

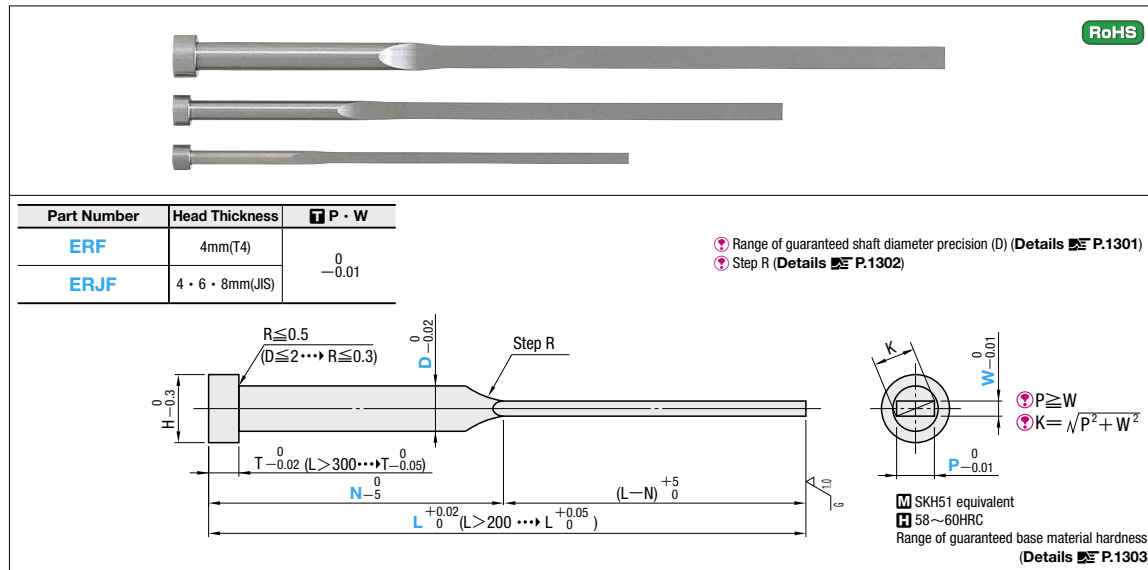
High Speed Steel
SKH51 equivalent

P · W_{-0.01}⁰
Free designation

RECTANGULAR EJECTOR PINS

— FREE DESIGNATION TYPE —

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



Alterations **Part Number** — L — P — W — N — (AKC · AWC...etc.)
ERF5 — 120.25 — P3.50 — W1.50 — N60 — AWC60

Quotation

Alterations	Code	Spec.	1Code
	VAK (precision)	VAK=45° 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.	
	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	
	HC (HCC (precision))	HC, HCC=0.1mm increments Ⓜ (HC) D+1 ≤ HC < H, D ≥ 1.5 Ⓜ (HCC) D+1 ≤ HCC < H-0.3, D ≥ 1.5	
	KSA	KSA=0.1mm increments Ⓜ W/2+0.1 ≤ KSA ≤ D/2-0.1 Ⓜ D ≥ 1.5	
	WSA	WSA=0.1mm increments Ⓜ W/2+0.1 ≤ WSA ≤ D/2-0.1 Ⓜ D ≥ 1.5	

Alteration details P.195

Alterations	Code	Spec.	1Code
	TC	TC=0.1mm increments Ⓜ T/2 ≤ TC < T (Dimensions L and N remain unchanged.) Ⓜ T-TC ≤ Lmax. — L, D ≥ 1.5	
	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 P.195	
	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 P.195	
	NHC	Numbering on the head Ⓜ How to order and detailed specifications P.196	
	NHN	Automatic sequential numbering on the head Ⓜ How to order and detailed specifications P.196	
	TMC	Lapping on the tip face Ⓜ Available when P ≥ 0.6 Ⓜ Available when L-N ≤ 31	Quotation
	LKC	L dimension tolerance alteration L+0.02 ... +0.01 Ⓜ Available when L ≤ 200	
	MC	Tapping D8 · 8.5 → M4 Ⓜ Not available for ERF Ⓜ Available when D ≥ 8 D12 · 15 → M6 Ⓜ Only available combination is with CSW · CSF · TMC	
	CSW	C-chamfering processing at 2 corners of the blade (except tip) for relief. [Designation method] CSW1—E25	Quotation
	CSF	C-chamfering processing at 4 corners of the blade (except tip) for relief. [Designation method] CSF0.5—E30	Quotation

4mm head		JIS head		Part Number		0.01mm increments				Kmax.	N 1mm increments	Nmin.			
H	T	H	T	4mm head	JIS head	D	L	P	W						
3	4	—	—	—	—	—	40.00~200.00	0.30~0.90	0.20~	1.0	10 ≤ (L-N) ≤ 150	23			
													1.1	0.30~1.00	1.1
													1.2	0.30~1.10	1.2
													1.3	0.30~1.20	1.3
													1.4	0.50~1.30	1.4
													1.5	0.80~1.80	1.9
													2	0.80~2.30	2.4
													2.5	0.80~2.80	2.9
													3	1.00~3.30	3.4
													3.5	1.00~3.80	3.9
													4	1.20~4.30	4.4
													4.5	1.50~4.80	4.9
													5	1.80~5.30	5.4
													5.5	2.00~5.80	5.9
													6	2.00~6.30	6.4
6.5	2.30~6.80	6.9													
7	2.30~7.80	7.9													
8	2.30~8.30	8.4													
8.5	3.00~9.80	9.9													
10	3.00~10.30	10.4													
11	3.50~11.80	11.9													
12	3.50~14.80	14.9													
15															

Ⓜ Designate P · W dimensions within the Kmax. $K = \sqrt{P^2 + W^2}$ Ⓜ P ≥ W

Order **Part Number** — L — P — W — N
ERF5 — 120.25 — P3.50 — W1.50 — N60

Days to Ship **Quotation**

Price **Quotation**

Precision Standard	
Squareness of the tip corner	 Pmax. Pmin. W plane as the base (Pmax. - Pmin.) ≤ 0.02
Corner R value of the tip corner	 Rmax. Ⓜ Rmax. ≤ 0.03 (Trimming R) Ⓜ The tip corners have been slightly trimmed to measure the P · W dimensions. Details P.1313

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