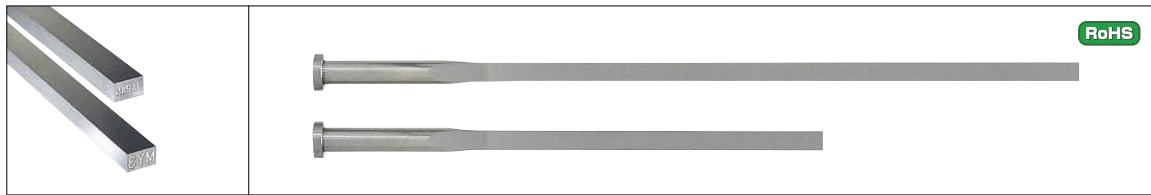


High Speed Steel  
SKH51 equivalent

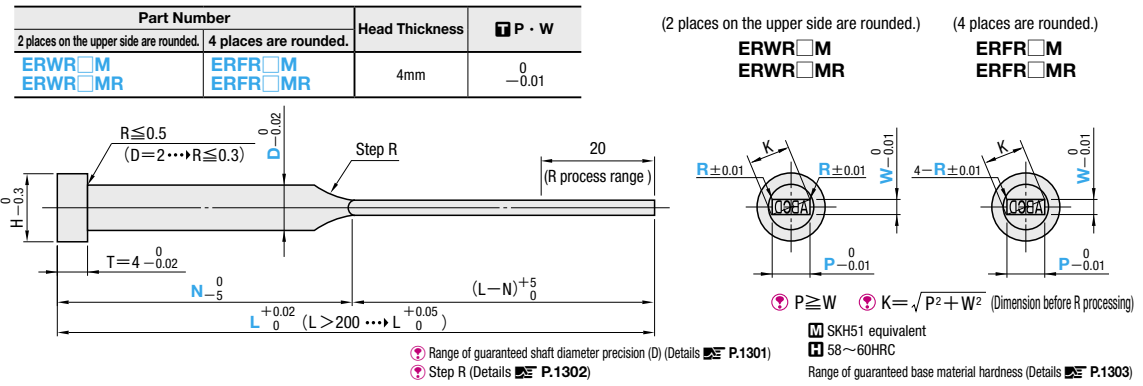
With Engraving  
P · W<sub>-0.01</sub>  
Free designation

# R-CHAMFERED RECTANGULAR EJECTOR PINS WITH ENGRAVING

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



RoHS



1M · 1MR (1 character)	2M · 2MR (2 characters)	3M (3 characters)	4M (4 characters)	5M (5 characters)
0.80 ≤ P ≤ 10.30	2.30 ≤ P ≤ 10.30	3.10 ≤ P ≤ 10.30	3.90 ≤ P ≤ 10.30	5.00 ≤ P ≤ 10.30



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.	
	KGA	KGA=1° increments 0 < KGA < 360	
	KGD	KGD=1° increments 0 < KGD < 360	
	HC	HC(HCC)=0.1mm increments HC → Head diameter tolerance HCC → Head diameter tolerance <sub>-0.02</sub> D+1 ≤ HC < H, DH ≤ 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	

Quotation

Quotation

H	Part Number		0.01mm increments			R	Kmax.	N 1mm increments	Nmin.	Characters for engraving (Round Gothic type)
	Type	Character	D	L	P					
4	ERWR (2 places on the upper side are rounded.) ERFR (4 places are rounded.)	1M 2M 3M 4M 5M 6 6.5 1MR 2MR	2	50.00~ 250.00	0.80~1.80	0.30~ 0.40~ 0.50~	0.1 0.15 0.2 0.3 R ≤ W/2 - 0.05	1.9	20 ≤ (L-N) ≤ 200	23
5			2.5		0.80~2.30			2.4		26
6			3		1.00~2.80			2.9		27
7			3.5		1.00~3.30			3.4		29
8			4		1.00~3.80			3.9		
9			4.5		1.20~4.30			4.4		31
10			5		1.50~4.80			4.9		
11			5.5		1.80~5.30			5.4		33
12			6		2.00~5.80			5.9		
13			6.5		2.00~6.30			6.4		40
14	7	2.30~6.80	6.9							
15	8	2.30~7.80	7.9							
		10	3.00~9.80	9.9						

- Use / for indicating slash, # for minus, % for space, @ for centered dot, and . for period.
- 1MR and 2MR are sequential numbering designation. In the case of bulk order of two or more ejector pins with the same size, the sequential numbering engraving is performed.
- In case of 1MR, "0" is next to "9" while "A" is next to "Z".
- In case of 2MR, the ones digit is sequential, and if next to "9" or "Z", it starts from "0" or "A" while the tens digit is increased by one.
- In case of 1MR and 2MR, other engraving characters cannot be used for designation.
- When placing the order for 5 pieces of ERWR1MR2-150-P1.5-W0.5-R0.1-N70-1, characters for engraving "1 2 3 4 5"
- When placing the order for 3 pieces of ERWR1MR3-150-P2.5-W1.2-R0.1-N70-Z, characters for engraving "Z A B"
- When placing the order for 4 pieces of ERWR2MR4-100-P3.0-W2.0-R0.1-N50-01, characters for engraving "01 02 03 04"
- When placing the order for 4 pieces of ERWR2MR4-100-P3.5-W2.2-R0.1-N50-A8, characters for engraving "A8 A9 B0 B1"
- When placing the order for 6 pieces of ERWR2MR6-150-P5.0-W2.6-R0.1-N70-1X, characters for engraving "1X 1Y 1Z 2A 2B 2C"



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 ≤ 0.03 (Trimming R) The tip corners have been slightly trimmed to measure the P · W dimensions. (Details P.1313)

### Relationship between Dimension (P) · (W) and Character Size (Q) · (Z)

P (Horizontal size)	W (Vertical size)	Q (Character Height)	Z (Character Width)				
			1M · 1MR	2M · 2MR	3M	4M	5M
P ≥ Z + 0.2	0.30 ~ 0.39	0.2	0.1	0.6	0.9	1.2	1.5
	0.40 ~ 0.49	0.25	0.15	0.65	1	1.3	1.65
	0.50 ~ 0.59	0.35	0.18	0.76	1.14	1.52	1.9
	0.60 ~ 0.79	0.4	0.2	0.8	1.2	1.6	2
	0.80 ~ 0.99	0.6	0.3	1	1.5	2	2.5
	1.00 ~ 1.29	0.8	0.4	1.2	1.8	2.4	3.0
	1.30 ~ 1.49	1.0	0.5	1.4	2.1	2.9	3.7
	1.50 ~ 1.99	1.2	0.6	1.6	2.4	3.3	4.2
	2.00 ~ 2.49	1.5	0.8	2	3.2	4.4	5.6
	2.50 ~ 3.49	2.0	1.0	2.6	4.2	5.8	7
3.50 ~ 4.49	3.0	1.5	3.9	5.9	8	9.7	
4.50 ~ 5.49	4.0	2.0	5.2	7.5	10.2	12.4	
5.50 ~ 10.30	5.0	2.5	6.2	9.0	12.2	14.9	

Ejector pins	Finished products
Reversed reading (Concave character)	Normal character (Convex character)
Details of engraving	
Width of engraving (a)	0.1 × Q ~ 0.2 × Q
Angle of engraving (b°)	35° ± 2°
Depth of engraving (e)	When P ≤ 0.99, 0.03 ± 0.01 When P ≥ 1.00, 0.05 ± 0.02