


# RUNNER CHANGE PINS

— FOR Z PIN COMBINATION L DIMENSION SELECTION • L DIMENSION DESIGNATION TYPE —

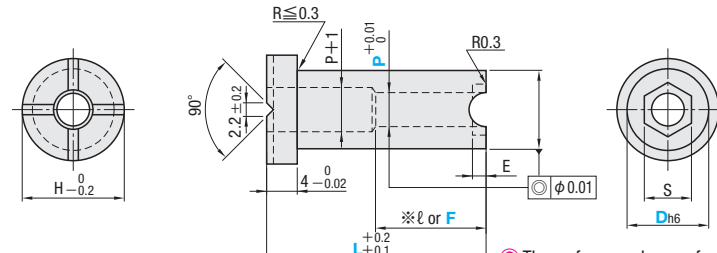
Ⓜ Non JIS material definition is listed on P.1351 - 1352



**RoHS**

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

**RCPNZ** (L dimension selection type)  
**RCPLZ** (L dimension designation type)



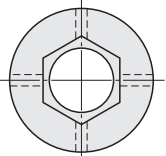
※ ℓ = L dimension selection type  
 F = L dimension designation type

Ⓜ SKD61  
 Ⓜ 48~52HRC

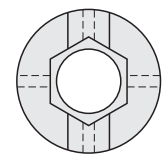
Ⓜ The surface roughness of hexagon socket. ( $\sqrt{1}$ )

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

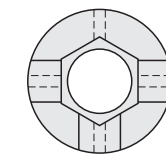
**N** (No groove)



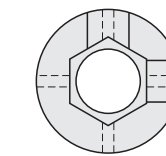
**I**



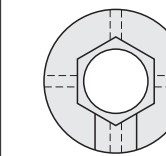
**T**



**K**

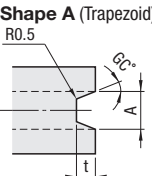


**L**



**Shape 2 Side shape**

**Shape A (Trapezoid)**  
R0.5

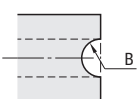


● **A dimension selection**

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

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)**

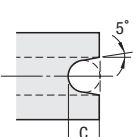


● **B dimension selection**

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

Ⓜ When Shape 1 is T and K, B3~4 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	S	Part Number		Shape1	Shape2			L	ℓ or F		P
				Type	D		A	B	C		RCPNZ ℓ	RCPLZ F (1mm increments)	
BPJ4 BSJ4	14	3	4	RCPNZ (L dimension selection)	8	N	—	1	1.25	2	RCPNZ] L dimension selection type 20 25 30 35 40 50 RCPLZ] L dimension designation type 0.1mm increments 15.0~50.0	12	3
	16		5					3	1.5				
BPJ5 BSJ5	19	4	6	RCPNZ (L dimension selection)	13	*T *K L	3	1	1.25	2	RCPNZ] L dimension selection type 20 25 30 35 40 50 60 RCPLZ] L dimension designation type 0.1mm increments 20.0~60.0	14	5
			8					4	1.5				
	22	5	10	RCPNZ (L dimension selection)	16		3	1	1.25	2	RCPNZ] L dimension selection type 30 35 40 50 60 RCPLZ] L dimension designation type 0.1mm increments 20.0~60.0	20	8

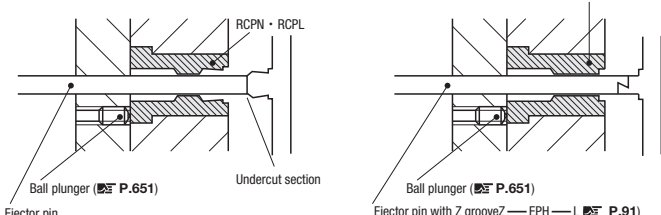
Ⓜ When Shape 1 is \*T • \*K, A5 6 • B3 4 • C3.5 4 are impossible to process. Ⓜ See P.651 for specifications of the applicable plungers.  
 Ⓜ When N is selected for Shape 1, no need to designate Shape 2.

**Order** Part Number — Shape1 — Shape2 — L — F — P  
 RCPNZ13 — I — C2.5 — 30 — P5  
 RCPLZ13 — I — C2.5 — 30 — F20 — P6

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

**Price** **Quotation**

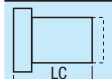

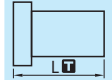
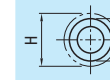
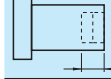

**Example** [Conventional products] [For Z Pin combination]



Ball plunger (Ⓜ P.651) Undercut section  
 Ejector pin  
 Ball plunger (Ⓜ P.651) Ejector pin with Z grooveZ — EPH — L Ⓜ P.91

Effective to prevent resin powders from being mixed in the products. When the resin with a high transparency etc. are used, it will generate chipping powder when the resin of undercut part is releasing from the mold. Moreover, the runner groove direction can be changed from the PL side using a hexagonal wrench as well as conventional products.  
 Please use a ball plunger for positioning.

**Alterations** Part Number — Shape1 — Shape2 — L(LC) — F — P — (LKC • HC • EQ...etc.)  
 RCPNZ13 — I — C2.5 — LC28.01 — P5 — LKC-EC5  
 RCPLZ13 — T — A3 — 30.1 — F20 — P6 — 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 combination with LKC, LC=0.01mm increments possible. Ⓜ ℓ becomes shorter by (L-LC). ℓ ≥ N+1	Quotation		KC	Single flat cutting KC=D/2 [Designation method] KC Ⓜ KC position Ⓜ Shape 1 Ⓜ Please confirm it with Top shape.	Quotation
	LKC	Changes L dimension tolerance $L_{+0.02}^{+0.1} \rightarrow L_{-0.02}^0$ Ⓜ When L dimension designation, L dimension designation in 0.01mm increments possible.			HC	Changes head diameter D ≤ HC < H 0.1mm increments	
	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	