

BENDING AND CHAMFERING PUNCHES & DIES

— CONFIGURABLE SIZE TYPE —

Type (Select the tip shape from the figure below.)

BPSM (Tapped)

BPSF (Single flange)

BPSK (With key groove)

BPSW (Double flanges)

RoHS

Equivalent to SKD11
60~63HRC

Details of key groove Details of flange

Tip shape

2A

F=L

2B

F=L-Y
Dimension T has been changed to dimension Y.

3B

4B

2C

F=L-S

3C

4C

5C

6C

2D

3D

4D

5D

2E

3E

4E

Increment
 C·J·K·N·Q·S·U·Y → 0.1mm increments
 B·E → 0.1mm increments
 A·G → 0.5" increments

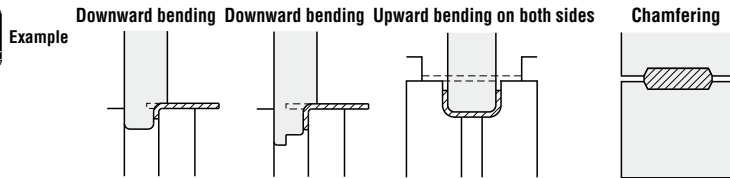
Machining limit
 J·K·Q=0 or J·K·Q≥0.2
 N·U≥0.2
 1≤B≤25
 Y≤1
 U≤C

Key groove position change (Free of charge)
 BPSK, KK0, KK90, KK180, KK270

Flange position change (Free of charge)
 BPSF, F0, F90, F180, F270
 BPSW, WF0, WF90

Shape 5C·6C

P-C	Smax.
2	5
2.00~3.99	5
4.00~	10



Catalog No.	Shape	0.1mm increments L	W	P							0.1mm increments T	F min.	U
				5.01 6.00	6.01 8.00	8.01 10.00	10.01 15.00	15.01 20.00	20.01 25.00	25.01 30.00			
Tapped	BPSM	20.0~100.0	5.01~8.00	5.01~6.00	6.01~8.00	8.01~10.00	10.01~15.00	15.01~20.00	20.01~25.00	25.01~30.00	T≥20 (BPSK only)	15	1.0
				6.01~8.00	8.01~10.00	10.01~15.00	15.01~20.00	20.01~25.00	25.01~30.00	20		1.5	
With key groove	BPSK	Tapped W5.01~8.00 →L20.0~ W8.01~10.00 →L24.0~ W10.01~30.00 →L28.0~	5.01~8.00	8.01~10.00	10.01~15.00	15.01~20.00	20.01~25.00	25.01~30.00					
Single flange	BPSF			2C 3C 4C 5C 6C									
Double flanges	BPSW	2E 3E 4E	5.01~8.00	10.01~15.00	15.01~20.00	20.01~25.00	25.01~30.00						
				15.01~20.00	20.01~25.00	25.01~30.00							

Be aware that for tapped BPHM, Lmin. varies depending on W dimension. However if W>P, P dimension is used.
 Relationship between symbols in table and tap specifications M×ℓ
 If BPHK with no key groove is required, specify dimension T that is the same value as full length L.T=L
 ○: M4×8 □: M6×12
 △: M5×10 ●: M8×16

Order

Tapped **Catalog No.** — L — **P·W·B·C·E·J·K·N·Q·S·Y·U·A·G**
 BPSM 2B — 60.5 — P6.78—W16.00—E2.0—J1.50—Y0.5

With key groove **Catalog No.** — L — T — **P·W·B·C·E·J·K·N·Q·S·Y·U·A·G** — KK
 BPSK 2B — 60.5 — T23.5 — P6.08—W7.25—E2.0—J1.50—Y0.5 — KK0

Flanged type **Catalog No.** — L — **P·W·B·C·E·J·K·N·Q·S·Y·U·A·G** — F·WF
 BPSF 2B — 60.5 — P6.01—W5.01—E2.0—J1.50—Y0.5 — F0
 BPSW 3D — 72.3 — P15.50—W12.50—C6.00—J0.50—K0.50—N1.30—Q0.50—S19.27 — WF90

Days to Ship **Quotation**

Alterations **Catalog No.** — L — **P·W·B·C·E·J·K·N·Q·S·Y·U·A·G** — F·WF — (HC·TC, etc.)
 BPSF 2A — 60.5 — P8.01—W6.01—J3.00—K2.00 — F0 — HC1.0—TKC

Alteration	Code	Spec.	TCode
	HC	Flange width change 0≤HC<1.5 0.1mm increments	Quotation
	TC	Flange thickness change 2≤TC<5 0.1mm increments	
	TKC	Key groove position tolerance change T _{-0.05} → T _{-0.02}	
	TKC	Flange thickness tolerance change 5 ^{+0.02} / ₀ → 5 ^{+0.02} / ₀	

Alteration	Code	Spec.	TCode
	LKC	Full length tolerance change L ₀ ^{+0.02} / ₀ → L ₀ ^{+0.02} / ₀	Quotation
	MC	Tap diameter change W Changes 5.01~6.00 M4→M3 6.01~8.00 M5→M4 8.01~10.00 M6→M5 10.01~13.00 M8→M6	
	RTC	Key groove position tolerance T change T _{-0.05} → T _{-0.02}	
		Cannot be used for 6C, 2D, 3D, 4D, 2E, 3E, and 4E.	

Price **Quotation**

PUNCHES & DIES FOR FORMING