

Standard



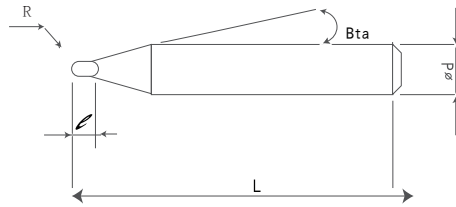
K-BM 鎢鋼超微小徑2刃球刀

Standard, 2 Flute Micro Diameter END MILLS

2 Flute 2刃

4 Flute 4刃

3&6 Flute 3&6刃



採用超微粒子合金
Super fine grain alloy is used for the carbide material.



高鋁鈦處理
TiAlN coating is used.



圓頭銑刀半徑公差(±0.01)
Ballend Radius Tolerance ±0.01



30° 圓角
Helix Angle is 30°



加工材料對照表(◎最佳○可)Applicable Work Material(◎ Most suitable ○ suitable)

被削材 Work Material										
碳素鋼	合金鋼	工具鋼	高溫合金鋼			鑄鐵	鋁合金	石墨	銅合金	塑膠
CARBON STEELS	ALLOY STEELS	PREHARDENED STEELS	HARDENED STEELS			CAST IRON STEELS	ALUMINIUM ALLOYS	GRAPHITE	COPPER ALLOYS	PLASTIC
S45C S55C	SK-SCM SUS	(30-45HRC) NAK	(~55HRC)	(~60HRC)	(60~65HRC)					
◎	◎	◎	◎	◎	○	○			○	

單位:Unit(mm)

型號 Model Number	圓頭半徑 Radius of Ball Nose	刃長 Length of Cut	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ	Bta	L	Od	
K-BM 2002-0030	RO.1	0.3	12°	50	4	1,650
K-BM 2003-0045	RO.15	0.45	12°	50	4	1,420
K-BM 2004-0060	RO.2	0.6	12°	50	4	1,250
K-BM 2005-0075	RO.25	0.75	12°	50	4	1,250
K-BM 2006-0090	RO.3	0.9	12°	50	4	1,250
K-BM 2007-0100	RO.35	1	12°	50	4	1,250
K-BM 2008-0120	RO.4	1.2	12°	50	4	1,250
K-BM 2009-0135	RO.45	1.35	12°	50	4	1,250
K-BM 2010-0150	RO.5	1.5	12°	50	4	920
K-BM 2010-0250		2.5				
K-BM 2012-0180	RO.6	1.8	12°	50	4	1,250
K-BM 2012-0250		2.5				

- Square 方型
- Ball 球型
- Corner Radius 角半徑
- Taper 錐型
- Other 特殊刀具

單位:Unit(mm)

型號 Model Number	圓頭半徑 Radius of Ball Nose	刃長 Length of Cut	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ	Bta	L	Od	
K-BM 2014-0200	R0.7	2	12°	50	4	1250
K-BM 2014-0300		3				
K-BM 2015-0200	R0.75	2	12°	50	4	1250
K-BM 2015-0400		4				
K-BM 2016-0220	R0.8	2.2	12°	50	4	1250
K-BM 2016-0400		4				
K-BM 2018-0260	R0.9	2.6	12°	50	4	920
K-BM 2018-0500		5				
K-BM 2020-0300	R1	3	12°	50	4	920
K-BM 2020-0600		6				
K-BM 2025-0375	R1.25	3.75	12°	50	4	920
K-BM 2025-0600		6				
K-BM 2030-0450	R1.5	4.5	12°	70	6	920
K-BM 2030-0800		8				
K-BM 2040-0600	R2	6	12°	50	6	920
K-BM 2040-0800		8				
K-BM 2050-0800	R2.5	8	12°	50	6	1000
K-BM 2050-1200		12				
K-BM 2060-1000	R3	10	12°	50	6	1000
K-BM 2060-1200		12				
K-BM 2080-1200	R4	12	12°	60	8	1650
K-BM 2080-1400		14				
K-BM 2100-1500	R5	15	—	75	10	2100
K-BM 2100-1800		18				
K-BM 2120-1800	R6	18	—	75	12	2800
K-BM 2120-2200		22				



Standard

2刃

2 Flute

4刃

4 Flute

3&6刃

3&6 Flute

Square

方型

Ball

球型

Corner Radius

角半徑

Taper

錐型

Other

特殊
刀具

K-BM 鎢鋼2刃長柄球刀 2 Flutes Ball Nose Long Shank End Mills

型號 Model Number	圓頭半徑 Radius of Ball Nose	刃長 Length of Cut	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ	Bta	L	ød	
K-BM2030-0450	R1.5	4.5	12°	75	4/6	1200
K-BM2030-0800		8				
K-BM2040-0600	R2	6	12°	75	4/6	1200
K-BM2040-0800		8				
K-BM2050-0800	R2.5	8	12°	75	6	1200
K-BM2050-1200		12				
K-BM2060-1000	R3	10	—	75	6	1200
K-BM2060-1200		12				
K-BM2080-1200	R4	12	—	100	8	1900
K-BM2080-1400		14				
K-BM2100-1500	R5	15	—	100	10	2400
K-BM2100-1800		18				
K-BM2120-1800	R6	18	—	100	12	3300
K-BM2120-2200		22				

Standard



2 Flute

2刃

4 Flute

4刃

3&6 Flute

3&6刃

K-BM 切削條件說明表 List of milling for K-BM

加工材料 WORK MATERIAL			碳素鋼 CARBON STEELS S45C.S500 (-225HB)			合金鋼 ALLOY STEELS SK.SCM.SUS (225-325HB)			工具鋼 PRE-HARDENED STEEL SHARDENED STEELS NAK.SKD (30-45HRC)			高溫合金鋼/熱處理鋼 HARDENED STEELS SKD11.61.SKT (45-55HRC)		
型號 Model Number	圓頭半徑 Radius of Ball Nose (m/m)	外徑 Outside Diameter (m/m)	轉數 Speed (m/in-1)	切削速度 Velocity (mim/in)	進給量 Feed (mm/min)	轉數 Speed (m/in-1)	切削速度 Velocity (mim/in)	進給量 Feed (mm/min)	轉數 Speed (m/in-1)	切削速度 Velocity (mim/in)	進給量 Feed (mm/min)	轉數 Speed (m/in-1)	切削速度 Velocity (mim/in)	進給量 Feed (mm/min)
2002	R0.1	0.2	30,000		420	30,000		360	30,000		240	25,000		160
2003	R0.15	0.3	30,000		540	30,000		475	30,000		380	25,000		250
2004	R0.2	0.4	30,000	(35-55)	690	30,000	(35-55)	640	30,000	(35-55)	530	25,000	(30-45)	420
2005	R0.25	0.5	30,000		810	30,000		750	30,000		620	25,000		480
2006	R0.3	0.6	30,000		910	30,000		840	30,000		700	25,000		540
2007	R0.35	0.7	30,000		1,020	30,000		940	30,000		780	25,000		600
2008	R0.4	0.8	30,000	(65-95)	1,140	30,000	(65-95)	1,050	27,800	(65)	810	23,000	(55)	615
2009	R0.45	0.9	30,000		1,260	30,000		1,170	24,700		800	20,500		615
2010	R0.5	1	30,000		1,410	30,000		1,300	22,200		800	18,500		600
2012	R0.6	1.2	30,000		1,670	26,000		1,330	18,500		790	15,400		550
2014	R0.7	1.4	27,000		1,760	22,300		1,340	15,800		790	13,200		540
2015	R0.75	1.5	25,000		1,750	21,000		1,360	14,500		780	12,300		530
2016	R0.8	1.6	23,400		1,740	19,700		1,360	13,600		780	11,600		530
2018	R0.9	1.8	21,000		1,720	17,400		1,320	12,200		770	10,400		520
2020	R1	2	18,800		1,690	15,700		1,310	11,100		770	9,300		520
2025	R1.25	2.5	15,000	(110-120)	1,620	12,600	(100)	1,260	8,800	(70)	740	7,500	(60)	500
2030	R1.5	3	12,000		1,560	10,600		1,230	7,400		720	6,300		470
2040	R2	4	9,600		1,250	7,950		950	5,500		550	4,700		390
2050	R2.5	5	7,500		960	6,360		740	4,400		430	3,700		310
2060	R3	6	6,400		830	5,300		630	3,740		370	3,170		260
2080	R4	8	4,800		630	3,900		460	2,800		270	2,370		210
2100	R5	10	3,800		480	3,200		360	2,230		220	1,870		160
2120	R6	12	3,200		400	2,660		300	1,870		180	1,530		140

Square

方型

Ball

球型

Corner Radius

角半徑

Taper

錐型

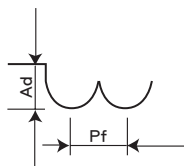
Other

特殊
刀具

高速加工條件 For High-Speed Milling

加工材料 WORK MATERIAL			碳素鋼 CARBON STEELS S45C.S500 (-225HB)			合金鋼 ALLOY STEELS SK.SCM.SUS (225-325HB)			工具鋼 PREHARDENED STEEL SHARDENED STEELS NAK.SKD (30-45HRC)			高溫合金鋼/熱處理鋼 HARDENENED STEELS SKD11.61.SKT (45-55HRC)		
型號 Model Number	圓頭半徑 Radius of Ball Nose (m/m)	外徑 Outside Diameter (m/m)	轉數 Speed (m/in-1)	刀削速度 Velocity (mim/in)	進給量 Feed (mm/min)	轉數 Speed (m/in-1)	刀削速度 Velocity (mim/in)	進給量 Feed (mm/min)	轉數 Speed (m/in-1)	刀削速度 Velocity (mim/in)	進給量 Feed (mm/min)	轉數 Speed (m/in-1)	刀削速度 Velocity (mim/in)	進給量 Feed (mm/min)
2020	R1	2	30,000	(190-195)	2,700	24,000	(150)	2,000	23,000	(145)	1,600	16,000	(100)	900
2025	R1.25	2.5	25,000		2,700	19,000		1,900	18,500		1,550	12,800		850
2030	R1.5	3	20,800	(230)	2,600	16,000	(195)	1,850	15,400	(170)	1,500	10,700	(135)	800
2040	R2	4	18,500		2,400	15,500		1,850	13,600		1,350	10,800		900
2050	R2.5	5	16,000	(250)	2,050	15,000	(235)	1,750	10,800	(170)	1,050	9,900	(155)	800
2060	R3	6	15,000	(300)	2,500	13,000	(250)	1,600	9,600	(180)	950	9,000	(170)	750
2080	R4	8	11,500		1,500	10,000		1,150	7,200		700	6,800		600
2100	R5	10	9,600		1,200	8,000		900	5,700		550	5,400		450
2120	R6	12	8,000		1,100	6,700		750	4,800		450	4,500		400
切削量 (mm) Milling Amount		粗加工 (For Roughing)			Ad ≤ 0.05D Pf ≤ 0.5D			精加工 (For Finishing)			Ad ≤ 0.04D Pf ≤ 0.4D			
					Ad ≤ 0.04D(MAX0.1) Pf ≤ F/N									

Ad:軸方向切削量 (mm)
D:外徑
N:回轉數
F:進刀速度



*以外徑為基準量 *Based on The Outside Diameter



Standard

2刃

2 Flute

4刃

4 Flute

3&6刃

3&6 Flute



Standard



2 Flute

2刃

4 Flute

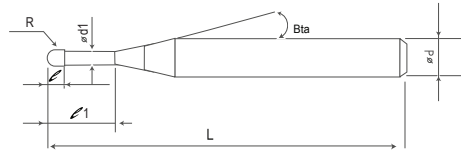
4刃

3&6 Flute

3&6刃

K-BMT 鎢鋼深溝2刃球刀

2 Flute Long Neck END MILLS



採用超微粒子合金
Super fine grain alloy is used for the carbide material.



高鋁鈦處理

TIALN coating is used.



圓頭銑刀半徑公差(±0.01)
Ballend Radius Tolerance ±0.01



30° 圓角
Helix Angle is 30°



加工材料對照表(◎最佳 ○可)Applicable Work Material(◎ Most suitable ○ suitable)

被削材 Work Material										
碳素鋼 CARBON STEELS S45C S55C	合金鋼 ALLOY STEELS SK-SCM SUS	工具鋼 PREHARDENED STEELS (30-45HRC)NAK	高溫合金鋼 HARDENED STEELS			鑄鐵 CASTIRON STEELS	鋁合金 ALUMINIUM ALLOYS	石墨 GRAPHITE	銅合金 COPPER ALLOYS	塑膠 PLASTIC
			(~55HRC)	(~60HRC)	(60-65HRC)					
○	○	○	○			○			○	

單位:Unit(mm)

型號 Model Number	圓頭半徑 Radius of Ball Nose	有效長 Effective Length	刃長 Length of Cut	首徑 Neck Diameter	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ1	ℓ	ød1	Bta	L	ød	
K-BMT 2002-0.5	R0.1	0.5	0.2	0.16	12°	45	4	2,250
K-BMT 2002-1		1						2,250
K-BMT 2002-1.5		1.5						2,250
K-BMT 2003-1	R0.15	1	0.3	0.26	12°	45	4	2,250
K-BMT 2003-2		2						2,250
K-BMT 2004-1	R0.2	1	0.4	0.36	12°	45	4	1,500
K-BMT 2004-2		2						1,600
K-BMT 2004-3		3						1,850
K-BMT 2005-2	R0.25	2	0.5	0.46	12°	45	4	1,500
K-BMT 2005-4		4						1,500
K-BMT 2005-6		6						1,600
K-BMT 2005-8		8						1,600
K-BMT 2005-10		10						1,650
		50						



單位:Unit(mm)

型號 Model Number	圓頭半徑 Radius of Ball Nose	有效長 Effective Length	刃長 Length of Cut	首徑 Neck Diameter	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ1	ℓ	ød1	Bta	L	ød	
K-BMT 2006-2	R0.3	2	1	0.56	12°	45	4	1350
K-BMT 2006-4		4						1350
K-BMT 2006-6		6						1350
K-BMT 2006-8		8						1600
K-BMT 2008-2	R0.4	2	1.1	0.76	12°	45	4	1350
K-BMT 2008-4		4						1350
K-BMT 2008-6		6						1350
K-BMT 2008-8		8						1350
K-BMT 2008-10		10				50	1600	
K-BMT 2010-3	R0.5	3	1.2	0.93	12°	45	4	1200
K-BMT 2010-4		4						1200
K-BMT 2010-6		6						1200
K-BMT 2010-8		8						1200
K-BMT 2010-10		10						1200
K-BMT 2010-12		12				1200		
K-BMT 2010-14		14				50	1200	
K-BMT 2010-16		16				55	1350	
K-BMT 2010-20		20				55	1600	
K-BMT 2012-8		R0.6				8	1.3	1.13
K-BMT 2012-12	12		1350					
K-BMT 2014-8	R0.7	8	1.4	1.33	12°	45	4	1350
K-BMT 2014-12		12				50		1350
K-BMT 2014-16		16				50		1350
K-BMT 2015-6	R0.75	6	1.45	1.43	12°	45	14	1200
K-BMT 2015-8		8						1200
K-BMT 2015-10		10						1200
K-BMT 2015-12		12						1200
K-BMT 2015-16		16				50	1350	
K-BMT 2015-20		20				55	1350	
K-BMT 2016-8	R0.8	8	1.5	1.5	12°	45	4	1350
K-BMT 2016-12		12				50		1350
K-BMT 2016-16		16				55		1350
K-BMT 2016-20		20				55		1350
K-BMT 2018-8	R0.9	8	1.6	1.7	12°	45	4	1350
K-BMT 2018-12		12				50		1350
K-BMT 2018-16		16				55		1350
K-BMT 2018-20		20				55		1350



Standard

2刃

2 Flute

4刃

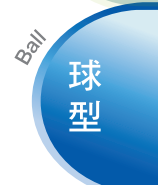
4 Flute

3&6刃

3&6 Flute



方型



球型



角半徑







錐型



特殊
刀具

單位:Unit(mm)

- Standard 
- 2 Flute  2刃
- 4 Flute  4刃
- 3&6 Flute  3&6刃

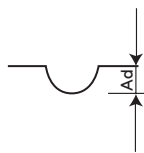
- Square  方型
- Ball  球型
- Corner Radius  角半徑
- Taper  錐型
- Other  特殊刀具

型號 Model Number	圓頭半徑 Radius of Ball Nose	有效長 Effective Length	刃長 Length of Cut	首徑 Neck Diameter	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ1	ℓ	ød1	Bta	L	ød	
K-BMT 2020-4	R1	4	1.7	1.9	12°	45	4	1,200
K-BMT 2020-6		6						1,200
K-BMT 2020-8		8						1200
K-BMT 2020-10		10						1200
K-BMT 2020-12		12						1200
K-BMT 2020-14		14						1200
K-BMT 2020-16		16				1200		
K-BMT 2020-20		20				1350		
K-BMT 2020-22		22				1350		
K-BMT 2020-25		25				1350		
K-BMT 2020-30		30				1600		
K-BMT 2030-8		R1.5				8	2.5	2.9
K-BMT 2030-10	10		1350					
K-BMT 2030-12	12		1350					
K-BMT 2030-16	16		1350					
K-BMT 2030-20	20		1600					
K-BMT 2030-25	25		1600					
K-BMT 2030-30	30		1600					
K-BMT 2030-35	35		1800					
K-BMT 2040-10	R2	10	3	3.8	12°	70	6	1350
K-BMT 2040-12		12						1350
K-BMT 2040-16		16						1350
K-BMT 2040-20		20						1600
K-BMT 2040-25		25						1600
K-BMT 2040-30		30				1600		
K-BMT 2040-35		35				1900		
K-BMT 2040-40		40				1900		
K-BMT 2040-45		45				2250		
K-BMT 2040-50		50				2250		
K-BMT 2050-20	R2.5	20	3.5	4.8	12°	70	6	1600
K-BMT 2050-25		25						1600
K-BMT 2050-30		30				1600		
K-BMT 2050-35		35				1900		
K-BMT 2060-30	R3	30	6	5.8	12°	80	6	1600
K-BMT 2060-50		50						1900

K-RVMT 切削條件說明表 List of milling for K-RVMT

加工材料 WORK MATERIAL		碳素鋼 CARBON STEELS S45C.S50C (~255 HB)		合成鋼 ALLOY STEELS SK.SCM.SUS (225~325 HRC)		工具鋼 PREHARDENED STEELS HARDENED STEELS HARDENED STEELS NAK.SKD (30~45 HRC)		高溫合金鋼/熱處理鋼 HARDENED STEELS SKD11.61SKT (45~60 HRC)		
切削速度 Velocity		V=60m/min前後 Around V=60m/min		V=50m/min前後 Around V=50m/min		V=40m/min前後 Around V=40m/min		V=30m/min前後 Around V=30m/min		
型號 Model Number	外徑 Outside Diameter (m/m)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	Ad (mm)
2020	R0.1	32000	260	32000	260	32000	200	32000	130	0.003~0.005
2003	R0.15	32000	380	32000	380	32000	320	32000	260	0.003~0.006
2004	R0.2	32000	510	32000	510	32000	380	24000	240	0.005~0.01
2005	R0.25	32000	640	32000	640	26000	300	20000	240	0.003~0.01
2006	R0.3	32000	830	27000	700	21000	340	16000	260	0.006~0.03
2008	R0.4	24000	860	20000	720	16000	380	12000	290	0.006~0.05
2010	R0.5	19000	870	16000	740	13000	420	10000	320	0.005~0.08
2012	R0.6	16000	900	13000	730	11000	440	8000	320	0.04~0.09
2014	R0.7	14000	950	11000	750	9000	430	7000	340	0.05~0.1
2015	R0.75	13000	940	10500	760	8500	440	6500	340	0.06~0.12
2016	R0.8	12000	940	10000	780	8000	430	6000	330	0.08~0.13
2018	R0.9	11000	970	9000	790	7000	430	5500	340	0.09~0.15
2020	R1.0	10000	1000	8000	800	6000	420	5000	350	0.03~0.21
2030	R1.5	6600	730	5300	580	4000	310	3300	260	0.03~0.23
2040	R2.0	5000	660	4000	530	3000	260	2500	230	0.01~0.28
2050	R2.5	4000	560	3200	450	2400	220	2000	180	0.16~0.31
2060	R3.0	3000	470	2700	380	2000	190	1700	160	0.22~0.36

溝切削
切削量 (mm) Milling Amount for Slotting
Ad:軸方向切削量 (mm) Milling Amount



Standard

2刃

2 Flute

4刃

4 Flute

3&6刃

3&6 Flute



Square

方型



Ball

球型



Corner Radius

角半徑



Taper

錐型



Other

特殊
刀具

Standard



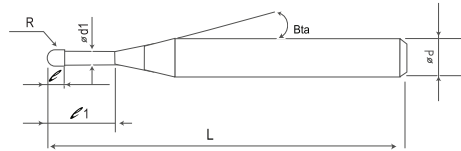
K-PBM 鎢鋼深溝2刃球刀(無塗層)

2 Flute Long Neck END MILLS (uncoating)

2 Flute 2刃

4 Flute 4刃

3&6 Flute 3&6刃



採用超微粒子合金
Super fine grain alloy is used for the carbide material.



圓頭銑刀半徑公差(±0.01)
Ballend Radius Tolerance ±0.01



30° 圓角
Helix Angle is 30°



加工材料對照表(◎最佳 ○可)Applicable Work Material(◎ Most suitable ○ suitable)

被削材 Work Material										
碳素鋼 CARBON STEELS S45C S55C	合金鋼 ALLOY STEELS SK-SCM SUS	工具鋼 PREHARDENED STEELS (30-45HRC)NAK	高溫合金鋼 HARDENED STEELS			鑄鐵 CASTIRON STEELS	鋁合金 ALUMINIUM ALLOYS	石墨 GRAPHITE	銅合金 COPPER ALLOYS	塑膠 PLASTIC
			(~55HRC)	(~60HRC)	(60~65HRC)					
○	○	○	○			○	○	○	○	○

單位:Unit(mm)

型號 Model Number	圓頭半徑 Radius of Ball Nose	有效長 Effective Length	刃長 Length of Cut	首徑 Neck Diameter	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ1	ℓ	ød1	Bta	L	ød	
K-PBM 2004-1	RO.2	1	0.4	0.36	12°	45	4	1,400
K-PBM 2004-2		2						1,500
K-PBM 2004-3		3						1,750
K-PBM 2005-2	RO.25	2	0.8	0.46	12°	45	4	1,400
K-PBM 2005-4		4						1,400
K-PBM 2005-6		6						1,500
K-PBM 2005-8		8						1,500
K-PBM 2005-10		10						1,650
K-PBM 2006-2	RO.3	2	1	0.56	12°	45	4	1,250
K-PBM 2006-4		4						1,250
K-PBM 2006-6		6						1,250
K-PBM 2006-8		8						1,500
K-PBM 2008-2	RO.4	2	11	0.76	12°	45	4	1,250
K-PBM 2008-4		4						1,250
K-PBM 2008-6		6						1,250
K-PBM 2008-8		8						1,250
K-PBM 2008-10		10						1,250

- Square 方型
- Ball 球型
- Corner Radius 角半徑
- Taper 錐型
- Other 特殊刀具

單位:Unit(mm)

型號 Model Number	圓頭半徑 Radius of Ball Nose	有效長 Effective Length	刃長 Length of Cut	首徑 Neck Diameter	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ1	ℓ	ød1	Bta	L	ød	
K-PBM 2010-3	R0.5	3	1.2	0.93	12°	45	4	1,100
K-PBM 2010-4		4						1,100
K-PBM 2010-6		6						1,100
K-PBM 2010-8		8						1,100
K-PBM 2010-10		10						1,100
K-PBM 2010-12		12						1,100
K-PBM 2010-14		14				50		1,100
K-PBM 2010-16		16				55		1,250
K-PBM 2010-20		20				55		1,500
K-PBM 2012-8		R0.6				8		1.3
K-PBM 2012-12	12		1,250					
K-PBM 2014-8	R0.7	8	1.4	1.33	12°	45	4	1,250
K-PBM 2014-12		12				50		1,250
K-PBM 2014-16		16				50		1,250
K-PBM 2015-6	R0.75	6	1.45	1.43	12°	45	4	1,100
K-PBM 2015-8		8						1,100
K-PBM 2015-10		10						1,100
K-PBM 2015-12		12						1,100
K-PBM 2015-16		16				50		1,250
K-PBM 2015-20		20				55		1,250
K-PBM 2016-8	R0.8	8	1.5	1.5	12°	45	4	1,250
K-PBM 2016-12		12				50		1,250
K-PBM 2016-16		16				55		1,250
K-PBM 2016-20		20				55		1,250
K-PBM 2018-8	R0.9	8	1.6	1.7	12°	45	4	1,250
K-PBM 2018-12		12				50		1,250
K-PBM 2018-16		16				55		1,250
K-PBM 2018-20		20				55		1,250
K-PBM 2020-4	R1	4	1.7	1.9	12°	45	4	1,100
K-PBM 2020-6		6						1,100
K-PBM 2020-8		8						1,100
K-PBM 2020-10		10						1,100
K-PBM 2020-12		12						1,100
K-PBM 2020-14		14						50
K-PBM 2020-16		16				55		1,100
K-PBM 2020-20		20				55		1,250
K-PBM 2020-22		22				60		1,250
K-PBM 2020-25		25				65		1,250
K-PBM 2020-30		30				70		1,500



Standard

2刃

2 Flute

4刃

4 Flute

3&6刃

3&6 Flute

Square

方型

Ball

球型

Corner Radius

角半徑

Taper

錐型

Other

特殊
刀具

單位:Unit(mm)

Standard



2 Flute

2刃

4 Flute

4刃

3&6 Flute

3&6刃

Square

方型

Ball

球型

Corner Radius

角半徑

Taper

錐型

Other

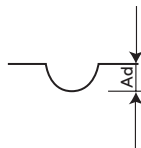
特殊
刀具

型號 Model Number	圓頭半徑 Radius of Ball Nose	有效長 Effective Length	刃長 Length of Cut	首徑 Neck Diameter	單角 Shank Taper Angle	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	ℓ_1	ℓ	ϕd_1	Bta	L	ϕd	
K-PBM 2030-8	R1.5	8	2.5	2.9	12°	60	6	1,250
K-PBM 2030-10		10						1,250
K-PBM 2030-12		12						1,250
K-PBM 2030-16		16						1,250
K-PBM 2030-20		20				70		1,500
K-PBM 2030-25		25						1,500
K-PBM 2030-30		30						1,500
K-PBM 2030-35		35						1,700
K-PBM 2040-10	R2	10	3	3.8	12°	70	6	1,250
K-PBM 2040-12		12						1,250
K-PBM 2040-16		16						1,250
K-PBM 2040-20		20						1,500
K-PBM 2040-25		25						1,500
K-PBM 2040-30		30						1,500
K-PBM 2040-35		35				80		1,800
K-PBM 2040-40		40				90		1,800
K-PBM 2040-45		45				100		2,150
K-PBM 2040-50		50				100		2,150
K-PBM 2050-20	R2.5	20	3.5	4.8	12°	70	6	1,500
K-PBM 2050-25		25						1,500
K-PBM 2050-30		30				80		1,500
K-PBM 2050-35		35				80		1,800
K-PBM 2060-30	R3	30	6	5.8	—	80	6	1,500
K-PBM 2060-50		50			—	120		1,800

K-PBM 切削條件說明表 List of milling for K-PBM

加工材料 WORK MATERIAL		鋁合金 Alumin Alloys			塑膠 Plastic		
切削速度 Velocity		V=65~70m/min			V=40~45m/min		
型號 Model Number	外徑 Outside Diameter (m/m)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	Ad (mm)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	Ad (mm)
2004	0.2	35,000	560	0.005~0.01	35,000	1,100	0.07~0.2
2005	0.25	35,000	700	0.003~0.01	28,000	1,200	0.08~0.25
2006	0.3	35,000	910	0.006~0.03	24,000	1,200	0.1~0.3
2008	0.4	26,000	940	0.006~0.05	18,000	900	0.13~0.4
2010	0.5	21,000	970	0.005~0.08	14,000	700	0.17~0.5
2012	0.6	18,000	1010	0.04~0.09	12,000	600	0.2~0.6
2014	0.7	15,000	1020	0.05~0.1	10,000	500	0.23~0.7
2015	0.75	14,000	1010	0.06~0.12	9,500	475	0.25~0.75
2016	0.8	13,000	1010	0.08~0.13	9,000	450	0.27~0.8
2018	0.9	12,000	1060	0.09~0.15	8,000	400	0.3~0.9
2020	1.0	11,000	1010	0.03~0.21	7,000	350	0.33~1
2030	1.5	6,900	760	0.03~0.23	4,800	240	0.5~1.5
2040	2.0	5,200	690	0.01~0.28	3,600	180	0.6~2
2050	2.5	4,200	590	0.16~0.31	2,900	150	0.8~2.5
2060	3.0	3,500	550	0.22~0.36	2,400	120	1~3

溝切削
 切削量 (mm) Milling Amount for Slotting
 Ad:軸方向切削量 (mm) Milling Amount



Standard

2刃

2 Flute

4刃

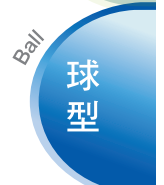
4 Flute

3&6刃

3&6 Flute



Square
方型



Ball
球型



Corner Radius
角半徑



Taper
錐型



Other
特殊
刀具