

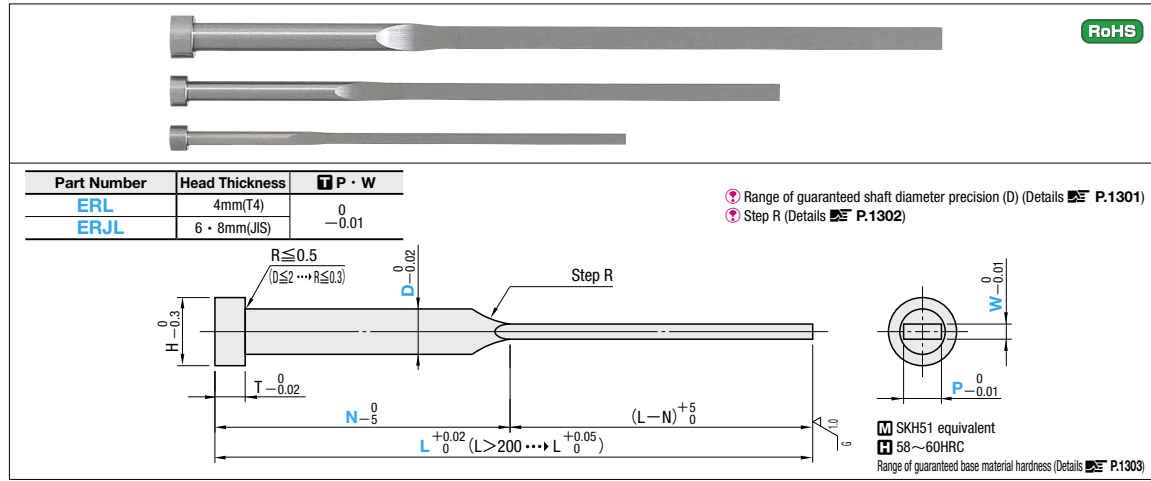
High Speed Steel
SKH51 equivalent

P · W_{-0.01}
L dimension
designation

RECTANGULAR EJECTOR PINS

— L DIMENSION DESIGNATION TYPE —

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



RoHS

Part Number	Head Thickness	P · W
ERL	4mm(T4)	0
ERJL	6 · 8mm(JIS)	-0.01

⚠ 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)

Order **Part Number** — **L** — **P** — **W** — **N**
ERJL8 — 185.05 — P6.0 — W1.0 — N80

Days to Ship **Quotation**

Precision Standard	
Squareness of the tip corner	P_{max} P_{min} W plane as the base $(P_{max} - P_{min}) \leq 0.02$
Corner R value of the tip corner	R_{max} $R_{max} \leq 0.03$ (Trimming R) The tip corners have been slightly trimmed to measure the P · W dimensions. (Details P.1313)

Alterations **Part Number** — **L** — **P** — **W** — **N** — (AKC · AWC · etc.)
ERJL 8 — 185.05 — P6.0 — W1.0 — N80 — AKC 0

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.	
	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	
	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	

Alterations	Code	Spec.	1Code
	TC	TC=0.1mm increments ⊗ T/2 ≤ TC < T ⊗ Dimensions N becomes shorter by (T-TC). (Dimension L remains unchanged.) ⊗ T-TC ≤ Lmax. — L	
	NC	Dowel hole boring NC=90° increments ⊗ Available when H ≥ 4 ⊗ Combination with other than NHC · MHN 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 · MHN not available. How to order and detailed specifications P.195	
	NHC	Numbering on the head How to order P.196	
	NHN	Automatic sequential numbering on the head How to order P.196	
	TMC	Lapping on the tip face	
	MC	Tapping D8 · 8.5 → M4 D10 · 10.5 → M5 D12 → M6 ⊗ Not available for ERL ⊗ Available when D ≥ 8 ⊗ Only available combination is with CSW · CSF · TMC	
	CSW	C chamfering processing at 2 points on top (except tip) for relief is performed. ⊗ Designation method CSW1—E25	
	CSF	C chamfering processing at 4 points (except tip) for relief is performed. ⊗ Designation method CSF0.5—E30	

4mm head JIS head		Part Number		L		P	W						N							
H	T	4mm head	JIS head	D	0.01mm increments		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	
3					1.5	50.00~100.00	0.8	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	1.8	2.0	2.5	40 50 60
						100.01~150.00	1.2													50 60 70 80
4					2	50.00~100.00	1.0	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	1.8	2.0	2.5	3.0	30 40 50 60
						100.01~150.00	1.2													40 50 60 70 80
						150.01~200.00	1.5													60 70 80
5					2.5	50.00~100.00	1.5	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	2.0	2.5	3.0	3.5	30 40 50 60
						100.01~150.00	(2.0)													40 50 60 70 80
						150.01~200.00														60 70 80 90 100
6					3	50.00~100.00	2.0	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	2.0	2.5	3.0	3.5	40 50 60
						100.01~150.00	(2.5)													40 50 60 70 80 90
						150.01~200.00														60 70 80 100 120
7					3.5	50.00~100.00	2.5	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5	3.0	40 50 60
						100.01~150.00	(3.0)													40 50 60 70 80
						150.01~200.00														60 70 80 100
8					4	50.00~100.00	3.0	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5	3.0	40 50 60
						100.01~150.00	(3.5)													40 50 60 70 80 90
						150.01~200.00														60 70 80 100 120
9					4.5	50.00~100.00	3.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	40 50 60 70
						100.01~150.00	(4.0)													60 70 80 90 100
						150.01~200.00														90 100 120
10					5	50.00~100.00	4.0	0.6	0.7	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	40 50 60 70
						100.01~150.00														40 50 60 70 80 90
						150.01~200.00														60 70 80 100
11					5.5	50.00~100.00	4.5	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50 60 70
						100.01~150.00	(5.0)													60 70 80 100
						150.01~200.00														100 120
12					6	50.00~100.00	5.0	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50 60 70
						100.01~150.00														40 50 60 70 80
						150.01~200.00														60 70 80 90 100
13					6.5	50.00~100.00	6.0	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50 60
						100.01~150.00														70 80
						150.01~200.00														100
14					7	50.00~100.00	6.0	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50 60
						100.01~150.00														60 70 80 100
						150.01~200.00														100 120 160
15					7.5	50.00~100.00	7.0	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50 60
						100.01~150.00														40 50 60
						150.01~200.00														60 70 80 100
16					8	50.00~100.00	7.0	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50
						100.01~150.00														80 100
						150.01~200.00														100 120 130 160
17					8.5	50.00~100.00	8.0	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	40 50
						100.01~150.00														40 50 60 80
						150.01~200.00														60 70 80 100
18					9	50.00~100.00	8.0	0.8	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	5.0	40 50 60
						100.01~150.00														40 50 60 80
						150.01~200.00														60 70 80 100
19					10	50.00~100.00	8.0	0.8	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	5.0	40 50 60
						100.01~150.00														40 50 60 80
						150.01~200.00														60 70 80 100
20					10.5	50.00~100.00	10.0	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	40 50
						100.01~150.00														80 100
						150.01~200.00														100 120 150 200
21					11	50.00~100.00	10.0	1.2	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	40 60
						100.01~150.00														80 100
						150.01~200.00														100 120 150

⚠ L(250.01~300.00) is standard dimension only for ERJL. ⊗ Selections in which both the P and W dimensions are enclosed in brackets () cannot be made. ⊕ L-N ≥ 10

P Price **Quotation**

Rectangular Ejector Pins

High Speed Steel SKH51 equivalent

P · W_{-0.01}
L dimension designation