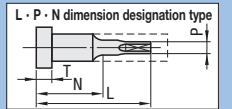


# STEPPED EJECTOR PINS WITH GAS VENT

— CUTTING FACETS/L · P · N DIMENSION DESIGNATION TYPE —



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

RoHS

Single flat cutting

GW-EHSF  
GW-EHSJF  
GW-EHSFE  
GW-EHSJFE

Four flats cutting

GWS-EHSF  
GWS-EHSJF  
GWS-EHSFE  
GWS-EHSJFE

Part Number		Head Thickness	T P
Single flat cutting	Four flats cutting	4mm(T4)	-0.005
GW-EHSF	GWS-EHSF		
GW-EHSJF	GWS-EHSJF	6 · 8mm(JIS)	
GW-EHSFE	GWS-EHSFE	4mm(T4)	-0.01 -0.02
GW-EHSJFE	GWS-EHSJFE	6 · 8mm(JIS)	

ⓘ Limit of E ± 0.01 is within 10mm from the tip.

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)

4mm head		JIS head		Part Number		0.01mm increments			1mm increments	0.01mm increments	
H	T	H	T	4mm head	JIS head	D	L	P	N	E	
3	4			Single flat cutting GW-EHSF (P <sup>-0.005</sup> )	-	1	50.00 ~ 150.00	0.60 ~ 0.90	N ≥ 15 and 30 ≤ (L-N) ≤ 150		
						1.1		0.60 ~ 1.00			
						1.2		0.60 ~ 1.10			
						1.3	50.00 ~ 200.00	0.60 ~ 1.20			
						1.4		0.60 ~ 1.30			
4	4	8	6	Four flats cutting (D ≥ 2 and P ≥ 1.50) GWS-EHSF (P <sup>-0.005</sup> ) GW-EHSJFE (P <sup>-0.01</sup> ) GWS-EHSFE (P <sup>-0.02</sup> )	-	1.5		0.60 ~ 1.40	• N ≥ 15 (T4) • N ≥ 30 (JIS) and 30 ≤ (L-N) ≤ 200		
						1.6		0.80 ~ 1.50			
						1.7	50.00 ~ 250.00	0.80 ~ 1.60			
						1.8		0.80 ~ 1.70			
						1.9		0.80 ~ 1.80			
						2		0.80 ~ 1.90			
						2.5		0.80 ~ 2.40			
						3		1.00 ~ 2.90			
						3.5	50.00 ~ 300.00	1.50 ~ 3.40			
						4	(60.00 ~ 300.00)	1.50 ~ 3.90			
						4.5		2.50 ~ 4.40			
						5		3.00 ~ 4.90			
5.5		3.50 ~ 5.40									
6		4.00 ~ 5.90									
6.5	50.00 ~ 350.00	4.50 ~ 6.40									
7	(60.00 ~ 300.00)	4.90 ~ 6.90									
8		5.90 ~ 7.90									
9		6.90 ~ 8.90									
10		7.90 ~ 9.90									
11		8.90 ~ 11.90									
14											
15											
17											

ⓘ The figures in parentheses ( ) for L dimensions are applicable for JIS head only.  
ⓘ For head thickness JIS less than D4 is T=4, please place the order for head thickness 4mm type.

Order Part Number - L - P - N - E  
GW-EHSJF 5 - 300.00 - P3.00 - N150 - E0.02

Days to Ship Quotation

Alterations Part Number - L - P - N - E - (KC · WKC...etc.)  
GW-EHSJFE 7 - 180.00 - P6.60 - N50 - E0.02 - SKC4.0

Quotation

Alteration details P.127

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code												
	VKC	Single flat cutting (precision) D/2 ≤ VKC < H/2			HC	HC=0.1mm increments D+1 ≤ HC < H, D ≥ 1.5													
	VWC	Two parallel flats cutting (precision) D/2 ≤ VWC < H/2	About Designation Unit for Key Flat Cutting		HCC	HCC=0.1mm increments D+1 ≤ HCC < H-0.3, D ≥ 1.5													
	KC	Single flat cutting D/2 ≤ KC < H/2	(1) To align the key flat with the shaft diameter [Unit of designation] 0.05mm increments possible		TC	TC=0.1mm increments T/2 ≤ TC < T, D ≥ 1.5 (Dimensions L and N remain unchanged.) T - TC ≤ Lmax. - L													
	WKC	Two flats cutting D/2 ≤ WKC < H/2			NC	Dowel hole boring Available when H ≥ 4 Combination with other than NHC · NHN not available.	<table border="1" style="font-size: 8px;"><tr><td>T</td><td>d</td><td>ℓ</td></tr><tr><td>4</td><td>2</td><td>3</td></tr><tr><td>6</td><td>3</td><td>5</td></tr><tr><td>8</td><td>3</td><td>5</td></tr></table>	T	d	ℓ	4	2	3	6	3	5	8	3	5
T	d	ℓ																	
4	2	3																	
6	3	5																	
8	3	5																	
	KAC KBC	Varied width parallel flats cutting D/2 ≤ KAC < H/2 KBC=0.1mm increments only KAC < KBC < H/2	[Unit of designation] 0.1mm		NCW	Dowel hole boring + Spring pin driving Available when H ≥ 4 Combination with other than NHC · NHN not available.	<table border="1" style="font-size: 8px;"><tr><td>T</td><td>d</td><td>ℓ<sub>1</sub></td></tr><tr><td>4</td><td>2</td><td>3</td></tr><tr><td>6</td><td>3</td><td>5</td></tr><tr><td>8</td><td>3</td><td>5</td></tr></table>	T	d	ℓ <sub>1</sub>	4	2	3	6	3	5	8	3	5
T	d	ℓ <sub>1</sub>																	
4	2	3																	
6	3	5																	
8	3	5																	
	RKC	Two flats (right angled) cutting D/2 ≤ RKC < H/2	(2) To designate arbitrary key flat dimensions		NHC	Numbering on the head How to order P.128 Combination with SKC not available.													
	DKC	Three flats cutting D/2 ≤ DKC < H/2	ⓘ Flat cutting position is set at 90° of cutting facet in counterclockwise direction.		NHN	Automatic sequential numbering on the head How to order P.128 Combination with SKC not available.													
	SKC	Four flats cutting D/2 ≤ SKC < H/2			MC	Head tapping Available when D ≥ 8, H ≥ 13, T=8 Combination with any other alteration not available.	<table border="1" style="font-size: 8px;"><tr><td>D</td><td>M</td></tr><tr><td>8~9</td><td>M4</td></tr><tr><td>10</td><td>M5</td></tr><tr><td>12</td><td>M6</td></tr></table>	D	M	8~9	M4	10	M5	12	M6				
D	M																		
8~9	M4																		
10	M5																		
12	M6																		
	KGC	Two flats (angled) cutting D/2 ≤ KGC < H/2 AG=1° increments 0 < AG < 360																	
	KTC	Three flats cutting at 120° D/2 ≤ KTC < H/2																	

P Price Quotation

ⓘ About flat cutting position  
Flat cutting position is set at 90° of cutting facet in counterclockwise direction.

Ex.: KC  
Single flat cutting    Four flats cutting

