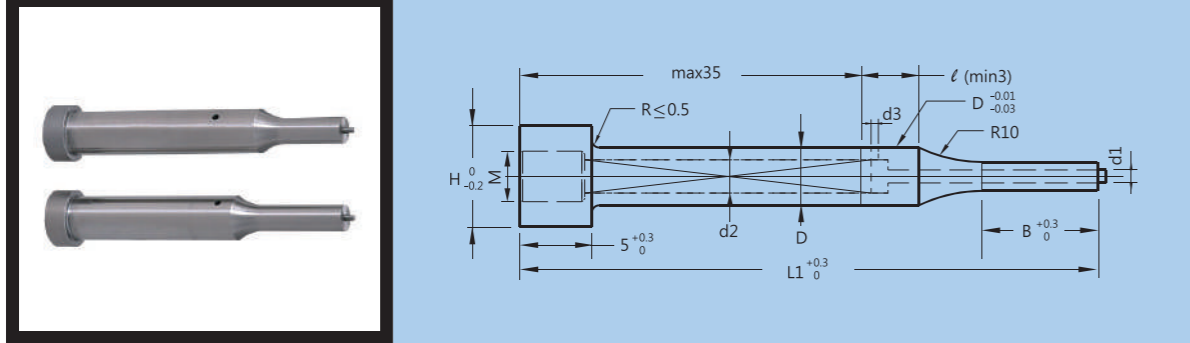
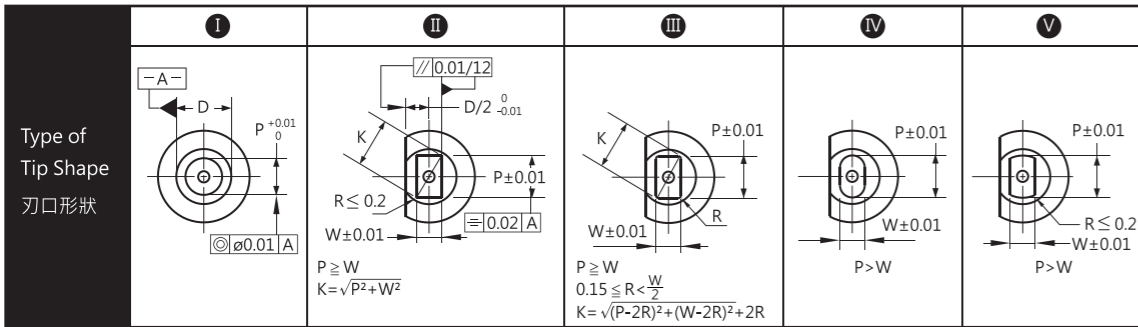


HTP009



Type 品名	Material 材質	Hardness 硬度	Surface Treatment 表面處理	Delivery 交貨日
HTP009-A	D4~6 SKH51	61~64HRC Surface表面1000~1100HV	WPC	8 Working Days 8個工作日
	D8~25 Equivalent to SKD11 SKD11同級	60~63HRC Surface表面1000~1100HV		
HTP009-B	Powdered Highspeed Steel 粉末高速鋼	64~67HRC Surface表面1000~1100HV	HW COAT	
HTP009-C		64~67HRC Surface表面3000HV		

D Tolerance 柄部直徑公差	
a	m5
b	+0.005 0



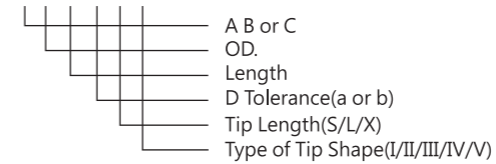
Type 品名	Tip Length 刃口長度	D	L1 (u: 10mm)	I (u:0.01mm) min. P max.	II/III/IV/V (u:0.01mm) P·Kmax.	II/III/IV/V (u:0.01mm) P·Wmin.	III (u:0.01mm) R	B	H	d1	d2	d3	M
HTP009-A HTP009-B HTP009-C	S	4	40~80	1.00~3.99	3.97	1.00	0.15 ≤ R < W/2	8	7	0.4	2.1	1.0	2.5
		5	40~80	2.00~4.99	4.97	2.00		8	8	0.7	1.0	3	
		6	40~80	2.00~5.99	5.97	2.00		8	9	0.7	2.6	4	
		8	(40)~100	3.00~7.99	7.97	3.00		13	11	1.1	3.4	1.5	5
		10	(40)~100	3.00~9.99	9.97	3.00		13	13	1.5	4.4	1.5	5
		13	(40)~100	6.00~12.99	12.97	6.00		13	16	1.8	4.4	1.5	5
	L	16	(40) · (50)~100	10.00~15.99	15.97	6.00		19	19	2.8	4.4	1.5	5
		20	(40) · (50)~100	13.00~19.99	19.97	6.00		19	23	2.8	4.4	1.5	5
		25	(40) · (50)~100	18.00~24.99	24.97	6.00		19	28	2.8	4.4	1.5	5
		4	50~80	1.00~3.99	3.97	2.00		13	7	0.4	2.1	1.0	2.5
		5	50~80	2.00~4.99	4.97	2.00		13	8	0.7	2.6	1.0	3
		6	50~80	2.00~5.99	5.97	2.00		13	9	0.7	2.6	1.0	3
		8	50~100	3.00~7.99	7.97	3.00		19	11	1.1	3.4	1.5	4
10	50~100	3.00~9.99	9.97	3.00	19	13	1.5	4.4	1.5	5			
13	50~100	6.00~12.99	12.97	6.00	19	16	1.8	4.4	1.5	5			

Type 品名	Tip Length 刃口長度	D	L1 (u: 10mm)	I (u:0.01mm) min. P max.	II/III/IV/V (u:0.01mm) P·Kmax.	II/III/IV/V (u:0.01mm) P·Wmin.	III (u:0.01mm) R	B	H	d1	d2	d3	M	
HTP009-A HTP009-B HTP009-C	L	16	60~100	10.00~15.99	15.97	6.00	0.15 ≤ R < W/2	25	19	2.8	4.4	1.5	5	
		20	60~100	13.00~19.99	19.97	6.00		25	23					
		25	60~100	18.00~24.99	24.97	6.00		25	28					
	X	5	60~80	2.00~4.99	4.97	3.50		25	8	0.7	2.1	1.0	2.5	
		6	60~80	2.00~5.99	5.97	3.50		25	9	0.7	2.6	1.0	3	
		8	70~100	3.00~7.99	7.97	5.00		30	11	1.1	3.4	1.5	4	
		Tip Length 刃口長度 X>L>S	10	70~100	3.00~9.99	9.97		6.00	30	13	1.5	4.4	1.5	5
			13	70~100	6.00~12.99	12.97		6.00	30	16	1.8			
			16	80~100	10.00~15.99	-		-	40	19	2.8			
	20	80~100	13.00~19.99	-	-	40		23	2.8					
	25	80~100	18.00~24.99	-	-	40		28	2.8					

\* I : P > D - 0.03 → ε = 0 If P > D - 0.03 for a round punch, D<sub>-0.03</sub><sup>-0.01</sup> (press-in lead) is not included. 圓沖頭 P > D - 0.03 時，不附 D<sub>-0.03</sub><sup>-0.01</sup> (導入部)  
 \* II/III/IV/V : P · K > D - 0.05 → ε = 0 If P · K > D - 0.05 for a shaped punch, D<sub>-0.03</sub><sup>-0.01</sup> (press-in lead) is not included. 變形沖頭 P · K > D - 0.05 時，不附 D<sub>-0.03</sub><sup>-0.01</sup> (導入部)  
 \* L1 (40) → B = 6 If full length is (40), tip length is 6mm in all cases. 全長為(40)時，刃口長度一律為6mm  
 \* L1 (50) → B = 13 If full length is (50), tip length is 13mm in all cases. 全長為(50)時，刃口長度一律為13mm

Order Ex. 訂購範例

HTP009-□-4-L1-□-□-□



材質及表面處理方式  
 外徑  
 長度  
 柄部直徑公差(a or b)  
 刃口長度(S/L/X)  
 刃口形狀(I/II/III/IV/V)

Alterations 追加加工名稱	Description 加工說明	Alterations 追加加工名稱	Description 加工說明
Alterations to Tip 刃口追加加工	PC WC: Tip dimension change 變更刃口尺寸 *請參考表5	HC: Head diameter change 變更頭緣直徑 *請參考表1	
	BC: Tip length change (shorter than standard) 變更刃口長度(比規格短) *請參考表12	TC: Head thickness change 變更頭緣厚度 *請參考表1	
	PRC: Rounding of tip side edge 刃口側端面R加工	TKM: Head thickness tolerance change 變更頭緣厚度公差	
	PCC: Chamfering to tip side edge 刃口側端面C倒角加工	TCC: Chamfering of head 頭緣部C面加工	
	PKC: Tip tolerance change 變更刃口公差	RC: Head thickness is machined to a tolerance of -0.04~0 relative to the retainer surface. 搭配沖頭固定座，在頭緣部做 -0.04~0加工	
	Alterations to Full Length 柄部追加加工	LC: Full length change 變更全長 *請參考表5	AC: The jector pin is removed to create an air path and the side vent hole is plugged from the inside by inserting a resin (ABS) ring. 作為空壓用，將頂出銷拔除，放入環狀樹脂(ABS)從內側將橫孔塞柱
LCT LMT: Changes to head thickness tolerance and full length are processed using a single code. 變更頭緣厚度公差與全長 *請參考表1		NC: The jector pin is removed. 拔除頂出銷	
LKC: Full length tolerance change 變更全長公差		NDC: No press-in lead 無導入部	
Alterations to Head 頭緣部追加加工	KC WKC KFC NKC: Addition key flats 止迴加工		

\*追加加工詳細說明請參考產品概要-追加加工說明