

High Speed Steel
SKH51 equivalent

C-chamfered Precision
P · W⁰_{-0.005}
Free designation

C-CHAMFERED PRECISION RECTANGULAR EJECTOR PINS

—FREE DESIGNATION TYPE—

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

Part Number			Head Thickness	P · W
1 place is chamfered.	2 places are chamfered.	4 places are chamfered.		
ERVF1AC ERVF1BC	ERVF2AC ERVF2BC ERVF2CC ERVF2DC	ERVF4AC	4mm(T4)	⁰ _{-0.005}

No. of C	Shape	C parts			
		① Upper left	② Upper right	③ Lower left	④ Lower right
1	1AC	①	—	—	—
	1BC	—	②	—	—
2	2AC	①	②	—	—
	2BC	①	—	③	—
3	3AC	①	—	—	④
	3BC	—	②	③	—
4	4AC	①	②	③	④

Ⓜ Range of guaranteed shaft diameter precision (D) (Details [P.1301](#))
Ⓜ Step R (Details [P.1302](#))
Ⓜ SKH51 equivalent
Ⓜ 58~60HRC
Ⓜ Range of guaranteed base material hardness (Details [P.1303](#))

Ⓜ C position is selected from C-position selection [Shape].
Ⓜ P ≥ W
Ⓜ K = √(P² + W²) (Dimension before C processing)

C-position Designation

Shape						
One place of C		Two places of C				Four places of C
1AC	1BC	2AC	2BC	2CC	2DC	4AC
① Upper left	② Upper right	① Upper left ② Upper right	① Upper left ③ Lower left	① Upper left ④ Lower right	② Upper right ③ Lower left	4 places

Alterations Part Number — L — P — W — C — N — (AKC · AWC...etc.)
ERVF2AC4 — 150.00 — P3.0 — W1.0 — C0.1 — N60 — AKC90

Alterations	Code	Spec.	1Code
	AKC	AKC=1° increments Ⓜ 0 ≤ AKC < 360 Ⓜ When combined with KSA/WSA, 90° increments only.	
	AWC	AWC=1° increments Ⓜ 0 ≤ AWC < 360 Ⓜ When combined with KSA/WSA, 90° increments only.	
	ARC	ARC=1° increments Ⓜ 0 ≤ ARC < 360 Ⓜ When combined with KSA/WSA, 90° increments only.	
	ADC	ADC=1° increments Ⓜ 0 ≤ ADC < 360 Ⓜ When combined with KSA/WSA, 90° increments only.	
	KGA	KGA=1° increments Ⓜ 0 < KGA < 360	
	KGD	KGD=1° increments Ⓜ 0 < KGD < 360	
	TMC	Lapping on the tip face	
	LKC	L dimension tolerance alteration L ^{+0.02} ... ^{+0.01} Ⓜ Available when L ≤ 200	

Alteration details [P.195](#)

Alterations	Code	Spec.	1Code
	HC	HC=0.1mm increments Ⓜ D+1 ≤ HC < H	
	HCC	HCC=0.1mm increments Ⓜ D+1 ≤ HCC < H-0.3	
	KSA	KSA=0.1mm increments Ⓜ W/2+0.1 ≤ KSA ≤ D/2-0.1	
	WSA	WSA=0.1mm increments Ⓜ W/2+0.1 ≤ WSA ≤ D/2-0.1	
	TC	TC=0.1mm increments Ⓜ 2.0 ≤ TC < 4 (Dimensions L and N remain unchanged) Ⓜ 4-TC ≤ Lmax.-L	
	NHC	Numbering on the head How to order P.196	
	NHH	Automatic sequential numbering on the head How to order P.196	

H	T	Part Number			0.01mm increments			C	Kmax.	N 1mm increments	Nmin.
		Type	Shape	D	L	P	W				
3	4	ERVF (4mm head)	1AC 1BC 2AC 2BC 2CC 2DC 4AC	1.5	50.00~250.00	0.60~1.30	0.30~ 0.40~ 0.50~ 0.80~	0.06 0.1 0.15 0.2 0.3	1.4	20 ≤ (L-N) ≤ 200	23
4				2		0.80~1.80			1.9		
5				2.5		0.80~2.30			2.4		
6				3		0.80~2.80			2.9		
7				3.5		1.00~3.30			3.4		
8				4		1.00~3.80			3.9		
				4.5		1.20~4.30			4.4		
9				5		1.50~4.80			4.9		
				5.5		1.80~5.30			5.4		
10				6		2.00~5.80			5.9		
				7		2.30~6.80			6.9		
11				8		2.30~7.80			7.9		
	10	3.00~9.80	9.9								
15	12	4AC	3.50~11.80	0.80~	11.9						

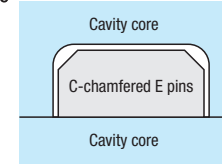
Ⓜ Designate P·W dimensions within the Kmax. K=√(P²+W²) (Dimension before C processing) Ⓜ P ≥ W Ⓜ Select C dimension from the range of C ≤ W/2 - 0.07.

Order Part Number — L — P — W — C — N
ERVF2AC4 — 150.00 — P3.0 — W1.0 — C0.1 — N60

Days to Ship **Quotation**

Price **Quotation**

Example Separable Piece



- As a result of C-chamfering machining, a clearance between the E pin and the cavity core becomes larger, enabling this construction to be used as a gas vent as well.
- C-chamfering machining is performed as far as the step R(L-N), enabling the extra machining of gas vent to be omitted.
- When using a highly fluid resin, resin burrs sometimes occur, so it is recommended using the conventional rectangular ejector pins in such a case.

Rectangular Ejector Pins

High Speed Steel SKH51 equivalent

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