

High Speed Steel  
SKH51 equivalent

Precision  
P · W<sub>-0.005</sub>  
Blank

# PRECISION RECTANGULAR EJECTOR PINS

—STANDARD—

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

**Part Number** | **Head Thickness** | **P · W**

ERVB	4mm(T4)	0 -0.005
ERVJB	6 · 8mm(JIS)	

ⓘ 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](#))

ⓘ  $P \geq W$   
ⓘ  $K = \sqrt{P^2 + W^2}$

Order **Part Number** - **L** - **P** - **W** - **N**  
ERVB 4 - 100 - P3.0 - W2.0 - N40

Days to Ship **Quotation**

**Express T applicable sizes**

Part Number	D	L	P	W	N
ERVB (Head Thickness 4mm)	1.5	100	1.0 1.2	0.4 0.5	50
	2	100	1.2 1.5	0.4 0.5 0.6	50
		150		60	
	2.5	150	2.0	0.5 0.6 0.7 0.8	60
		200		70	
	3	150	2.5	0.7 0.8 1.0	50 60
		200		70	
	3.5	150	3.0	0.8 1.0	50 60
		200		70	

Alterations **Part Number** - **L** - **P** - **W** - **N** - (AKC · AWC...etc.)  
ERVB 4 - 100 - P3.0 - W2.0 - N40 - AWC 0

**Quotation**

### Alteration details [P.195](#)

Alterations	Code	Spec.	1Code
	VAK (precision)	VAK=45° increments AKC=1° increments 0 ≤ VAK or AKC < 360 ⊗ (VAK) KSA, WSA not available ⊗ (AKC) When combined with KSA, WSA, 90° increments only.	
	VAW	VAW=45° increments 0 ≤ VAW < 360 ⊗ Combination with KSA/WSA not available.	
	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.	<b>Quotation</b>
	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	
	HC/HCC (precision)	HC, HCC=0.1mm increments ⊗ (HC) D+1 ≤ HC < H ⊗ (HCC) D+1 ≤ HCC < H-0.3	

Alterations	Code	Spec.	1Code
	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 ⊗ T/2 ≤ TC < T ⊗ Dimensions L and N become shorter by (T-TC)	<b>Quotation</b>
	NC	Dowel hole boring NC=90° increments ⊗ Available when H ≥ 4 ⊗ Combination with other than NHC · NHN not available. How to order and detailed specifications <a href="#">P.195</a>	
	NCW	Dowel hole boring+Spring pin driving NCW=90° increments ⊗ Available when H ≥ 4 ⊗ Combination with other than NHC · NHN not available. How to order and detailed specifications <a href="#">P.195</a>	
	NHC	Numbering on the head How to order <a href="#">P.196</a>	
	NHN	Automatic sequential numbering on the head How to order <a href="#">P.196</a>	

4mm head JIS head		Part Number		D	L	P	W	N															
H	T	4mm head	JIS head																				
3	4	100	150	1.5	100	0.6 0.7 0.8 1.0 (1.2)	0.3 0.4 0.5 0.6 (0.8)	40 50 60															
								50 60 70 75 80 90 100															
								4	100	150	2	100	1.0 1.2 1.5 1.6 (1.8)	0.3 0.4 0.5 0.6 0.7 (0.8) (1.0)	40 50 60								
															40 50 60 70 80 90 100								
								5	100	150	2.5	100	1.5 1.6 (2.0)	0.4 0.5 0.6 0.7 0.8 1.0 1.2 (1.5)	40 50 60								
															40 50 60 70 80 90 100								
								6	100	150	3	100	2.0 (2.5)	0.4 0.5 0.6 0.7 0.8 1.0 1.2 (1.5)	40 50 60								
															40 50 60 70 80 90 100								
								7	4	100	150	3.5	100	2.5	0.4 0.5 0.6 0.7 0.8 1.0 1.2 1.5 2.0	40 50 60							
																40 50 60							
																4	100	150	200	3.0	2.5	0.4 0.5 0.6 0.7 0.8 1.0 1.2 1.5	40 50 60 70 80 90 100
																							40 50 60 70 80 90 100
4	100	150	200	3.0	3.0	0.4 0.5 0.6 0.7 0.8 1.0 1.2	60 70 80 90 100																
							60 70 80 90 100																
4	100	150	200	3.5	3.0	0.4 0.5 0.6 0.7 0.8 1.0 1.2	60 70 80 90 100																
							60 70 80 90 100																
8	4	100	150	4.5	150	4.0	0.6 0.8 1.0 1.2 1.5									40 50 60 70							
																60 70 80							
																5	100	150	200	4.0	4.0	0.8 1.0 2.0	50 60 80
																							60 70 80
								5.5	100	150	200	5.0	5.0	0.5 0.6 1.0	50 60 80								
															50 60 70 80								
								6	100	150	200	5.0	5.0	0.8 1.0 1.5	50 60 70 80								
															60 75 80								
								9	6	100	150	5	150	4.0	0.5 0.8 1.0 1.2	50 60 70							
																90 100							
																6	100	150	200	5.0	5.0	0.8 1.0 1.2	50 60
																							100
8	100	150	200	7.5	7.5	1.2 1.5	100																
							150																
10	100	150	200	8.0 9.0	8.0 9.0	1.5 3.0 5.0 5.5	120 130																
							80 100																
12	100	150	200	10.0	10.0	2.0 2.5 3.0 5.0	120																
							120 150																
																100							
																120 150							
								150															

ⓘ Selections in which both the P and W dimensions are enclosed in brackets ( ) cannot be made.

**P** Price **Quotation**

**Precision Standard**

<b>Squareness of the tip corner</b>	 Pmax. Pmin. W plane as the base (Pmax. - Pmin.) ≤ 0.01
<b>Corner R value of the tip corner</b>	 Rmax. Rmax. ≤ 0.03 (Trimming R) ⊗ The tip corners have been slightly trimmed to measure the P · W dimensions. (Details <a href="#">P.1313</a> )

Rectangular Ejector Pins

High Speed Steel SKH51 equivalent

Precision P · W<sub>-0.005</sub> Standard