High Speed Steel
SKH51 equivalent

C-chamfered
P・W$_{-0.01}^{0}$
Free designation

C-CHAMFERED RECTANGULAR EJECTOR PINS

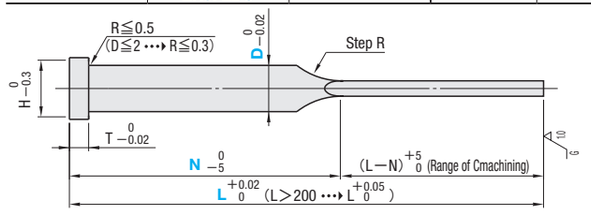
—FREE DESIGNATION TYPE—

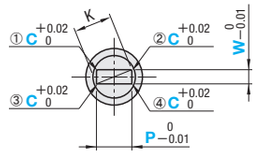
Non JIS material definition is listed on P.1351 - 1352

RoHS

Part Number			Head Thickness	T P・W
1 place is chamfered.	2 places are chamfered.	4 places are chamfered.		
ERF1AC ERF1BC	ERF2AC ERF2BC ERF2CC ERF2DC	ERF4AC	4mm(T4)	$^{0}_{-0.01}$
ERJF1AC ERJF1BC	ERJF2AC ERJF2BC ERJF2CC ERJF2DC	ERJF4AC	4・6・8mm(JIS)	$^{0}_{-0.01}$

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	—
	2CC	①	—	—	④
	2DC	—	②	③	—
4	4AC	①	②	③	④





Range of guaranteed shaft diameter precision (D) (Details P.1301)
Step R (Details P.1302)

C position is selected from C–position selection Shape .
P≧W K=$\sqrt{P^2+W^2}$ (Dimension before C processing)
Range of guaranteed base material hardness (Details P.1303)

M SKH51 equivalent
H 58～60HRC

4mm head H	4mm head T	JIS head H	JIS head T	Part Number Type	Part Number Shape	D	0.01mm increments L	P	W	C	Kmax.	N 1mm increments	Nmin.
3	4	3	4	ERF (4mm head) ERJF (JIS head)	1AC	1.5	50.00～250.00	0.60～ 1.30	0.30～	0.06	1.4	20≦(L−N)≦200	23
4		4				2		0.80～ 1.80			1.9		
5		5			1BC	2.5		0.80～ 2.30			2.4		26
6		6			2AC	3		0.80～ 2.80		0.1	2.9		27
7		7			2BC	3.5		1.00～ 3.30			3.4		
8		8	6		2CC	4		1.00～ 3.80		0.15	3.9		29
					2DC	4.5		1.20～ 4.30	0.40～	0.2	4.4		
9		9			4AC	5		1.50～ 4.80			4.9		31
		10				5.5		1.80～ 5.30		0.3	5.4		
10		11				6		2.00～ 5.80			5.9		33
11		13				7		2.30～ 6.80	0.50～		6.9		
15		15	8			8		2.30～ 7.80		C≦$\frac{W}{2}$−0.07	7.9		40
17		17				10		3.00～ 9.80			9.9		
						12		3.50～11.80	0.80～		11.9		

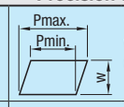
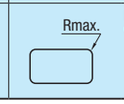
Designate P・W dimensions within the Kmax. Select a dimension from the range of C≦$\frac{W}{2}$−0.07.

Order — Part Number — L — P — W — C — N
ERF2AC4 — 150.00 — P3.0 — W1.0 — C0.1 — N60

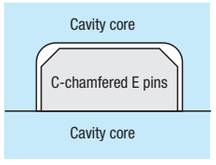
Days to Ship — Quotation

Price — Quotation

Example

Precision Standard		
Squareness of the tip corner		W plane as the base (Pmax.−Pmin.)≦0.02
Corner R value of the tip corner		Rmax.≦0.03 (Trimming R) Corner R value outside R processing range The tip corners have been slightly trimmed to measure the P・W dimensions. (Details P.1313)

Separable Piece

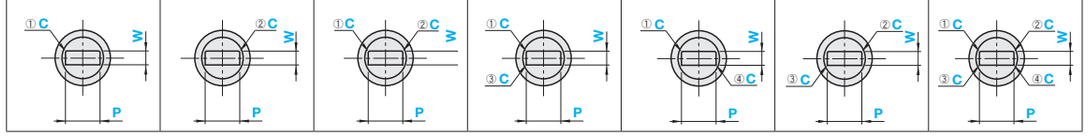


- As a result of C-chamfering machining, a clearance between the E pin and the cavity core becomes larger, enabling this construction to be used as a gas vent as well.
- C-chamfering machining is performed as far as the step R(L−N), enabling the extra machining of gas vent to be omitted.

When using a highly fluid resin, resin burrs sometimes occur, so it is recommended using the conventional rectangular ejector pins in such a case.

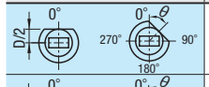
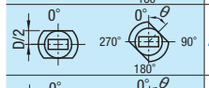
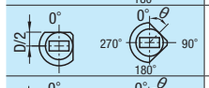
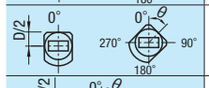
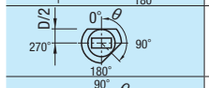
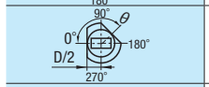
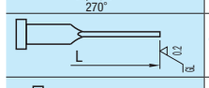
■C-position Designation

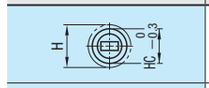
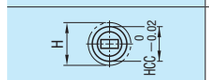
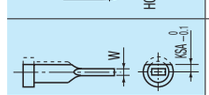
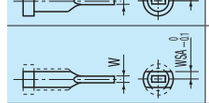
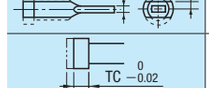
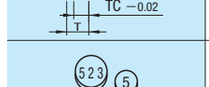
Shape						
One place of C		Two places of C				Four places of C
1AC	1BC	2AC	2BC	2CC	2DC	4AC
① Upper left	② Upper right	① Upper left ② Upper right	① Upper left ③ Lower left	① Upper left ④ Lower right	② Upper right ③ Lower left	4 places



Alterations — Part Number — L — P — W — C — N — (AKC・AWC⋯etc.)
ERF2AC4 — 150.00 — P3.0 — W1.0 — C0.1 — N60 — AKC90

Alteration details P.195

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.	Quotation
	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$_{0}^{+0.02}$ ⋯▸ $_{0}^{+0.01}$ Available when L≦200	

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	Quotation
	WSA	WSA=0.1mm increments W/2+0.1≦WSA≦D/2−0.1	
	TC	TC=0.1mm increments T/2≦TC<T (Dimensions L and N remain unchanged) T−TC≦Lmax.−L	
	NHC	Numbering on the head How to order P.196	
	NHN	Automatic sequential numbering on the head How to order P.196	