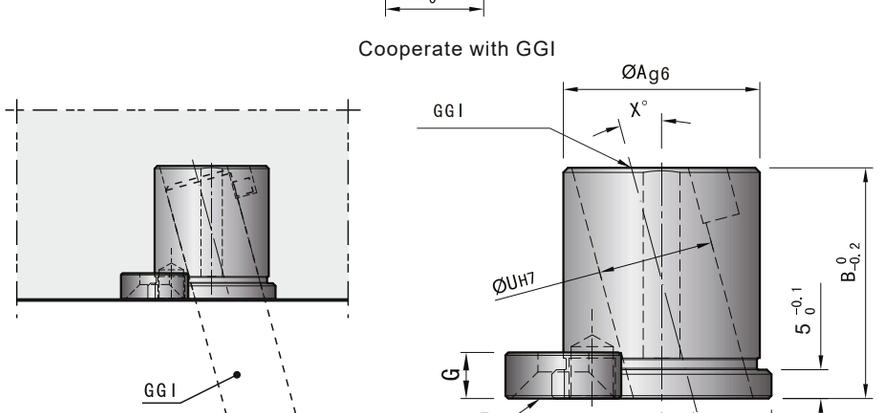
DIN

Angle pin housing

KGGR



Cooperate with GGI



Material:SUJ2 Hard :58-62HRC

Code	A	B	C	D	E	F	G	H	S	T	U	X°	
KGGR-182622-10	18	26	22	12	10.8	7.5	6	3.8	M5×5	M5×16	10	10	
KGGR-222826-10	22	28	26	16	11	11		4	M6×6	M6×16	12		
KGGR-283432-10	28	34	32		13	13		5			16		
KGGR-344038-10	34	40	38	20	17	17	8	5.5	M8×6	M8×20	20		
KGGR-424546-10	42	45	46		19.5	19.5		6			24		
KGGR-465050-10	46	50	50		21	21		7			28		
KGGR-182622-15	18	26	22	12	10.8	7.5	6	3.8	M5×5	M5×16	10	15	
KGGR-222826-15	22	28	26	16	11	11		4	M6×6	M6×16	12		
KGGR-283432-15	28	34	32		13	13		5			16		
KGGR-344038-15	34	40	38	20	17	17	8	5.5	M8×6	M8×20	20		
KGGR-424546-15	42	45	46		19.5	19.5		6			24		
KGGR-465050-15	46	50	50		21	21		7			28		

1.Only need machining one installation hole,and apply together with specialized angle pin. Do not need machine angle hole.
2.Two size of 10°and 15°for your choose.
3.Apply together with GGI.
4.Within spacer and mounting screw(T).

KONEK PSN

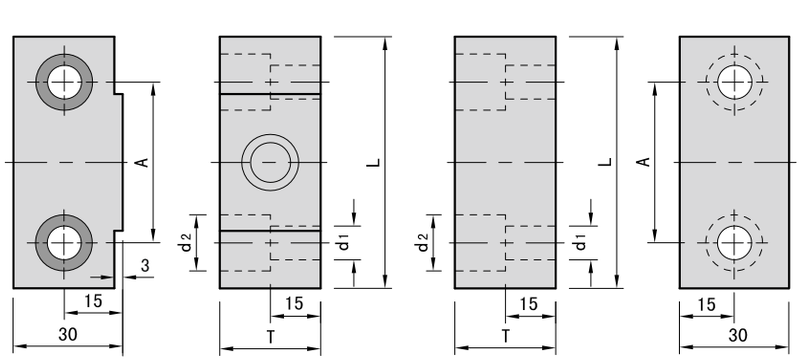
LATCH LOCKS SERIES
MECHANIZMY ZAPADKOWE

KONEK PSN, ul. Józefa Milcherta 1, 86-862 Bydgoszcz | +48 52 379 26 53 | info@konek.com.pl | www.konek.com.pl

DIN

Latch locks

KMMLKC



Lock holder Block

Features:

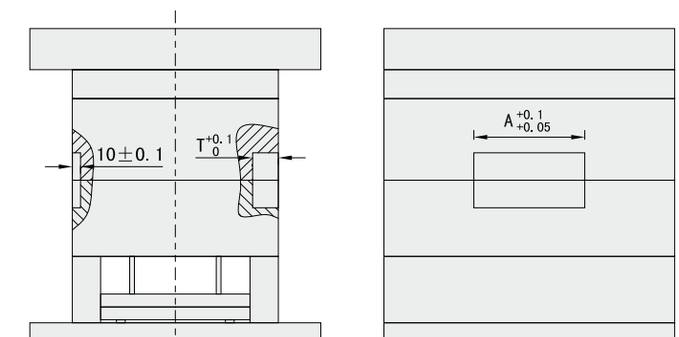
1. Compared with KMMLK,this KMMLKC overall dimensions is reduced 50%-60%.
2. Compared with other latch lock sets,it is easier to installation,no need slow down when mold closing, and reduce the molding cycle.

Installation Guidelines:

- Use Shoulder Bolts if bolt breakage is anticipated.
- Install the magnet lock sets with the mold closed. Place them onto the mold's center, and fasten with the supplied bolts.
- Heat resistance: up to 80°C or lower.

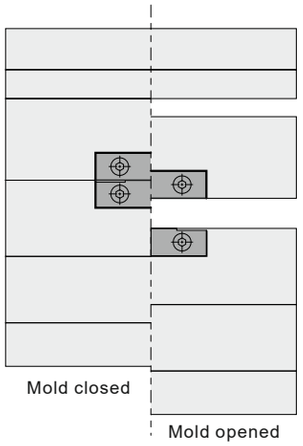
Code	A	L	T	d1	d2	Pulling force MaX. F(kgf)	
KMMLKC-30	36	50	25	6.5	11	30	
KMMLKC-75	52	70	40	9	14	75	

Dimension chart:



Incomplete insert Complete insert

Functional chart:



Mold closed

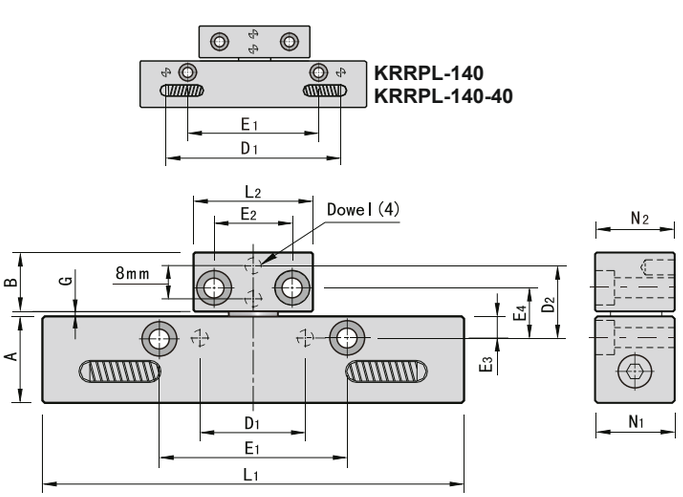
Mold opened

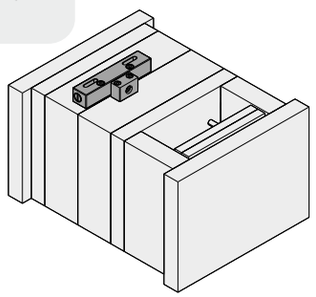
KONEK PSN

DIN

Latch locks

KRRPL-P

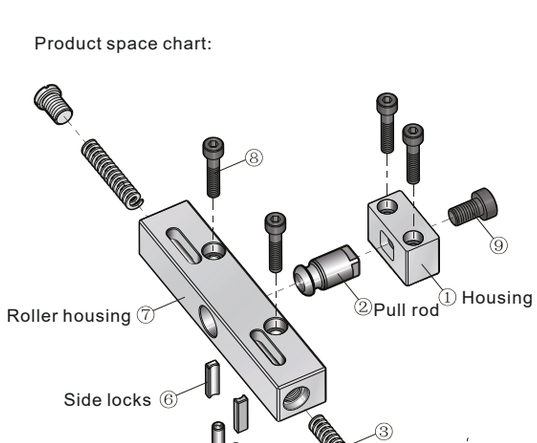




Code	L1	L2	N1	N2	A	B	G	Dowel pin
KRRPL-P-135	135	38	25	25	28	19	1	Ø5
KRRPL-P-135-40							40	
KRRPL-P-140	140	64	32		32	22	2	Ø6
KRRPL-P-140-40							38	

Code	E1	E2	E3	E4	D1	D2	Mounting screws	Pulling force Max. F (kgf)	
KRRPL-P-135	60	25	7	15.6	30	22.1	M 6×25	100	
KRRPL-P-135-40				54.6		61.1			
KRRPL-P-140	70	35	10	23.1	100	28.1	M10×35	150	
				59.3		64.3			

Product space chart:



Pos	Part name	Material	Hardness
01	Housing	P20	26-33HRC
02	Pull rod	SKD61	48-52HRC
07	Roller housing	P20	26-33HRC
05	Dowel pin	SUJ2	58-62HRC
06	Side locks	S45C	-

Installation Guidelines:

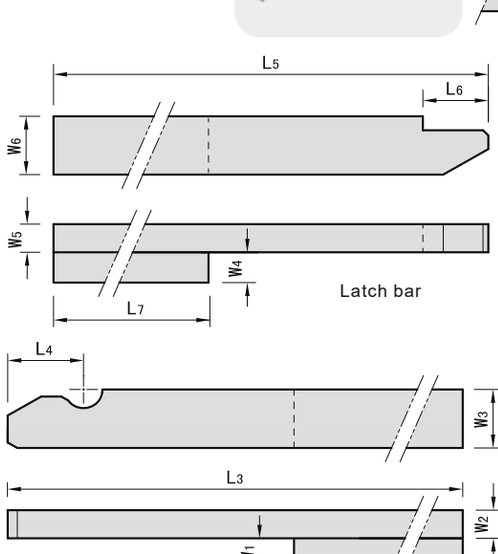
- Please install the roller lock symmetrically, otherwise,it would be fractured with the unbalanced force due to only one side of lock set be forced.
- This Roller lock is the precise standardized item, please do not apply together with other own customer machined parts.
- If mold need to maintain,please remove the roller locks first.

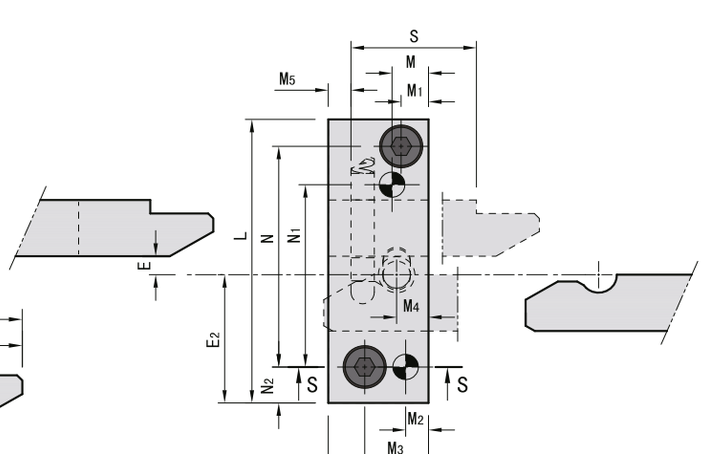
KONEK PSN

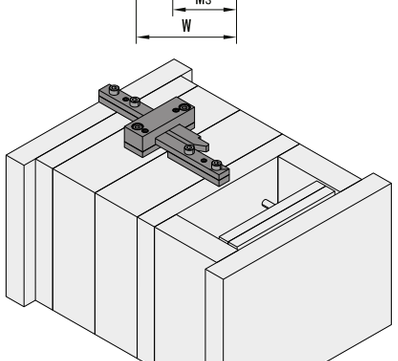
DIN

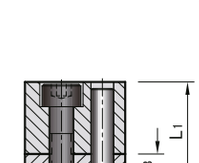
Latch locks

KZZ170









S-S Section

Features:
1. mechanical interlocking design ,safe and reliable.
2. Insert bar, end of pull rod adopt high frequency annealing treatment, so that easy to second time processing installed holes.
3. This latch parts not only control opening mold sequence, But also control closed open sequence.

Code	L	L1	L2	L3	L4	L5	L6	L7	L8	E	E2	M3	N	N1	M2
KZZ170-1	63	22	63	100	16	125	13.8	80	6	4	28.5	14	49	40.5	8
KZZ170-2	90	32.5	100	140	22.5	160	17.7	125	7.5	6	45	24	69	62	13
KZZ170-3	110	44		200	25	250	17.6		12	7	55	31	80	80	15

Code	M	M1	M2	M3	M4	M5	W	W1	W2	W3	W4	W5	W6	A	B
KZZ170-1	8	6	5	14	7	5	22	6.5	6	12.5	6.5	6	12.5	Ø5	M5
KZZ170-2	18	8	8	24	16		34	8	12.5	20	8	12.5	16	Ø6	M6
KZZ170-3	22	9	9	31	20	7	42	12.5	16	25	12.5	16	20	Ø8	M8

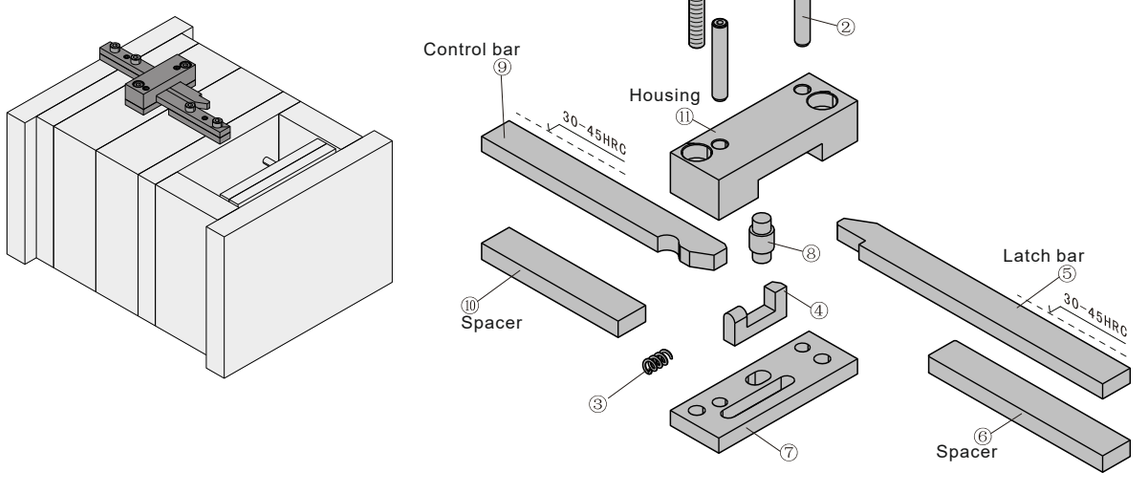
Code	(min.) Stroke	(max.) Stroke	Pulling force F(≤ kgf)	
KZZ170-1	5.5	80	800	
KZZ170-2	9.5	110	1400	
KZZ170-3	10.5	190	2400	

DIN

Latch locks

KZZ170

Product space chart:



Pos	Part name	Material	Hardness
5	Latch bar	Cr12MoV	56± 3HRC
6	Spacer	S45C	-
9	Control bar	Cr12MoV	56± 3HRC
10	Spacer	S45C	-
11	Housing	SKD61	48-52HRC

Installation Guidelines:

·Please install the housing in parallel to the parting line first.

·Before install the control bar,please cut it to the necessary length,form the bolt hole. Please tighten the screw when mold closed.(Please note:Make sure in a fully position mold before fix the control bar,and eliminate the clearance between the control bar and locking roller).

·Please cut the latch bar to the necessary length,and installation in parallel to the parting line.

·Please install the latch lock symmetrically,otherwise,it would be fractured with the unbalanced force due to only one side of lock set be forced.

·This latch lock is the precise standardized item,please do not apply together with other own customer machined parts.

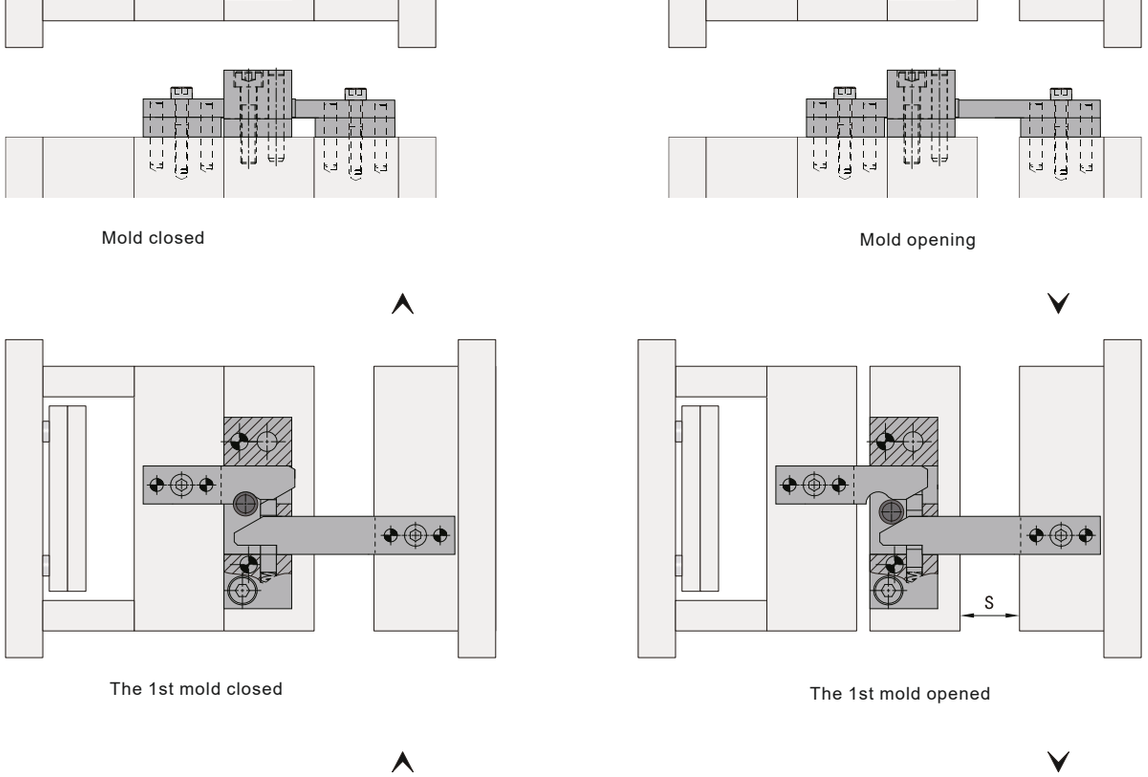
·If mold need to maintain,please remove the latch locks first.

·After installed,carry out a functional test,check whether the individual parts of the latch lock units moves smoothly,the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.

DIN

Latch locks

Functional chart:

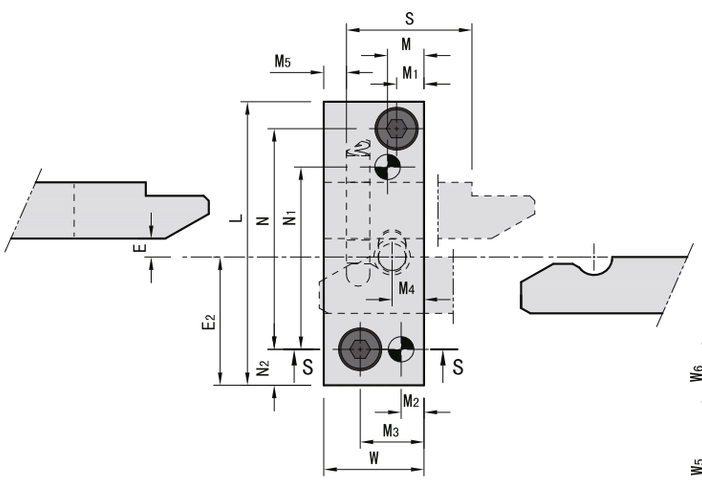


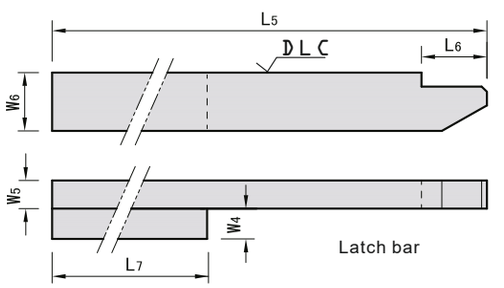
KONEK PSN

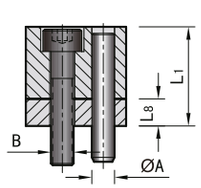
DIN

Latch locks

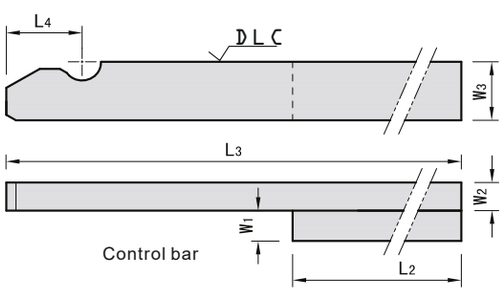
KZZ270

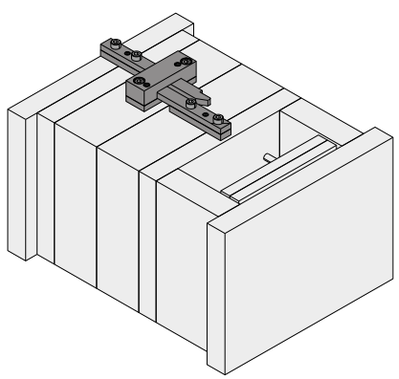






S-S Section





Features:

1. Mechanical interlocking design ,safe and reliable.
2. Insert bar, end of pull rod adopt high frequency annealing treatment, so that easy to second time processing installed holes.
3. This latch parts not only control opening mold sequence, But also control closed open sequence.
4. It's the external version of ZZ170, there added DLC coating on the surface of inserting rod,pulling rod, it's more wearable and more living life.

Code	L	L1	L2	L3	L4	L5	L6	L7	L8	E	E2	M3	N	N1	M2
KZZ270-1	63	22	63	100	16	125	13.8	80	6	4	28.5	14	49	40.5	8
KZZ270-2	90	32.5	100	140	22.5	160	17.7	125	7.5	6	45	24	69	62	13
KZZ270-3	110	44		200	25	250	17.6		12	7	55	31	80	80	15

Code	M	M1	M2	M3	M4	M5	W	W1	W2	W3	W4	W5	W6	A	B
KZZ270-1	8	6	5	14	7	5	22	6.5	6	12.5	6.5	6	12.5	Ø5	M5
KZZ270-2	18	8	8	24	16		34	8	12.5	20	8	12.5	16	Ø6	M6
KZZ270-3	22	9	9	31	20	7	42	12.5	16	25	12.5	16	20	Ø8	M8

Code	(min.) Stroke	S(max.) Stroke	Pulling force F(≤kgf)	
KZZ270-1	5.5	80	800	
KZZ270-2	9.5	110	1400	
KZZ270-3	10.5	190	2400	

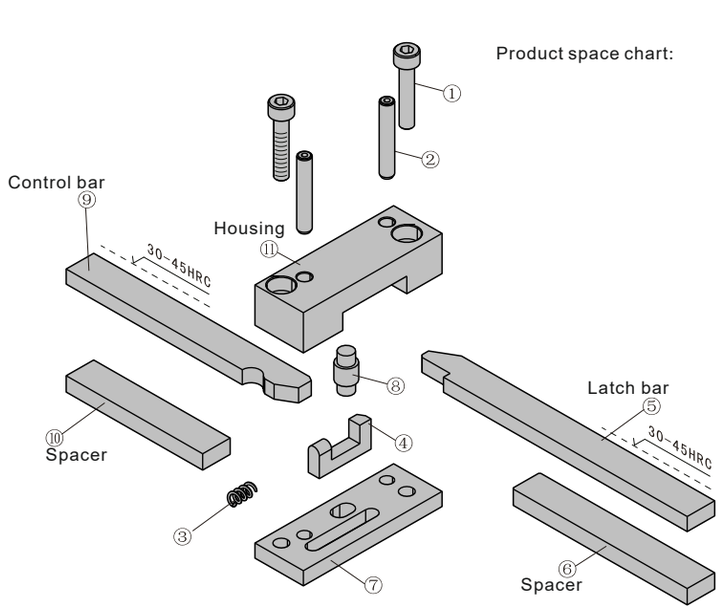
KONEK PSN

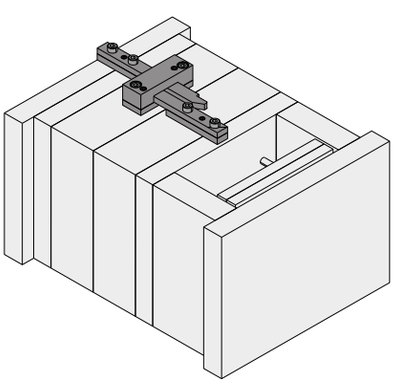
DIN

Latch locks

KZZ270

Product space chart:





Pos	Part name	Material	Hardness
5	Latch bar	Cr12MoV	56± 3HRC
6	Spacer	S45C	-
9	Control bar	Cr12MoV	56± 3HRC
10	Spacer	S45C	-
11	Housing	SKD61	48-52HRC

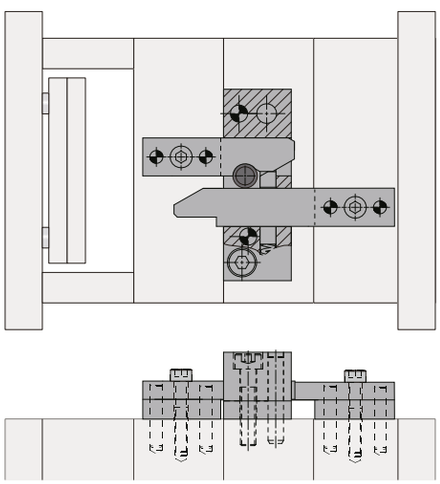
Installation Guidelines:

- Please install the housing in parallel to the parting line first.
- Before install the control bar,please cut it to the necessary length,form the bolt hole. Please tighten the screw when mold closed.(Please note:Make sure in a fully position mold before fix the control bar,and eliminate the clearance between the control bar and locking roller).
- Please cut the latch bar to the necessary length,and installation in parallel to the parting line.
- Please install the latch lock symmetrically,otherwise,it would be fractured with the unbalanced force due to only one side of lock set be forced.
- This latch lock is the precise standardized item,please do not apply together with other own customer machined parts.
- If mold need to maintain,please remove the latch locks first.
- After installed,carry out a functional test,check whether the individual parts of the latch lock units moves smoothly,the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.

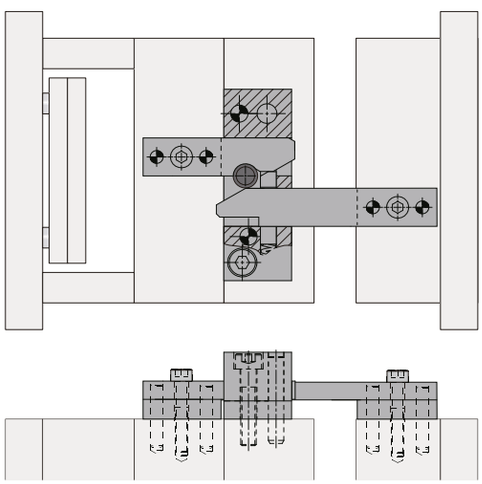
DIN

Latch locks

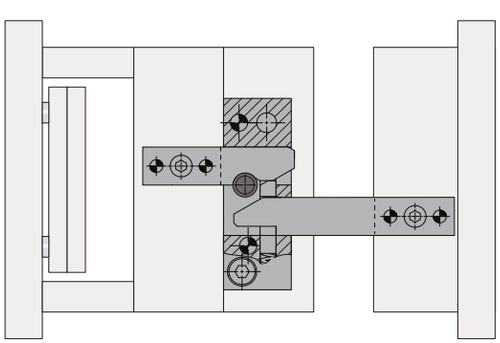
Functional chart:



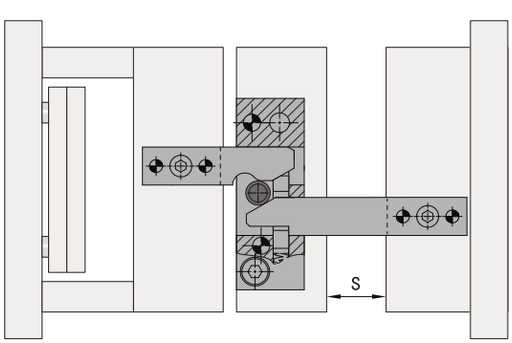
Mold closed



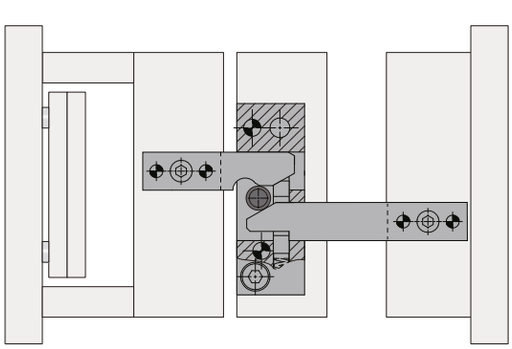
Mold opening



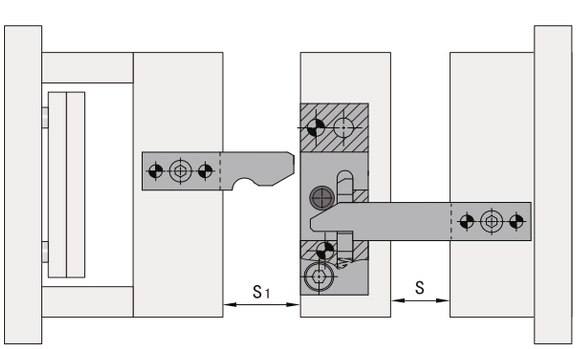
The 1st mold closed



The 1st mold opened



The 1st mold closing



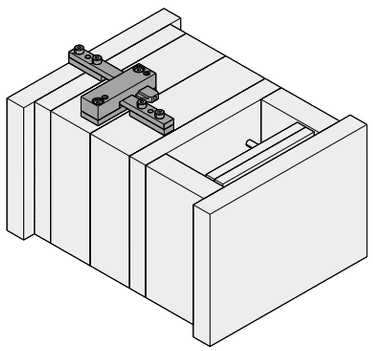
The 2nd mold opened

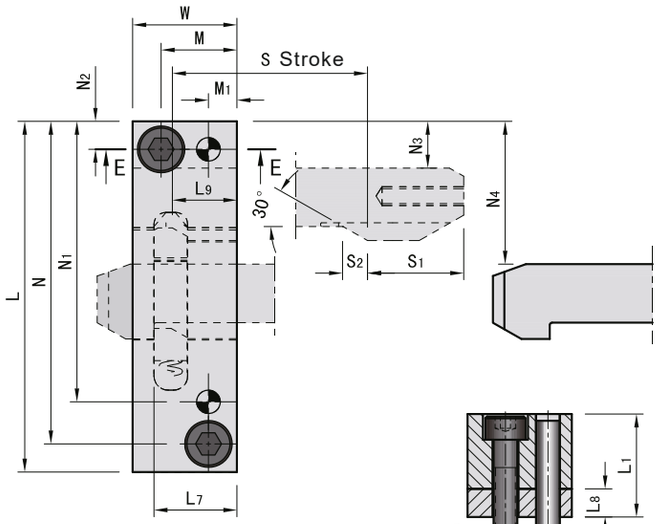
KONEK PSN

DIN

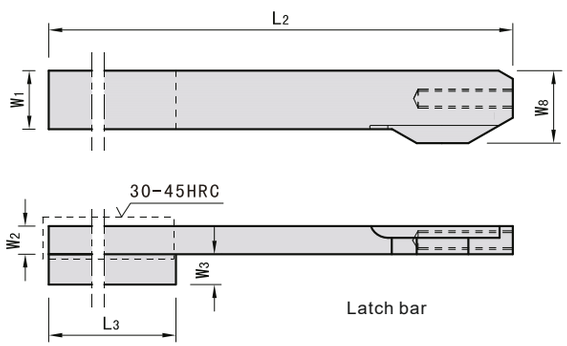
Latch locks

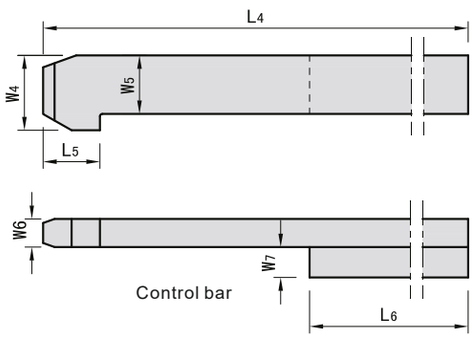
KZZ171





E-E Section





Code	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	N	N1	M2	M3	M4
KZZ171-1	75	22	140	63	140	12	63	17.5	6	13.5	69	60	6	10	30.5
KZZ171-2	90	32.5		100	180	16	100	25	7.5	19	83	73	7	12	38
KZZ171-3	112	43.5	250	125	250	20	125	32	12	25	103	88	9	16	48

Code	M	M1	W	W1	W2	W3	W4	W5	W6	W7	W8	S1	S2	A	B
KZZ171-1	16	6	22	12.5	6	6.5	16	12.5	6	6.5	15.5	20	14	Ø5	M5
KZZ171-2	24	8	31.5	16	12.5	8	20.5	16	12.5	8	20	27	6.95	Ø6	M6
KZZ171-3	30	10	40	20	16	12.5	25.5	20	16	12.5	25	36	8.7	Ø8	M8

Code	(min.) Stroke	(max.) Stroke	Pulling force F(≈ kgf)	
KZZ171-1	5.5	80	650	
KZZ171-2	7	110	1550	
KZZ171-3	9	160	2200	

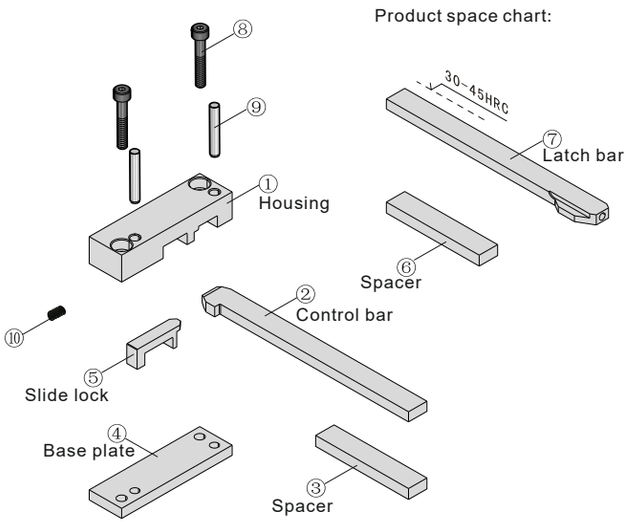
KONEK PSN

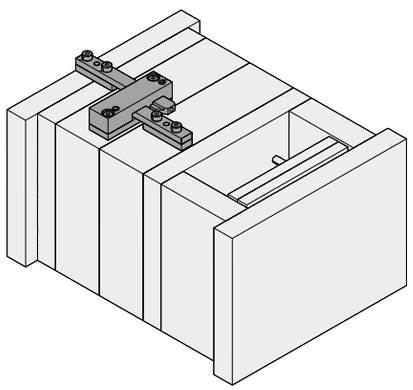
DIN

Latch locks

KZZ171

Product space chart:





Features:
1. Due to double-sided locking system, safe and reliable.
2. High-frequency heat-treatment, easy to process mounting hole on the tail of latch bar and control bar.

Pos	Part name	Material	Hardness
1	Housing	P20	26-33HRC
2	Control bar	718H	Surface nitrided
3	Spacer	S45C	-
4	Base plate	P20	26-33HRC
5	Slide lock	SKD61	48-52HRC
6	Spacer	S45C	-
7	Latch bar	Cr12MoV	56±3HRC

Installation Guidelines:

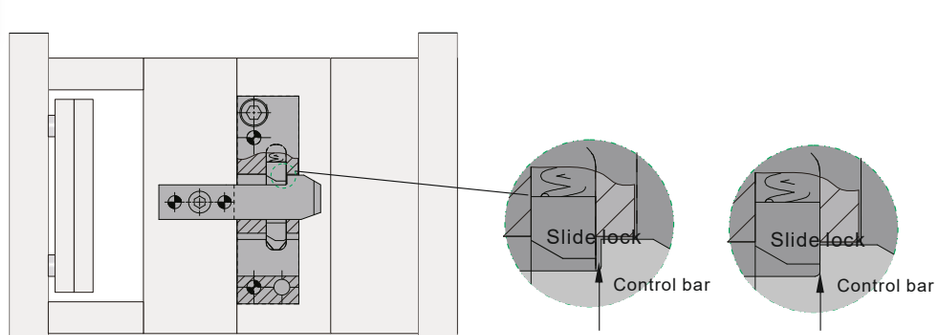
- Please install the housing in parallel to the parting line first.
- Before install the control bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed. (Please note: Make sure in a fully position mold before fix the control bar, and eliminate the clearance between the control bar and locking roller).
- Please cut the latch bar to the necessary length, and installation in parallel to the parting line.
- Please install the latch lock symmetrically, otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence function.
  Only suitable for mold plate opening sequence are required.
- This latch lock is the precise standardized item, please do not apply together with other own customer machined parts.
- If mold need to maintain, please remove the latch locks first.
- After installed, carry out a functional test, check whether the individual parts of the latch lock units moves smoothly, the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.

DIN

Latch locks

KZZ171

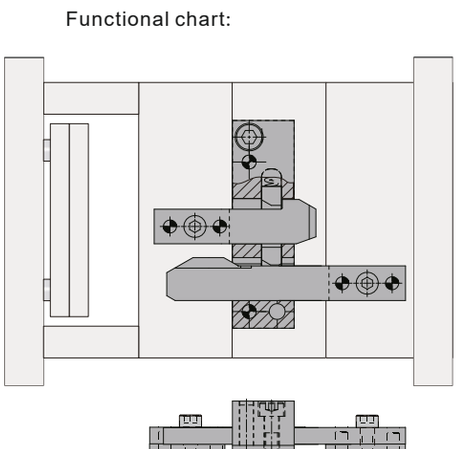
Installation Diagram:



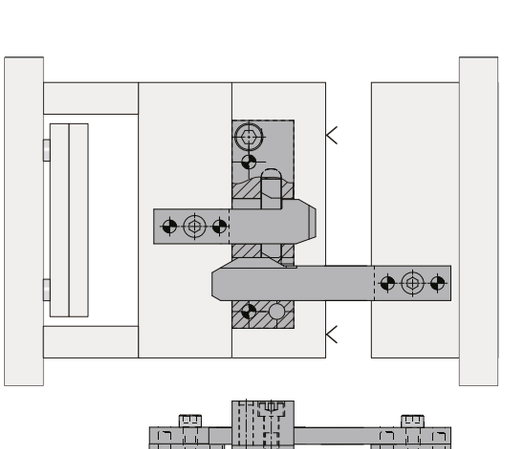
Clearance

No clearance

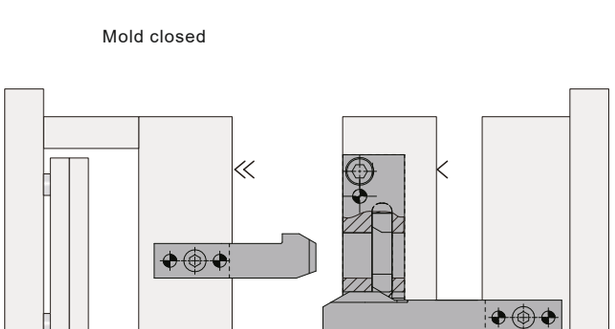
Functional chart:



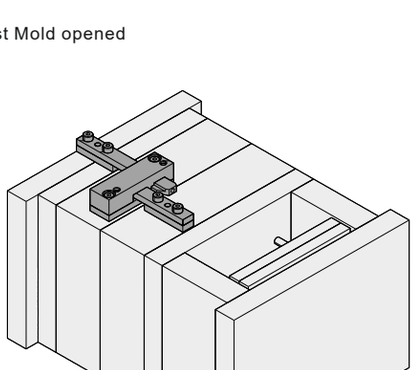
Mold closed



The 1st Mold opened



Complete mold opened

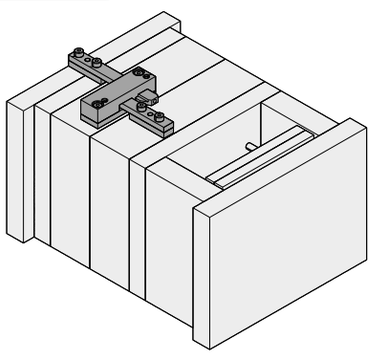


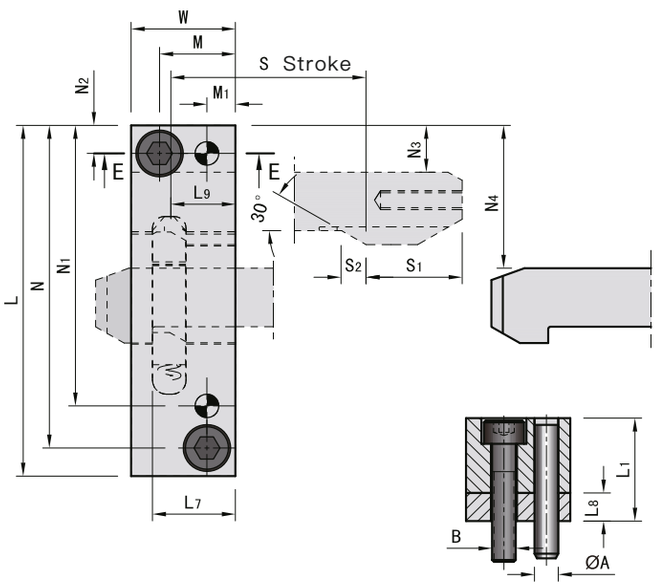
KONEK PSN

DIN

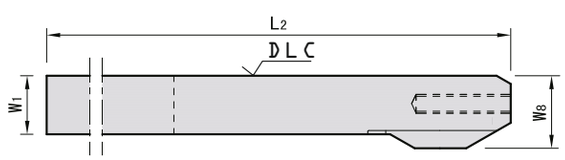
Latch locks

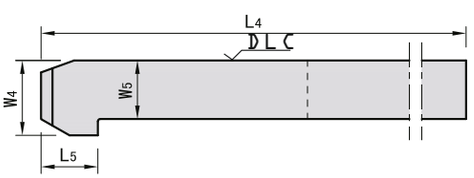
KZZ271

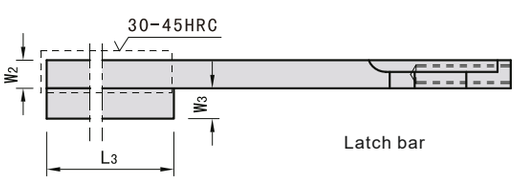




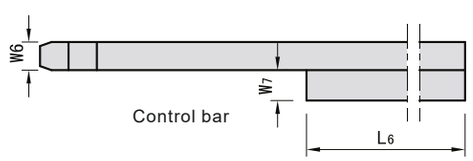
E-E Section







Latch bar



Control bar

KZZ271-1

Code	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	N	N1	N2	N3	N4
KZZ271-1	75	22	140	63	140	12	63	17.5	6	13.5	69	60	6	10	30.5
KZZ271-2	90	32.5		100	180	16	100	25	7.5	19	83	73	7	12	38
KZZ271-3	112	43.5	250	125	250	20	125	32	12	25	103	88	9	16	48

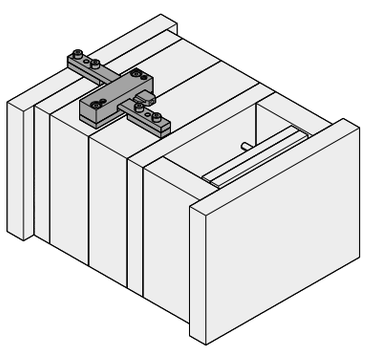
Code	M	M1	W	W1	W2	W3	W4	W5	W6	W6	W6	S1	S2	A	B
KZZ271-1	16	6	22	12.5	6	6.5	16	12.5	6	6.5	15.5	20	14	Ø5	M5
KZZ271-2	24	8	31.5	16	12.5	8	20.5	16	12.5	8	20	27	6.95	Ø6	M6
KZZ271-3	30	10	40	20	16	12.5	25.5	20	16	12.5	25	36	8.7	Ø8	M8

Code	(min.) Stroke	(max.) Stroke	Pulling force F(≈kgf)	
KZZ271-1	5.5	80	650	
KZZ271-2	7	110	1550	
KZZ271-3	9	160	2200	

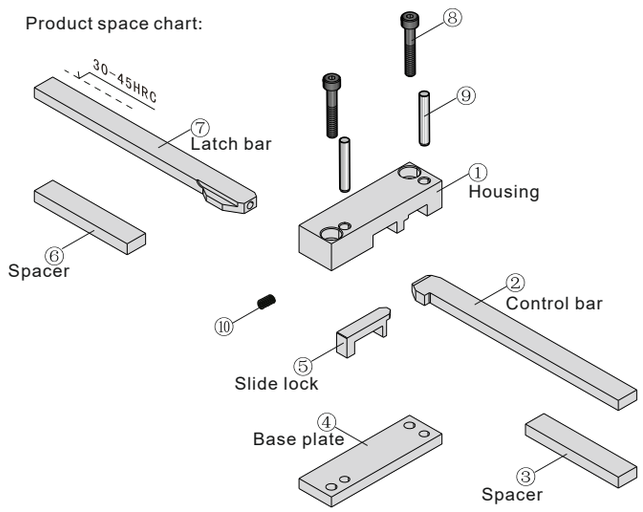
DIN

Latch locks

KZZ271



Product space chart:



Features:

1.Due to double-sided locking system,safe and reliable.
2.High-frequency heat-treatment,easy to process mounting hole on the tail of latch bar and control bar.
3.It's the external version of ZZ171, there added DLC coating on the surface of inserting rod,pulling rod, it's more wearable and more living life.

Pos	Part name	Material	Hardness
1	Housing	P20	26-33HRC
2	Control bar	718H	
3	Spacer	S45C	-
4	Base plate	P20	26-33HRC
5	Slide lock	SKD61	48-52HRC
6	Spacer	S45C	-
7	Latch bar	Cr12MoV	56±3HRC

Installation Guidelines:

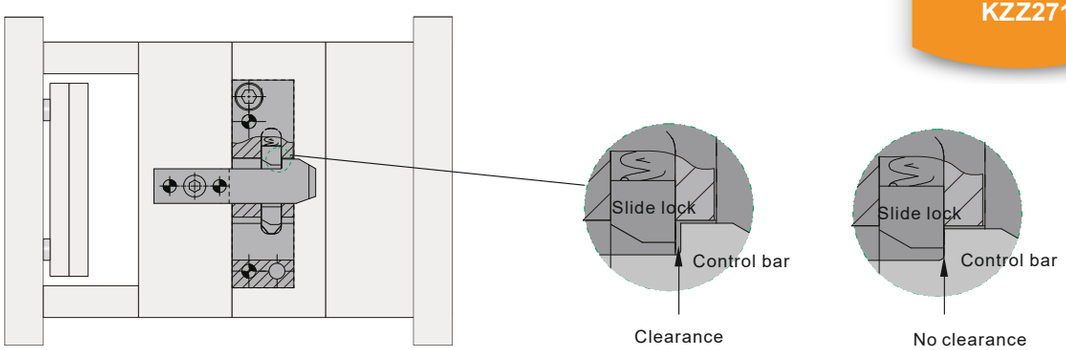
- Please install the housing in parallel to the parting line first.
- Before install the control bar,please cut it to the necessary length,form the bolt hole. Please tighten the screw when mold closed.(Please note:Make sure in a fully position mold before fix the control bar,and eliminate the clearance between the control bar and locking roller).
- Please cut the latch bar to the necessary length,and installation in parallel to the parting line.
- Please install the latch lock symmetrically,otherwise,it would be fractured with the unbalanced force due to only one side of lock set be forced.
- Allows control of the mold plate opening sequence on mold bases,but not control of mold plate closing sequence function.
  Only suitable for mold plate opening sequence are required.
- This latch lock is the precise standardized item,please do not apply together with other own customer machined parts.
- If mold need to maintain,please remove the latch locks first.
- After installed,carry out a functional test,check whether the individual parts of the latch lock units moves smoothly,the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.

DIN

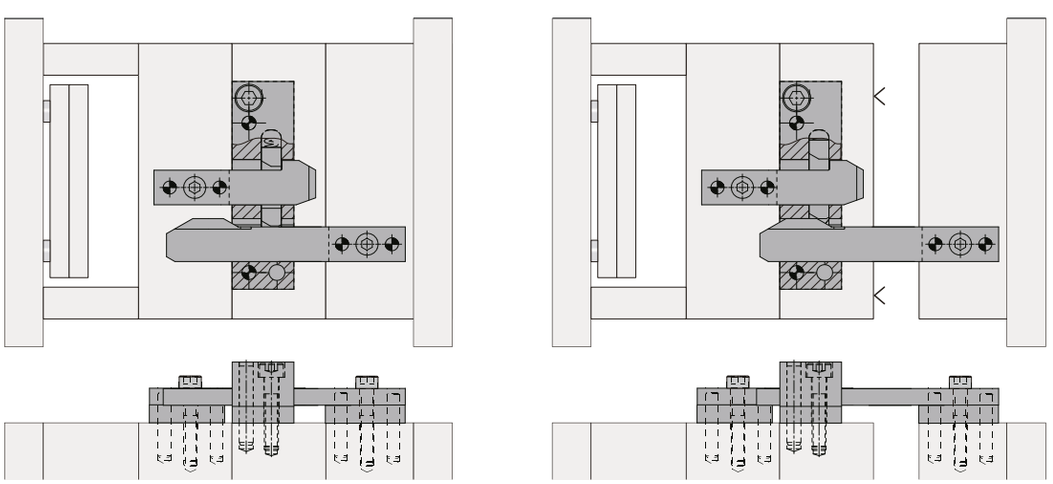
Latch locks

KZZ271

Installation Diagram:

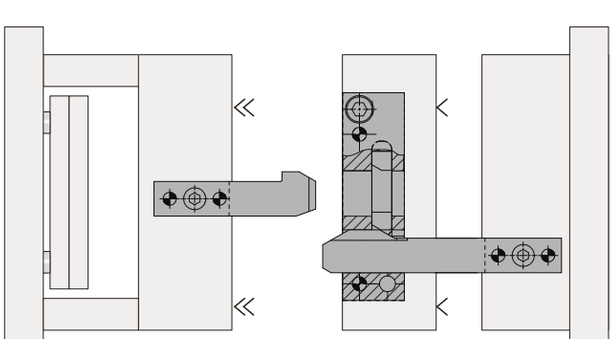


Functional chart:

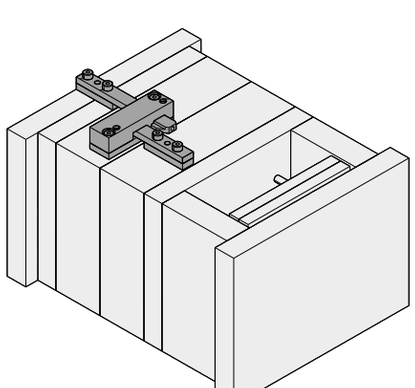


Mold closed

The 1st Mold opened



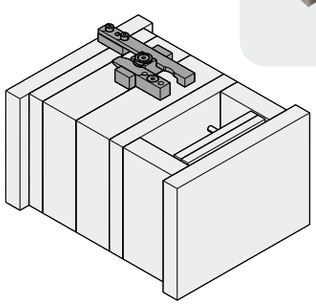
Complete mold opened

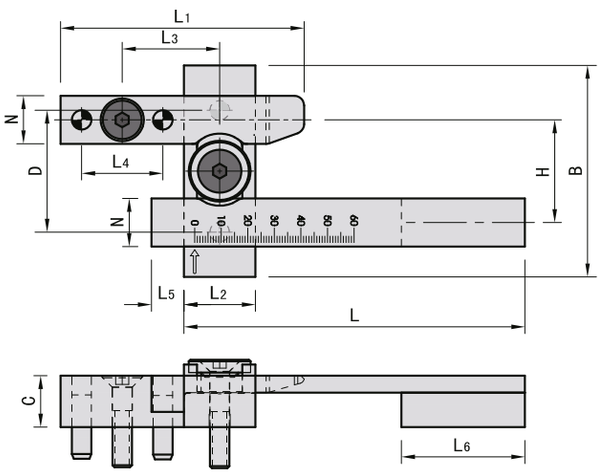


DIN

Latch locks

KGGS

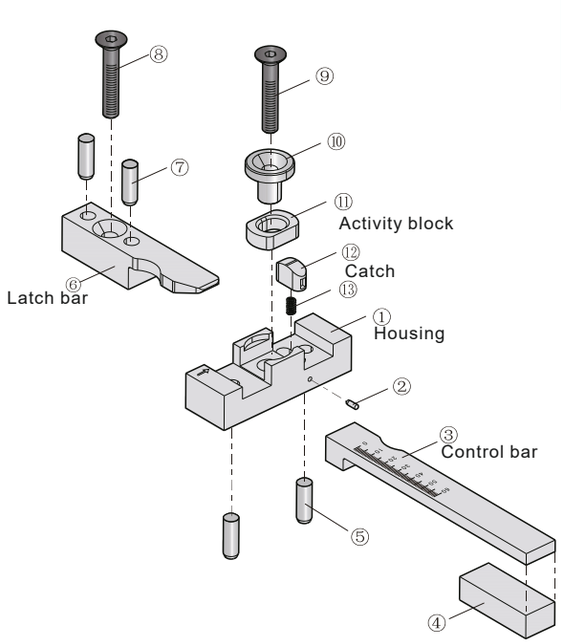




Code	B	C	D	H	H1(min.)	L	L1	L2	L3
KGGS-226616	66	16	38	32	10	105	75	22	30
KGGS-368619	86	19	46	42.7	11.5	153	102	36	43
KGGS-421024	106	24	56	50.2	14	190	124	42	51

Code	L4	L5	L6	N	Pos				
					5	7	8	9	
KGGS-226616	25	10	38	15	Ø 6×20	Ø 6×30	M 6×30	M 6×35	
KGGS-368619	32	12	50	20	Ø 8×24	Ø 8×36	M 8×36	M 8×40	
KGGS-421024	40	15	60	24.5	Ø10×30	Ø10×40	M10×40	M10×45	

Product space chart:



Pos	Part name	Material	Hardness
1	Housing	SKD11	55-62HRC
3	Control bar	Cr12MoV	55-58HRC
6	Latch bar		
11	Activity block	SKD61	52± 2HRC
12	Catch	SKD11	58-62HRC

Features:
1.Designed for two steps opening molds, The gradual scale allows selection of the first opening.
2.After selecting the required stroke,fix the scale lever with the spacer.

DIN

Latch locks

The working principle of products:

- After the 1st mold opened,the arrow of the housing(1) will point to 0 calibration of the control bar(3), the activity block is on moving,till insert into R groove of the control bar(3) completely.
- When the activity block on moving,the Latch bar(6) is opening till out of housing completely. The catch (12)are bouncing under the force of spring,and lock the activity block,this is the 2nd mold opened finish.
- The Latch bar insert into the housing again in the 1st mold closed,the latch bar press the catch,and release the activity block till the 2nd mold closed finish.

Installation information:

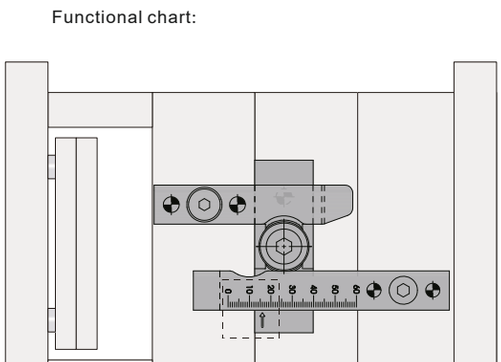
A minimum of two or more latch lock must be mounted symmetrically.

The latch lock control of the mold opening and closing sequence on mold bases.

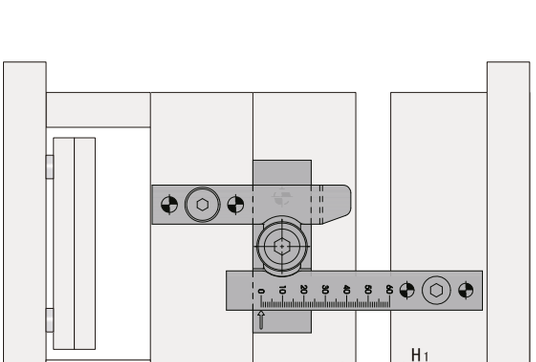
Mold opening sequence:View1 > View2 > View3

Mold closing sequence:View3 > View2 > View1

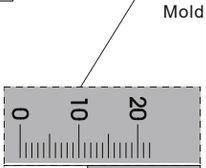
Functional chart:

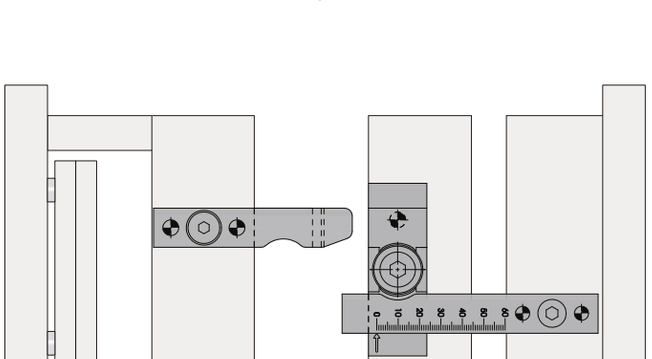


Mold closed



The first mold opened





Completely mold opened

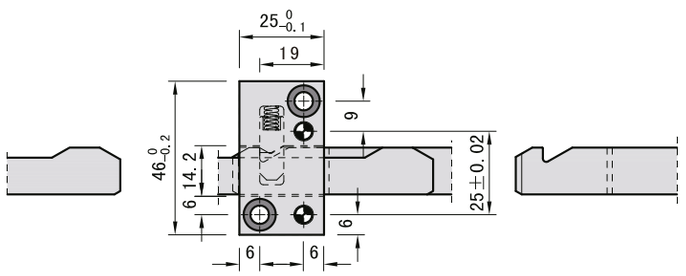
Code	Pulling force F(≤kgf)
KGGS-226616	200
KGGS-368619	400
KGGS421024	800

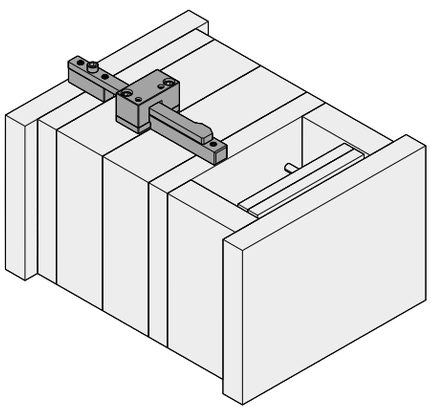
KONEK PSN

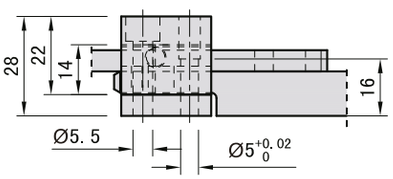
DIN

Latch locks

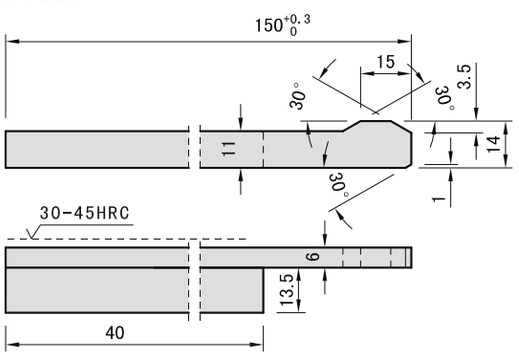
KPPLSW

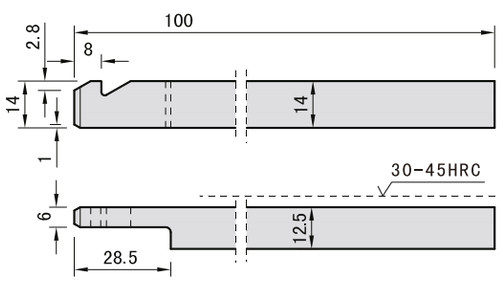




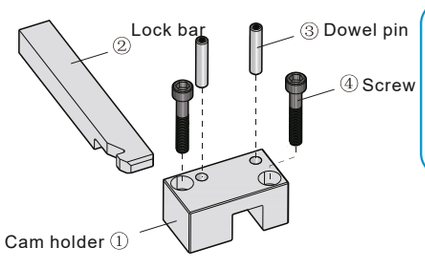


KPPLSW





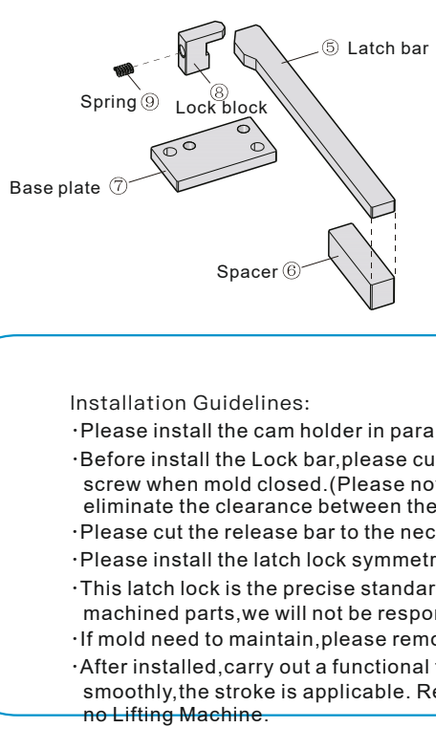
Product space chart:



Features:
1. Due to double-sided locking system,safe and reliable.
2. High-frequency heat-treatment,easy to process mounting hole on the tail of latch bar and control bar.

DIN

Latch locks

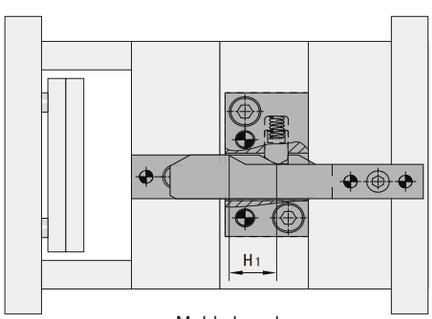


Pos	Part name	Material	Hardness	Specification	Q'ty
1	Cam holder	SKD61	50-55HRC	-	1
2	Control bar	SKS3	58-62HRC		
3	Housing	-	-	Ø5×25	2
4	Screw	-	-	M5×30	
5	Latch bar	SKS3	50-55HRC	-	1
6	Spacer	S45C	-		
7	Base plate	SKS3	50-55HRC		
8	Lock block	SKD11	58-62HRC		
9	Spring	-	-		

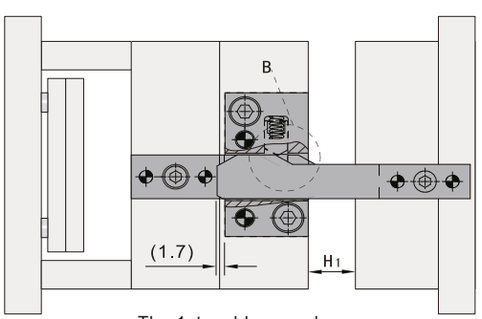
Installation Guidelines:

- Please install the cam holder in parallel to the parting line.
- Before install the Lock bar,please cut it to the necessary length,form the bolt hole. Please tighten the screw when mold closed.(Please note:Make sure in a fully position mold before fix the control bar,and eliminate the clearance between the lock bar and lock block).
- Please cut the release bar to the necessary length,and installation in parallel to the parting line.
- Please install the latch lock symmetrically at least two sets or more.
- This latch lock is the precise standardized item,please do not apply together with other own customer machined parts,we will not be responsible for the anomaly which caused by it.
- If mold need to maintain,please remove the latch locks first.
- After installed,carry out a functional test,check whether the individual parts of the latch lock units moves smoothly,the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.

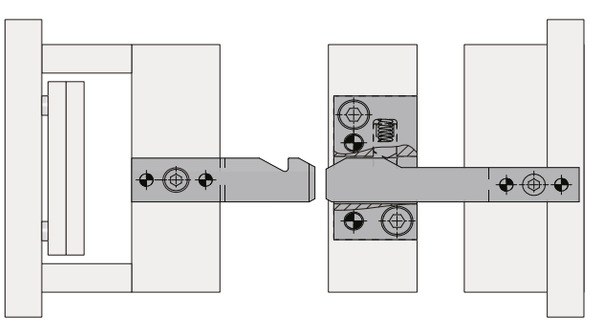
Functional chart:



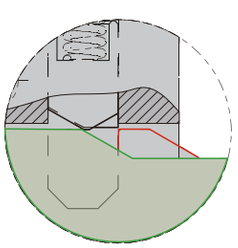
Mold closed



The 1st mold opened



Mold opened completely



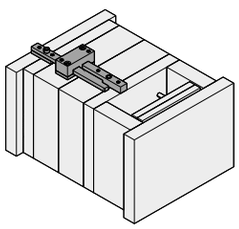
B section

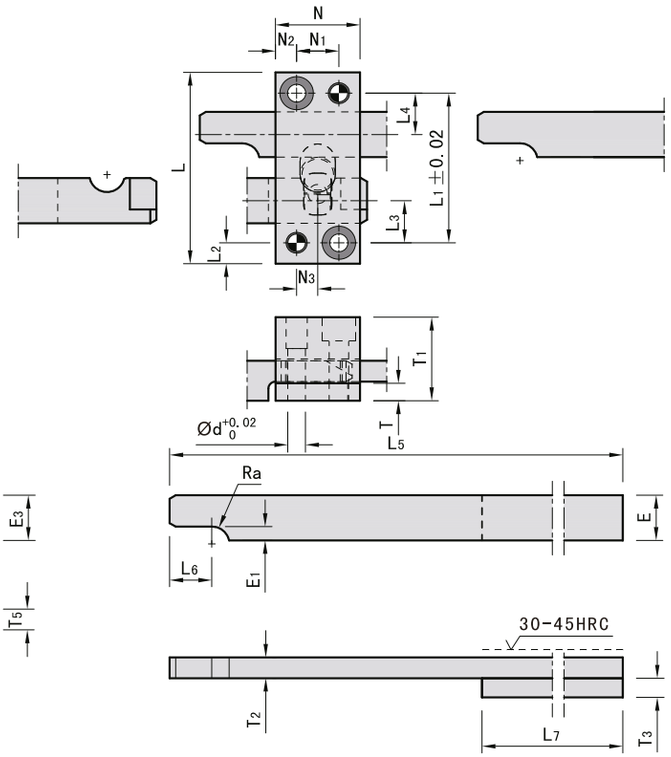
KONEK PSN

DIN

Latch locks

KPPLSZ
KPPLMZ



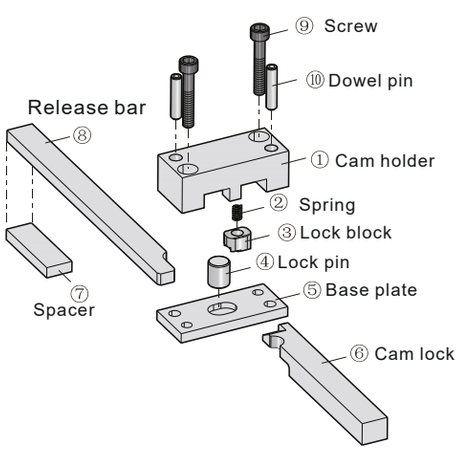


KPPLSZ

Code	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	N	N1	N2	N3
KPPLSZ	55	43	6	12	12	150	12	40	100	14	28	24	12	6	6
KPPLMZ	67	53	7	15	14	200	16	50	150	18	36	32	16	8	8

Code	d	E	E1	E3	E4	R	Ra	T	T1	T2	T3	T4	T5	
KPPLSZ	5	13	4	13	4	5	5	5	24	6	5.5	11.5	6	
KPPLMZ	6	16	5	18	5	6	6	6	32.5	10	6.5	16.5	10	

Product space chart:



Features:
1.Due to double-sided locking system,safe and reliable.
2.High-frequency heat-treatment,easy to process mounting hole on the tail of latch bar and control bar.

Pos	Part name	Material	Hardness	Specification		Q'ty
				PPLSZ	PPLMZ	
1	Cam holder	SKD61	50-55HRC	-	-	1
2	Spring	-	-			
3	Lock block					
4	Lock pin	SKD11	58-62HRC			
5	Base plate	S45C	-			
6	Cam lock	SKS3	58-62HRC			
7	Spacer	-	-			
8	Release bar	SKS3	58-62HRC			
9	Screw	-	-	M5×25	M6×35	2
10	Dowel pin			Ø5×30	Ø6×35	

DIN

Latch locks

Installation Guidelines:

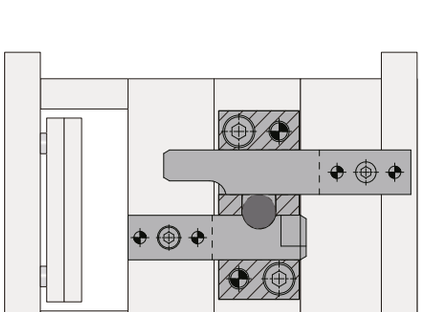
·Please install the cam holder in parallel to the parting line.

·Cut the cam lock to the necessary length, form the bolt holes and reamer pilot holes, tighten the cam lock with the bolts while pulling it, carry out position adjustment by matching with the actual part, form the dowel holes, and fix the cam lock.

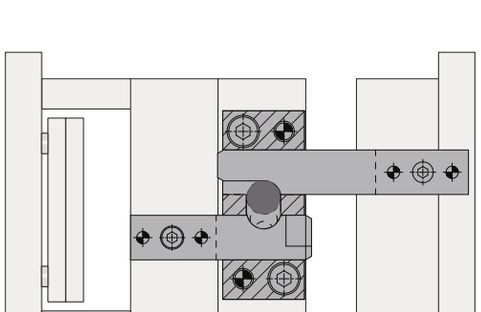
·Please cut the release bar to the necessary length,and install it perpendicularly to the mold. Make sure overhang length L of each release bar the same in order to equalize the release points. (Maintain proper alignment of the release points to avoid uneven contact and resultant breakage.)

·Please install the latch lock symmetrically at least two sets or more.

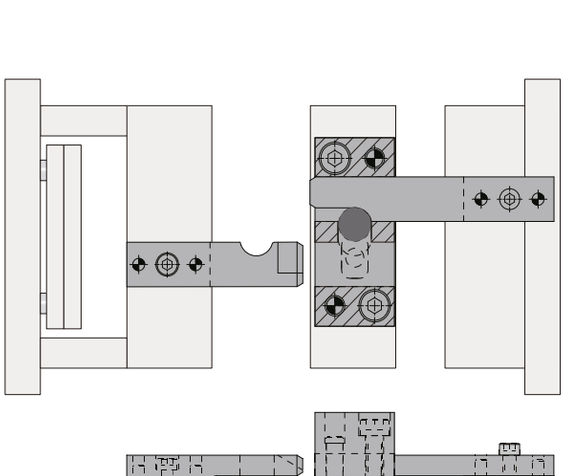
Functional chart:



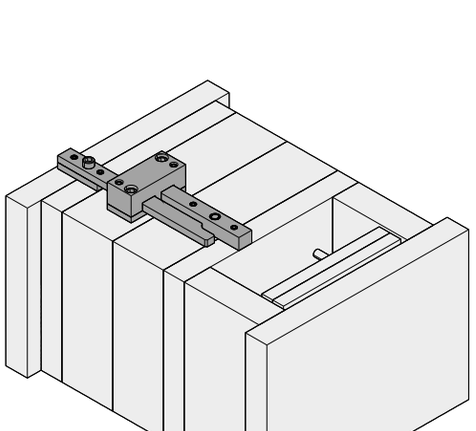
Mold colosed



The 1st mold opened



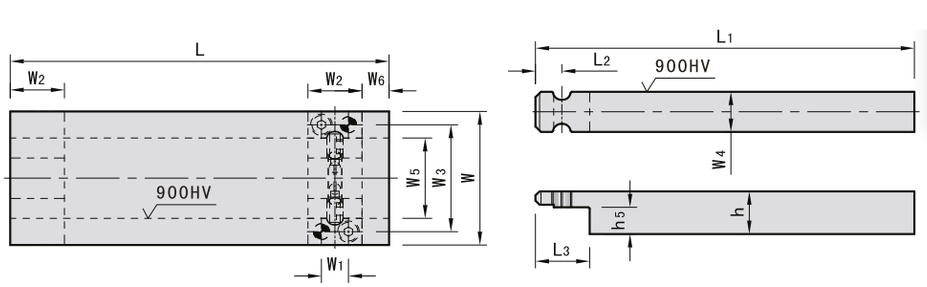
Mold opened completely

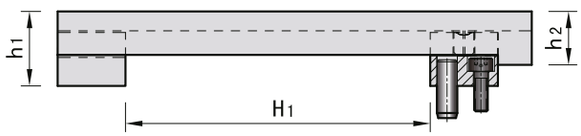


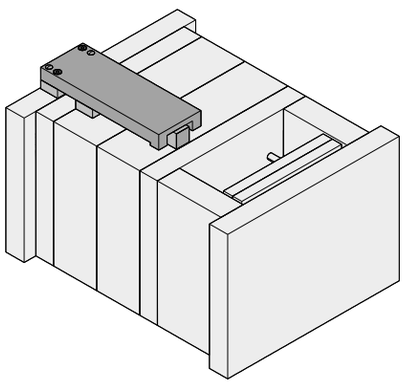
DIN

Latch locks

KZZ174







Features:

1.Due to double-sided locking system ,safe and reliable.
2.The key parts are made of SKD11,with high wearproof ,more durable.
3.With the extended HV stroke latch bar ,extensively usage.
4.Big locking force .choose corresponding quantity and code according to mould size and load.
(reserve three code to choose)

W	H1		L	L1	L2	L3	Dowel pin	Pulling force Max. F(kgf)	Mounting screws
	max.	min.							
50	90	4	140	140	9.75	20	6×20	1600	M4×12
	130		180	180					
80	117	5.5	200	200	16.75	34		2700	M6×16
	167		250	250					
100	145	7			22.25	45	8×24	4800	M8×18
	195		300	300					

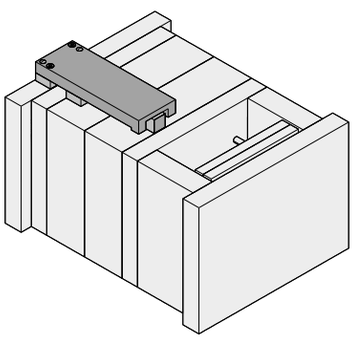
W1	W2	W3	W4	W5	h	h1	h2	h5	
10	20	40	15	30.05	16	22.3	16	10	
16	34	60	20	40.05	21	30.3	22	13	
22	45	80	25	60.05	27	37.5	27	16	

kgf=N 0.101972

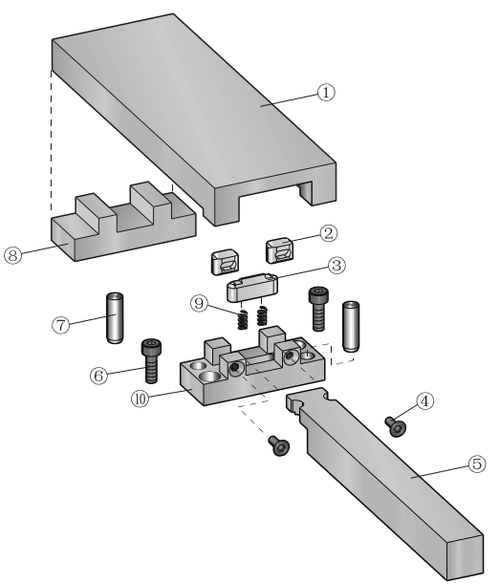
DIN

Latch locks

KZZ174



Product space chart:

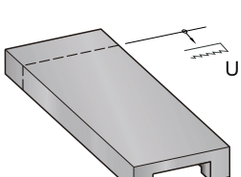


Pos	Parts name	Material	Hardness
1	Control Bracket	718H	≈900HV
2	Catch	SKD11	58-62HRC
3	Stop		
5	Latch bar	718H	28-38HRC
8	Spacer	S45C	-
10	Catch housing	718H	28-38HRC

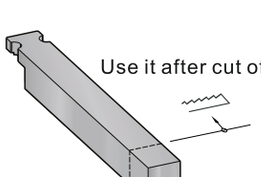
Installation Guidelines:

- Installed ball slide ,request parallel with joint face to install.
- Installed insert bar ,cut off insert bar length according to real demand .and processing screw holes . make sure mould completely closed mould before locking screw .at the same eliminate the space between insert bar and ball .then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould ,According to stroke to confirm body length. Ensure various parts install correctly and normal running,then to do with body and install fixed position dowel pin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets ,please notes same stroke and symmetrical install during opening mould ,if no symmetrical install or different stroke will cause lath lock break.
- Coordinate function test ,check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.

Body cut off drawing:



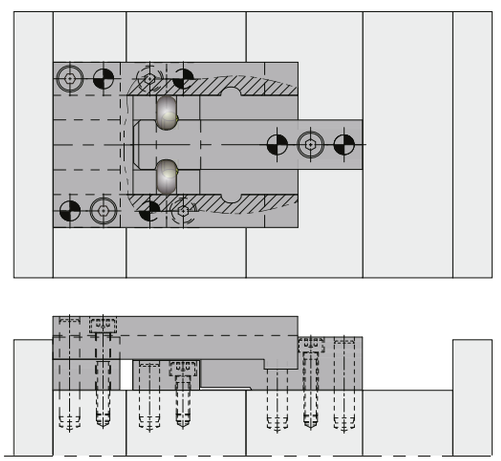
Insert bar cut off drawing:



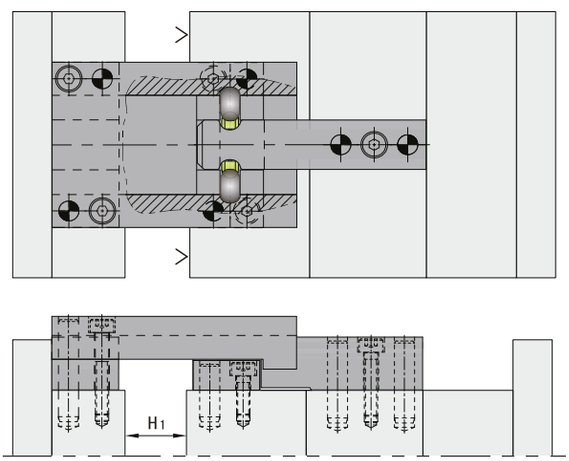
DIN

Latch locks

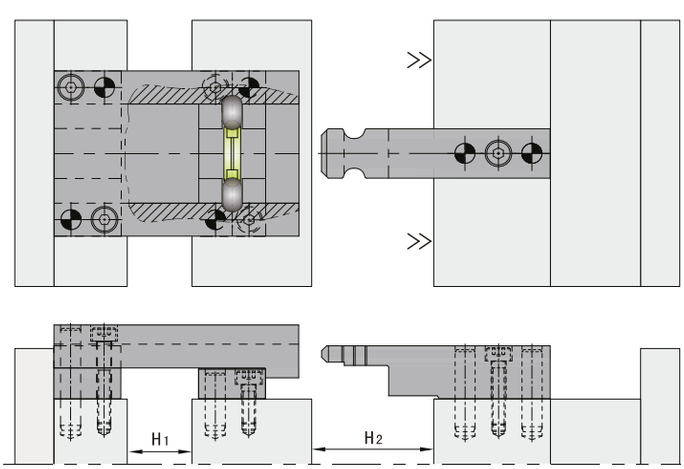
Functional chart:



Mold closed



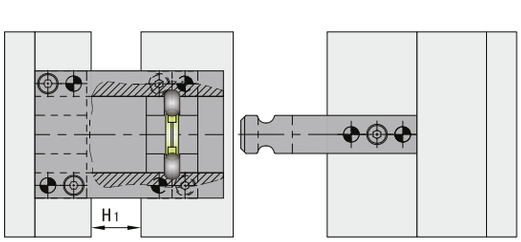
Drawing 2 first opening (closed) mould finished



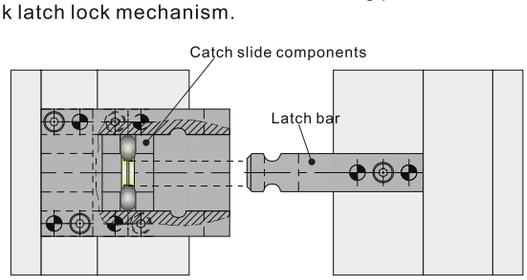
Second opening mould

This latch lock with control opening and closed mould function opening mould sequence:
drawing 1>drawing 2>drawing 3
closed mould sequence :
drawing 3>drawing 2>drawing 1

Warning:
As below drawing show, when insert bar release ball slide parts. must be sure ball slide in this A drawing position, otherwise will cause insert bar can't insert into ball slide and break latch lock mechanism.



A Right ☑



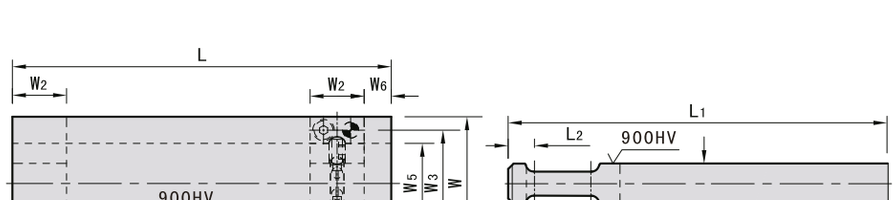
B Wrong ☒

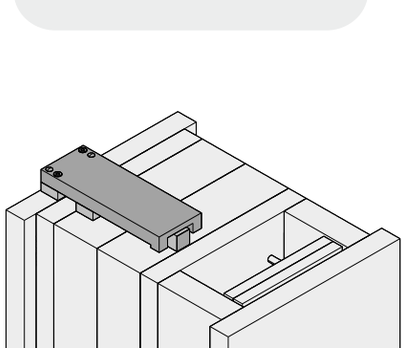
KONEK PSN

DIN

Latch locks

KZZ174





Features:

1.1.Due to double-sided locking system, safe and reliable.
2.The key parts are made of SKD11, with high wearproof, more durable.
3.With the extended HV stroke latch bar, extensively usage.
4.Big locking force. choose corresponding quantity and code according to mould size and load.(reserve three code to choose)

W	H1		Hv	L	L1	L2	L3	Dowel pin	Pulling force Max. F(kgf)	Mounting screws
	max.	min.								
50	90	4	20	140	140	9.75	20	6×20	1600	M4×12
	130		50	180	180					
80	117	5.5	32	200	200	16.75	34		2700	M6×16
	167		75	250	250					
100	145	7	50			22.25	45	8×24	4800	M8×18
	195		80	300	300					

W1	W2	W3	W4	W5	h	h1	h2	h5	@¥/P
10	20	40	15	30.05	16	22.3	16	10	
16	34	60	20	40.05	21	30.3	22	13	
22	45	80	25	60.05	27	37.5	27	16	

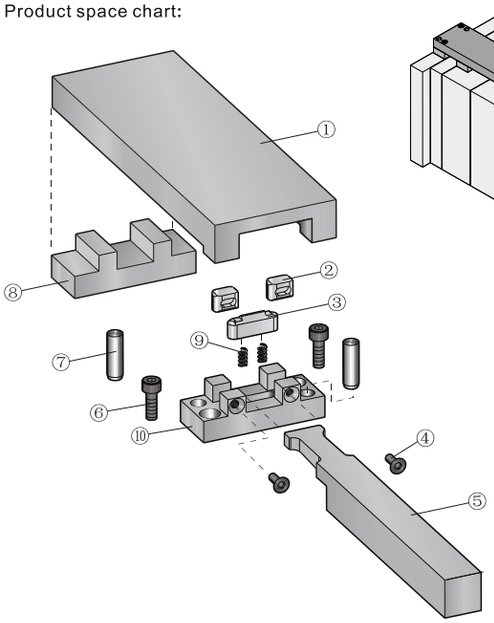
kgf=N × 0.101972

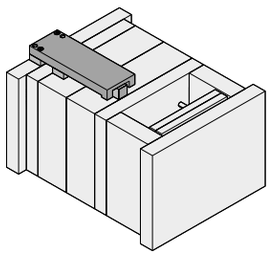
DIN

Latch locks

KZZ174

Product space chart:





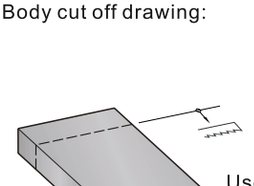
Screw (4)no real application function, before latch lock installed on the mould, prevent ball slide (2)drop out or forget during installing.

Pos	Parts name	Material	Hardness
1	Control Bracket	718H	≈900HV
2	Catch	SKD11	58-62HRC
3	Stop		
5	Latch bar	718H	28-38HRC
8	Spacer	S45C	-
10	Catch housing	718H	28-38HRC

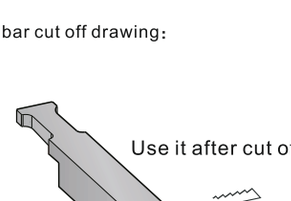
Installation Guidelines:

- Installed ball slide, request parallel with joint face to install.
- Installed insert bar, cut off insert bar length according to real demand.and processing screw holes. mould HV stroke in completely opening condition. at the same eliminate the space between insert bar and ball.then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould,According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed position dowel pin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould,if no symmetrical install or different stroke will cause lath lock break.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.

Body cut off drawing:



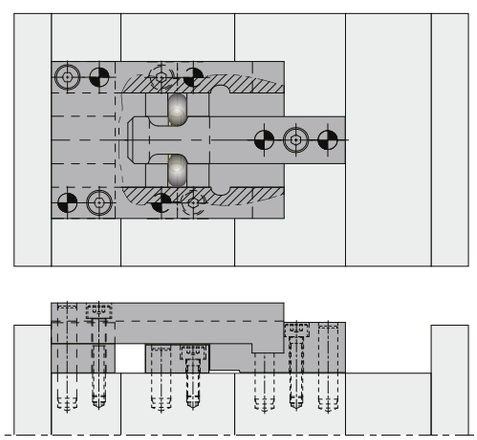
Insert bar cut off drawing:



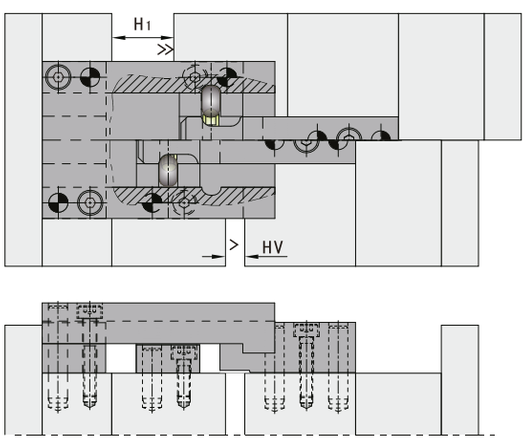
DIN

Latch locks

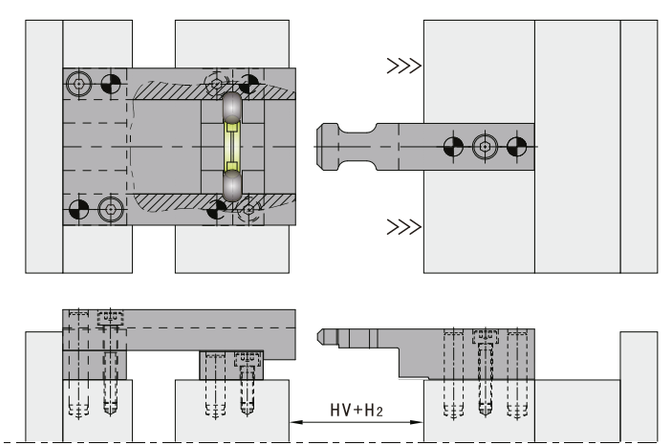
Functional chart(Hv):



Mold closing



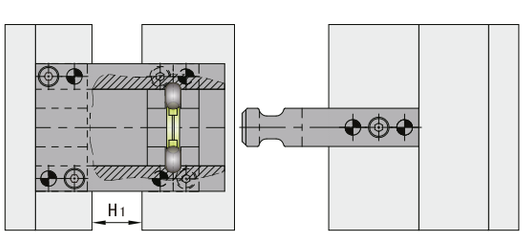
Drawing 2 first opening（closed）mould finished



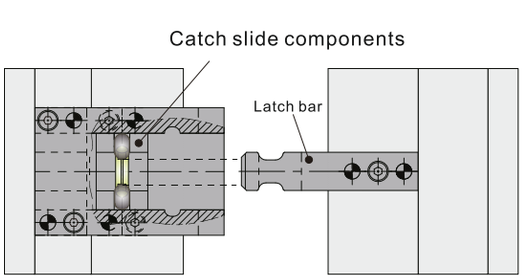
Second opening mould

This latch lock with control opening and closed mould function:
opening mould sequence:
drawing 1>drawing 2>drawing 3
closed mould sequence:
drawing 3>drawing 2>drawing 1

Warning:
As below drawing show, when insert bar release ball slide parts. must be sure ball slide in this A drawing position, otherwise will cause insert bar can't insert into ball slide and break latch lock mechanism.



A Right ☑



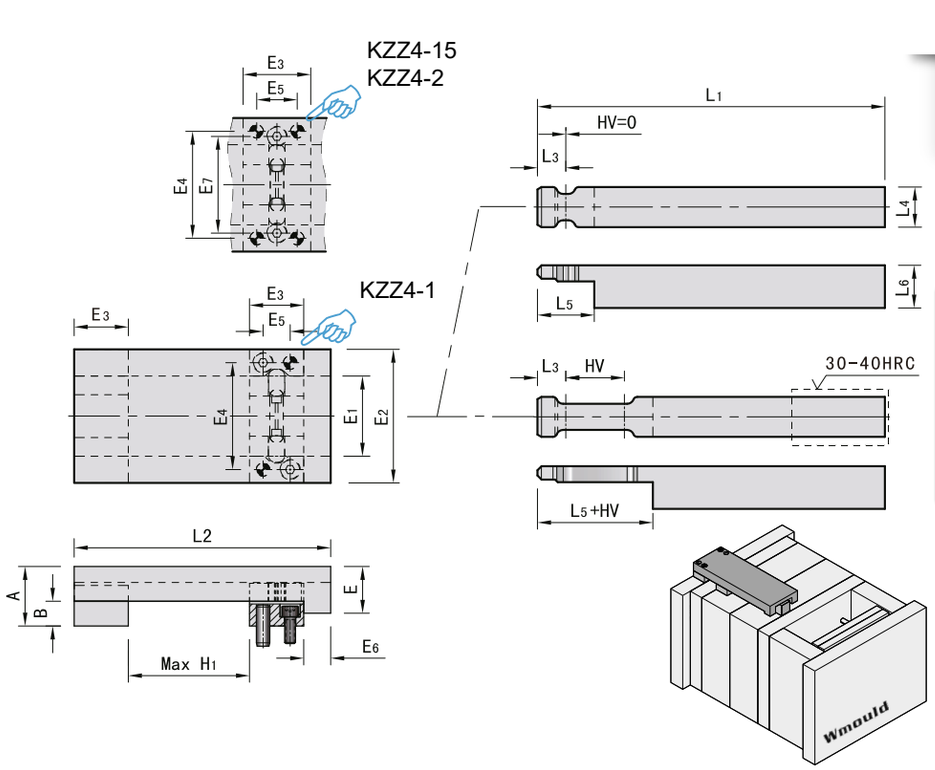
B Wrong ☒

KONEK PSN

DIN

Latch locks

KZZ4



Features:
1.Due to double-sided locking system, safe and reliable .
2.The end of insert bar high frequency annealing treatment .easy to install and processing.
3.With the extended HV stroke latch bar ,extensively usage.

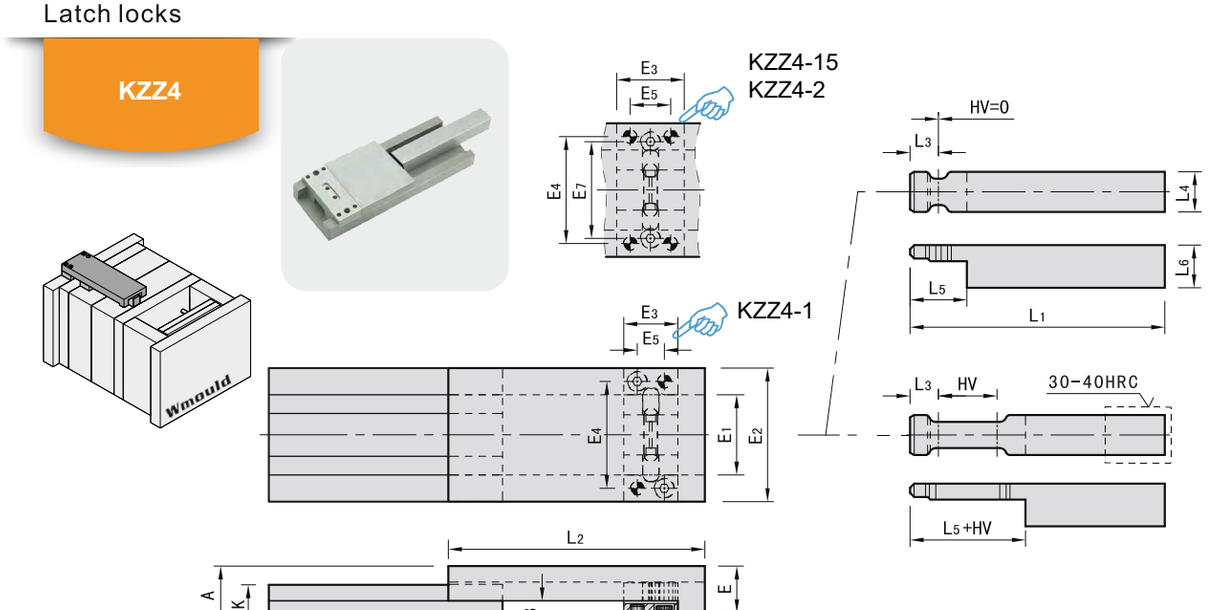
E2	Hv	A	B	H1	E	E1	E3	E4	E5	E6
50	0 25 50 75	22.3	9.3	96	17.5	30	20	40	10	10
75	0 25 50 75	30.3	12.3	121	23.5	45	30	65	20	15
90	0 25 50 75	37.5	15.5	159	29	60	36	74	25	

Code	E7	L1	L2	L3	L4	L5	L6	Dowel pin	Mounting screws	
ZZ4- 1- 0-0	-	146	146	10	15	21	16	Ø5×16	M4×12	
ZZ4- 1-25-0										
ZZ4- 1-50-0										
ZZ4- 1-75-0										
ZZ4-15- 0-0	56	196	196	15	20	31	21	Ø5×20	M8×16	
ZZ4-15-25-0										
ZZ4-15-50-0										
ZZ4-15-75-0										
ZZ4- 2- 0-0	74	246	246	18	25	38	27	Ø6×20	M8×20	
ZZ4- 2-25-0										
ZZ4- 2-50-0										
ZZ4- 2-75-0										

DIN

Latch locks

KZZ4



Features:
1.Due to double-sided locking system, safe and reliable.
2.The end of insert bar high frequency annealing treatment.easy to install and processing.
3.With the extended HV stroke latch bar, extensively usage.

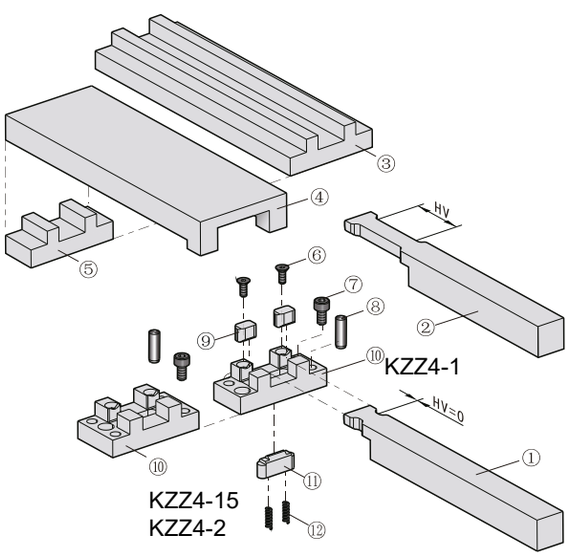
E2	Hv	H1	A	B	F	E	E1	E3	E4	E5	E6	E7
50	0 25 50 75	96	22.3	9.3	146	17.5	30	20	40	10	10	-
75	0 25 50 75	121	30.3	12.3	196	23.5	45	30	65	20	15	56
90	0 25 50 75	159	37.5	15.5	246	29	60	36	74	25		74

Code	K	L1	L2	L3	L4	L5	L6	Dowel pin	Mounting screws	
ZZ4- 1- 0-41	16	146	146	10	15	21	16	Ø5×16	M4×12	
ZZ4- 1-25-41										
ZZ4- 1-50-41										
ZZ4- 1-75-41										
ZZ4-15- 0-41	21	196	196	15	20	31	21	Ø5×20	M8×16	
ZZ4-15-25-41										
ZZ4-15-50-41										
ZZ4-15-75-41										
ZZ4- 2- 0-41	27	246	246	18	25	38	27	Ø6×20	M8×20	
ZZ4- 2-25-41										
ZZ4- 2-50-41										
ZZ4- 2-75-41										

DIN

Latch locks

Product space chart:



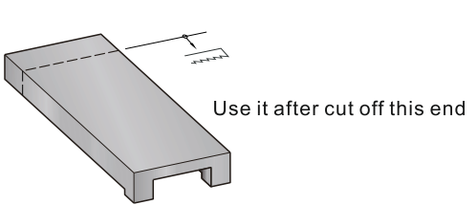
1.screw (6)no real application function, before latch lock installed on the mould , prevent ball slide (9)drop out or forget during installing.
2.ZZ4-15, ZZ4-2 compare with ZZ4-1 add 2pcs dowel pin.

Pos	Parts name	Material	Hardness
1	Latch bar	Cr12MoV	55-58HRC
2			
3	Spacer	S45C	-
4	Control Bracket	718H	≈900HV
5	Spacer	S45C	-
9	Catch	SKD11	58-62HRC
10	Catch housing	718H	28-38HRC
11	Stop	SKD11	58-62HRC

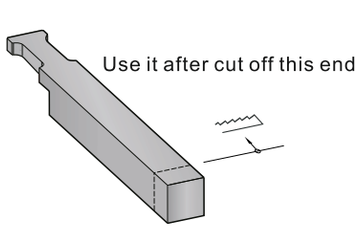
Installation Guidelines:

- Installed ball slide, request parallel with joint face to install.
- Installed insert bar, cut off insert bar length according to real demand.and processing screw holes. make sure mould is closed mould before locking tight the screw to do dowel pin holes.(Install insert bar with HV stroke, mould HV stroke shall be in completely opening condition. at the same eliminate the space between insert bar and ball .then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed dowel pin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets ,please notes same stroke and symmetrical install during opening mould ,if no symmetrical install or different stroke will cause lath lock break.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.

Body cut off drawing:



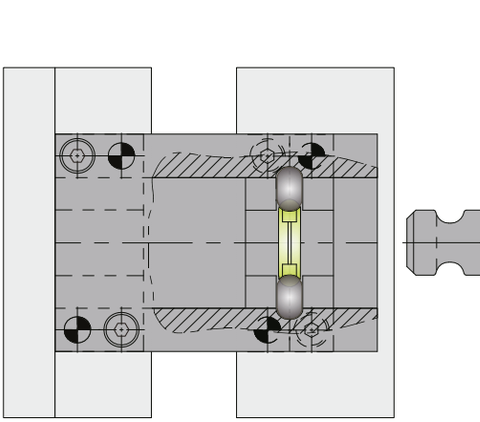
Insert bar cut off drawing:



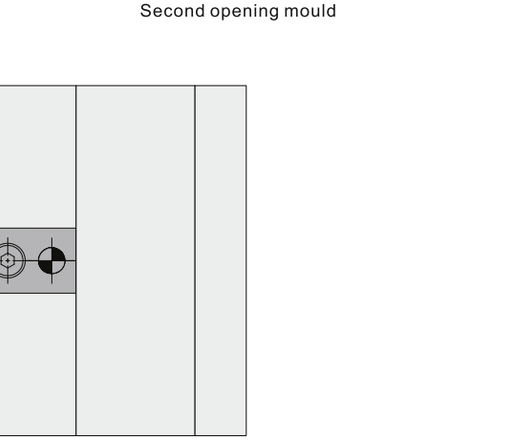
DIN

Latch locks

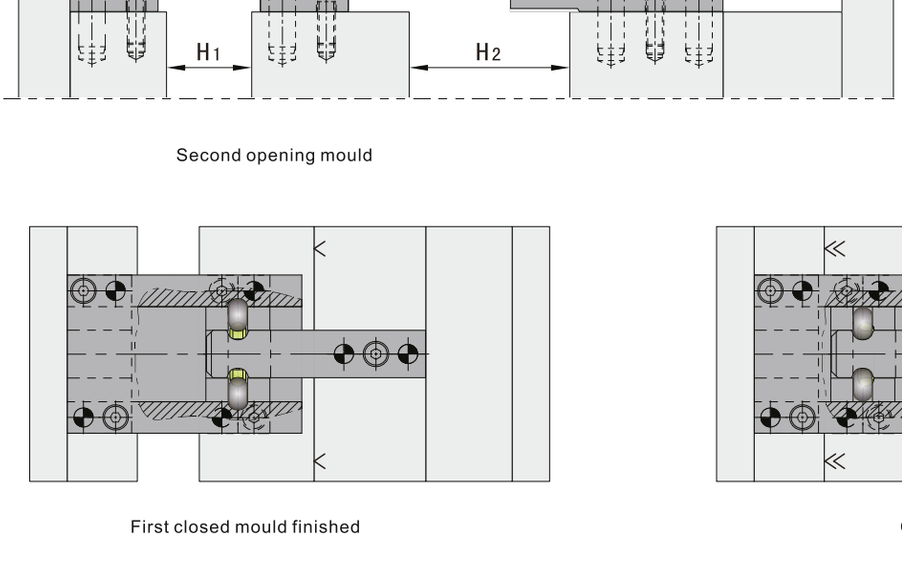
Functional chart(Hv=0):



Mold closed



Second opening mould



Second opening mould

This latch lock with control opening and closed mould function: opening mould sequence:drawing 1>drawing 2>drawing 3 closed mould sequence:drawing 3>drawing 4>drawing 5

First closed mould finished

Closed mould

DIN

Latch locks

Functional chart(Hv):

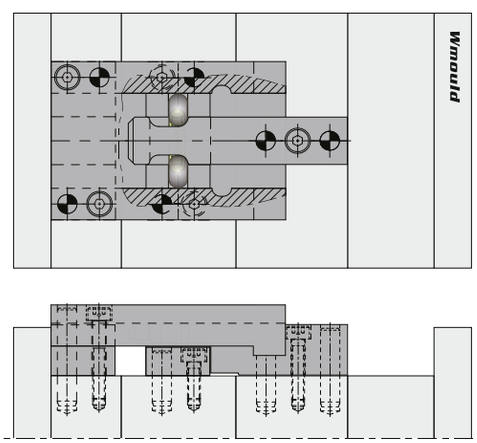


Diagram1 Mold closed

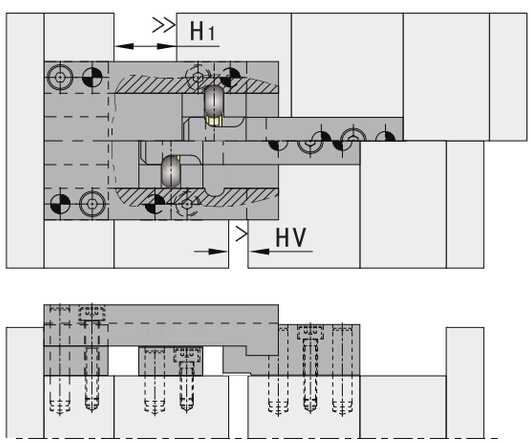


Diagram2: First finish opening(closed) mold

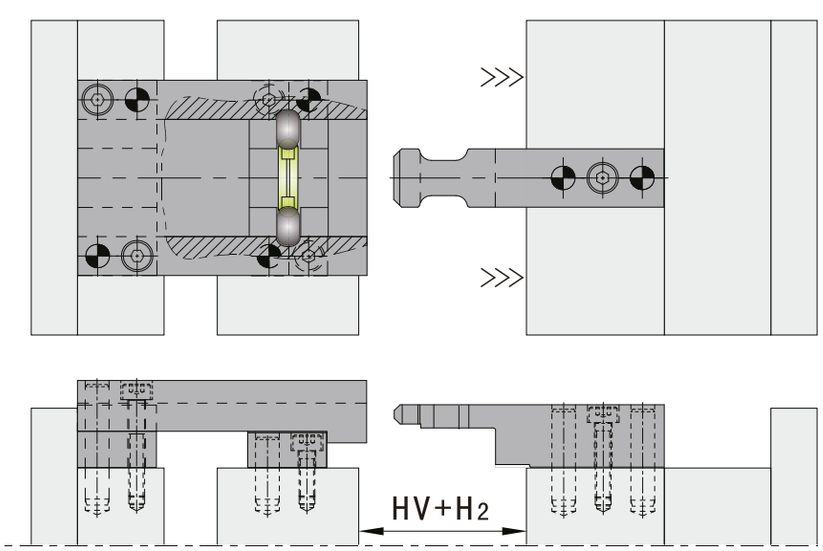
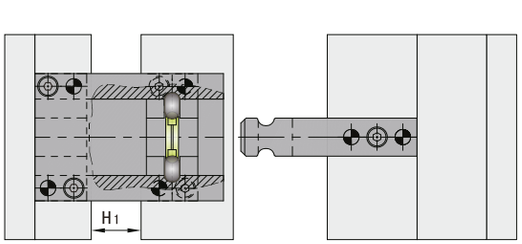


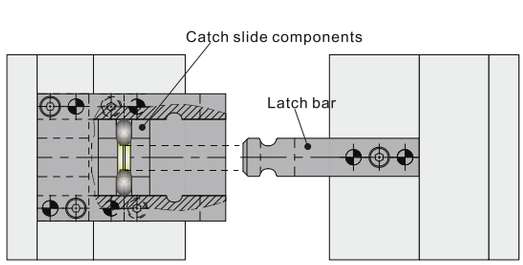
Diagram3: Second opening mould

This latch lock with control opening and closed mould function: opening mould sequence:drawing 1>drawing 2>drawing 3 closed mould sequence:drawing 3>drawing 2>drawing 1

Warning:
As below drawing show, when insert bar release ball slide parts.must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.



A Right ☑

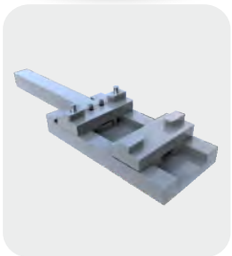


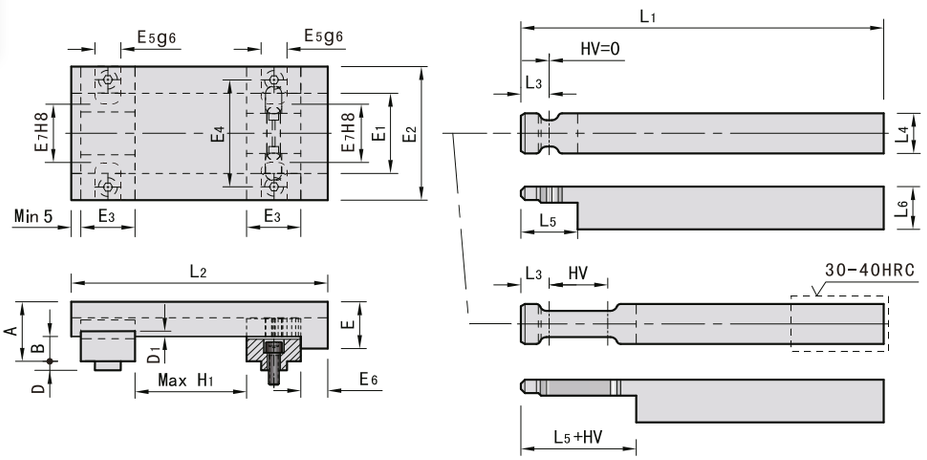
B Wrong ☒

DIN

Latch locks

KZZ4





Features:

1.Due to double-sided locking system ,safe and reliable.
2.The end of insert bar high frequency annealing treatment. easy to install and processing.
3.With the extended HV stroke latch bar, extensively usage.
4.Ball slide and the base of pad add a fixed position bulge, instead of traditional dowel pin to fixed position.

E2	Hv	H1	A	B	E	E1	E3	E4	E5	E6	E7
50	0 25 50 75	91	22.3	9.3	17.5	30	20	38	10	10	22
75	0 25 50 75	116	30.3	12.3	23.5	45	30	56	12	15	30
90	0 25 50 75	154	37.5	15.5	29	60	36	72	14		38

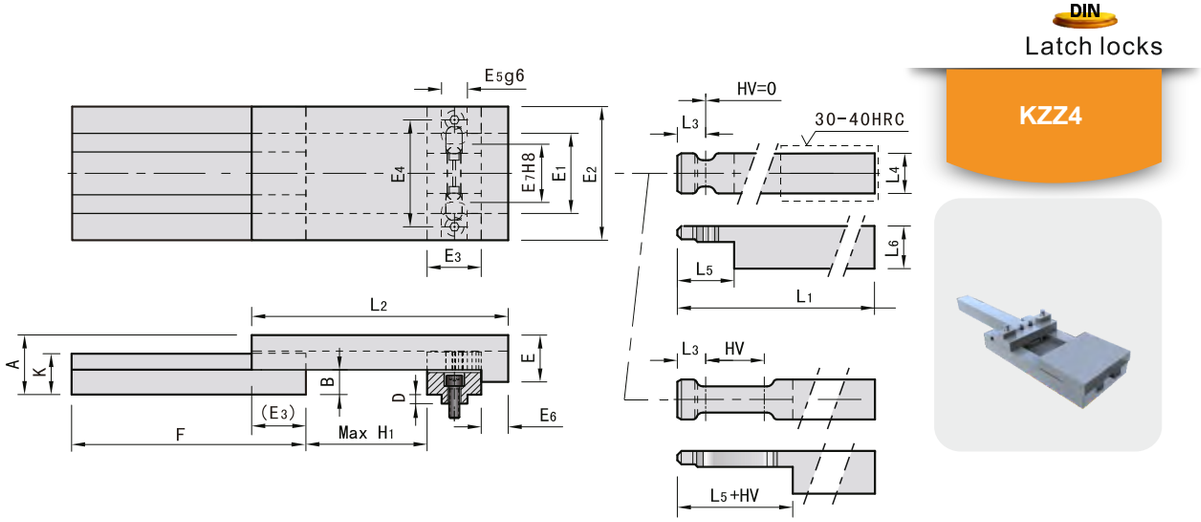
Code	D	D1	L1	L2	L3	L4	L5	L6	Mounting screws	
KZZ4-11- 0- 0 KZZ4-11-25-0 KZZ4-11-50-0 KZZ4-11-75-0	4	3	146	146	10	15	21	16	M 6×20	
KZZ4-16- 0- 0 KZZ4-16-25-0 KZZ4-16-50-0 KZZ4-16-75-0	5	4.5	196	196	15	20	31	21	M 8×25	
KZZ4-21- 0- 0 KZZ4-21-25-0 KZZ4-21-50-0 KZZ4-21-75-0	6	6	246	246	18	25	38	27	M10×30	

KONEK PSN

DIN

Latch locks

KZZ4



Features:
1.Due to double-sided locking system, safe and reliable.
2.The end of insert bar high frequency annealing treatment. easy to install and processing.
3.With the extended HV stroke latch bar, extensively usage.
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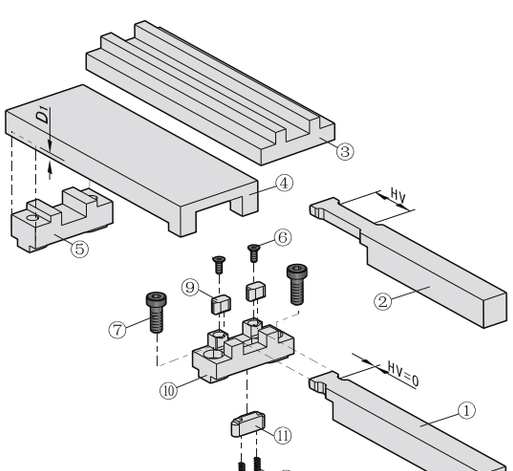
E2	Hv	H1	A	B	F	E	E1	E3	E4	E5	E6	E7
50	0 25 50 75	91	22.3	9.3	4	17.5	30	20	38	10	10	22
75	0 25 50 75	116	30.3	12.3	5	23.5	45	30	56	12	15	30
90	0 25 50 75	154	37.5	15.5	6	29	60	36	72	14		38

Code	K	L1	L2	L3	L4	L5	L6	D	Mounting screws	
KZZ4-11- 0- 41	16	146	146	10	15	21	16	4	M 6×20	
KZZ4-11-25-41										
KZZ4-11-50-41										
KZZ4-11-75-41										
KZZ4-16- 0- 41	21	196	196	15	20	31	21	5	M 8×25	
KZZ4-16-25-41										
KZZ4-16-50-41										
KZZ4-16-75-41										
KZZ4-21- 0- 41	27	246	246	18	25	38	27	6	M10×30	
KZZ4-21-25-41										
KZZ4-21-50-41										
KZZ4-21-75-41										

DIN

Latch locks

Product space chart:



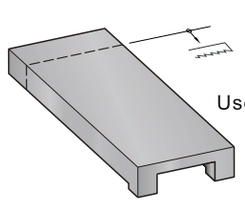
Pos	Parts name	Material	Hardness
1	Latch bar	Cr12MoV	55-58HRC
2			
3	Spacer	S45C	-
4	Control Bracket	718H	≈900HV
5	Spacer	S45C	-
9	Catch	SKD11	58-62HRC
10	Catch housing	718H	28-38HRC
11	Stop	SKD11	58-62HRC

Screw (6)no real application function, before latch lock installed on the mould, prevent ball slide (9)drop out or forget during installing.

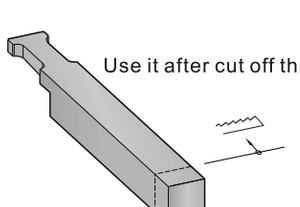
Installation Guidelines:

- Installed ball slide, request parallel with joint face to install.
- Installed insert bar, cut off insert bar length according to real demand. and processing screw holes. make sure mould is closed mould before locking tight the screw to do dowel pin holes.(Install insert bar with HV stroke, mould HV stroke shall be in completely opening condition. at the same eliminate the space between insert bar and ball .then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running,then to do with body and install fixed dowel pin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets ,please notes same stroke and symmetrical install during opening mould ,if no symmetrical install or different stroke will cause lath lock break.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.

Body cut off drawing:



Insert bar cut off drawing:



DIN

Latch locks

Functional chart(Hv=0):

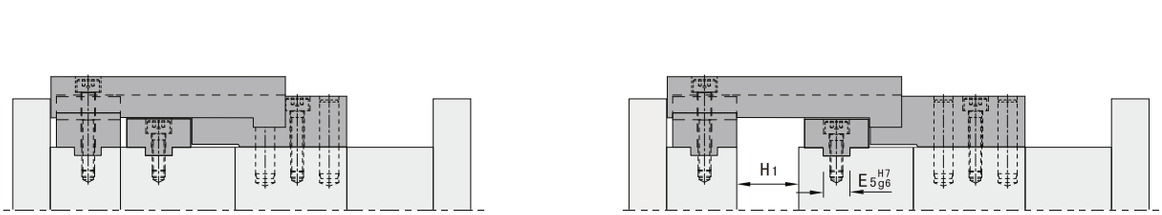


Diagram1: Mold closed

Diagram: First finish opening(closed) mold

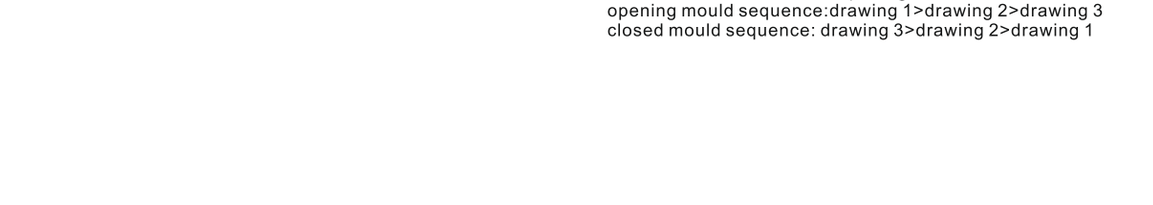


Diagram3: Second opening mould

This latch lock with control opening and closed mould function:
opening mould sequence:drawing 1>drawing 2>drawing 3
closed mould sequence: drawing 3>drawing 2>drawing 1

DIN

Latch locks

Functional chart(Hv):

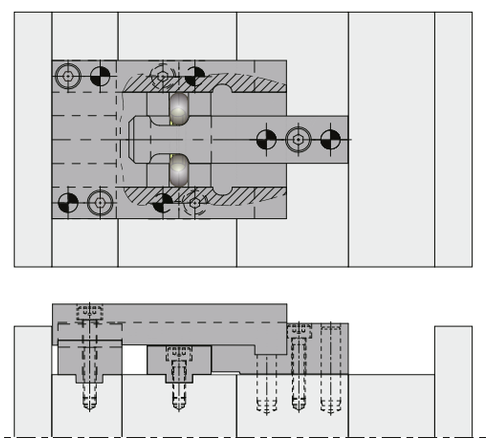


Diagram1: Mold closed

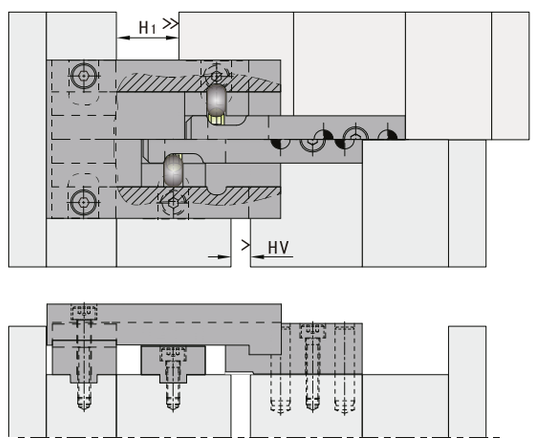


Diagram2: First finish opening(closed) mold

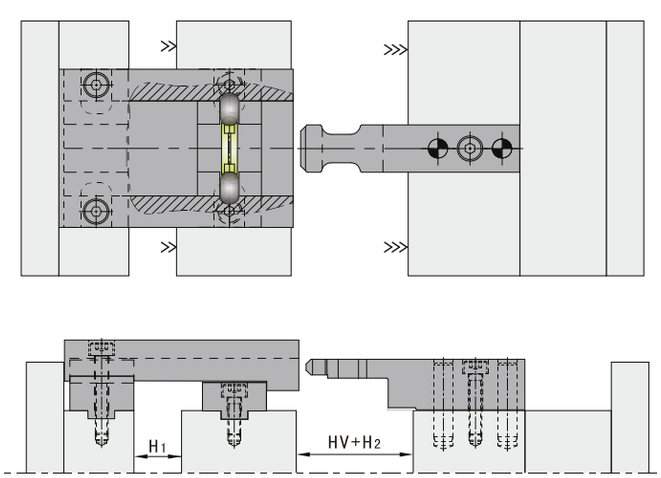
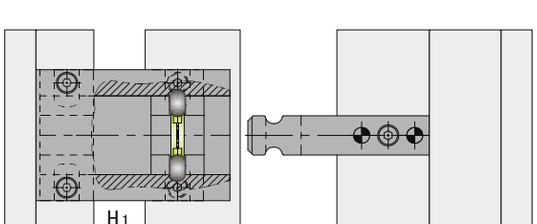


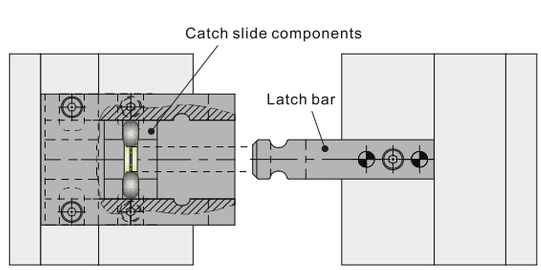
Diagram3: Second opening mould

This latch lock with control opening and closed mould function:
opening mould sequence:
drawing 1>drawing 2>drawing 3
closed mould sequence:
drawing 3>drawing 2>drawing 1

Warning:
As below drawing show, when insert bar release ball slide parts.must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.



A Right ☑



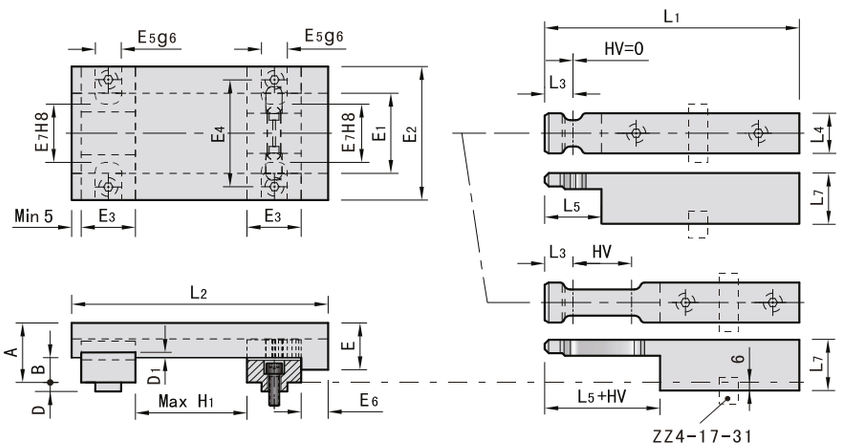
B Wrong ☒

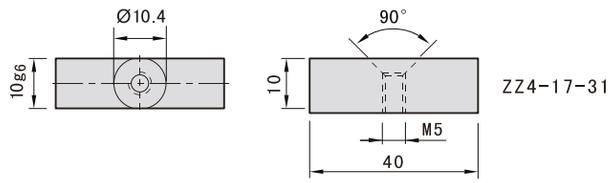
KONEK PSN

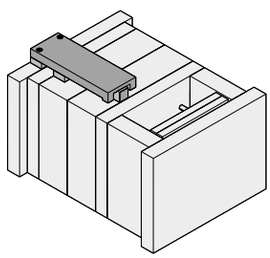
DIN

Latch locks

KZZ4







Features:
1.Due to double-sided locking system, safe and reliable.
2.The end of insert bar high frequency annealing treatment.asy to install and processing.
3.With the extended HV stroke latch bar, extensively usage.

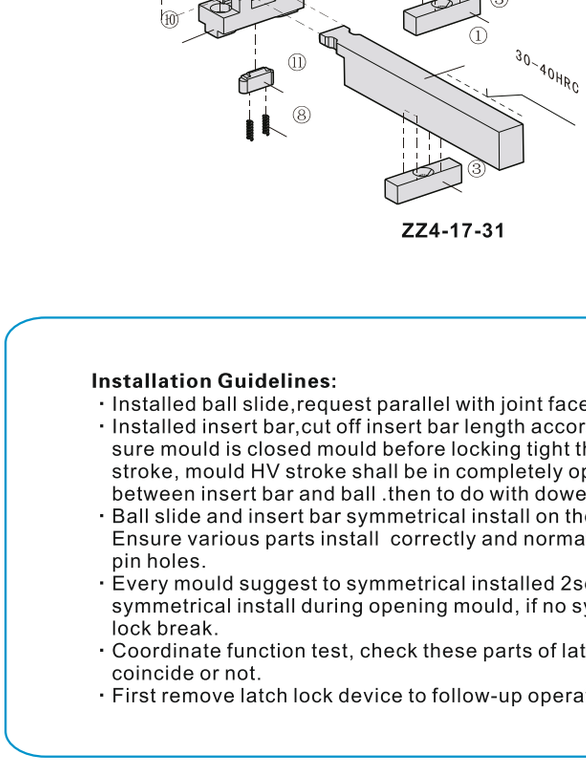
E2	Hv	H1	A	B	E	E1	E3	E4	E5	E6	E7
50	0 25 50 75	91	22.3	9.3	17.5	30	20	38	10	10	22
75	0 25 50 75	116	30.3	12.3	23.5	45	30	56	12	15	30
90	0 25 50 75	154	37.5	15.5	29	60	36	72	14		38

Code	D	D1	L1	L2	L3	L4	L5	L7	Mounting screws	
KZZ4-12- 0	4	3	146	146	10	15	21	22	M 6×20	
KZZ4-12-25										
KZZ4-12-50										
KZZ4-12-75										
KZZ4-17- 0	5	4.5	196	196	15	20	31	27	M 8×20	
KZZ4-17-25										
KZZ4-17-50										
KZZ4-17-75										
KZZ4-22- 0	6	6	246	246	18	25	38	33	M10×30	
KZZ4-22-25										
KZZ4-22-50										
KZZ4-22-75										

DIN

Latch locks

Product space chart:



ZZ4-17-31

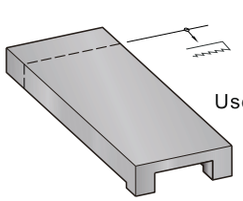
1. Screw (6)no real application function, before latch lock installed on the mould, prevent ball slide (9)drop out or forget during installing.
2. Use lock block can fixed position or self -processing dowel pin holes in insert bar.
3. The end of insert bar annealing treatment.

Pos	Parts name	Material	Hardness
1	Latch bar	Cr12MoV	55-58HRC
2			
3	Parallel Key	S45C	-
4	Control Bracket	718H	≈900HV
5	Spacer	S45C	-
9	Catch	SKD11	58-62HRC
10	Catch housing	718H	28-38HRC
11	Stop	SKD11	58-62HRC

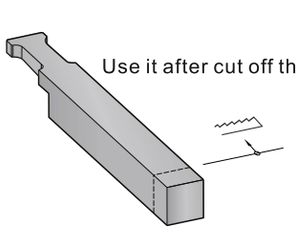
Installation Guidelines:

- Installed ball slide,request parallel with joint face to install.
- Installed insert bar,cut off insert bar length according to real demand .and processing screw holes. make sure mould is closed mould before locking tight the screw to do dowel pin holes.(Install insert bar with HV stroke, mould HV stroke shall be in completely opening condition. at the same eliminate the space between insert bar and ball .then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed dowel pin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets ,please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.

Body cut off drawing:



Insert bar cut off drawing:



DIN

Latch locks

Functional chart:

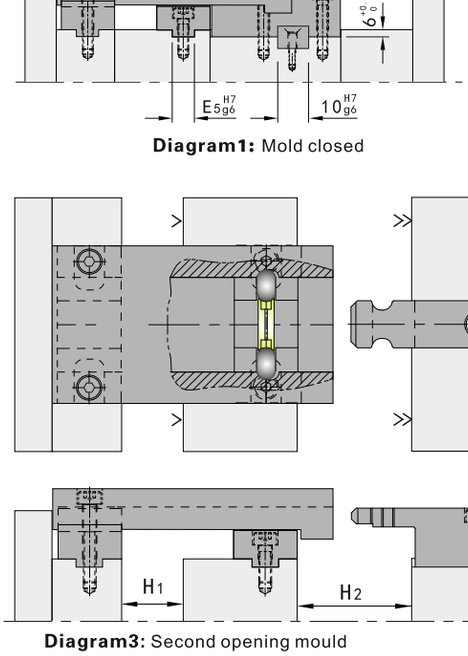


Diagram1: Mold closed

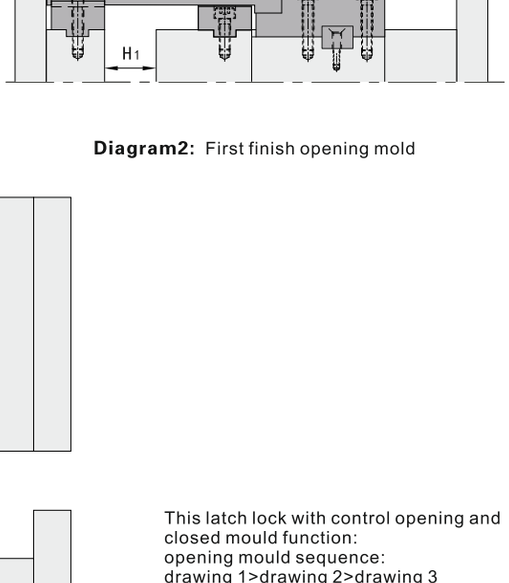


Diagram2: First finish opening mold

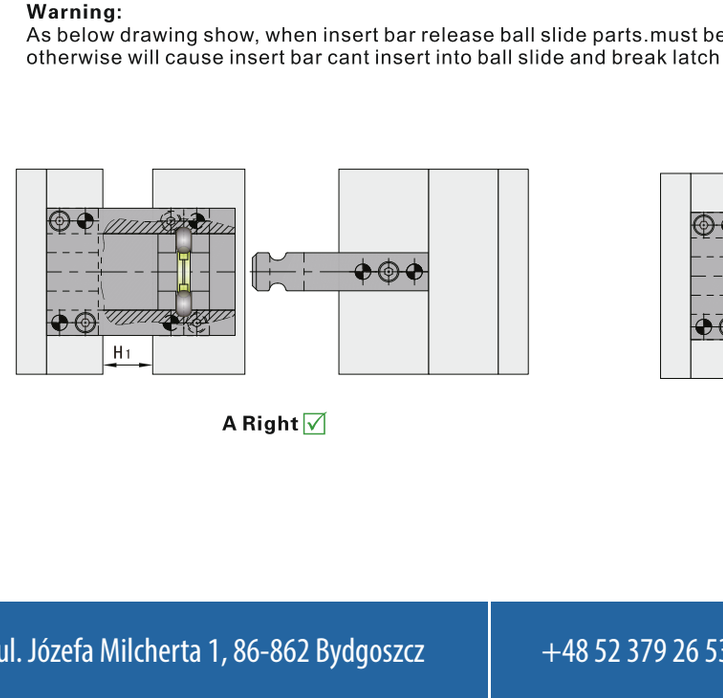


Diagram3: Second opening mould

This latch lock with control opening and closed mould function:
opening mould sequence:
drawing 1>drawing 2>drawing 3
closed mould sequence:
drawing 3>drawing 2>drawing 1

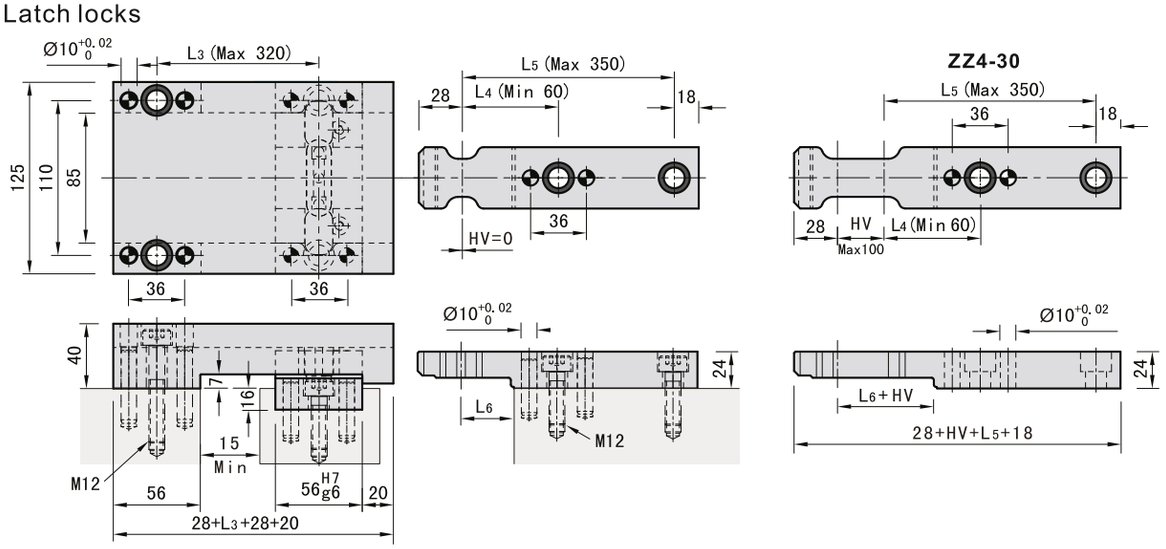
Warning:
As below drawing show, when insert bar release ball slide parts.must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.

A Right ☑

B Wrong ☒

DIN

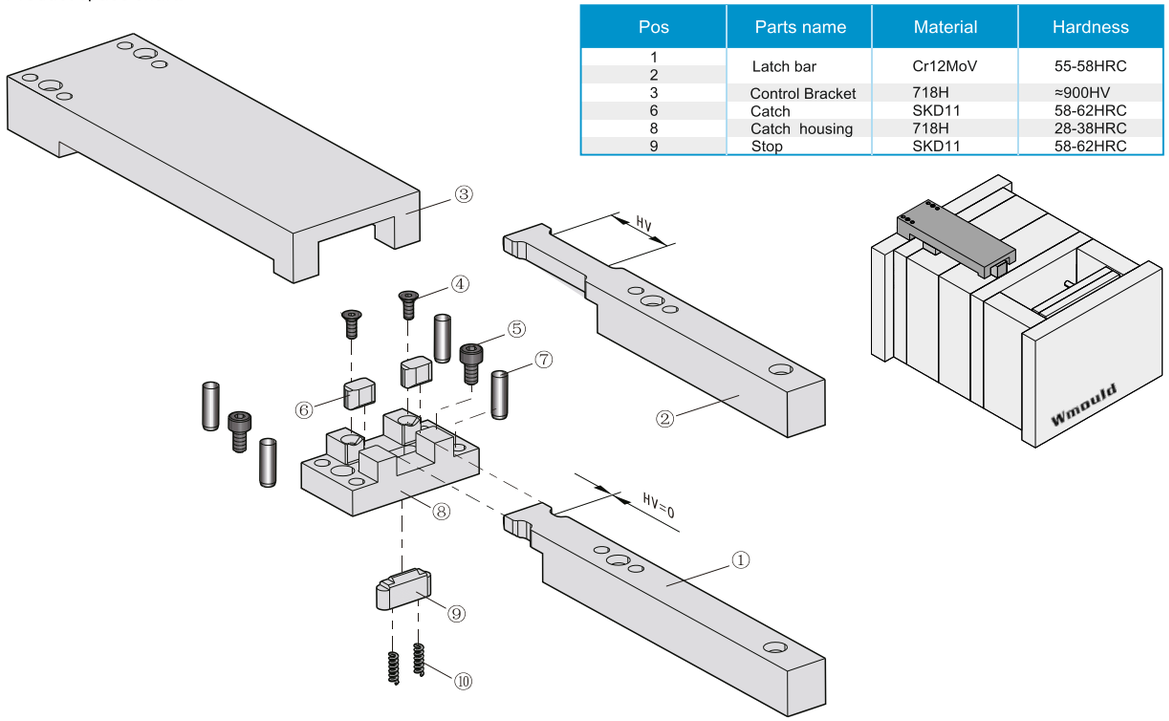
Latch locks



Features:
1.Due to double-sided locking system, safe and reliable.
2.This code isZZ4 series enhanced latch lock,bigger locking force ,apply to big mould
3.With the extended HV stroke latch bar, extensively usage.

Product space chart:

Pos	Parts name	Material	Hardness
1	Latch bar	Cr12MoV	55-58HRC
2			
3	Control Bracket	718H	≈900HV
6	Catch	SKD11	58-62HRC
8	Catch housing	718H	28-38HRC
9	Stop	SKD11	58-62HRC

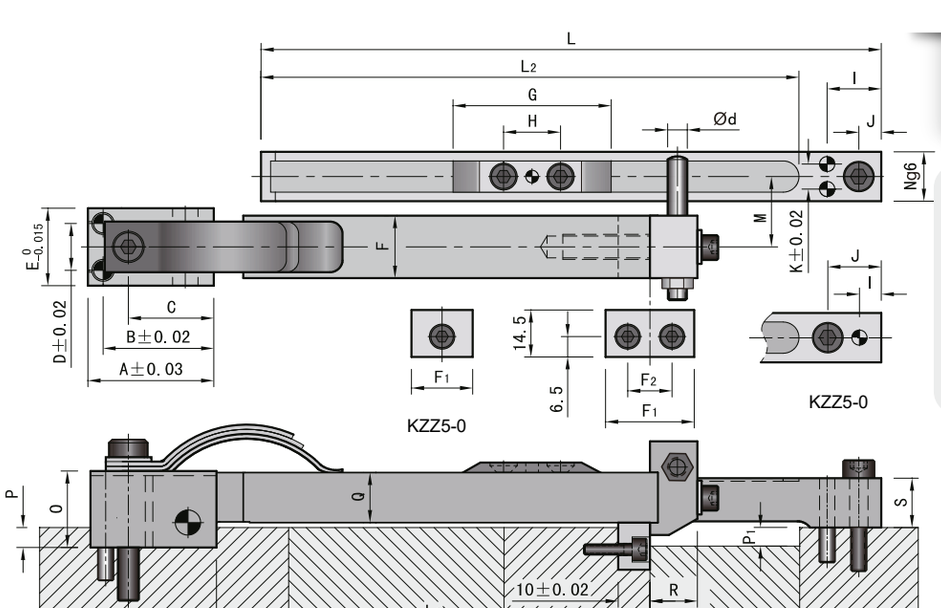


KONEK PSN

DIN

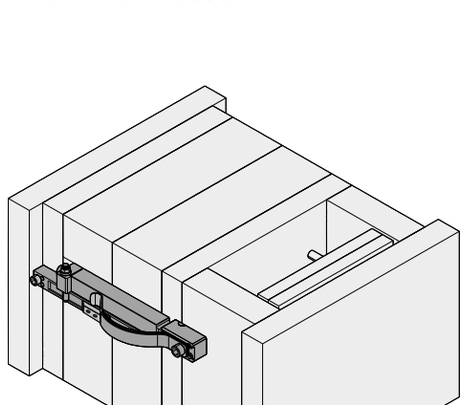
Latch locks

KZZ5



Features:

1.Unique spring design , safe and reliable.
2.Large pull force for latch . Suitable big mould.
3.External installation , easy to install and maintenance.



Code	A	B	C	D	E	F	F1	F2	G	H	I	J	K
KZZ5-0	39.8	35	27	15	24.8	20	20	18	50	18	6	16	-
KZZ5-1	60	52	40	16	30	25	30.1				16.5	8	10
KZZ5-2	80	70	55	20	40	30	30	18	75	20	19.5	10	

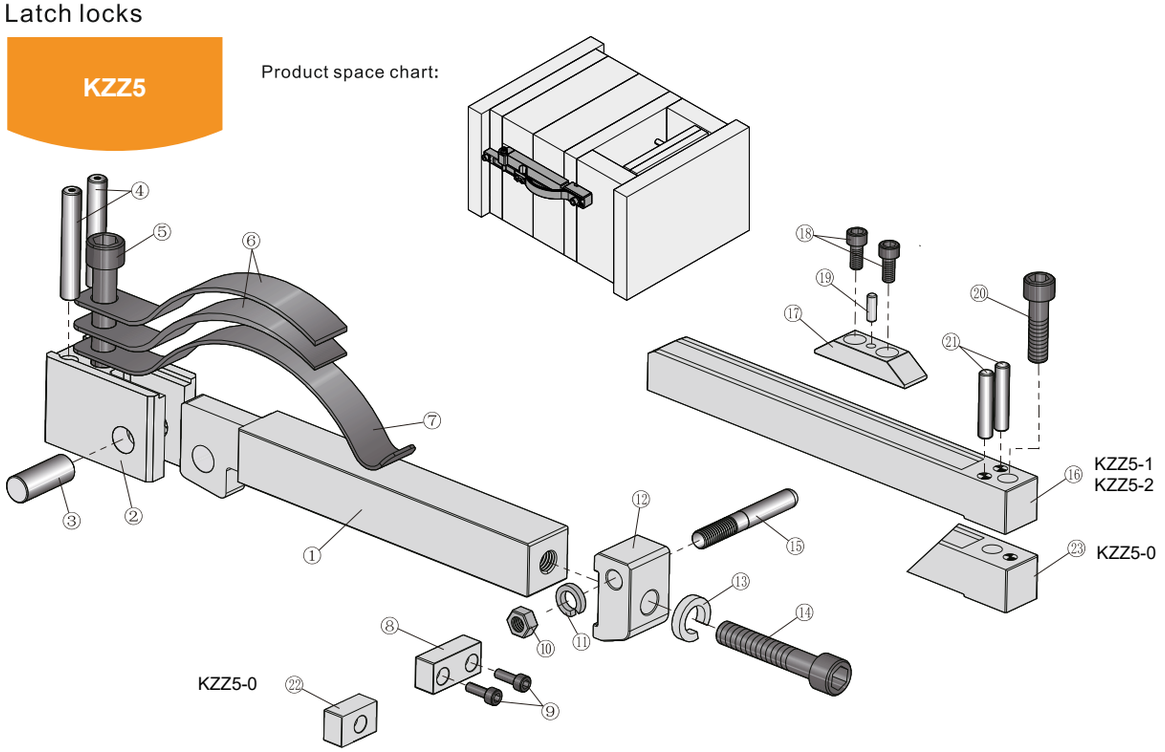
Code	L	L1	L2	d	S	M	N	O	P	P1	Q	R	
KZZ5-0	196	137	170	6.2	15.8	21	15.8	24.5	7.5	5	16	15	
KZZ5-1	200	170		8.2	20	25.5	20	40	14.5	6	25	20	
KZZ5-2	396	256	356	10.2	30	31	30	56		8.5	40	27	

DIN

Latch locks

KZZ5

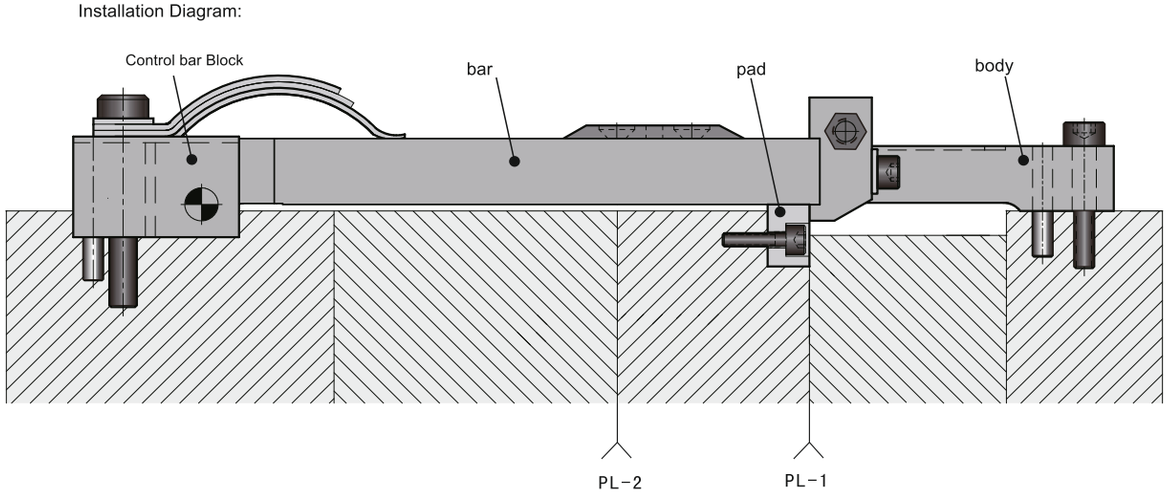
Product space chart:



Code \ Pos	4	5	9	14	18	19	20	21
KZZ5-0	Ø 6×32	M 8×40	M4×12	M 8×25	M4×12	M4×16	M8×30	Ø6×24
KZZ5-1	Ø 8×40	M10×55		M10×30	M5×12			Ø6×32
KZZ5-2	Ø10×60	M12×70		M16×50	M5×16		M8×40	Ø6×40

Pos	1	2	3	8、22	12	15	16、23	17
Parts Name	Latch arm	Control bar Block	Dowel Pin	Spacer	Catch	Pin	Control bracket	Fixed block
Material	P20	P20	SUJ2	S45C	SKD61	SKD61	P20	Cr12MoV
Hardness	26-33HRC	26-33HRC	58-62HRC	40-45HRC	50-54HRC	45-50HRC	26-33HRC	50-58HRC

Installation Diagram:



DIN

Latch locks

KZZ5

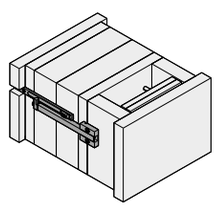
Installation Guidelines

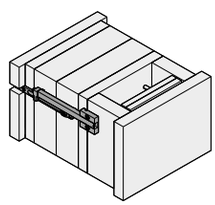
- Installed pad , pad parallel with joint face to install one mould plate by cup head screws.
- Installed bar fixing base , Use cup head screw make bar fixing base vertical with joint face , note eliminate the space between barb and pad .can cut off bar length to change bar fixed base installed position .
- Install body,by mean of body vertical joint face fixed on mould plate .
- Install stroke fixed block , lockings parts symmetrical install on the mould,make sure right install and normal running , then make dowel pin holes .
- Latch lock is precision device , please rely on real object to fixed position and symmetry install , Make sure same opening mould stroke , if no symmetrical install or different stroke will cause single set latch lock stress , lead to latch lock break due to imbalance force .
- Every mould suggest to installed 2sets or 4sets according to mould size to choose corresponding code.
- Notes the body of ZZ5-0 is fixed dowel pin holes , pad is a install screw holes.
- Coordinate function test , check these parts of latch lock structure whether smoothly and stroke coincide or not .
- First remove latch lock device to follow-up operation if need maintenance and change .

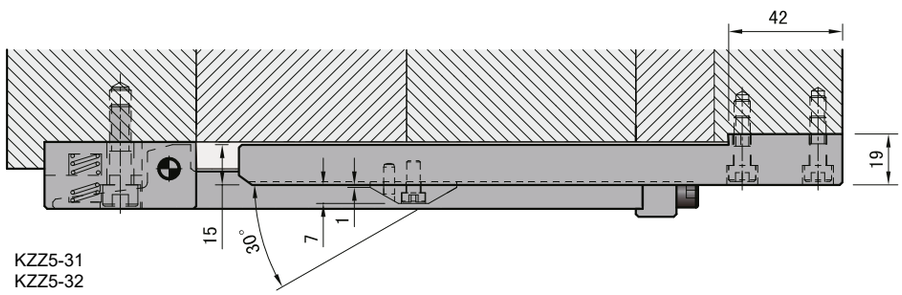
DIN

Latch locks

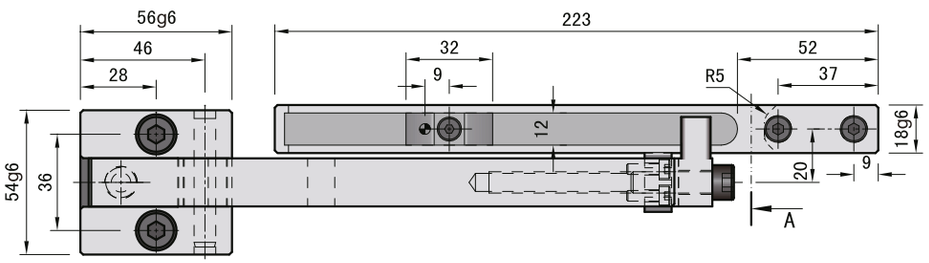
KZZ5



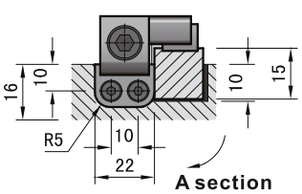




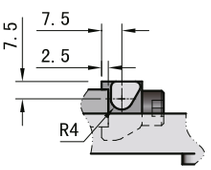
KZZ5-31
KZZ5-32



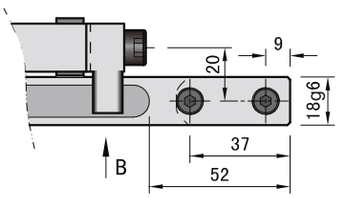
KZZ5-31
KZZ5-32



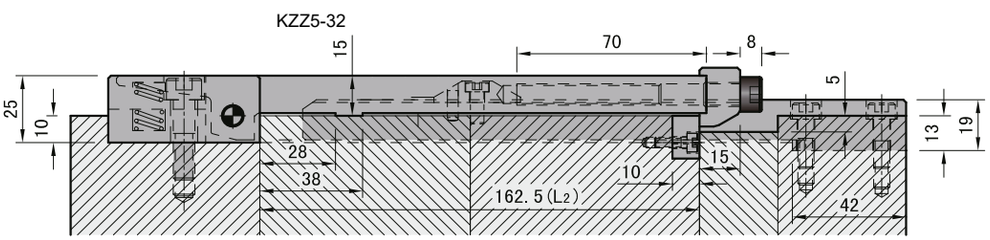
A section



B section



KZZ5-32

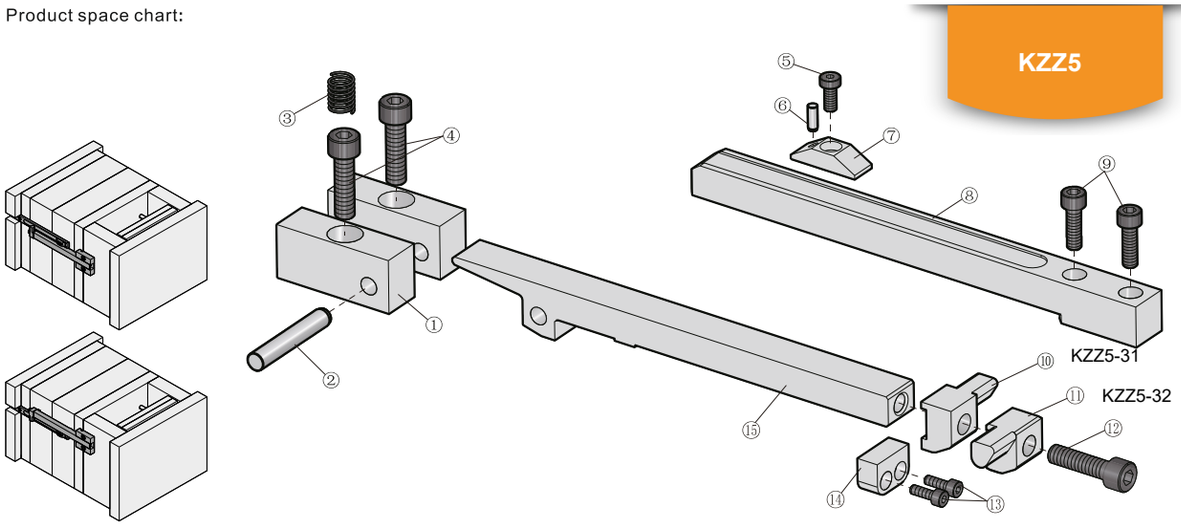


KONEK PSN

Latch locks

KZZ5

Product space chart:



Pos	2	4	5	6	9	12	13
Description	Ø8×50	M8×30	M5×12	M4×12	M6×20	M8×30	M4×12

Pos	1	2	7	8	10、11	14	15
Parts Name	Control bar Block	Dowel Pin	Fixed block	Control bracket	Catch	Spacer	Latch arm
Material	Cr12MoV	SUJ2	Cr12MoV	P20	SKD61	S45C	P20
Hardness	50-58HRC	58-62HRC	58-62HRC	26-33HRC	50-54HRC	40-45HRC	26-33HRC

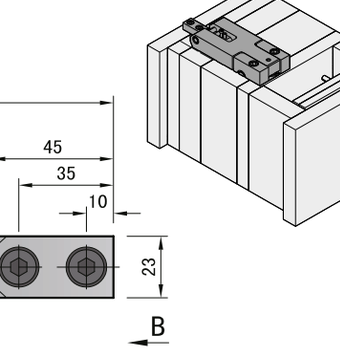
Installation Guidelines

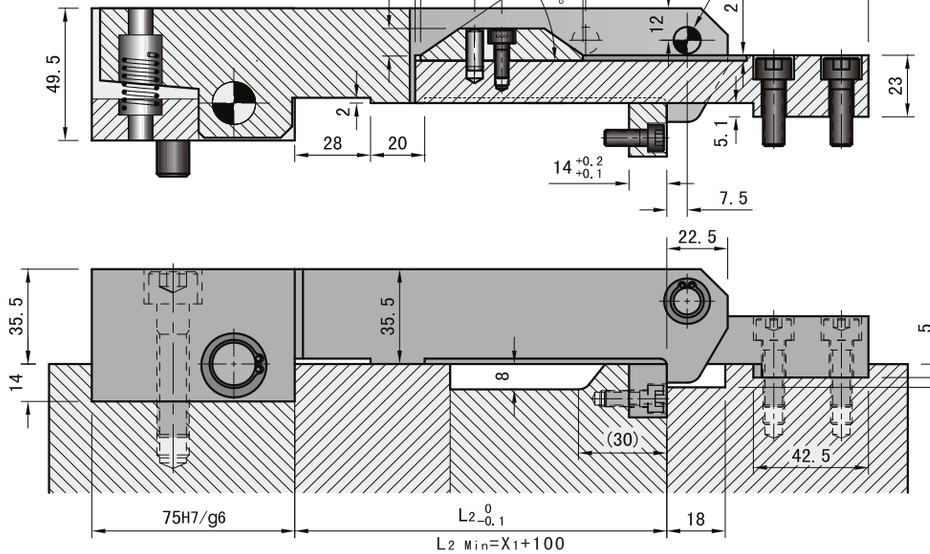
- Latch lock is precision device, Each mould at least symmetry installed 2sets.
- More sets latch lock mechanism install must be sure same stroke , otherwise will cause single set latch lock stress , lead to latch lock break due to imbalance force.
- Coordinate function test , check these parts of latch lock structure whether smoothly and stroke coincide or not .
- First remove latch lock device to follow-up operation if need maintenance and change.
- Latch lock ZZ5-31 is mirror element with ZZ5-32, choose one set to installed when use these two sets.
- Suggest install latch lock on left and right two sides of mould , Due to weight problem of products , if install on top and low two sides will impact locking force.

DIN

Latch locks

KZZ5



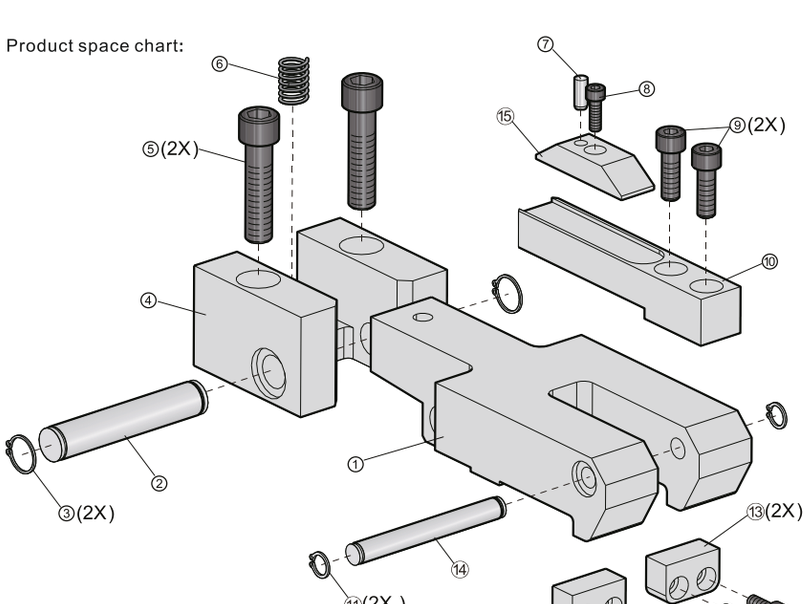


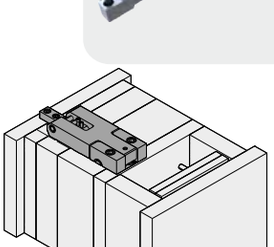
DIN

Latch locks

KZZ5

Product space chart:





Pos	2	5	7	8	9	12	14
Description	16×85	M12×50	Ø6×16	M5×16	M8×25	M6×16	10×85

Pos	1	2	4	10	13	14	15
Parts Name	Latch arm	Control Bar1	Holder	Control bracket	Spacer	Control Bar2	Fixed block
Material	P20	SKD16	Cr12MoV	P20	S45C	SKD16	Cr12MoV
Hardness	26-33HRC	50-54HRC	50-58HRC	26-33HRC	40-45HRC	50-54HRC	50-58HRC

Installation Guidelines

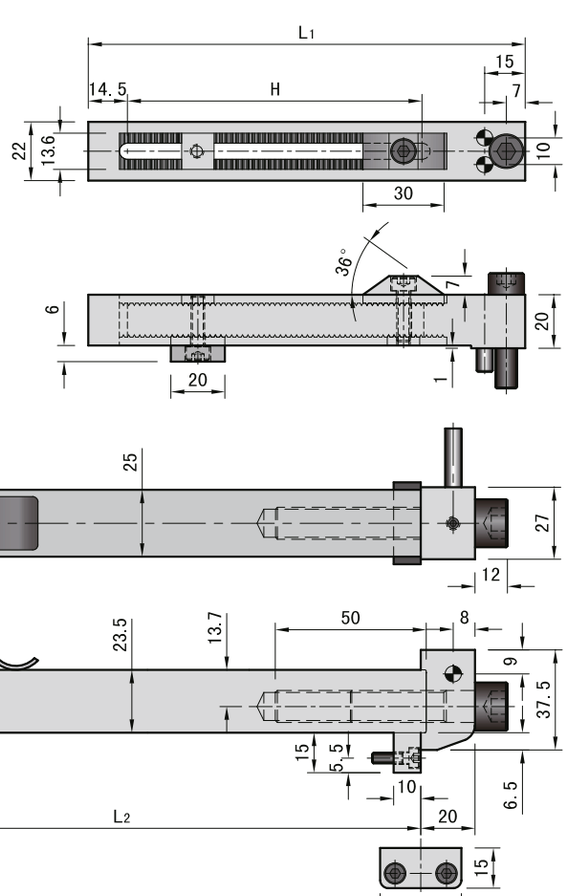
- Please calculate opening mould stroke before purchase , X1 is theoretical opening mould distance. specify length shall be meet below term:L1Min=X1+130, L2Min=X1+100
- Latch lock is precision device , Each mould at least use 2sets to symmetry installed according to mould size specify corresponding code.
- Suggest install latch lock on left and right two sides of mould , Due to weight problem of products , if install on top and low two sides will impact locking force.
- More sets latch lock mechanism install must be sure same stroke , otherwise will cause latch lock break due to imbalance force.
- When use it , frequently to check up various installed screw whether fastening or not, if need maintenance and change.
- Please first remove latch lock device to follow-up operation.

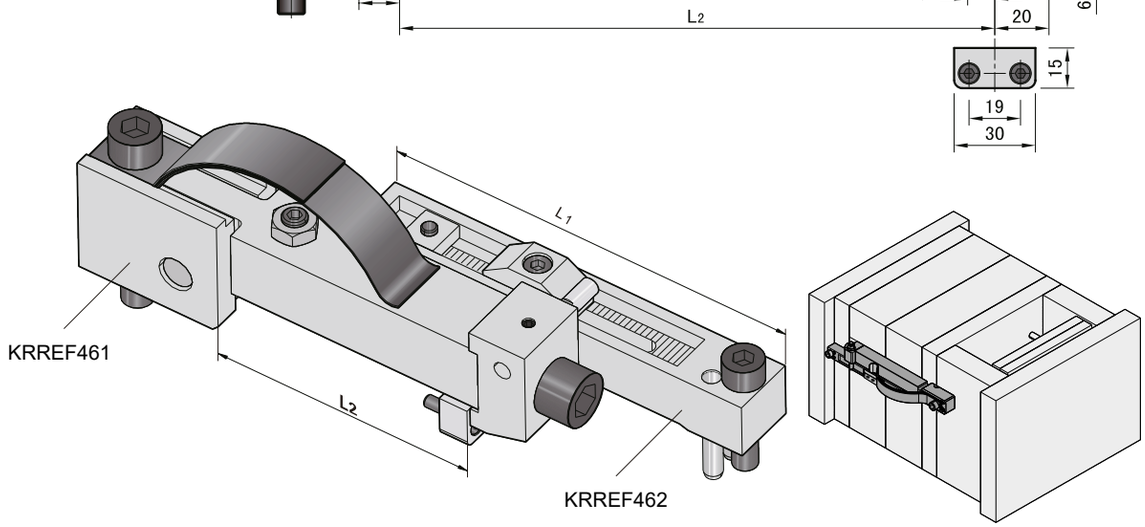
KONEK PSN

DIN

Latch locks

KRREF





Code	L1	H	L2
KRREF460-140- 90	140	83.5	90
KRREF460-204-170	204	152	170
KRREF460-254-220	254	194.5	220

Code	L1	H	
KRREF462-140	140	83.5	
KRREF462-204	204	152	
KRREF462-254	254	194.5	

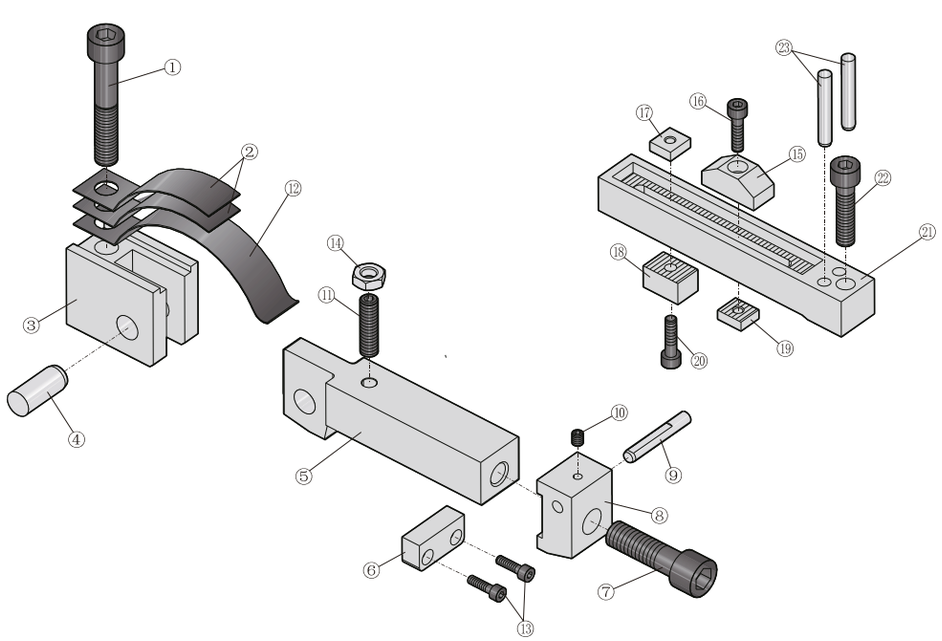
Code	L2	
KRREF461- 90	90	
KRREF461-170	170	
KRREF461-220	220	

DIN

Latch locks

1. The part of stroke adjustable adopt dental saw design , save dowel pin holes process, at the same simplify stroke adjustable.
2. Unque shrapnel design , safety and reliable ,and easy to install .
3. Suggest install latch lock on left and right two sides of mould , Due to weight problem of products , if install on top and low two sides will impact locking force.
4. More sets latch lock mechanism install must be sure same stroke , otherwise will cause latch lock break due to imbalance force.
5. When use it , frequently to check up various installed screw whether fastening or not, if need maintenance and change. Please first remove latch lock device to follow-up operation.

Product space chart:



Pos	1	4	7	9	11	13	14	16	20	22	23
Description	M10×60	Ø12×30	M12×40	Ø12×40	M8	M4×14	M8	M5×20	M5×20	M8×35	Ø6×40

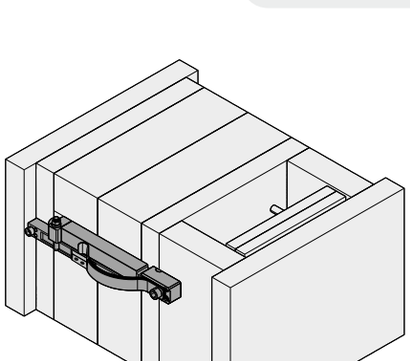
Pos	1	2	4	10	13	14
Parts Name	Control bar Block	Latch arm	Spacer	Catch	Dowel pin	Control bracket
Material	Cr12MoV	P20	Cr12MoV	SKD61	SKD11	P20
Hardness	58-62HRC	26-33HRC	55-58HRC	52±2HRC	55-58HRC	26-33HRC

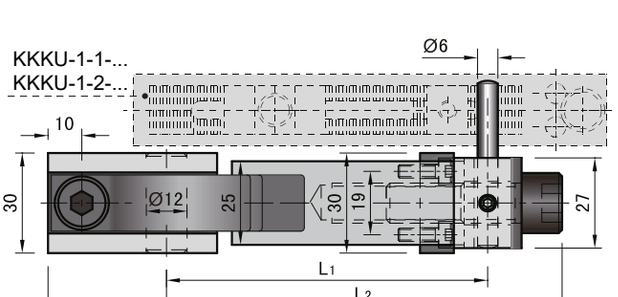
Code	RREF460																					
	RREF461													RREF462								
Pos	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
(Pcs)	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2

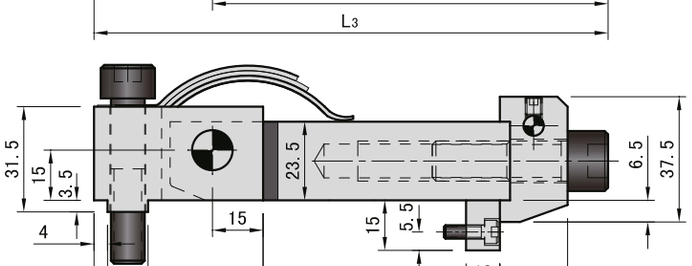
AISI

Latch locks

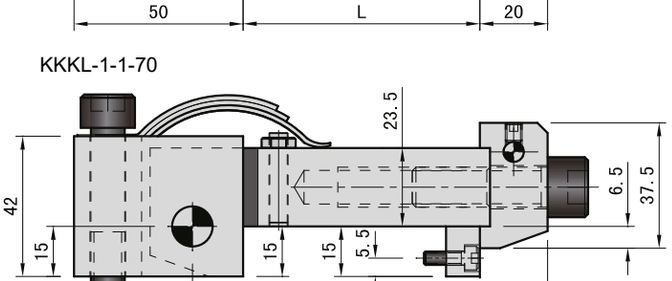
KKKL







KKKL-1-1-70



KKKU-1-2-...

Code	F(Kgf) Max
KKKL-1-2- 90	1600
KKKL-1-2-170	
KKKL-1-2-220	
KKKL-1-2-270	
KKKL-1-1- 70	

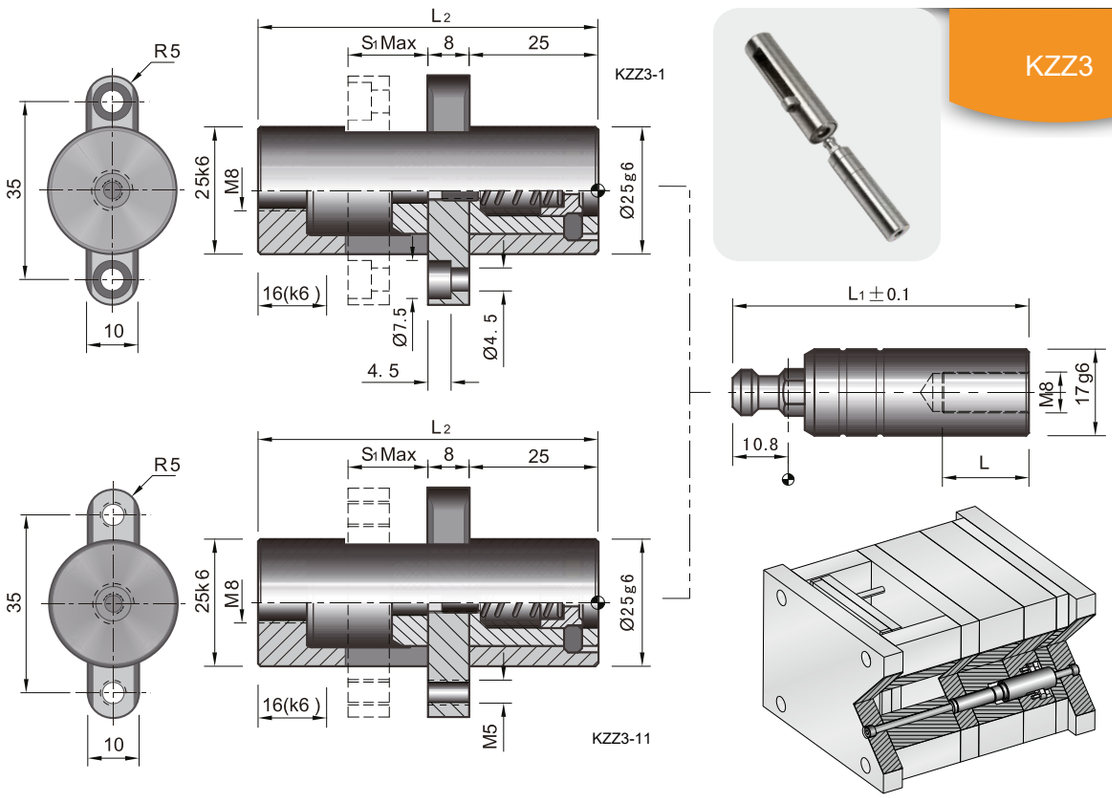
Code	L	L1	L2	L3	To be ordered seperately	
KKKL-1-2- 90	90	117	137	172	KU	
KKKL-1-2-170	170	197	217	252		
KKKL-1-2-220	220	247	267	302		
KKKL-1-2-270	270	297	317	352		
KKKL-1-1- 70	70	97	117	152		

KONEK PSN

DIN

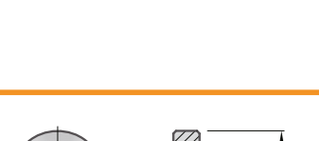
Latch locks

KZZ3



S1max.	L	L1	L2
16	20	45	66
	40	70	
40		100	90
		125	
60		150	110

KZZ59

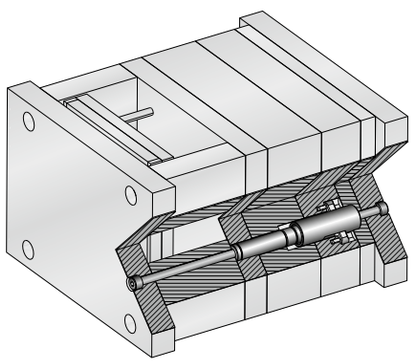


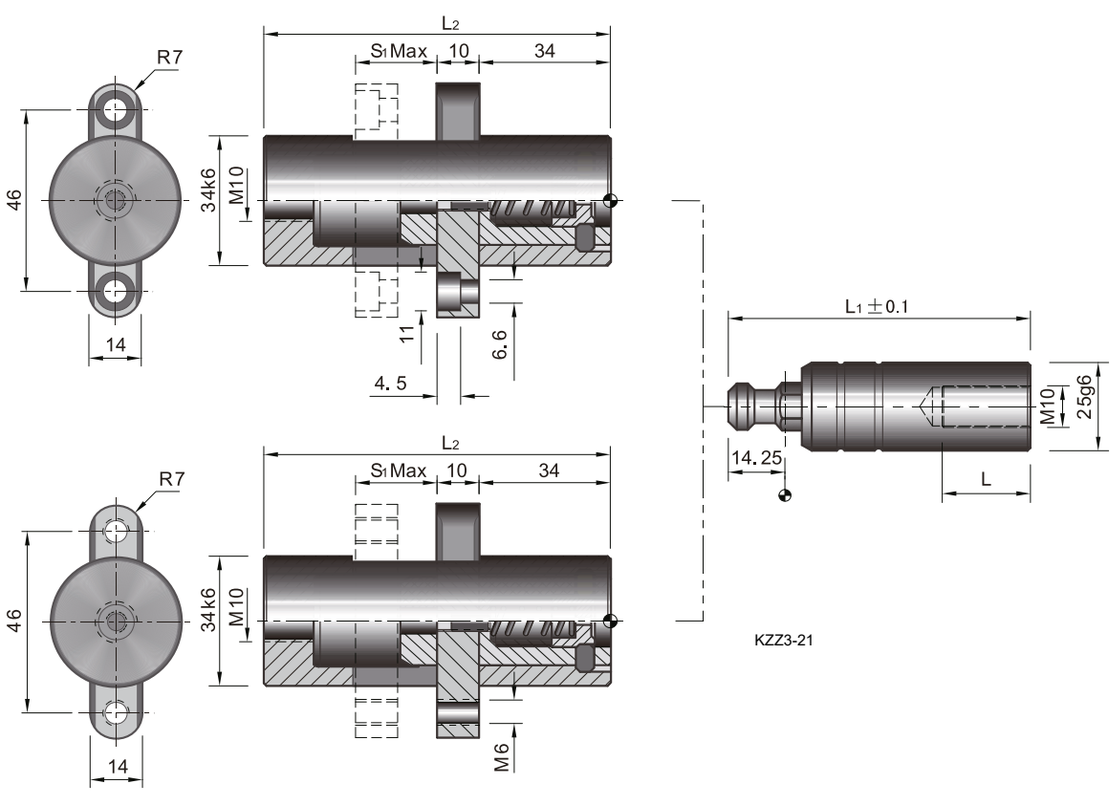
d2	S	d
17	5	8.5
	10	
25	5	
	10	

DIN

Latch locks

KZZ3



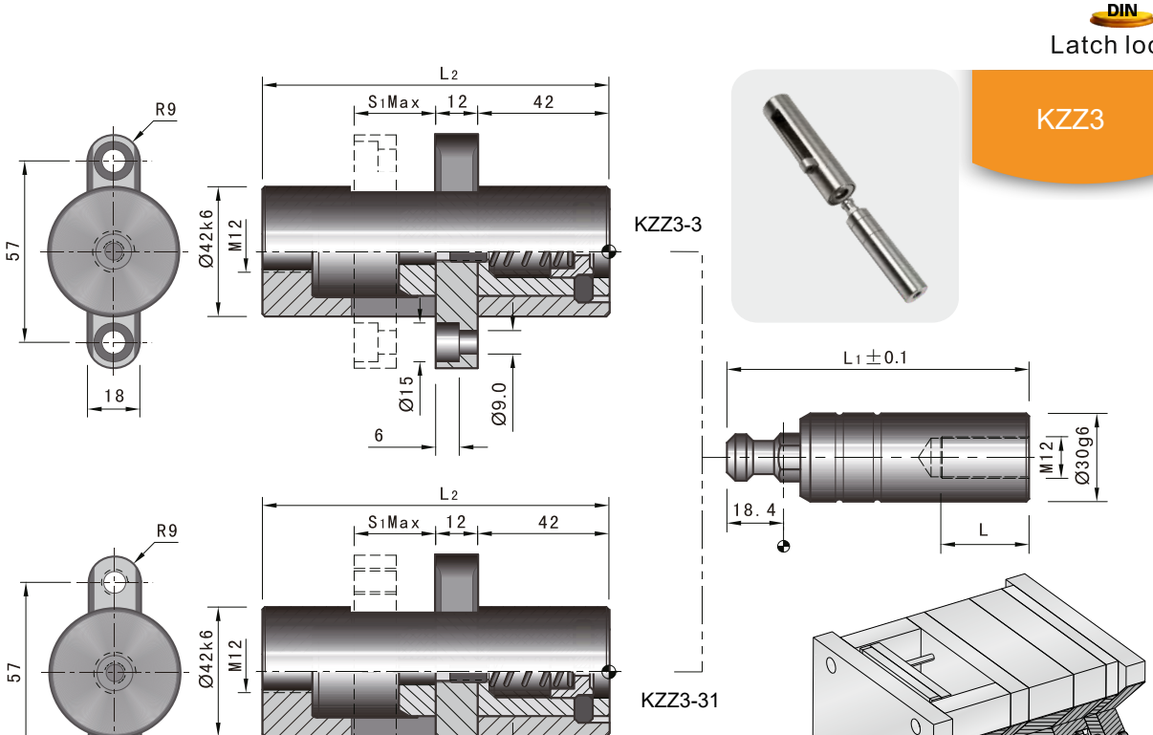


S1max.	L	L1	L2
25	40	70 120 170	86
50		120 170	111
75		120 170	136
100		220 270	161
125		220 270	186
150		220 270	211

DIN

Latch locks

KZZ3



Features:

1. Internal installation avoids interferences with water line connectors and externally mounted components.
2. Can be used as early return unit, inter latch locks, Two - stage ejectors.

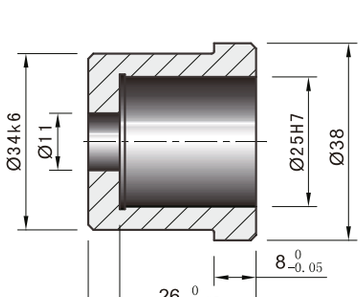
S1max.	L	L1	L2
50	50	125 175 225	130
75		175 225	155
100		175 225	180
125		275 325	205
150		275 325	230
175		275 325	255

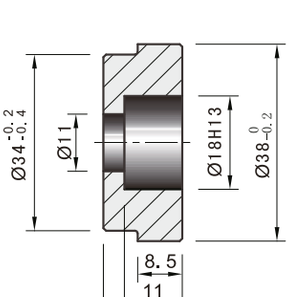
KONEK PSN

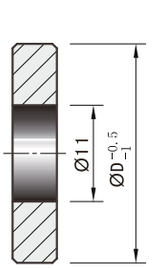
DIN

Latch locks

KZZ3





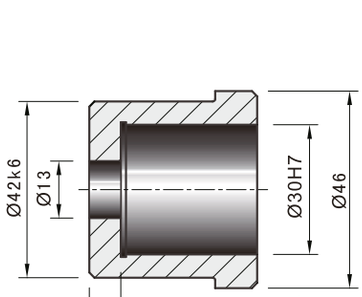


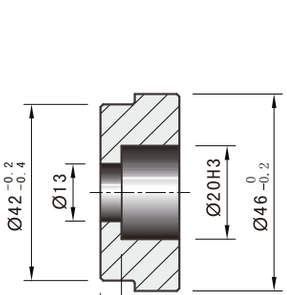
Material:S45C

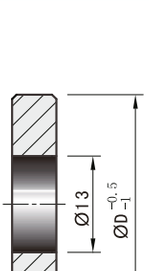
Pos	
09	

Pos	
10	

Pos	S	D	
11	5 10	25	
12	5 10	34	







Material:S45C

Pos	
09	

Pos	
10	

Pos	S	D	
11	5 10	30	
12	5 10	42	

DIN

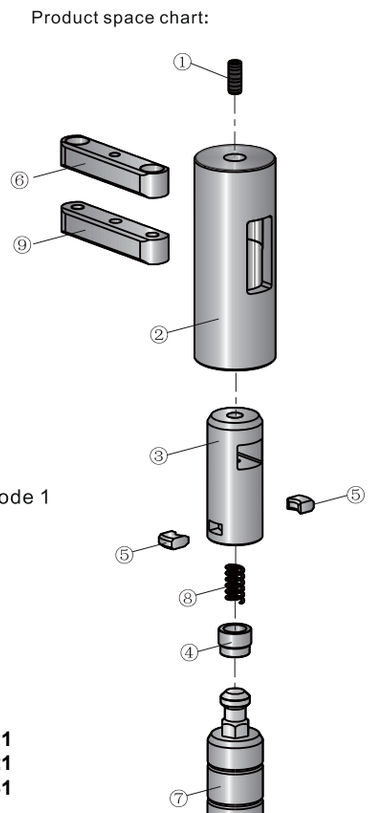
Latch locks

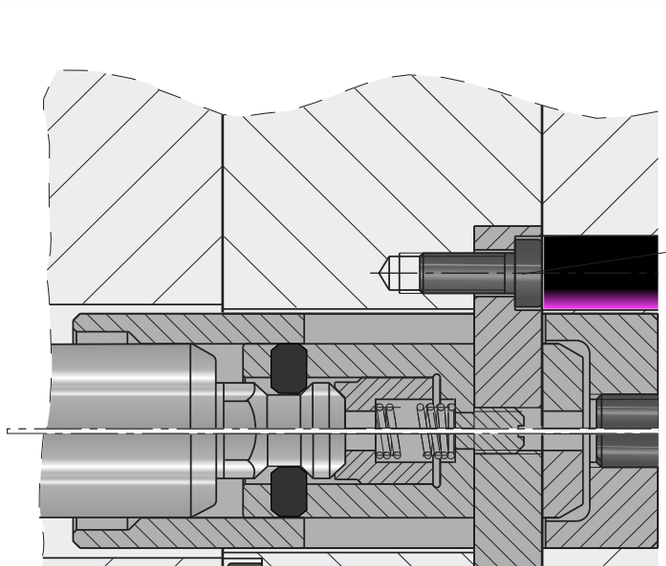
KZZ3

Code	Pos	Parts Name	Parts Name	Hardness	Q'ty(Pcs)
KZZ3-1 KZZ3-2 KZZ3-3	1	Grub screw	-	-	1
	2	Control bracket	SKD61	48-52HRC	
	3	Piston		52± 2HRC	
	4	Safety bush	Cr12MoV	55-58HRC	
	5	Catch	SKD11	58-62HRC	2
	6	Stroke block	SKD61	52± 2HRC	
	7	Pulling rod	SUJ2	55-62HRC	1
	8	Compression spring	-	-	

Code	Pos	Parts Name	Parts Name	Hardness	Q'ty(Pcs)
KZZ3-11 KZZ3-21 KZZ3-31	1	Grub screw	-	-	1
	2	Control bracket	SKD61	48-52HRC	
	3	Piston		52± 2HRC	
	4	Safety bush	Cr12MoV	55-58HRC	2
	5	Catch	SKD11	58-62HRC	
	7	Pulling rod	SUJ2	55-62HRC	1
	8	Compression spring	-	-	
	9	Stroke block	SKD61	52± 2HRC	

Product space chart:





KZZ3-1
KZZ3-2
KZZ3-3

Fixed mode 1

KZZ3-11
KZZ3-21
KZZ3-31

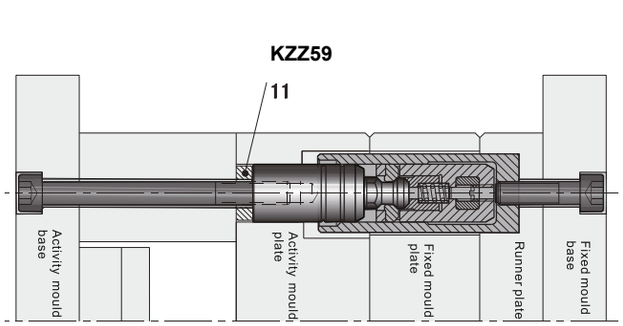
Fixed mode 2

KZZ3 series have two fixing method:
First: Install mould plate to tapping, pass through stroke block screw holes to install screw and fixed latch lock. (apply to KZZ3-1/2/3 series)
Second: Install mould plate to processing screw holes, use screw pass through mould plate to contact stroke block to screw thread fixed. (apply to KZZ3-11/21/31 series)

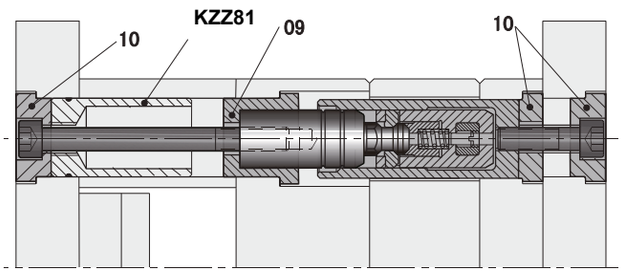
DIN

Latch locks

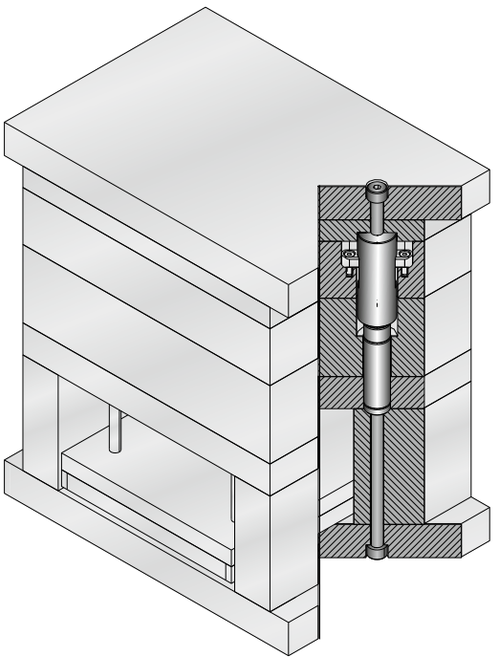
Installation Diagram:



Install 1



Install 2



Installation Guidelines

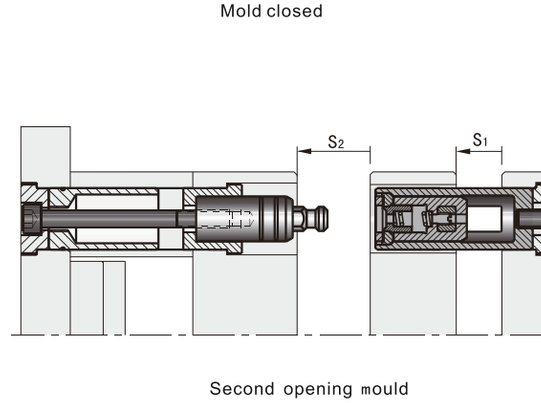
Installed stroke block, Use cup head screw make stroke block vertical with joint face fixed mould plate. Need accurate calculate first opening mould stroke.

- Installed body, Use cup head screw make body vertical with joint face fixed runner plate, request same concentric plunger.
- Install bar, stroke block and body symmetrical install on the mould,make sure right install and normal running, then fixed bar.
- Latch lock is precision device , please rely on real object to fixed position and symmetry install , if no symmetrical install or different stroke will cause single set latch lock stress , lead to latch lock break due to imbalance force.
- Every mould suggest to installed 2sets or 4sets.
- Coordinate function test , check these parts of latch lock structure whether smoothly and stroke coincide or not.
- Precision parts , please don't use it with other auto-processing parts . thus make some abnormal your company self responsible.
- First remove latch lock device to follow-up operation if need maintenance and change.

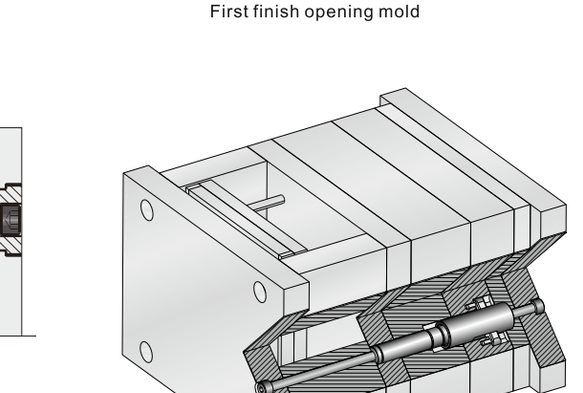
DIN

Latch locks

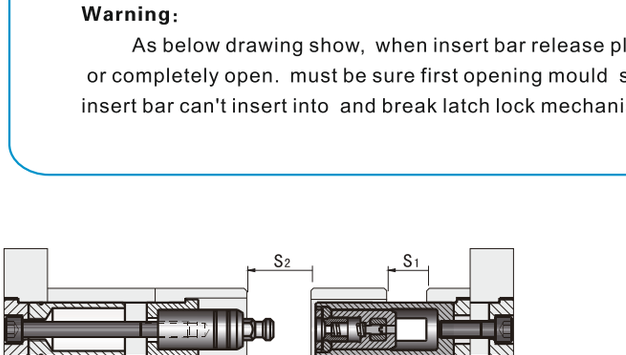
Functional chart:



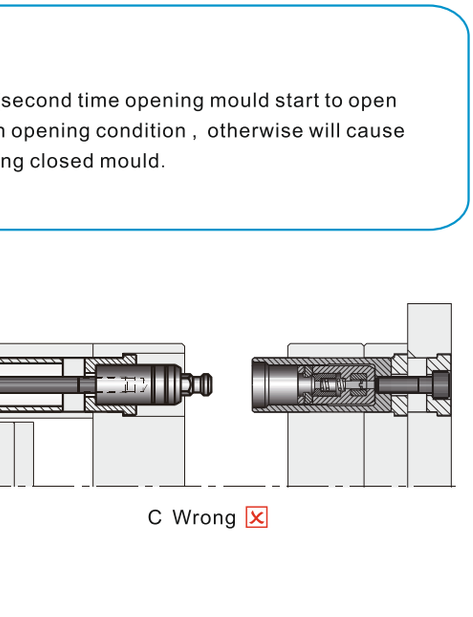
Mold closed



First finish opening mold



Second opening mould



Warning:

As below drawing show, when insert bar release plunger (second time opening mould start to open or completely open. must be sure first opening mould stroke in opening condition , otherwise will cause insert bar can't insert into and break latch lock mechanism during closed mould.

B Right ☑

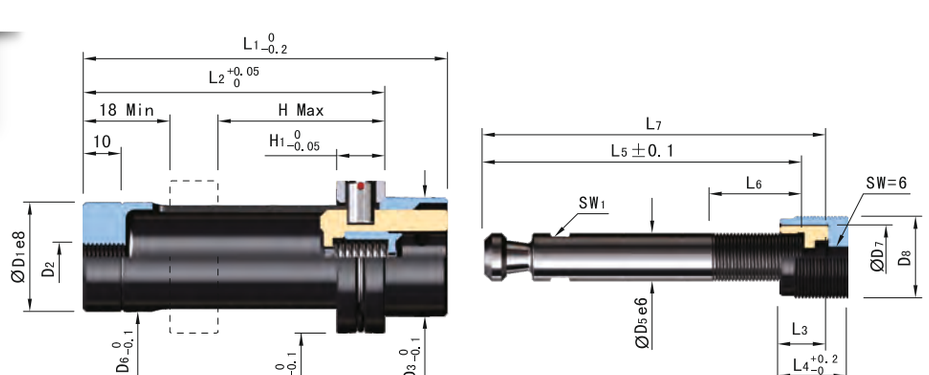
C Wrong ☒

KONEK PSN

DIN

Latch locks

KZZ173



Features:

1.Internal installation avoids interferences with water line connectors and externally mounted components

2.Can be used as early return unit , inter latch locks , Two -stage ejectors.

3.Some important parts are made of SKD61 , Provide good lubricating while working . longer life.

Material:SKD61 Hardness:52±2HRC

D1	H max.	D5	L7	D2	D3	D4	D6	D7	D8	D5
32	28	14	63	M10	34.8	44.8	32.2	18.5	M24×1	14
			80							
			100							
			125							
	56		63							
			80							
			100							
			125							
38	36	18	80	M12	40.8	51.8	38.2	23.5	M30×1.5	16
			100							
			125							
			140							
	71		80							
			100							
			125							
			140							

Code	L1	L2	L3	L4	L5	L6	Sw1	
KZZ173-32x-28x-14x 63	78	60	14	20	56	20	12	
KZZ173-32x-28x-14x 80					73	25		
KZZ173-32x-28x-14x100					93			
KZZ173-32x-28x-14x125					118			
KZZ173-32x-56x-14x 63	106	88			73			
KZZ173-32x-56x-14x 80					93			
KZZ173-32x-56x-14x100					118			
KZZ173-32x-56x-14x125					133			
KZZ173-32x-36x-18x 80	90	70	16	22	56	20	15	
KZZ173-32x-36x-18x100					73	30		
KZZ173-32x-36x-18x125					93			
KZZ173-32x-36x-18x140					118			
KZZ173-32x-71x-18x 80	125	105			73			
KZZ173-32x-71x-18x100					93			
KZZ173-32x-71x-18x125					118			
KZZ173-32x-71x-18x140					133			

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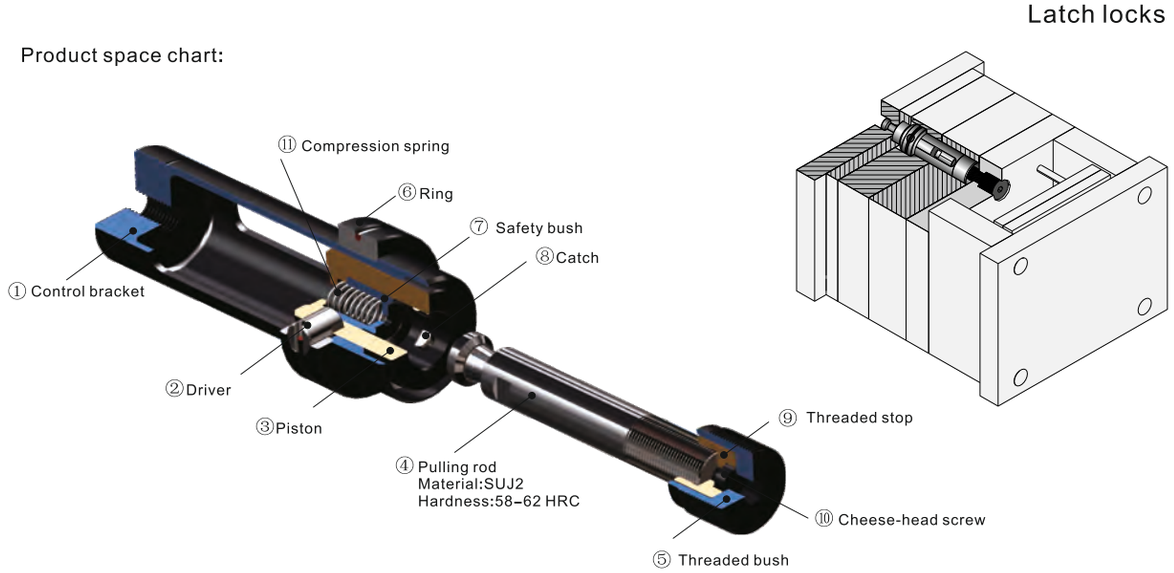
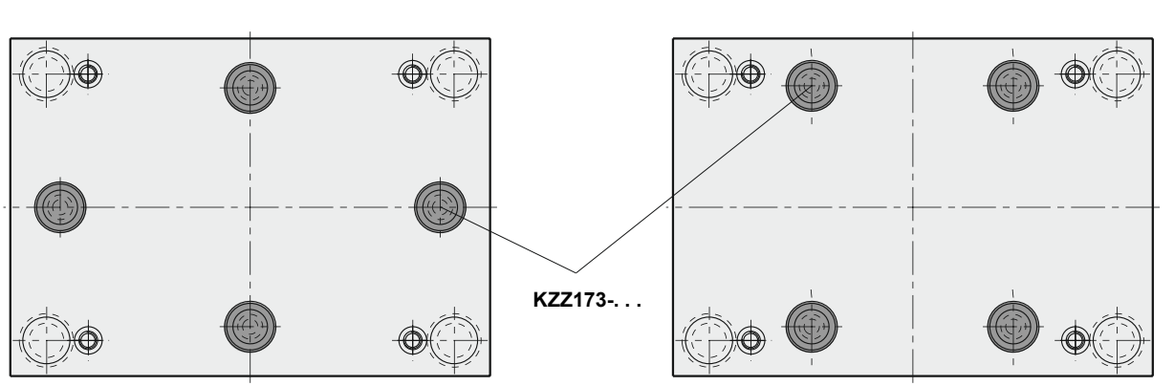
Latch locks

Product space chart:



Installation Guidelines

- It is precision standard element. A minimum of two Round latch locking units must be mounted symmetrically. quantit and size are subjected to the mold base and the pulling forces.
- If not be mounted symmetrically. the uneven force will caused the parts damaged.
- Make sure grub screw is screw down tightly when using.
- If the molds need to be maintained or changed. please remove the Round latch locking units first.
- After installation. carry out a functional test. check whether the individual parts work well. and the stroke is applicable.
- Working temperature :please use this product below 120˚C.



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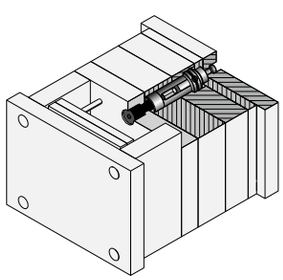
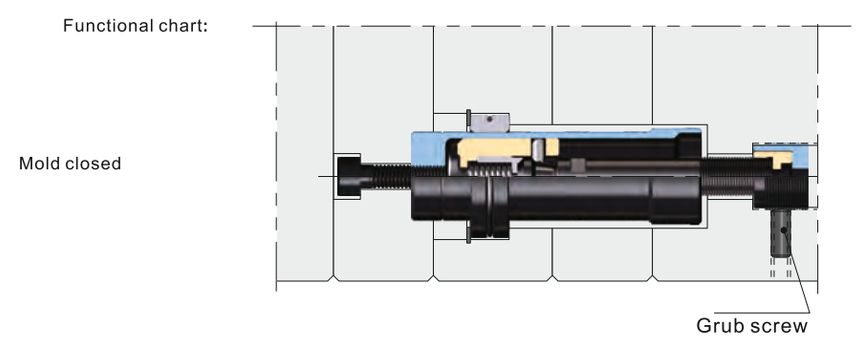
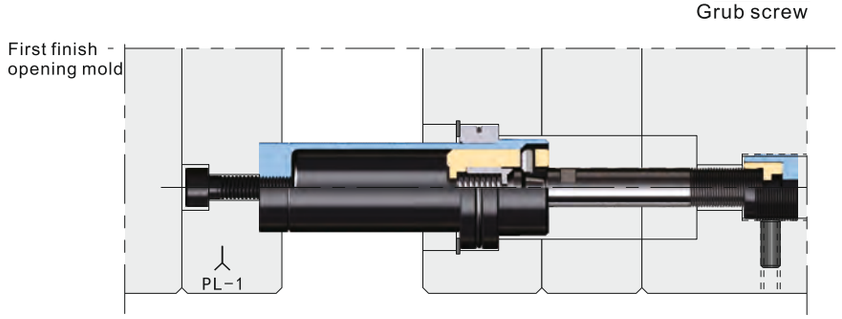
Latch locks

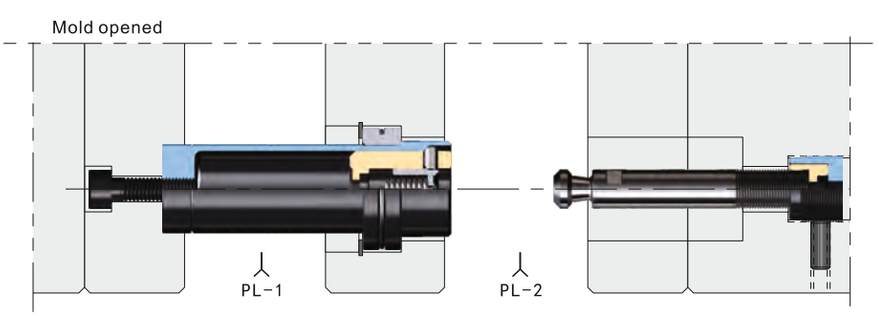
KZZ173



Functional chart:







operational principle:

- Closed mould :mould completely closed condition.
- First opening mould :when mould start opening, stop block will make bar and body bush tightly locked , first joint face will start.
- Second opening mould :First opening mould finished . stop block release bar , at the same lock the body and body liner bushing, bar will pull off liner bush , Second joint face will be completely open.

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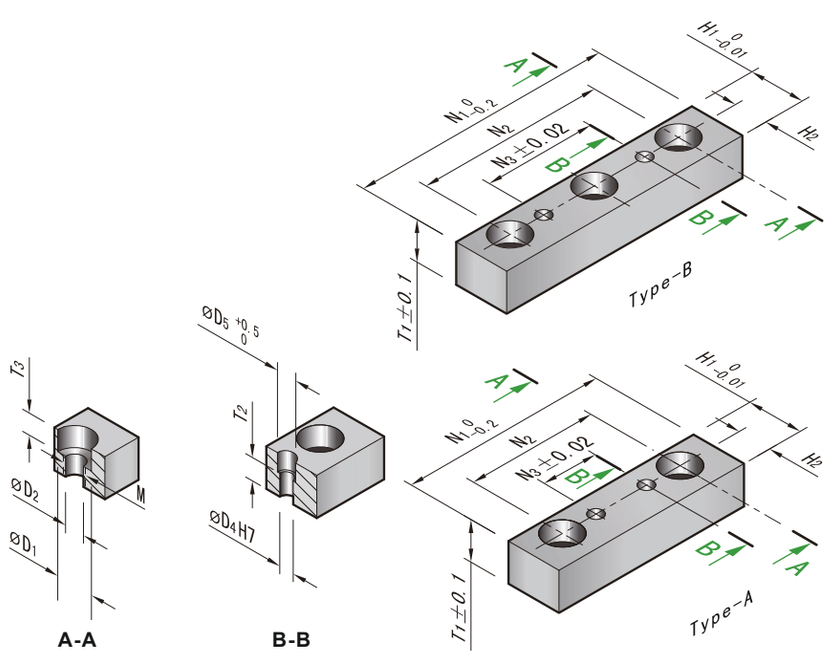
Guide strips

KZZ4240



KZZ4240-H1-T1-N1 Material:SKD11 Har :58±2HRC

H1	T1	N1	Type	H2	T2	T3	N2	N3	D1	D2	D4	D5	M	
15	11	50	A	9	-	5.7	30	10	10	5.3	4	-	M 6	
		60					40	20						
		70	B				50	30						
		75					60	40						
		80												
		90					70	50						
18	22	80	A	11	12	6.8	56	32	11	6.4	6	7	M 8	
		100					76	52						
		120	B				96	72						
		140					116	92						
		160					136	112						
24	36	100	A	15		9	68	36	15	8.5	8	9	M10	
		120					88	56						
		140	B				108	76						
		160					128	96						
		180					148	116						
30	50	120	A	18	18	11	80	40	18	10.5	10	11	M12	
		140					100	60						
		160	B				120	80						
		180					140	100						
		200					160	120						
36	63	140	A	22		13	92	44	20	12.5	12	13	M14	
		160					112	64						
		180	B				132	84						
		200					152	104						
		220					172	124						

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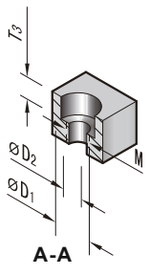
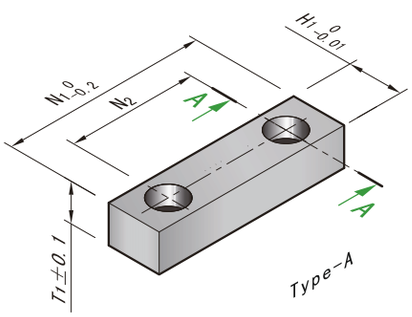
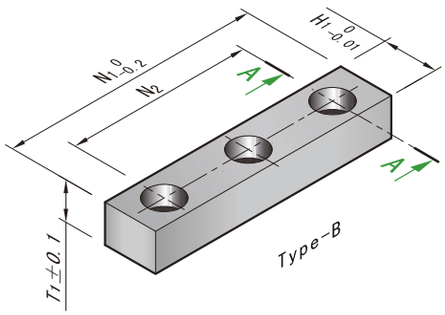
KZZ4248







KZZ4248-H1-T1-N1 Material:SKD11 Har :58±2HRC

H1	T1	N1	N2	Type	T3	D1	D2	M	
12	11	50	30	A	5.7	10	5.3	M6	
		60	40						
		70	50	B					
		75	60						
		80							
		90	70						
	16	100	80						
		120	100						
		140	120						
		160	140						
		180	160						
18		100	76	A	6.8	11	6.4	M8	
		120	96						
		140	116	B					
		160	136						
		180	156						
24	21	140	116						
		160	136						
		180	156						
		200	176						
		220	196						

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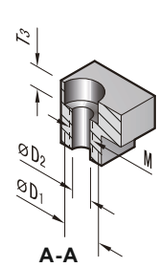
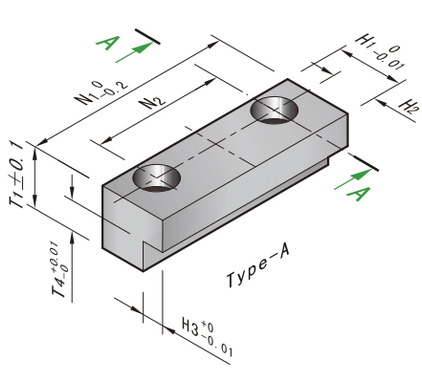
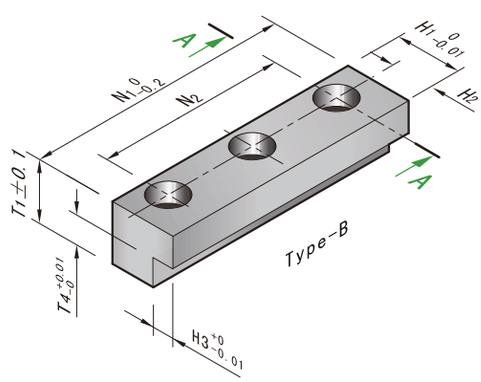
Guide strips

KZZ4244







KZZ4244-H1-T1-N1 Material:SKD11 Har :58±2HRC

H1	T1	N1	Type	H2	H3	T3	T4	N2	D1	D2	M	
15	21	50	A	9	3	5.7	10	30	10	5.3	M 6	
		60						40				
		70	B					50				
		75						60				
		80										
		90						70				
18	35	80	A	11	4	6.8	13	56	11	6.4	M 8	
		100						76				
		120	B					96				
		140						116				
		160						136				
24	51	100	A	15	6	9	51	68	15	8.5	M10	
		120						88				
		140	B					108				
		160						128				
		180						148				
30	65	120	A	18		11	65	80	18	10.5	M12	
		140						100				
		160	B					120				
		180						140				
		200						160				

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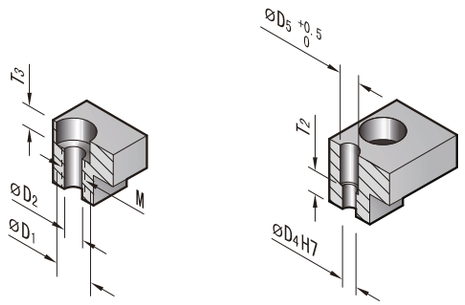
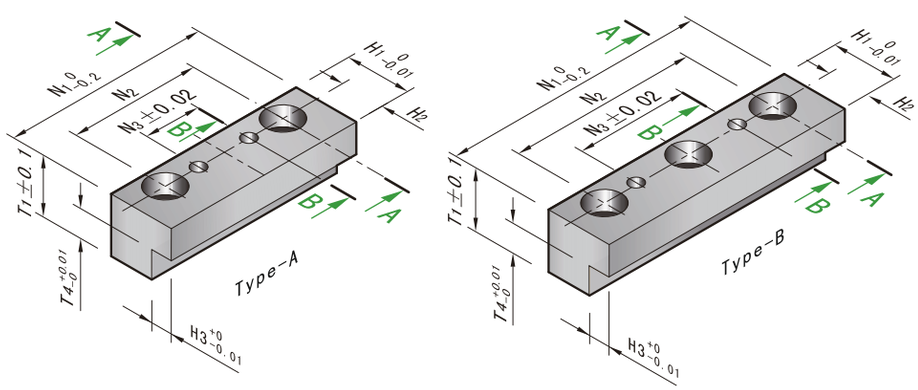
Guide strips

KZZ4242





KZZ4242-H1-T1-N1 Material:SKD11 Har :58±2HRC

H1	T1	N1	Type	H2	H3	T2	T3	T4	N2	N3	D1	D2	D4	D5	M	
15	16	50	A	9	3	-	5.7	5	30	10	10	5.3	4	-	M 6	
		60							40	20						
		70	B						50	30						
		75							60	40						
		80														
		90							70	50						
18	30	80	A	11	4	12	6.8	8	56	32	11	6.4	6	7	M 8	
		100							76	52						
		120	B						96	72						
		140							116	92						
		160							136	112						
24	46	100	A	15	6		9	10	68	36	15	8.5	8	9	M10	
		120							88	56						
		140	B						108	76						
		160							128	96						
		180							148	116						

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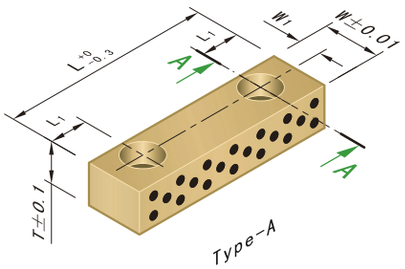
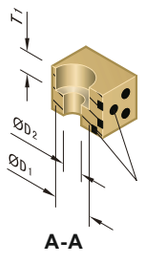
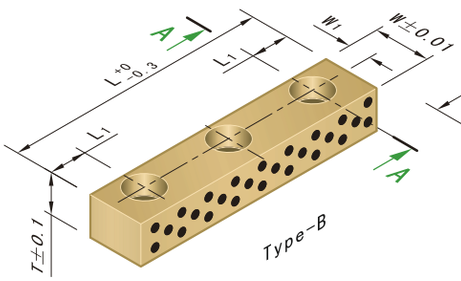
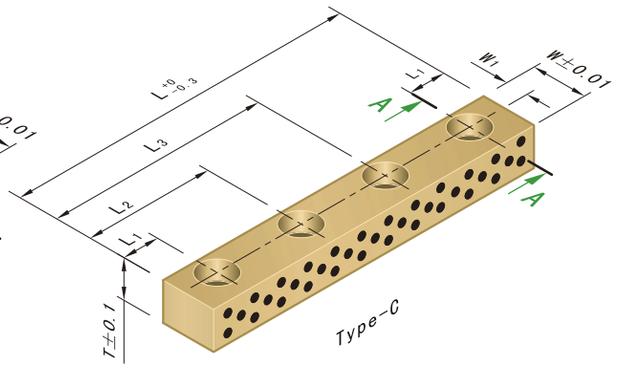
Oil-free plain guide strips

KDT1481









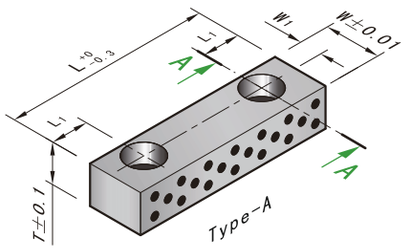
KDT1481-W-T-L Material:Brass+graphite

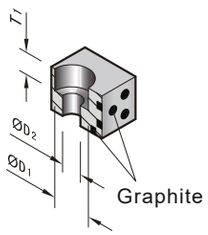
W	T	D1	D2	T1	W1	Type	L1	L2	L3	L
12.5	10 15 20	8	4.5	5	5	A	7.5	-	-	40
						B				50- 70
						C		30	50	80-100
								32.5	57.5	
								35	65	
15	10 15 20 25	9.5	5.5	6	6	A		-	-	40- 60
						B				70-120
						C		40	90	130-150
								45	95	
								53	97	
20	15 20 25 30	11	6.5	7	9	A	10	-	-	40- 90
						B				100-150
		14	9	9		C		55	105	160-200
								60	120	
								70	130	
25	20 25 30	14			10	A		-	-	40- 90
	20 25 30 35					B				100-150
						C		55	105	160-200
								60	120	
								70	130	
30	30 35	17	11.5	11	11	B	12	-	-	120-160
						C		60	120	180-200
								70	130	

Wmould

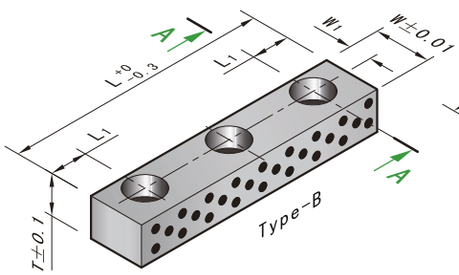
Oil-free plain guide strips

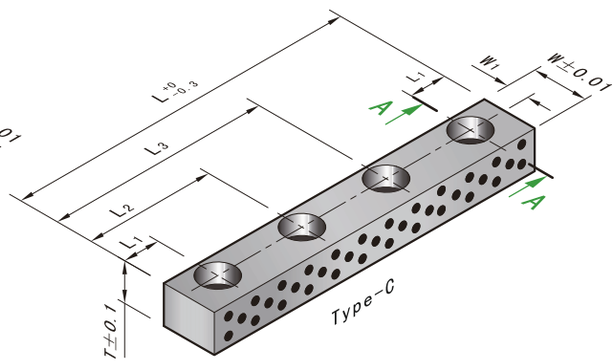
KD T1482





A-A





KDT1482-W-T-L M Material:Oil steel+graphite H Hardness:53-58HRC

W	T	D1	D2	T1	W1	Type	L1	L2	L3	L
15	10 15 20 25	9.5	5.5	6	6	A	7.5	-	-	40- 60
						B				70-120
						C		40	90	130-150
								45	95	
								53	97	
20	15 20 25 30	11	6.5	7	9	A	10	-	-	40- 90
						B				100-150
		14	9	9		C		55	105	160-200
								60	120	
								70	130	
25	20 25 30	14	9	9	10	A		-	-	40- 90
	20 25 30 35					B				100-150
						C		55	105	160-200
								60	120	
								70	130	
30	30 35	17	11.5	11	11	B	12	-	-	120-160
						C		60	120	180-200
								70	130	

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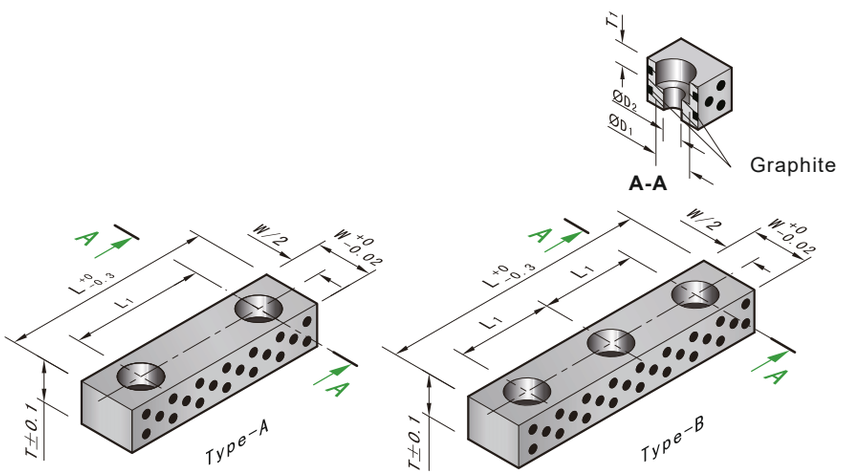
Oil-free plain guide strips

KD T1483

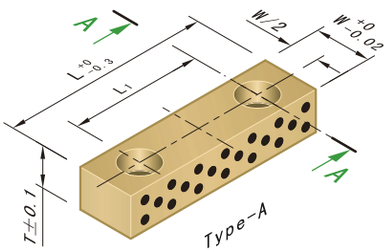


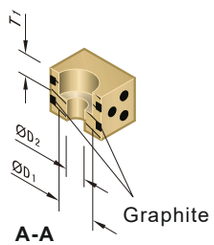
KDT1483-W-T-L M Material:Oil steel+graphite H Hardness:53-58HRC

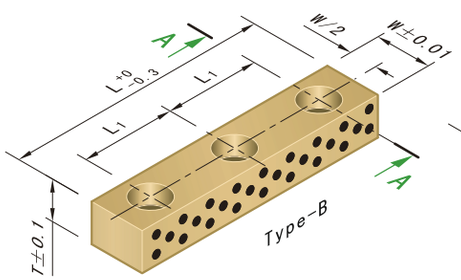
W	T	L	Type	L1	T1	D1	D2	
12	16	40	A	24	5	8	4.5	
		50		34				
		63		47				
16		50		34	6	9.5	5.5	
		63		47				
		80	B	32				
	20	50	A	34				
		63		47				
		80	B	32				
20	16	63	A	43	7	11	6.5	
		80		60				
		100	B	40				
	20	63	A	43				
		80		60				
		100	B	40				
	25	63	A	43				
		80		60				
		100	B	40				
25	16	80	A	56	9	14	9	
		100		76				
		125	B	50.5				
	20	80	A	56				
		100		76				
		125	B	50.5				
	25	80	A	56				
		100		76				
		125	B	50.5				
	32	80	A	76				
		100		50.5				
		125	B	68				
32	20	100	A	76				
		125	B	50.5				
		160		68				
	25	100	A	76				
		125	B	50.5				
		160		68				
	32	100	A	76				
		125	B	50.5				
		160		68				
	40	100		76				
		125		50.5				
		160		68				
40	25	125		46.5	11	17	11	
		160		64				
		200		84				
	32	125		46.5				
		160		64				
		200		84				
	40	125		46.5				
		160		64				
		200		84				
	50	125		46.5				
		160		64				
		200		84				

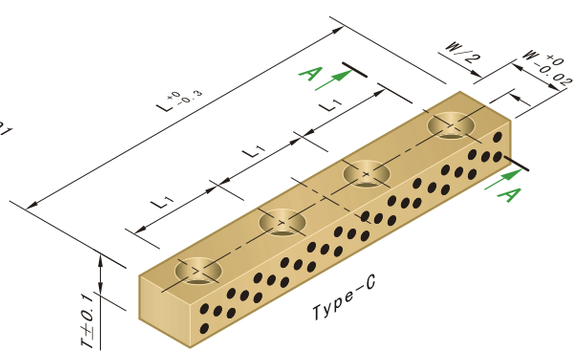
Oil-free plain guide strips

KDT1484









KDT1484-W-T-L Material:Brass+graphite

W	T	L	Type	L1	T1	D1	D2	
12	16	40	A	24	5	8	4.5	
		50		34				
		63		47				
16		50		34	6	9.5	5.5	
		63		47				
		80	B	32				
	20	50	A	34				
		63		47				
		80	B	32				
20	16	63	A	43	7	11	6.5	
		80		60				
		100	B	40				
	20	63	A	43				
		80		60				
		100	B	40				
	25	63	A	56				
		80		76				
		100	B	50.5				
25	16	80	A	56	9	14	9	
		100		76				
		125	B	50.5				
	20	80	A	56				
		100		76				
		125	B	50.5				
	25	80	A	56				
		100		76				
		125	B	50.5				
	32	80	A	76				
		100		50.5				
		125	B	68				
32	20	100	A	76				
		125	B	50.5				
		160		68				
	25	100	A	76				
		125	B	50.5				
		160		68				
	32	100	A	76				
		125	B	50.5				
		160		68				

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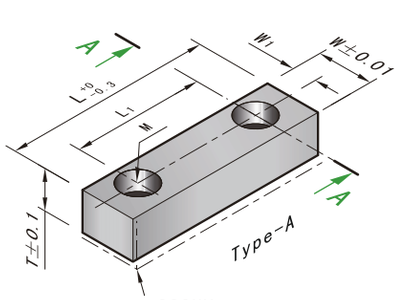
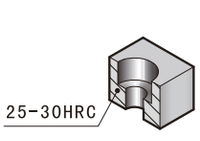
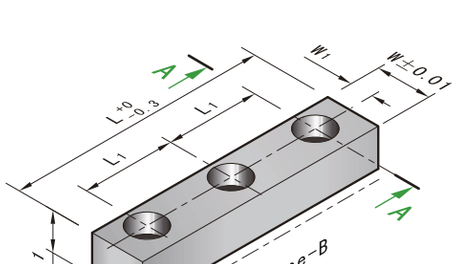
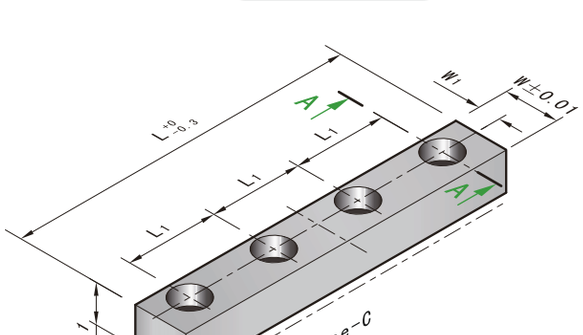
Guide strips

KD T1485







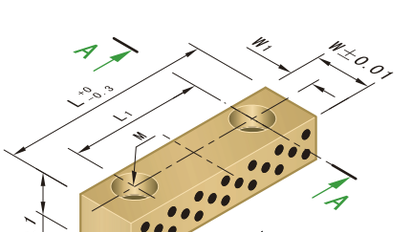


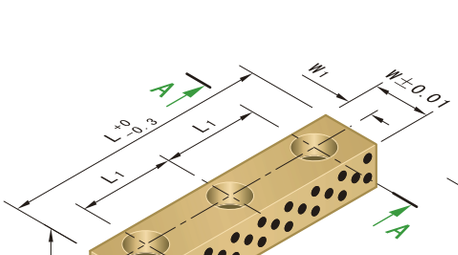
KDT1485-W-T-L Material:P20 Hardness:≈900HV

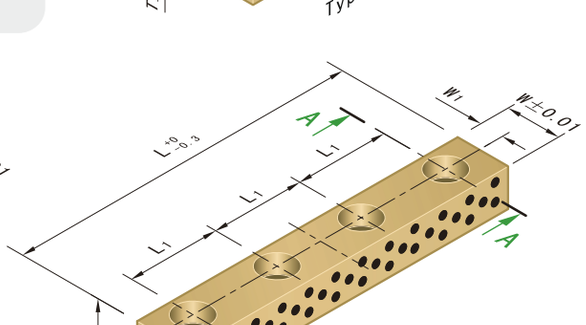
W	T	L	Type	L1	W1	M	
16	6	40	A	24	6	M 5	
		50		34			
		63		47			
		80	B	32			
	8	50	A	34			
		63		47			
		80	B	32			
		100		42			
20	12	63	A	43	9	M 6	
		80		60			
		100	B	40			
		125		52.5			
	16	80	A	60			
		100	B	40			
		125		52.5			
		160		70			
25	22	100	A	76	11	M 8	
		125	B	50.5			
		160		68			
		200	C	58			
	30	125	B	50.5			
		160		68			
		200	C	58			
		250		74			
32	38	160	B	64	14	M10	
		200		84			
		250	C	72			
		315		93			

Oil-free plain guide strips

KD T1486







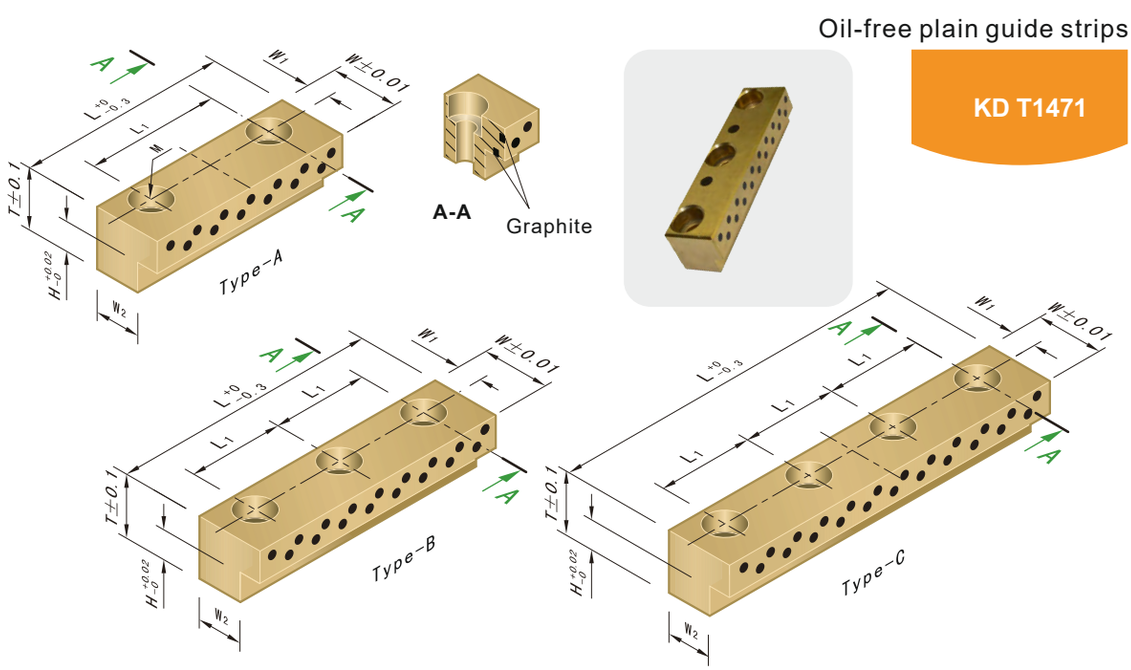
KDT1486-W-T-L Material:Brass+graphite

W	T	L	Type	L1	W1	M	
16	6	40	A	24	6	M 5	
		50		34			
		63		47			
		80	B	32			
	8	50	A	34			
		63		47			
		80	B	32			
		100		42			
20	12	63	A	43	9	M 6	
		80		60			
		100	B	40			
		125		52.5			
	16	80	A	60			
		100	B	40			
		125		52.5			
		160		70			
25	22	100	A	76	11	M 8	
		125	B	50.5			
		160		68			
		200	C	58			
	30	125	B	50.5			
		160		68			
		200	C	58			
		250		74			
32	38	160	B	64	14	M10	
		200		84			
		250	C	72			
		315		93			

KONEK PSN

Oil-free plain guide strips

KD T1471



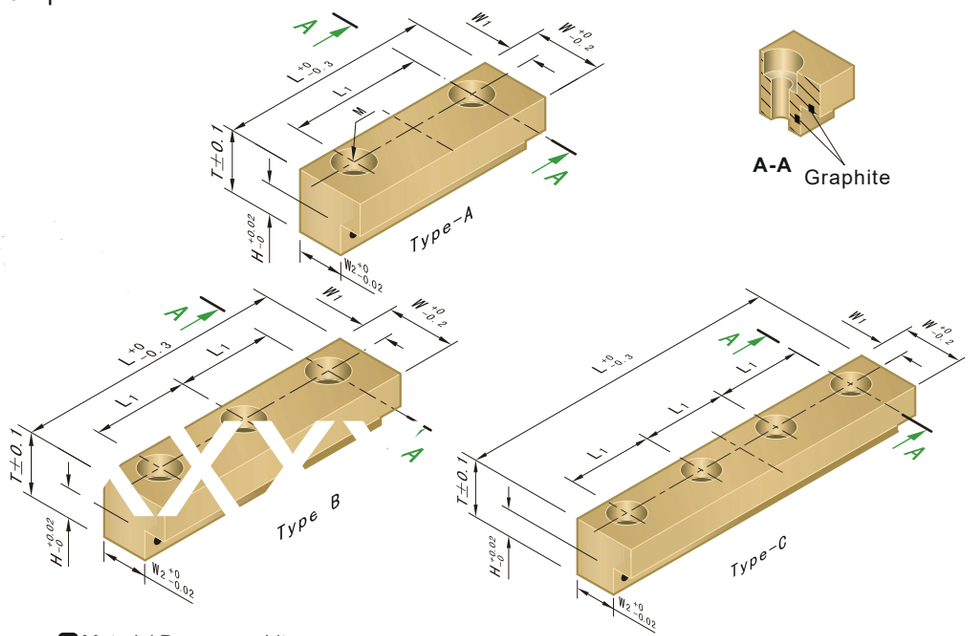
KDT1471-T-H-L Material:Brass+graphite

T	H	L	Type	L1	W	W1	W2	M	
12	6	40	A	24	16	6	12	M 5	
		50		34					
		63		47					
		80	B	32					
16	8	50	A	34			11		
		63		47					
		80	B	32					
		100		42					
20		63	A	43	20	9	15	M 6	
		80		60					
		100	B	40					
		125		52.5					
	11	63	A	43					
		80		60					
		100	B	40					
		125		52.5					
25	8	80	A	60					
		100	B	40					
		125		52.5					
		160		70					
	13	80	A	60					
		100	B	40					
		125		52.5					
		160		70					
32	10	100	A	76	25	11	19	M 8	
		125	B	50.5					
		160		68					
		200	C	58					
	16	100	A	76					
		125	B	50.5					
		160		68					
		200	C	58					
40	10	125	B	50.5					
		160		68					
		200	C	58					
		250		74					
	16	125	B	50.5					
		160		68					
		200	C	58					
		250		74					
50	12	160	B	64	32	14	24	M10	
		200		84					
		250	C	72					
		315		93					
	20	160	B	64					
		200		84					
		250	C	72					
		315		93					

KONEK PSN

Oil-free plain guide strips

KD T1472



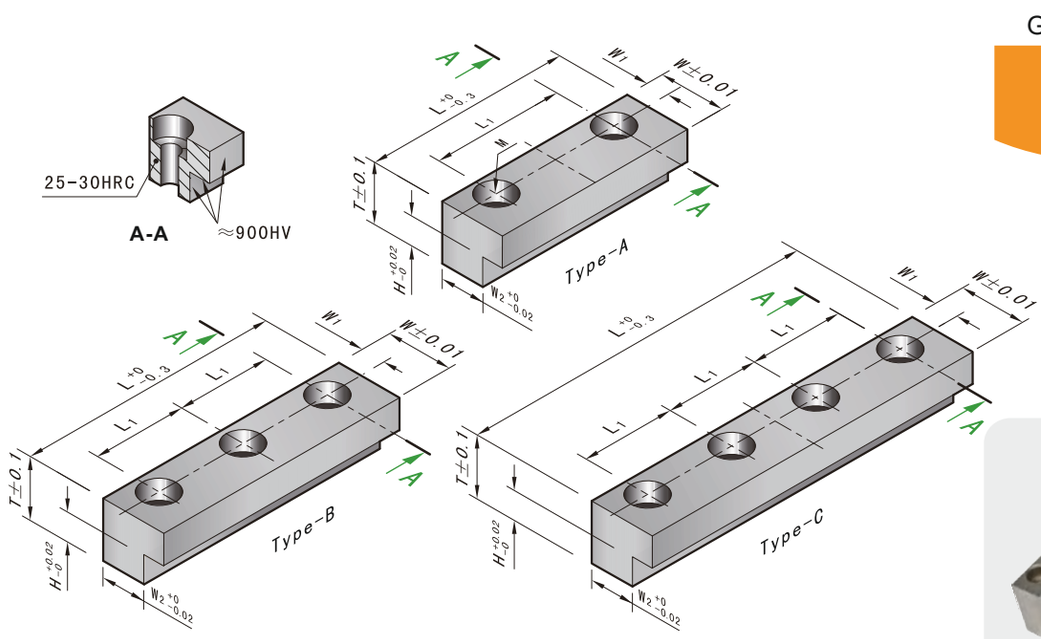
KDT1472-T-H-L Material:Brass+graphite

T	H	L	Type	L1	W	W1	W2	M	
12	6	40	A	24	16	6	12	M 5	
		50		34					
		63		47					
		80	B	32					
16	8	50	A	34			11		
		63		47					
		80	B	32					
		100		42					
20		63	A	43	20	9	15	M 6	
		80		60					
		100	B	40					
		125		52.5					
	11	63	A	43					
		80		60					
		100	B	40					
		125		52.5					
25	8	80	A	60					
		100		40					
		125	B	52.5					
		160		70					
	13	80	A	60					
		100		40					
		125	B	52.5					
		160		70					
32	10	100	A	76	25	11	19	M 8	
		125	B	50.5					
		160		68					
		200	C	58					
	16	100	A	76					
		125	B	50.5					
		160		68					
		200	C	58					
40	10	125	B	50.5					
		160		68					
		200	C	58					
		250		74					
	16	125	B	50.5					
		160		68					
		200	C	58					
		250		74					
50	12	160	B	64	32	14	24	M10	
		200		84					
		250	C	72					
		315		93					
	20	160	B	64					
		200		84					
		250	C	72					
		315		93					

KONEK PSN

Guide strips

KD T1473

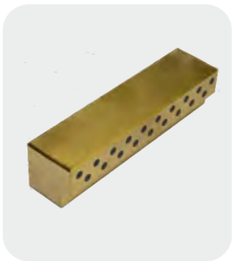


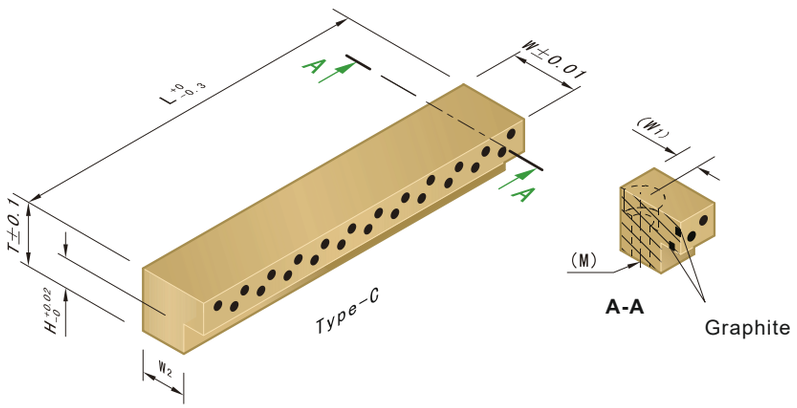
KDT1473-T-H-L M Material:P20 H Hardness:≈900HV

T	H	L	Type			W1	W2	M	
12	6	40	A	24	20	6	12	M 5	
		50		34					
		63		47					
		80	B						
16	8	50	A	34			11		
		63		47					
		80	B	32					
		100		42					
20		63	A	43		9	15	M 6	
		80		60					
		100	B	40					
		125		52.5					
	11	63	A	43					
		80		60					
		100	B	40					
		125		52.5					
25	8	80	A	60					
		100	B	40					
		125		52.5					
		160		70					
	13	80	A	60					
		100	B	40					
		125		52.5					
		160		70					
32	10	100	A	76	25	11	19	M 8	
		125	B	50.5					
		160		68					
		200	C	58					
	16	100	A	76					
		125	B	50.5					
		160		68					
		200	C	58					
40	10	125	B	50.5					
		160		68					
		200	C	58					
		250		74					
	16	125	B	50.5					
		160		68					
		200	C	58					
		250		74					
50	12	160	B	64	32	14	24	M10	
		200		84					
		250	C	72					
		315		93					
	20	160	B	64					
		200		84					
		250	C	72					
		315		93					

Oil-free plain guide strips

KD T1474

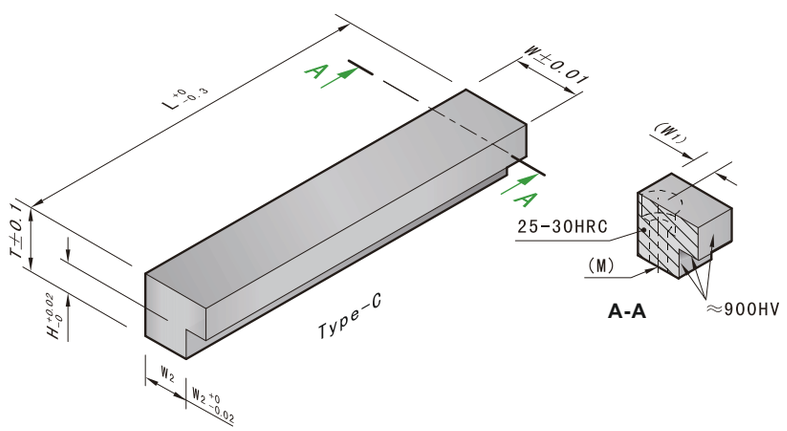




KDT1474-T-H-L Ⓜ Material:Brass+graphite

T	H	L	W	W1	W2	M	
12	6	40	16	6	12	M 5	
		50					
		63					
		80					
16	8	50			11		
		63					
		80					
		100					
20			20	9	15	M 6	
		100					
		125					
	11	63					
		80					
		100					
		125					
25	8	80					
		100					
		125					
		160					
	13	80					
		100					
		125					
		160					
32	10	100	25	11	19	M 8	
		125					
		160					
		200					
	16	100					
		125					
		160					
		200					
40	10	125					
		160					
		200					
		250					
	16	125					
		160					
		200					
		250					
50	12	160	32	14	24	M10	
		200					
		250					
		315					
	20	160					
		200					
		250					
		315					

KONEK PSN



Guide strips

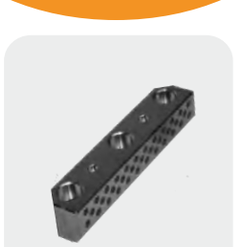
KD T1475

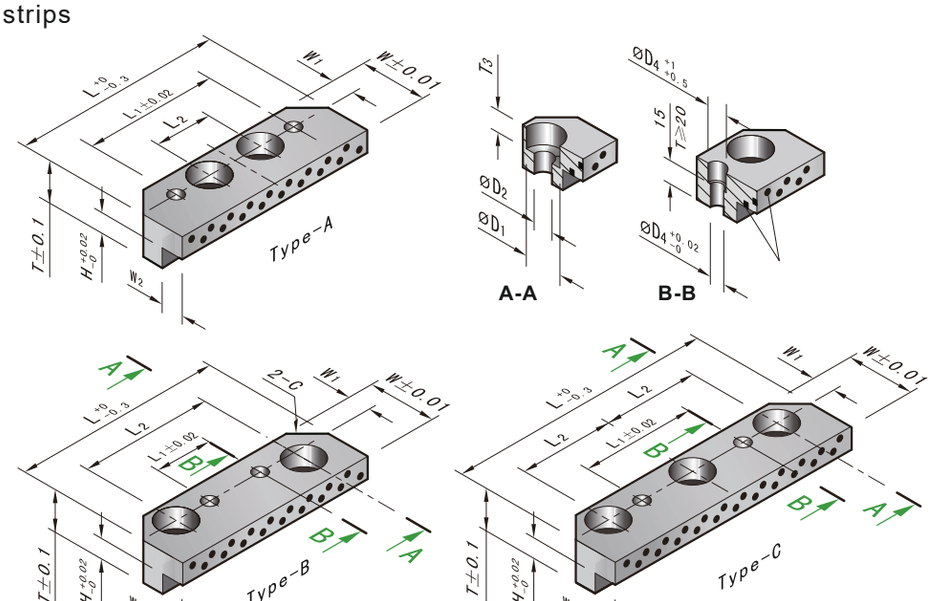
KDT1475-T-H-L M Material:P20 H Hardness:≈900HV

T	H	L		W1	W2	M	
12	6	40	16	6	12	M 5	
		50					
		63					
		80					
16	8	50			11		
		63					
		80					
		100					
20	8	63	20	9	15	M 6	
		80					
		100					
		125					
	11	63					
		80					
		100					
		125					
25	8	80					
		160					
	13	80					
		100					
		125					
		160					
32	10	100	25	11	19	M 8	
		125					
		160					
		200					
	16	100					
		125					
		160					
		200					
40	10	125					
		160					
		200					
		250					
	16	125					
		160					
		200					
		250					
50	12	160	32	14	24	M10	
		200					
		250					
		315					
	20	160					
		200					
		250					
		315					

Oil-free plain guide strips

KD T1461





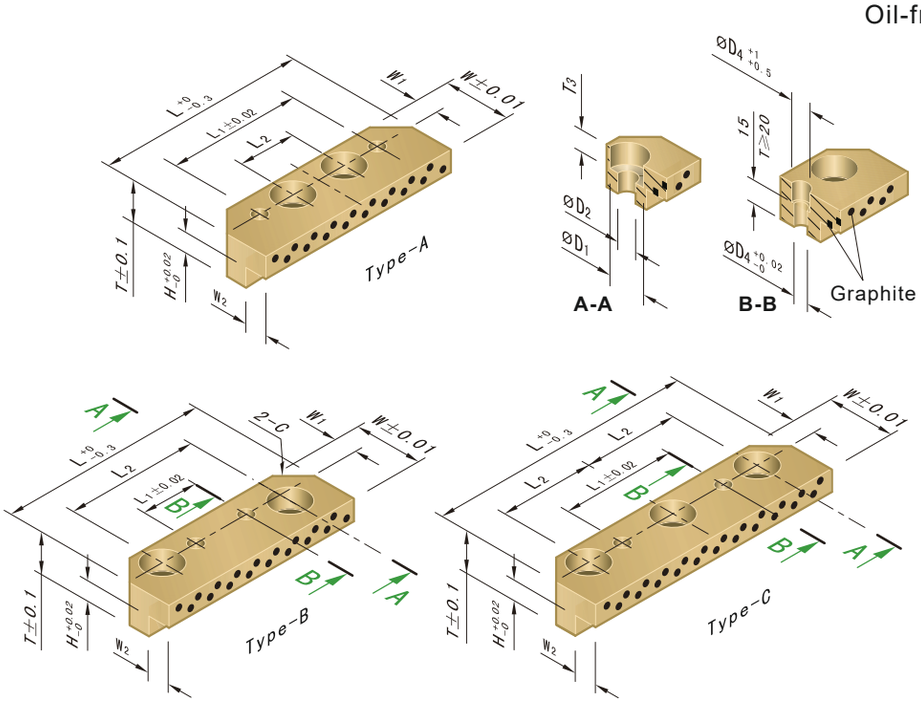
KDT1461-W-L Material:Oil steel+graphite Hardness:53-58HRC

W	L	Type				L1	L2
15	60	A	8	6	4.5	40	20
	80	B				35	55
	100					55	75
20	60	A		9	5.5	40	20
	80	B				20	50
	100					40	70
	120	C				60	45
25	80	A	10		7.5	20	
	100	B				40	65
	120	C				60	42.5
	140					80	52.5
30	120		15	11	11	40	40
	140					60	50
	160					80	60
	180					100	70

D1	D2	D4	C	T	T3	@¥/P
9.5	5.5	6	9	15	6	
11	6.5		11	20	7	
14	9	8	13	25	9	
18	11		16	30	11	

Oil-free plain guide strips

KD T1462



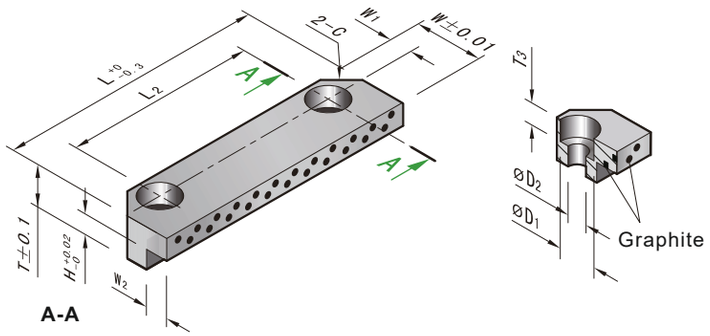
KDT1462-W-L Material:Brass+graphite

W	L	Type	H	W1	W2	L1	L2
15	60	A	8	6	4.5	40	20
	80	B				35	55
	100					55	75
20	60	A		9	5.5	40	20
	80	B				20	50
	100					40	70
	120	C				60	45
25	80	A	10		7.5	20	
	100	B				40	65
	120	C				60	42.5
	140					80	52.5
30	120		15	11	11	40	40
	140					60	50
	160					80	60
	180					100	70

D1	D2	D4	C	T	T3	
9.5	5.5	6	9	15	6	
11	6.5		11	20	7	
14	9	8	13	25	9	
18	11		16	30	11	

Oil-free plain guide strips

KD T1463



KDT1463-W-L M Material:Oil steel+graphite H Hardness:53-58HRC

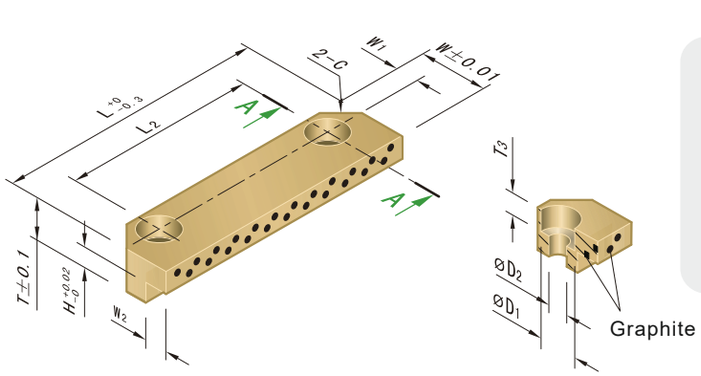
W	L	H	W1	W2	L2
15	60	8	6	4.5	20
	80				55
	100				75
20	60		9	5.5	20
	80				50
	100				70
	120				45
25	80	10		7.5	65
	100				42.5
	120				52.5
	140				
30	120			11	40
	140				50
	160				60
	180				70

D1	D2	C	T	T3	
9.5	5.5	9	15	6	
11	6.5	11	20	7	
14	9	13	25	9	
18	11	16	30	11	

KONEK PSN

Oil-free plain guide strips

KD T1464



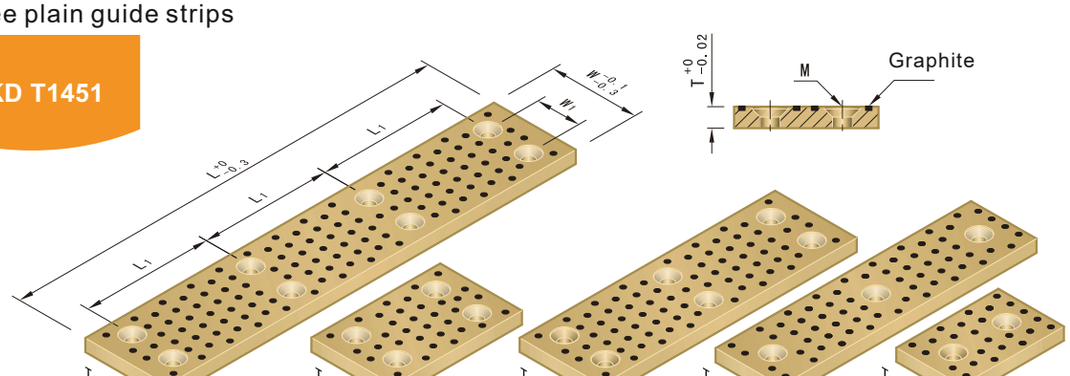
KDT1464-W-L Material:Brass+graphite

W	L	H	W1	W2	L2
15	60	8	6	4.5	20
	80				55
	100				75
20	60		9	5.5	20
	80				50
	100				70
	120				45
25	80	10		7.5	65
	100				42.5
	120				52.5
	140				
30	120			11	40
	140				50
	160				60
	180				70

D1	D2	C	T	T3	
9.5	5.5	9	15	6	
11	6.5	11	20	7	
14	9	13	25	9	
18	11	16	30	11	

Oil-free plain guide strips

KD T1451

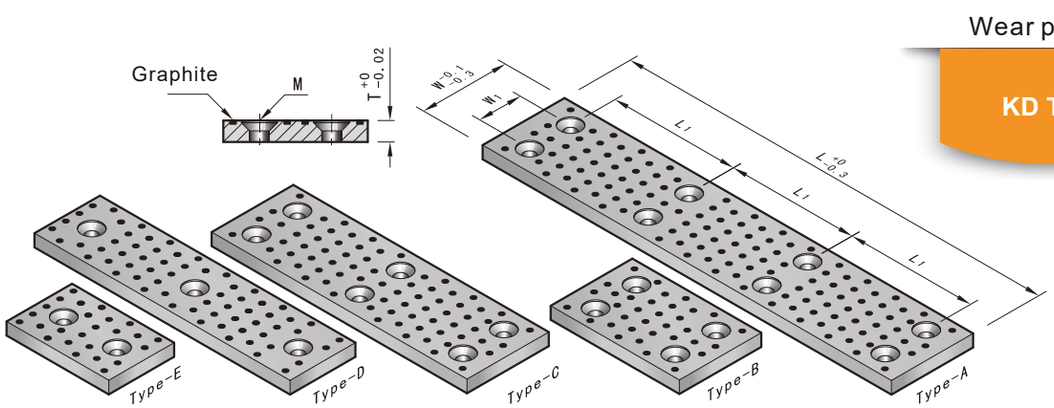


KDT1451-W-T-L Material:Brass+graphite

W	T	L		L1	W1	M	
12	5	32	E	16	-	M4	
		40		24			
		50		34			
		63		47			
16		80	D	32			
		32	E	16			
		63		47			
			D				
		100		42			
20	6	40	E	20		M5	
		63		43			
		80		60			
		100	D	40			
25		40	E	20			
		50		26			
		63		39			
		80		56			
		100		76			
		125	D	50.5			
32		50	E	26			
		63		39			
		80		56			
		100		76			
		125	D	50.5			
		160		68			
40		63	B	39	20		
		80		56			
		100		76			
		125	C	50.5			
		160		68			
		200	A	58			
50	8	80	B	56	24	M6	
		100		76			
		125	C	50.5			
		160		68			
		200	A	58			
		250		74			
63		100	B	76	35		
		125	C	50.5			
		160		68			
		200	A	58			
		250		72			
		315		93			
80		125	C	50.5	50		
		160		68			
		200	A	58			
		250		72			
		315		93			

Wear plates

KD T1452



KDT1452-W-T-L M Material:Oil steel+graphite H Hardness:53-58HRC

W	T	L		L1	W1	M	
12	5	32	E	16	-	M4	
		40		24			
		50		34			
		63		47			
		80	D	32			
16		32	E	16			
		40		24			
		50		34			
		63		47			
		80	D	32			
		100		42			
20	6	40	E	20		M5	
		50		30			
		63		43			
		80		60			
25		50	E	26			
		63		39			
		80		56			
		100		76			
		125	D	50.5			
32		50	E	26			
		80		56			
40		100		76	20		
		125	C	50.5			
		160		68			
		200	A	58			
50	8	80	B	56	24	M6	
		100		76			
		125	C	50.5			
		160		68			
		200	A	58			
		250		74			
63		100	B	76	35		
		125	C	50.5			
		160		68			
		200	A	58			
		250		72			
		315		93			
80		125	C	50.5	50		
		160		68			
		200	A	58			
		250		72			
		315		93			

KONEK PSN

ODPOWIETRZNIKI MOSIĘŻNE

KONEK PSN posiada w swojej ofercie odpowietrzniki mosiężne. Od dziesięcioleci są one wypróbowanymi i sprawdzonymi rozwiązaniami stosowanymi w formach odlewniczych. Zawsze zapewniamy produkty sprawdzone oraz najwyższej jakości.

Dostarczane są w wariantach:

Średnica zew. do 16 mm - 1 pierścień wzmacniający
Średnica zew. od 18 mm - 2 pierścienie wzmacniające

Średnica zew. do 10 mm - Głębokość szczeliny 3 mm
Średnica zew. od 12 mm - Głębokość szczeliny 4 mm

Szczegółowe informacje znajdą Państwo w tabeli poniżej.

UWAGA! Nasze odpowietrzniki mają wyprofilowane stożkowe szczeliny, które mają tę zaletę, że szerokość szczeliny staje się większa w kierunku dna. Oznacza to, że dysza czyści się sama i tym samym możliwa jest dłuższa praca bez konieczności ręcznego czyszczenia.

Średnica x wysokość mm	Nr art.
3 x 7	21021
4 x 7	21022
5 x 7	21023
6 x 7	21024
7 x 7	21025
8 x 7	21026
9 x 7	21027
10 x 7	21028
12 x 7	21029
13 x 7	21030
14 x 7	21031
15 x 7	21032
16 x 7	21033
18 x 7	21034
20 x 7	21035
25 x 8	21036
26 x 8	21037
30 x 8	21038

Zalety stosowania naszych dysz:

Zwiększona produktywność

Krótsze przestoje maszyny spowodowane czyszczeniem otworów dysz zwiększą wydajność produkcji.

Niższe koszty

Zatrzymanie produkcji powoduje ogromne koszty. Z jednej strony koszty bezpośrednio związane z użyciem materiałów czyszczących, takich jak ostrza skalpela lub suchy lód. Z drugiej strony - często nieobserwowane - o wiele wyższe koszty pośrednie związane z przestojem ludzi i maszyn.

Wyższa jakość detali

Dzięki dokładnym szczelinom przepuszczającym powietrze zwiększa się niezawodność procesu – eliminujemy wady produkcyjne spowodowane zatkanymi otworami odpowietrzającymi.

Lepszy proces odlewniczy

Mniej obróbki skrawaniem dzięki zmniejszeniu śladów w obrębie otworów odpowietrzających. Większe otwarte powierzchnie w porównaniu z konwencjonalnymi otworami wentylacyjnymi umożliwiają zmniejszenie liczby i średnic otworów wentylacyjnych.

Więcej zadowolonych pracowników

Mniej wysiłku, zmniejszenie do minimum konieczności czyszczenia dysz szczególnie jeśli znajdują się one w trudno dostępnych miejscach.

KONEK PSN, ul. Józefa Milcherta 1, 86-862 Bydgoszcz | +48 52 379 26 53 | info@konek.com.pl | www.konek.com.pl

KONEK PSN

ODPOWIETRZNIKI STALOWE

KONEK PSN posiada w swojej ofercie odpowietrzniki stalowe. Od dziesięcioleci są one wypróbowanymi i sprawdzonymi rozwiązaniami stosowanymi w formach odlewniczych. Zawsze zapewniamy produkty sprawdzone oraz najwyższej jakości.
Dostarczane są w wariantach:

Średnica zew. do 18 mm - 1 pierścień wzmacniający
Średnica zew. od 20 mm - 2 pierścienie wzmacniające

Średnica zew. do 20 mm - Głębokość szczeliny 3 mm
Średnica zew. od 25 mm - Głębokość szczeliny 4 mm

Szczegółowe informacje znajdą Państwo w tabeli poniżej.

UWAGA! Nasze odpowietrzniki mają wyprofilowane stożkowe szczeliny, które mają tę zaletę, że szerokość szczeliny staje się większa w kierunku dna. Oznacza to, że dysza czyści się sama i tym samym możliwa jest dłuższa praca bez konieczności ręcznego czyszczenia.

Średnica x wysokość mm	Nr art.
3 x 10	23521
4 x 10	23522
5 x 10	23523
6 x 10	23524
7 x 10	23525
8 x 10	23526
9 x 10	23527
10 x 10	23528
12 x 10	23529
14 x 10	23531
15 x 10	23532
16 x 10	23533
18 x 10	23534
20 x 10	23535
25 x 10	23536
26 x 10	23537
30 x 10	23538

Zalety stosowania naszych dysz:

Zwiększona produktywność

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