

# RUNNER CHANGE PINS

—FOR EJECTOR PINS L DIMENSION SELECTION TYPE • L DIMENSION DESIGNATION TYPE—

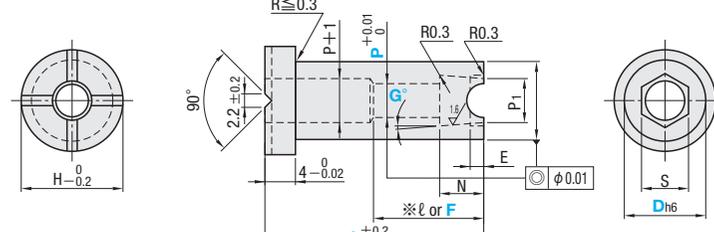
Ⓜ Non JIS material definition is listed on P.1351 - 1352



**RoHS**

**Type (Select the runner groove shape from the drawings below)**

**RCPN** (L dimension selection type)  
**RCPL** (L dimension designation type)



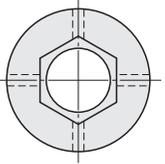
※ ℓ=L dimension selection type  
F=L dimension designation type

Ⓜ SKD61  
Ⓜ 48~52HRC

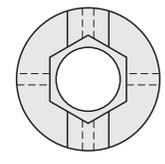
Ⓜ The surface roughness of hexagon socket. ( $\sqrt{17}$ )

**Shape 1 Top shape** (Ⓜ The plunger groove is provided in the same direction as the runner groove.)

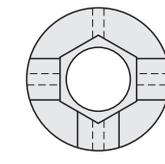
**N** (No groove)



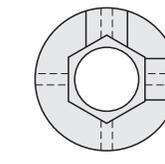
**I**



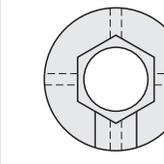
**T**



**K**

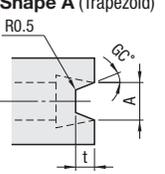


**L**



**Shape 2 Side shape**

**Shape A (Trapezoid)**

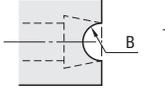


● **A dimension selection**

Applicable D dimension	A	t	GC*
10 · 13 · 16	3	2.5	7
13 · 16	4	3	
16	5	3.5	
16	6	4	10

Available to select the trapezoidal taper angle (GC\*).  
For details, refer to the Alterations column at lower right.  
Ⓜ Without GC, taper angle is 10°.  
Ⓜ Not available for D8  
Ⓜ When Shape 1 is T and K, A5 and A6 are impossible to process for the hexagonal wrench fitness get worse.

**Shape B (Semicircle)**

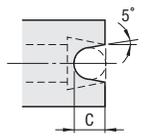


● **B dimension selection**

Applicable D dimension	B
8 · 10 · 13 · 16	1
	1.25
	1.5
	1.75
10 · 13 · 16	2
	2.25
	2.5
13 · 16	3
16	3.5
	4

Ⓜ When Shape 1 is T and K, B3~B4 are impossible to process for the hexagonal wrench fitness get worse.

**Shape C (Arc+Tangent)**



● **C dimension selection**

Applicable D dimension	C
8 · 10 · 13 · 16	2
10 · 13 · 16	2.5
13 · 16	3
16	3.5
	4

Ⓜ When Shape 1 is T and K, C3.5 and C4 are impossible to process for the hexagonal wrench fitness get worse.

## L dimension selection • L dimension designation type

Applicable plungers	H	E	P1	S	N	Part Number		Shape2			L	ℓ or F		P	G°	
						Type	D	Shape1	A	B		C	RCPN ℓ			RCPL F (1mm increments)
BPJ4 BSJ4	14	3	3.5	4	6	8		—	1	1.25	2	RCPN L dimension selection type 20 25 30 35 40 50 RCPL L dimension designation type 0.1mm increments 15.0~50.0	12	8~30	3	
	16		4.6	5					3	1.5 1.75 2 2.25	2.5		13			
BPJ5 BSJ5	19	4	5.8	6	8	13	N I *T *K L	3 4	1	1.25	2	RCPN L dimension selection type 20 25 30 35 40 50 60 RCPL L dimension designation type 0.1mm increments 20.0~60.0	14	10~30	5	0
			6.8	8					4	1.5 1.75 2 2.25 2.5 *3	2.5 3					
	22	5	9	10	10	16	3 4 5 6	1 1.5 2 2.5 3 3.5	1.25 1.75 2.25 3 4	2 2.5 3 3.5 4	RCPN L dimension selection type 30 35 40 50 60 RCPL L dimension designation type 0.1mm increments 20.0~60.0	20	12~30	8	1 2 3 4 5	

Ⓜ When Shape 1 is \*T • \*K, • A5 6 • B3 4 • C3.5 4 are impossible to process. Ⓜ See P.651 for specifications of the applicable plungers.  
Ⓜ When N is selected for Shape 1, no need to designate Shape 2.

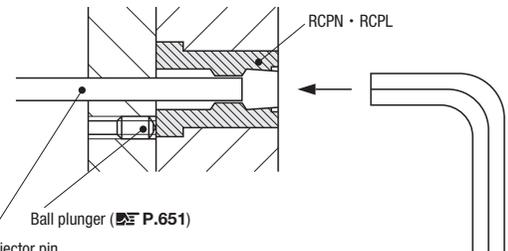
**Order** Part Number — Shape1 — Shape2 — L — F — P — G

RCPN13 — I — C2.5 — 30 — P5 — G2  
RCPL13 — I — C2.5 — 31.2 — F20 — P6 — G3

**Days to Ship** **Quotation**

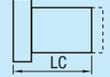
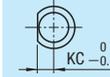
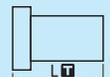
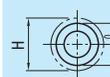
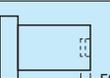
**Price** **Quotation**

**EX Example** The runner groove direction can be changed from the PL side using a hexagonal wrench. Please use a ball plunger for positioning.



**Alterations** Part Number — Shape1 — Shape2 — L(LC) — F — P — G — (LKC · HC · EQ...etc.)

RCPN13 — I — C2.5 — LC28.01 — P5 — G2 — LKC — EC5  
RCPL13 — I — A4 — 31.2 — F20 — P6 — G3 — GC7

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	LC	Full length alteration 0.1mm increments 20 < LC < Lmax. Ⓜ Available for L dimension selection type. When combined with LKC, LC=0.01mm increments possible. Ⓜ ℓ becomes shorter by (L-LC). ℓ ≥ N+1			KC	Single flat cutting KC=D/2 [Designation method] KC KC position • Shape 1 Please confirm it with Top shape.	
	LKC	Changes L dimension tolerance $L_{+0.2}^{+0.1} \rightarrow L_{-0.02}^0$ Ⓜ When L dimension designation, L dimension designation in 0.01mm increments possible.	<b>Quotation</b>		HC	Changes head diameter $D \leq HC < H$ 0.1mm increments	<b>Quotation</b>
	EC	Changes the groove depth E dimension of hexagonal wrench. D EC dimension selection 8 · 10 4 · 5 13 3 · 5 16 3 · 4			GC	[Shape2] A shape taper angle (GC*) change GC* selection 10° 7° [Designation method] 10° → GC10 7° → GC7 Ⓜ Not available for D8	

Components of Runner Electrodes