

Standard



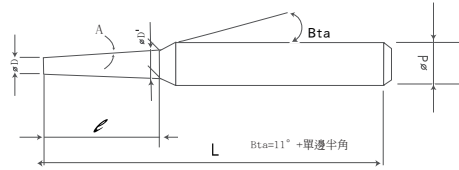
K-BVM 鎢鋼超微小徑2刃斜度銑刀

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.



NANO處理
TiCN coating process is used.



單邊半角徑公差 ±5
Half Included Angle Tolerance ±5.



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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
K-BVM 2002-1	0.2	30'	0.8	0.21	38	3	2,400
K-BVM 2002-2		1°		0.23			
K-BVM 2002-3		1° 30'		0.24			
K-BVM 2002-4		2°		0.26			
K-BVM 2002-6		3°		0.28			
K-BVM 2002-8		4°		0.31			2,800
K-BVM 2002-10		5°		0.34			
K-BVM 2002-14		7°		0.40			
K-BVM 2002-20		10°		0.48			
K-BVM 2003-1		0.3		30'			
K-BVM 2003-2	1°		0.34				
K-BVM 2003-3	1° 30'		0.36				
K-BVM 2003-4	2°		0.38				
K-BVM 2003-6	3°		0.43				
K-BVM 2003-8	4°		0.47	2,800			
K-BVM 2003-10	5°		0.51				
K-BVM 2003-14	7°		0.59				
K-BVM 2003-20	10°		0.72				

- 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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)		
K-BVM 2004-1	0.4	30'	1.6	0.43	38	3	2,400		
K-BVM 2004-2		1°		0.46					
K-BVM 2004-3		1° 30'		0.48					
K-BVM 2004-4		2°		0.51					
K-BVM 2004-6		3°		0.57					
K-BVM 2004-8		4°		0.62			2,800		
K-BVM 2004-10		5°		0.68					
K-BVM 2004-14		7°		0.79					
K-BVM 2004-20		10°		0.96					
K-BVM 2005-1		0.5		30'				2	0.53
K-BVM 2005-2	1°		0.57						
K-BVM 2005-3	1° 30'		0.60						
K-BVM 2005-4	2°		0.64						
K-BVM 2005-6	3°		0.71						
K-BVM 2005-8	4°		0.78	2,800					
K-BVM 2005-10	5°		0.85						
K-BVM 2005-14	7°		0.99						
K-BVM 2005-20	10°		1.21						
K-BVM 2005-24	12°		1.35						
K-BVM 2005-30	15°		1.57	3,200					
K-BVM 2006-1	30'		0.63						
K-BVM 2006-2	1°		0.67						
K-BVM 2006-3	1° 30'		0.70	2,400					
K-BVM 2006-4	2°		0.74						
K-BVM 2006-5	2° 30'	0.77							
K-BVM 2006-6	3°	0.81							
K-BVM 2006-10	5°	0.95							
K-BVM 2006-14	7°	1.09	2,800						
K-BVM 2006-20	10°	1.31							
K-BVM 2006-24	12°	1.45							
K-BVM 2006-30	15°	1.67	3,200						
K-BVM 2008-1	30'	0.85							
K-BVM 2008-2	1°	0.90	2,400						
K-BVM 2008-3	1° 30'	0.96							
K-BVM 2008-4	2°	1.01							
K-BVM 2008-5	2° 30'	1.06							
K-BVM 2008-6	3°	1.11		2,800					
K-BVM 2008-10	5°	1.32							
K-BVM 2008-14	7°	1.54							
K-BVM 2008-20	10°	1.86							
K-BVM 2008-24	12°	2.08							
K-BVM 2008-30	15°	2.41		3,200					
K-BVM 2010-1	1	30'			4	1.07	45	4	2,000
K-BVM 2010-2		1				1.14			
K-BVM 2010-3		1 30'		1.20					



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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
K-BVM 2010-4	1	2°	4	1.28	45	4	2,000
K-BVM 2010-5		2° 30'					
K-BVM 2010-6		3°					
K-BVM 2010-8		4°					
K-BVM 2010-10		5°					
K-BVM 2010-14		7°					
K-BVM 2010-20		10°					
K-BVM 2010-24		12°					
K-BVM 2010-30		15°					
K-BVM 2010-30		15°					
K-BVM 2015-1	1.5	30'	5	1.59	45	4	2,000
K-BVM 2015-2		1°					
K-BVM 2015-3		1° 30'					
K-BVM 2015-4		2°					
K-BVM 2015-5		2° 30'					
K-BVM 2015-6		3°					
K-BVM 2015-8		4°					
K-BVM 2015-10		5°					
K-BVM 2015-14		7°					
K-BVM 2015-20		10°					
K-BVM 2015-24	12°						
K-BVM 2015-30	15°		4.18	50	6	3,200	
K-BVM 2006-1	2	30'	6	2.01	45	4	2,000
K-BVM 2006-2		1°					
K-BVM 2006-3		1° 30'					
K-BVM 2006-4		2°					
K-BVM 2006-5		2° 30'					
K-BVM 2006-6		3°					
K-BVM 2006-8		4°					
K-BVM 2006-10		5°					
K-BVM 2006-14		7°					
K-BVM 2006-20		10°					
K-BVM 2006-24	12°						
K-BVM 2006-30	15°		5.22	50	6	3,200	
K-BVM 2020-1	2.5	30'	8	2.64	45	4	2,000
K-BVM 2020-2		1°					
K-BVM 2020-3		1° 30'					
K-BVM 2020-4		2°					
K-BVM 2020-5		2° 30'					
K-BVM 2020-6		3°					
K-BVM 2020-8		4°					
K-BVM 2020-10		5°					
K-BVM 2020-14		7°					
K-BVM 2020-20		10°					
K-BVM 2020-24	12°						
K-BVM 2020-30	15°		6.79	50	6	3,200	

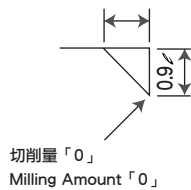
K-BVM 切削條件說明表 List of milling for K-BVM

加工材料 WORK MATERIAL		碳素鋼/合成鋼 CARBON STEELS/ALLOY STEELS (30~40 HRC)		工具鋼 TOOL STEELS PREHARDENED STEELS (30~40 HRC)		碳素鋼/合成鋼 PRE/HARDENED STEELS HARDENED STEELS (30~40 HRC)	
切削速度 Velocity		V = 30~50m/min		V = 20~40m/min		V = 10~30m/min	
型號 Model Number	先端徑 Tip 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)
2002	0.2	32,000	45	25,000	30	18,000	20
2003	0.3	30,000	50	23,000	30	16,200	25
2004	0.4	28,000	60	21,000	35	14,500	25
2005	0.5	25,500	70	19,100	40	12,700	25
2006	0.6	21,300	70	15,900	40	10,600	25
2008	0.8	15,900	100	11,900	60	8,000	40
2010	1	12,800	150	9,600	110	6,400	70
2015	1.5	8,500	150	6,400	110	4,300	70
2020	2	6,400	150	4,800	110	3,200	70
2025	2.5	5,100	150	3,800	110	2,600	70

側面切削

切削量 (mm) Milling Amount for Slotting

ℓ = 刃長 Length of Cut



Standard

2刃

2 Flute

4刃

4 Flute

3&6刃

3&6 Flute



Standard



K-BVM 鎢鋼 4 刃斜度銑刀

Standard, 4 Flute END MILLS

2 Flute

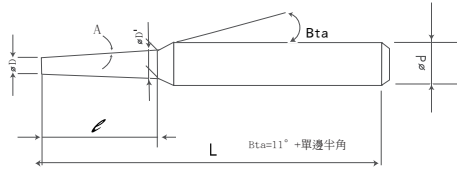
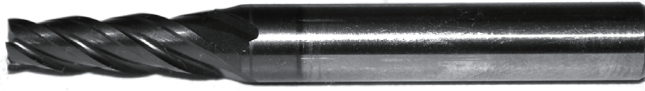
2 刃

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.



NANO處理
TiCN coating process is used.



單邊半角徑公差 $\pm 5'$
Half Included Angle Tolerance $\pm 5'$.



30° 螺旋角
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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)					
K-BVM 4030-1	3	30'	10	3.17	50	6	2,000					
K-BVM 4030-2		1°		3.35								
K-BVM 4030-3		1° 30'		3.52								
K-BVM 4030-4		2°		3.70								
K-BVM 4030-5		2° 30'		3.87								
K-BVM 4030-6		3°		4.05								
K-BVM 4030-10		5°		4.75								
K-BVM 4030-14		7°		5.46								
K-BVM 4040-1		4		30'				15	4.26	50	6	2,000
K-BVM 4040-2				1°					4.52			
K-BVM 4040-3	1° 30'		4.79									
K-BVM 4040-4	2°		5.05									
K-BVM 4040-5	2° 30'		5.31									
K-BVM 4040-6	3°		5.57									
K-BVM 4040-10	5°		6.63									
K-BVM 4040-14	7°		7.68									
							8		3,000			



單位:Unit(mm)

型號 Model Number	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)					
K-BVM 4050-1	5	30'	20	5.35	60	6	2,600					
K-BVM 4050-2		1°		5.70		8						
K-BVM 4050-3		1° 30'		6.05		8						
K-BVM 4050-4		2°		6.40		8						
K-BVM 4050-5		2° 30'		6.75		8						
K-BVM 4050-6		3°		7.10		8						
K-BVM 4050-10		5°		8.50		75		10	3,400			
K-BVM 4050-14	7°	9.91	75	10								
K-BVM 4060-1	6	30'	20	6.35	60	8	2,600					
K-BVM 4060-2		1°		6.70				10				
K-BVM 4060-3		1° 30'		7.05					10			
K-BVM 4060-4		2°		7.40						10		
K-BVM 4060-5		2° 30'		7.75							10	
K-BVM 4060-6		3°		8.10								10
K-BVM 4060-10		5°		9.50								
K-BVM 4060-14	7°	10.91	75	12	4,900							
K-BVM 4080-1	8	30'	25	8.44	75	10	4,600					
K-BVM 4080-2		1°		8.87				10				
K-BVM 4080-3		1° 30'		9.31					10			
K-BVM 4080-4		2°		9.75						10		
K-BVM 4080-5		2° 30'		10.18							12	
K-BVM 4080-6		3°		10.62								12
K-BVM 4080-10		5°		12.37								
K-BVM 4100-1	10	30'	35	10.61	90	12	8,700					
K-BVM 4100-2		1°		11.22				12				
K-BVM 4100-3		1° 30'		11.83					12			
K-BVM 4100-4		2°		12.44						12		
K-BVM 4100-5		2° 30'		13.05							12	
K-BVM 4100-6		3°		13.67								16
K-BVM 4100-10		5°		16.12								
							13,200					



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



2 Flute

2刃

4 Flute

4刃

3&6 Flute

3&6刃

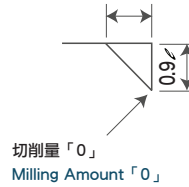
K-BVM 切削條件說明表 List of milling for K-BVM

加工材料 WORK MATERIAL		碳素鋼/合成鋼 CARBON STEELS/ALLOY STEELS (~325 HRC)		工具鋼 TOOL STEELS PREHARDENED STEELS (30~40 HRC)		碳素鋼/合成鋼 PRE/HARDENED STEELS HARDENED STEELS (45~50 HRC)	
切削速度 Velocity		V = 30~50m/min		V = 20~40m/min		V = 10~30m/min	
型號 Model Number	先端徑 Tip 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)
4030	3	4,200	200	3,200	150	2,100	90
4040	4	3,200	200	2,400	150	1,600	90
4050	5	2,600	200	1,900	150	1,300	90
4060	6	2,100	200	1,600	150	1,100	90
4080	8	1,600	200	1,200	150	800	90
4100	10	1,300	200	1,000	150	800	90

側面切削

切削量 (mm) Milling Amount for Slotting

ℓ = 刃長 Length of Cut



Square

方型

Ball

球型

Corner Radius

角半徑

Taper

錐型

Other

特殊
刀具



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-BVML 鎢鋼超微小徑4刃斜度長刃銑刀

Long, 4 Flute Micro Diameter END MILLS

2 Flute

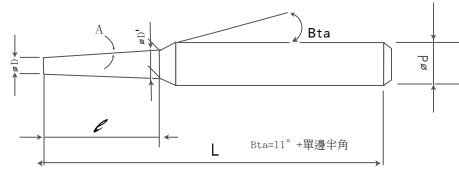
2刃

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.



NANO處理
TiCN coating process is used.



單邊半角徑公差 ± 5
Half Included Angle Tolerance ± 5 .



20° 螺旋角
Helix Angle is 20°



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

被削材 Work Material

炭素鋼	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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	$\varnothing D$	A	l	$\varnothing D$	L	$\varnothing d$	
K-BVML 4005-4-1	0.5	30'	4	0.57	45	4	2,500
K-BVML 4005-6-1			6				
K-BVML 4005-4-1.5		45'	4	0.60			
K-BVML 4005-6-1.5			6				
K-BVML 4005-4-2		1	4	0.64			
K-BVML 4005-6-2			6				
K-BVML 4005-4-3		1° 30'	4	0.71			
K-BVML 4005-6-3			6				
K-BVML 4005-4-4		2	4	0.72			
K-BVML 4005-6-4			6				
K-BVML 4005-4-6		3	4	0.92			
			6				

- 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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)				
	øD	A	ℓ	øD	L	ød					
K-BVML 4006-4-1	0.6	30'	4	0.67	45	4	2,500				
K-BVML 4006-6-1			6	0.70							
K-BVML 4006-4-1.5		45'	4	0.76							
K-BVML 4006-6-1.5			6	0.74							
K-BVML 4006-4-2		1°	4	0.81							
K-BVML 4006-6-2			6	0.91							
K-BVML 4006-4-3		1° 30'	4	0.88							
K-BVML 4006-6-3			6	1.02							
K-BVML 4006-4-4		2°	4	0.88							
K-BVML 4006-6-4			6	1.02							
K-BVML 4006-4-6		3°	4	1.02							
K-BVML 4007-4-1		0.7	30'	4				0.77	45	4	2,500
K-BVML 4007-6-1	6			0.88							
K-BVML 4007-8-1	8			1.02							
K-BVML 4007-6-1.5	45'		6	0.77							
K-BVML 4007-8-1.5			8	0.88							
K-BVML 4007-4-2	1°		4	0.84							
K-BVML 4007-6-2			6	0.91							
K-BVML 4007-8-2			8	0.84							
K-BVML 4007-4-3	1° 30'		4	0.91							
K-BVML 4007-6-3			6	0.98							
K-BVML 4007-8-3			8	0.91							
K-BVML 4007-4-4	2°		4	1.01							
K-BVML 4007-6-4			6	1.12							
K-BVML 4007-8-4			8	0.98							
K-BVML 4007-6-6	3°		6	1.12							
K-BVML 4008-6-1	0.8		30'	6	1.26	45	4	2,500			
K-BVML 4008-8-1				8	1.33						
K-BVML 4008-10-1				10	0.90						
K-BVML 4008-6-1.5		45'	6	0.94							
K-BVML 4008-8-1.5			8	0.97							
K-BVML 4008-10-1.5			10	0.96							
K-BVML 4008-6-2		1°	6	1.01							
K-BVML 4008-8-2			8	1.08							
K-BVML 4008-10-2			10	1.15							
K-BVML 4008-6-3		1° 30'	6	1.11							
K-BVML 4008-8-3			8	1.22							
K-BVML 4008-10-3			10	1.32							



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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)			
	$\varnothing D$	A	l	$\varnothing D$	L	$\varnothing d$				
K-BVML 4011-8-1	1.1	30'	8	1.24	50	4	2,500			
K-BVML 4011-12-1			12	1.31						
K-BVML 4011-8-2		1°	8	1.38						
K-BVML 4011-12-2			12	0.70						
K-BVML 4011-8-3		1° 30'	8	1.73						
K-BVML 4011-12-3			12	1.73						
K-BVML 4011-8-4		2°	8	1.66						
K-BVML 4011-12-4			12	1.94						
K-BVML 4012-8-1	1.2	30'	8	1.34	50	4	2,500			
K-BVML 4012-10-1			10	1.37						
K-BVML 4012-12-1			12	1.41						
K-BVML 4012-16-1		16	1.48	55						
K-BVML 4012-8-1.5		45'	8	1.41	50					
K-BVML 4012-10-1.5			10	1.46						
K-BVML 4012-12-1.5			12	1.51						
K-BVML 4012-16-1.5		16	1.62	55						
K-BVML 4012-8-2		1°	8	1.48	50					
K-BVML 4012-10-2			10	1.55						
K-BVML 4012-12-2			12	1.62						
K-BVML 4012-16-2		16	1.76	55						
K-BVML 4012-8-3		1° 30'	8	1.62	50					
K-BVML 4012-10-3			10	1.72						
K-BVML 4012-12-3			12	1.83						
K-BVML 4012-16-3		16	2.04	55						
K-BVML 4012-8-4		2°	8	1.76	50					
K-BVML 4012-10-4			10	1.90						
K-BVML 4012-12-4			12	2.04						
K-BVML 4012-16-4		16	2.32	55						
K-BVML 4012-10-6		3°	10	2.25	50					
K-BVML 4012-16-6			16	2.88	55					
K-BVML 4013-8-1		1.3	30'	8	1.44			50	4	2,500
K-BVML 4013-12-1				12	1.51					
K-BVML 4013-8-2	1°		8	1.58						
K-BVML 4013-12-2			12	1.72						
K-BVML 4013-8-3	1° 30'		8	1.93						
K-BVML 4013-12-3			12	1.93						
K-BVML 4013-8-4	2°		8	1.86						
K-BVML 4013-12-4			12	2.14						

單位:Unit(mm)

型號 Model Number	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)			
	øD	A	ℓ	øD	L	ød				
K-BVML 4014-8-1	1.4	30'	8	1.54	50	4	2,500			
K-BVML 4014-12-1			12	1.61						
K-BVML 4014-16-1			16	1.68						
K-BVML 4014-8-2		1°	8	1.54	50					
K-BVML 4014-12-2			12	1.82						
K-BVML 4014-16-2			16	1.96						
K-BVML 4014-8-3		1° 30'	8	1.82	50					
K-BVML 4014-12-3			12	2.03						
K-BVML 4014-16-3			16	2.24						
K-BVML 4014-8-4		2°	8	1.96	50					
K-BVML 4014-12-4			12	2.24						
K-BVML 4014-16-4			16	2.52						
K-BVML 4015-8-1		1.5	30'	8	1.64			50	4	2,500
K-BVML 4015-10-1				10	1.67					
K-BVML 4015-12-1	12			1.71						
K-BVML 4015-16-1	16			1.78						
K-BVML 4015-20-1	20			1.85						
K-BVML 4012-8-1.5	45'		8	1.71	50					
K-BVML 4015-10-1.5			10	1.76						
K-BVML 4015-12-1.5			12	1.81						
K-BVML 4015-16-1.5			16	1.92						
K-BVML 4015-20-1.5			20	2.02						
K-BVML 4015-8-2	1°		8	1.78	55					
K-BVML 4015-10-2			10	1.85						
K-BVML 4015-12-2			12	1.92						
K-BVML 4015-16-2			16	2.06						
K-BVML 4015-20-2			20	2.20						
K-BVML 4015-8-3	1° 30'		8	1.92	60					
K-BVML 4015-10-3			10	2.02						
K-BVML 4015-12-3			12	2.13						
K-BVML 4015-16-3			16	2.34						
K-BVML 4015-20-3			20	2.55						
K-BVML 4015-8-4	2°		8	2.06	50					
K-BVML 4015-10-4			10	2.20						
K-BVML 4015-12-4			12	2.34						
K-BVML 4015-16-4			16	2.62						
K-BVML 4015-20-4			20	2.90						
K-BVML 4015-12-4	3°		12	2.76	50					
K-BVML 4015-20-4			20	3.60						
K-BVML 4015-20-4						60	4	2,500		



Standard

2刃

2 Flute

4刃





4 Flute

3&6刃

3&6 Flute



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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)	
	$\varnothing D$	A	l	$\varnothing D$	L	$\varnothing d$		
K-BVML 4016-8-1	1.6	30'	8	1.74	50	4	2,500	
K-BVML 4016-10-1			10	1.77				
K-BVML 4016-12-1			12	1.81				
K-BVML 4016-16-1			16	1.88				
K-BVML 4016-20-1			20	1.95				
K-BVML 4016-8-1.5			8	1.81				
K-BVML 4016-10-1.5		10	1.86	50				
K-BVML 4016-12-1.5		12	1.91					
K-BVML 4016-16-1.5		16	2.02					
K-BVML 4016-20-1.5		20	2.12					
K-BVML 4016-8-2		8	1.88					
K-BVML 4016-10-2		10	1.95		50			
K-BVML 4016-12-2		12	2.02					
K-BVML 4016-16-2		16	2.16					
K-BVML 4016-20-2		20	2.30					
K-BVML 4016-8-3		8	2.02	50				
K-BVML 4016-10-3		10	2.12					
K-BVML 4016-12-3		12	2.23					
K-BVML 4016-16-3		16	2.44					
K-BVML 4016-20-3		20	2.65					
K-BVML 4016-8-4		8	2.16		50			
K-BVML 4016-10-4		10	2.30					
K-BVML 4016-12-4		12	2.44					
K-BVML 4016-16-4		16	2.72					
K-BVML 4016-20-4	20	3.00						
K-BVML 4016-12-6	12	2.86	60					
K-BVML 4016-20-6	20	3.70						
K-BVML 4017-8-1	1.7	30'		8	1.84	50	4	2,500
K-BVML 4017-12-1				12	1.91			
K-BVML 4017-16-1				16	1.98			
K-BVML 4017-20-1				20	2.05			
K-BVML 4017-8-2			8	1.98				
K-BVML 4017-12-2			12	2.12	50			
K-BVML 4017-16-2		16	2.26					
K-BVML 4017-20-2		20	2.40					
K-BVML 4017-8-3		8	2.12	50				
K-BVML 4017-12-3		12	2.33					
K-BVML 4017-16-3		16	2.54					
K-BVML 4017-20-3		20	2.75					

單位:Unit(mm)

型號 Model Number	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)	
	øD	A	ℓ	øD	L	ød		
K-BVML 4017-8-4	1.7	2°	8	2.26	50	4	2,500	
K-BVML 4017-12-4			12	2.54				
K-BVML 4017-16-4			16	2.82				
K-BVML 4017-20-4			20	3.10				
K-BVML 4018-8-1	1.8	30'	8	1.94	50	4	2,500	
K-BVML 4018-10-1			10	1.97				
K-BVML 4018-12-1			12	2.01				
K-BVML 4018-16-1			16	2.08				
K-BVML 4018-20-1		20	2.15					
K-BVML 4018-8-1.5		45'	8	2.01	50			
K-BVML 4018-10-1.5			10	2.06				
K-BVML 4018-12-1.5			12	2.11				
K-BVML 4018-16-1.5			16	2.22				
K-BVML 4018-20-1.5		20	2.32					
K-BVML 4018-8-2		1°	1°	8	2.08			50
K-BVML 4018-10-2				10	2.15			
K-BVML 4018-12-2				12	2.22			
K-BVML 4018-16-2				16	2.36			
K-BVML 4018-20-2			20	2.50				
K-BVML 4018-8-3			1° 30'	8	2.22			50
K-BVML 4018-10-3				10	2.32			
K-BVML 4018-12-3				12	3.43			
K-BVML 4018-16-3		16		2.64				
K-BVML 4018-20-3		20	2.85					
K-BVML 4018-8-4	2°	2°	8	2.36	50			
K-BVML 4018-10-4			10	2.50				
K-BVML 4018-12-4			12	3.64				
K-BVML 4018-16-4			16	2.92				
K-BVML 4018-20-4	20	3.20						
K-BVML 4018-12-6	3°	3°	12	3.06	55			
K-BVML 4018-20-6			20	3.90				
K-BVML 4019-8-1	1.9	30'	8	2.04	50	4	2,500	
K-BVML 4019-12-1			12	2.11				
K-BVML 4019-16-1			16	2.18				
K-BVML 4019-20-1			20	2.25				
K-BVML 4019-8-1		1°	1°	8	2.18			50
K-BVML 4019-12-1				12	2.32			
K-BVML 4019-16-1				16	3.46			
K-BVML 4019-20-1				20	2.60			



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	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)		
	$\varnothing D$	A	l	$\varnothing D$	L	$\varnothing d$			
K-BVML 4019-8-3	1.9	1° 30'	8	2.32	50	4	2,500		
K-BVML 4019-12-3			12	2.53					
K-BVML 4019-16-3			16	2.74					
K-BVML 4019-20-3			20	2.95	60				
K-BVML 4019-8-4			2°	8	2.46			50	
K-BVML 4019-12-4				12	2.74				
K-BVML 4019-16-4		16		3.02					
K-BVML 4019-20-4		20		3.30	60				
K-BVML 4020-8-1		2		30'	8			2.14	50
K-BVML 4020-10-1					10			2.17	
K-BVML 4020-12-1			12		2.21				
K-BVML 4020-16-1			16		2.28				
K-BVML 4020-20-1	20		2.35		60				
K-BVML 4020-25-1	25		2.44						
K-BVML 4020-10-1.5	45'		10		2.26	50			
K-BVML 4020-12-1.5			12		2.31				
K-BVML 4020-16-1.5			16	2.42					
K-BVML 4020-20-1.5			20	2.52					
K-BVML 4020-25-1.5			25	2.65	60				
K-BVML 4020-8-2			1°	8	2.28	50			
K-BVML 4020-10-2				10	2.35				
K-BVML 4020-12-2				12	2.42				
K-BVML 4020-16-2	16			2.56					
K-BVML 4020-20-2	20			2.70	60				
K-BVML 4020-25-2	25			2.87					
K-BVML 4020-8-3	1 30'			8	2.42	50			
K-BVML 4020-10-3				10	2.52				
K-BVML 4020-12-3			12	2.63					
K-BVML 4020-16-3			16	2.84					
K-BVML 4020-20-3			20	3.05	60				
K-BVML 4020-25-3			25	3.31					
K-BVML 4020-8-4			2°	8	3.56	50			
K-BVML 4020-10-4		10		2.70					
K-BVML 4020-12-4	12	2.84							
K-BVML 4020-16-4	16	3.12							
K-BVML 4020-20-4	20	3.40		60					
K-BVML 4020-25-4	25	3.75							
K-BVML 4020-16-6	3°	16		3.68	55				
K-BVML 4020-25-6		25		4.62	70	6	2,800		



型號 Model Number	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)		
	øD	A	ℓ	øD	L	ød			
K-BVML 4025-10-1	2.5	30°	10	2.67	50	4	2,500		
K-BVML 4025-12-1			12	2.71	50				
K-BVML 4025-16-1			16	2.78	55				
K-BVML 4025-20-1			20	2.85	60				
K-BVML 4025-25-1			25	2.94	70				
K-BVML 4025-30-1			30	3.02					
K-BVML 4020-10-1.5		45°	45°	10	2.76	50	4	2,500	
K-BVML 4020-12-1.5				12	2.81	50			
K-BVML 4020-16-1.5				16	2.92	55			
K-BVML 4020-20-1.5				20	3.02	60			
K-BVML 4020-25-1.5				25	3.15	70			
K-BVML 4020-30-1.5				30	3.29				
K-BVML 4025-10-2		1°	1°	10	2.85	50	4	2,500	
K-BVML 4025-12-2				12	2.92				
K-BVML 4025-16-2				16	3.06	55			
K-BVML 4025-20-2				20	3.20	60			
K-BVML 4025-25-2				25	3.37	70			
K-BVML 4025-30-2				30	3.55				
K-BVML 4025-10-3		1° 30'	1° 30'	10	3.02	50	4	2,500	
K-BVML 4025-12-3				12	3.13				
K-BVML 4025-16-3				16	3.34				55
K-BVML 4025-20-3				20	3.55				60
K-BVML 4025-25-3		2°	2°	25	3.81	70	6	2,700	
K-BVML 4025-30-3				30	4.07	70			
K-BVML 4025-10-4		2°	2°	10	3.20	50	4	2,500	
K-BVML 4025-12-4				12	3.34				
K-BVML 4025-16-4				16	3.62				55
K-BVML 4025-20-4				20	3.90				60
K-BVML 4025-25-4		3°	3°	25	4.25	70	6	2,800	
K-BVML 4025-30-4				30	4.60				
K-BVML 4025-20-6	3°	3°	20	4.60	60	6	2,800		
K-BVML 4025-25-6			25	5.12					
K-BVML 4025-30-6			30	5.64					



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

型號 Model Number	先端徑 Tip Diameter $\varnothing D$	單邊半角 Half Included Angle A	刃長 Length of Cut l	大端徑 Dia. at Large End $\varnothing D$	全長 Overall Length L	柄徑 Shank Diameter $\varnothing d$	定價 Price (NT)	
K-BVML 4030-25-1	3	30'	25	3.44	70	4	2,700	
K-BVML 4030-30-1			30	3.52			2,700	
K-BVML 4030-25-1.5		45'	25	3.65	80	6	2,700	
K-BVML 4030-40-1.5			40	4.05			2,800	
K-BVML 4030-20-2		1°		20	3.70	60	4	2,500
K-BVML 4030-25-2				25	3.87	70		2,700
K-BVML 4030-30-2				30	4.05	70		2,700
K-BVML 4030-40-2		1° 30'		40	4.40	80	6	2,800
K-BVML 4030-25-3				25	4.31	70	6	2,800
K-BVML 4030-40-3		2°		40	5.09	80	6	2,800
K-BVML 4030-25-4				25	4.75	70	6	2,800
K-BVML 4030-30-4		3°		30	5.10	70	6	2,800
K-BVML 4030-40-4				40	5.79	80	6	2,800
K-BVML 4030-25-6		3°		25	5.62	70	6	2,800
K-BVML 4030-40-1.5				40	7.19	80	8	3,500

Square

方型

Ball

球型

Corner Radius

角半徑

Taper

錐型

Other

特殊
刀具

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

加工材料 WORK MATERIAL			碳素鋼/合成鋼 PRE/HARDENED STEELS HARDENED STEELS (45~50HRC)		
型號 Model Number	先端徑 Tip Diameter (m/m)	刃長 Length of Cut (m/m)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	Ad (mm)
4005-4	0.5	4	16,000~24,000	150~200	0.01~0.02
4005-6	0.5	6			0.02~0.03
4006-4	0.6	4			0.01~0.02
4006-6	0.6	6			0.03~0.04
4007-4	0.7	4			0.02~0.03
4007-6	0.7	6			0.01~0.02
4007-8	0.7	8		200~300	0.04~0.08
4008-6	0.8	6			0.04~0.07
4008-8	0.8	8			0.03~0.06
4008-10	0.8	10			0.04~0.09
4009-6	0.9	6			0.03~0.08
4009-8	0.9	8			0.03~0.07
4009-10	0.9	10	13,000~19,000	350~450	0.04~0.09
4010-8	1	8			0.03~0.08
4010-10	1	10			0.03~0.06
4010-12	1	12			0.04~0.09
4011-8	1.1	8			0.03~0.08
4011-12	1.1	12			0.04~0.09
4012-8	1.2	8		400~500	0.03~0.06
4012-10	1.2	10			0.03~0.06
4012-12	1.2	12			0.02~0.06
4012-16	1.2	16			0.04~0.09
4013-8	1.3	8			0.03~0.06
4013-12	1.3	12			0.04~0.09
4014-8	1.4	8	8,500~12,700	400~500	0.03~0.06
4014-12	1.4	12			0.06~0.13
4014-16	1.4	16			0.05~0.11
4015-8	1.5	8			0.04~0.09
4015-10	1.5	10			0.03~0.07
4015-12	1.5	12			0.02~0.05
4015-16	1.5	16		0.06~0.06	
4015-20	1.5	20		0.05~0.14	
4016-8	1.6	8		0.04~0.12	
4016-10	1.6	10		0.03~0.08	
4016-12	1.6	12		0.02~0.06	
4016-16	1.6	16		0.06~0.14	
4016-20	1.6	20	0.04~0.1		
4017-8	1.7	8			
4017-12	1.7	12			



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



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

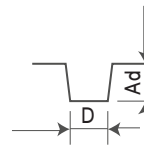
加工材料 WORK MATERIAL			碳素鋼/合成鋼 PRE/HARDENED STEELS HARDENED STEELS (45-50HRC)		
型號 Model Number	先端徑 Tip Diameter (m/m)	刃長 Length of Cut (m/m)	轉數 Speed (m/in-1)	進給量 Feed (m/in-1)	Ad (mm)
4017-16	1.7	12	8,500~12,700	400~500	0.03~0.08
4017-20	1.7	20			0.02~0.06
4018-8	1.8	8	64,000~9,600	400~600	0.07~0.15
4018-10	1.8	10			0.06~0.13
4018-12	1.8	12			0.05~0.11
4018-16	1.8	16			0.04~0.09
4018-20	1.8	20			0.03~0.06
4019-8	1.9	8			0.08~0.16
4019-12	1.9	12			0.05~0.11
4019-16	1.9	16			0.04~0.09
4019-20	1.9	20			0.03~0.07
4020-8	2	8			0.08~0.16
4020-10	2	10			0.07~0.15
4020-12	2	12			0.06~0.13
4020-16	2	16	0.04~0.09		
4020-20	2	20	0.03~0.07		
4020-25	2	25	0.02~0.05		
4025-10	2.5	10	5,000~7,600	300~500	0.02~0.04
4025-12	2.5	12			0.02~0.04
4025-16	2.5	16			0.01~0.03
4025-20	2.5	20			0.01~0.02
4025-25	2.5	25			0.01~0.02
4025-30	2.5	30	4,200~7,600	300~500	0.005~0.01
4030-20	3	20			0.03~0.05
4030-25	3	25			0.02~0.03
4030-30	3	30			0.01~0.02
4030-40	3	40			0.005~0.02

溝切削

切削量 (mm) Milling Amount for Slotting

Ad:軸方向切削量 (mm) Milling Amount

D:先端徑 (mm) Tip Diameter





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-RBVM 鎢鋼 2 刃 斜度 球 刀

Standard, 2 Flute Ball Nose END MILLS

2 Flute

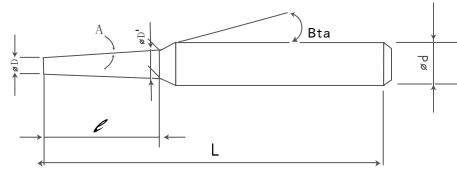
2刃

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.



NANO處理
TiCN coating process is used.



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



單邊半角徑公差 ±5
Half Included Angle Tolerance ±5.



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

單位:Unit(mm)

型號 Model Number	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
K-VMRL 2004-6	R0.2	3°	3	0.70	45	4	2,600
K-VMRL 2004-10		5°		0.89			
K-VMRL 2004-14		7°		1.10			
K-VMRL 2004-20		10°		1.41			
K-VMRL 2006-6	R0.3	3°	3	0.89	45	4	2,400
K-VMRL 2006-10		5°		1.08			
K-VMRL 2006-14		7°		1.28			
K-VMRL 2006-20		10°		1.58			
K-VMRL 2010-1	R0.5	30'	3	1.04	45	4	2,300
K-VMRL 2010-2		1°		1.09			
K-VMRL 2010-3		1° 30'		1.13			
K-VMRL 2010-4		2°		1.18			
K-VMRL 2010-6		3°		1.26			
K-VMRL 2010-10		5°		1.45			
K-VMRL 2010-14		7°		1.66			



單位:Unit(mm)

型號 Model Number	先端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)		
K-VMRL 2015-1	R0.75	30'	6	1.59	45	4	2,300		
K-VMRL 2015-2		1°		1.68					
K-VMRL 2015-3		1° 30'		1.78					
K-VMRL 2015-4		2°		1.87					
K-VMRL 2015-6		3°		2.05					
K-VMRL 2015-14		7°		2.80					
K-VMRL 2020-1	R1	30'	8	2.12	45	4			
K-VMRL 2020-2		1°		2.24					
K-VMRL 2020-3		1° 30'		2.37					
K-VMRL 2020-4		2°		2.49					
K-VMRL 2020-6		3°		2.74					
K-VMRL 2020-8		4°		2.98					
K-VMRL 2020-10		5°		3.32					
K-VMRL 2020-14		7°		3.73				50	6
K-VMRL 2025-1	R1.25	30'	10	2.65	45	4			
K-VMRL 2025-2		1°		2.81					
K-VMRL 2025-3		1° 30'		2.96					
K-VMRL 2025-4		2°		3.11					
K-VMRL 2025-6		3°		3.42					
K-VMRL 2025-8		4°		3.73			50	6	
K-VMRL 2025-10		5°		4.04					
K-VMRL 2025-14-S6		7°		14.5	5.75	60			6
K-VMRL 2025-14				15	5.90				
K-VMRL 2030-14-S6		R1.5		7°	12.5	5.70	60	6	
K-VMRL 2030-14	15		6.34		8	2,800			



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



2 Flute

2刃

4 Flute

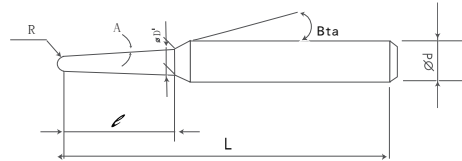
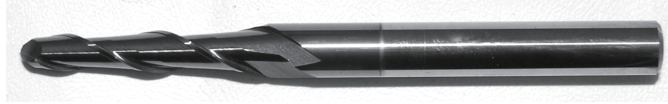
4刃

3&6 Flute

3&6刃

K-VMRL 鎢鋼 2 刃斜度長刃球刀

Long, 2 Flute Ball Nose END MILLS



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



NANO處理
TiCN coating process is used.



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



單邊半角徑公差 ±5
Half Included Angle Tolerance ±5.



35° 圓角
Helix Angle is 35°



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

單位:Unit(mm)

型號 Model Number	圓角半徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)			
K-VMRL 4006-4-1	R0.3	30'	4	0.66	45	4	3,100			
K-VMRL 4006-6-1			6	0.70			3,100			
K-VMRL 4006-4-1.5		30'	4	0.70			3,100			
K-VMRL 4006-6-1.5			6	0.75			3,100			
K-VMRL 4006-4-2		1°	4	0.73			3,100			
K-VMRL 4006-6-2			6	0.80			3,100			
K-VMRL 4006-4-3		1° 30'	4	0.79			3,100			
K-VMRL 4006-6-3			6	0.90			3,100			
K-VMRL 4006-4-4		2°	4	0.86			3,100			
K-VMRL 4006-6-4			6	1.00			3,100			
K-VMRL 4008-6-1		R0.4	1.2	6			0.90	45	4	3,100
K-VMRL 4008-8-1				8			0.93			3,100
K-VMRL 4008-10-1	10			0.97	45	4	3,100			



單位:Unit(mm)

型號 Model Number	原角端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)	
	øD	A	ℓ	øD	L	ød		
K-VMRL 4008-6-1.5	R0.4	45°	6	0.95	45	4	3,100	
K-VMRL 4008-8-1.5			8	1.00			3,100	
K-VMRL 4008-10-1.5			10	1.05			3,100	
K-VMRL 4008-6-2		1°	6	1.00	45	4	3,100	
K-VMRL 4008-8-2			8	1.07			3,100	
K-VMRL 4008-10-2			10	1.14			3,100	
K-VMRL 4008-6-3		1° 30'	6	1.09	45	4	3,100	
K-VMRL 4008-8-3			8	1.20			3,100	
K-VMRL 4008-10-3			10	1.30			3,100	
K-VMRL 4008-6-4		2°	6	1.19	45	4	3,100	
K-VMRL 4008-8-4			8	1.33			3,100	
K-VMRL 4008-10-4			10	1.47			3,100	
K-VMRL 4010-8-1		R0.5	30°	8	1.13	45	4	3,100
K-VMRL 4010-10-1				10	1.17			3,100
K-VMRL 4010-12-1	12			1.20	3,200			
K-VMRL 4010-16-1	16			1.27	50			3,200
K-VMRL 4010-8-1.5	45°		8	1.20	45	4	3,100	
K-VMRL 4010-10-1.5			10	1.25			3,100	
K-VMRL 4010-12-1.5			12	1.30			3,200	
K-VMRL 4010-16-1.5			16	1.41			50	3,200
K-VMRL 4010-8-2	1°		8	1.26	45	4	3,100	
K-VMRL 4010-10-2			10	1.33			3,100	
K-VMRL 4010-12-2			12	1.40			3,200	
K-VMRL 4010-16-2			16	1.54			3,200	
K-VMRL 4010-8-3	1° 30'		8	1.39	45	4	3,100	
K-VMRL 4010-10-3			10	1.50			3,100	
K-VMRL 4010-12-3			12	1.60			3,200	
K-VMRL 4010-16-3			16	1.81			50	3,200
K-VMRL 4010-8-4	2°		8	1.52	45	4	3,100	
K-VMRL 4010-10-4			10	1.66			3,100	
K-VMRL 4010-12-4			12	1.80			3,200	
K-VMRL 4010-16-4			16	2.08			50	3,200
K-VMRL 4012-8-1	R0.6		30°	8	1.33	45	4	3,100
K-VMRL 4012-10-1				10	1.36			3,100
K-VMRL 4012-12-1				12	1.40			3,200
K-VMRL 4012-16-1				16	1.47			55
K-VMRL 4012-8-1.5			45°	8	1.39	45	4	3,100
K-VMRL 4012-10-1.5				10	1.45			3,100
K-VMRL 4012-12-1.5				12	1.50			3,200
K-VMRL 4012-16-1.5				16	1.60			55
K-VMRL 4012-8-2		1°	8	1.46	45	4	3,100	
K-VMRL 4012-10-2			10	1.53			3,100	
K-VMRL 4012-12-2			12	1.60			3,200	
K-VMRL 4012-16-2			16	1.74			55	3,200



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	原角端徑 Tip Diameter øD	單邊半角 Half Included Angle A	刃長 Length of Cut ℓ	大端徑 Dia. at Large End øD	全長 Overall Length L	柄徑 Shank Diameter ød	定價 Price (NT)	
K-VMRL 4012-8-3	R0.6	1° 30'	8	1.59	45	4	3.100	
K-VMRL 4012-10-3			10	1.69			3.100	
K-VMRL 4012-12-3			12	1.80			3.200	
K-VMRL 4012-16-3			16	2.01			3.200	
K-VMRL 4012-8-4		2°	2°	8	1.72		45	3.100
K-VMRL 4012-10-4				10	1.86			3.100
K-VMRL 4012-12-4				12	2.00			3.200
K-VMRL 4012-16-4				16	2.28			3.200
K-VMRL 4015-8-1		R0.75	30'	8	2.63		45	3.200
K-VMRL 4015-10-1				10	1.66			3.200
K-VMRL 4015-12-1				12	1.70			3.200
K-VMRL 4015-16-1				16	1.77			3.200
K-VMRL 4015-20-1	45'		45'	20	1.84	60	3.400	
K-VMRL 4015-8-1.5				8	1.69	45	3.200	
K-VMRL 4015-10-1.5				10	1.74		3.200	
K-VMRL 4015-12-1.5				12	1.79		3.200	
K-VMRL 4015-16-1.5	16		1.90	55	3.200			
K-VMRL 4015-20-1.5	20		2.00	60	3.400			
K-VMRL 4015-8-2	1°		1°	8	1.75	45	3.200	
K-VMRL 4015-10-2				10	1.82		3.200	
K-VMRL 4015-12-2		12		1.89	3.200			
K-VMRL 4015-16-2		16		2.03	55		3.200	
K-VMRL 4015-20-2	20	2.17	60	3.400				
K-VMRL 4015-8-3	1° 30'	1° 30'	8	1.88	45	3.200		
K-VMRL 4015-10-3			10	1.98		3.200		
K-VMRL 4015-12-3			12	1.09		3.200		
K-VMRL 4015-16-3			16	2.30		55	3.200	
K-VMRL 4015-20-3	20	2.51	60	3.400				
K-VMRL 4015-8-4	2°	2°	8	2.01	45	3.200		
K-VMRL 4015-10-4			10	2.15		3.200		
K-VMRL 4015-12-4			12	2.29		3.200		
K-VMRL 4015-16-4			16	2.57		55	3.200	
K-VMRL 4015-20-4	20	2.85	60	3.400				
K-VMRL 4016-8-1	R0.8	30'	8	1.73	45	3.200		
K-VMRL 4016-10-1			10	1.76		3.400		
K-VMRL 4016-12-1			12	1.80		3.400		
K-VMRL 4016-16-1			16	1.87		55	3.400	
K-VMRL 4016-20-1		20	1.94	60	3.400			
K-VMRL 4016-8-1.5		45'	45'	8	1.79	45	3.200	
K-VMRL 4016-10-1.5				10	1.84		3.400	
K-VMRL 4016-12-1.5				12	1.89		3.400	
K-VMRL 4016-16-1.5				16	2.00		55	3.400
K-VMRL 4016-20-1.5		20	2.10	60	3.500			
K-VMRL 4016-8-2		1°	1°	8	1.85	45	3.200	
K-VMRL 4016-10-2				10	1.92		3.400	

單位:Unit(mm)

型號 Model Number	原角端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)	
	R	A	ℓ	øD	L	ød		
K-VMRL 4020-10-1.5	R1.0	45°	10	2.24	45	4	3.400	
K-VMRL 4020-12-1.5			12	2.29			3.400	
K-VMRL 4020-16-1.5			16	2.39	55		3.400	
K-VMRL 4020-20-1.5			20	2.50	60		3.400	
K-VMRL 4020-25-1.5			25	2.63			3.700	
K-VMRL 4020-30-1.5			30	2.86	65		3.800	
K-VMRL 4020-10-2		1°	1°	10	2.31	45	4	3.400
K-VMRL 4020-12-2				12	2.38			3.400
K-VMRL 4020-16-2				16	2.52	55		3.400
K-VMRL 4020-20-2				20	2.66	60		3.400
K-VMRL 4020-25-2				25	2.84			3.700
K-VMRL 4020-30-2				30	3.01	65		3.800
K-VMRL 4020-10-3		1° 30'	1° 30'	10	2.47	45	6	3.400
K-VMRL 4020-12-3				12	2.58			3.400
K-VMRL 4020-16-3				16	2.79	55		3.400
K-VMRL 4020-20-3				20	3.00	60		3.400
K-VMRL 4020-25-3				25	3.26	65		3.700
K-VMRL 4020-30-3				30	2.52	70		3.800
K-VMRL 4020-10-42		2°	2°	10	2.63	45	4	3.400
K-VMRL 4020-12-4				12	2.77			3.400
K-VMRL 4020-16-4				16	3.05	55		3.400
K-VMRL 4020-20-4				20	3.33	60		3.400
K-VMRL 4020-25-4				25	3.68	65		3.700
K-VMRL 4020-30-4				30	4.03	70		3.800
K-VMRL 4025-10-1		R1.25	30°	10	2.65	60	4	3.700
K-VMRL 4025-12-1				12	2.69			3.700
K-VMRL 4025-16-1				16	2.76			3.700
K-VMRL 4025-20-1				20	2.83			3.700
K-VMRL 4025-25-1				25	2.91			70
K-VMRL 4025-10-1.5			45°	45°	10	2.73		60
K-VMRL 4025-12-1.5	12				2.78	3.700		
K-VMRL 4025-16-1.5	16				2.89	3.700		
K-VMRL 4025-20-1.5	20				2.99	3.700		
K-VMRL 4025-25-1.5	25				3.12	70		
K-VMRL 4025-10-2	1°		1°	10	2.81	60		3.700
K-VMRL 4025-12-2				12	2.88			3.700
K-VMRL 4025-16-2				16	3.02			3.700
K-VMRL 4025-20-2				20	3.15			3.700
K-VMRL 4025-25-2				25	3.33			70
K-VMRL 4025-10-3	1° 30'		1° 30'	10	2.96	60		3.700
K-VMRL 4025-12-3				12	3.06			3.700
K-VMRL 4025-16-3				16	3.27			3.700
K-VMRL 4025-20-3				20	3.48			3.700
K-VMRL 4025-25-3				25	3.74			70



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

型號 Model Number	原角端徑 Tip Diameter	單邊半角 Half Included Angle	刃長 Length of Cut	大端徑 Dia. at Large End	全長 Overall Length	柄徑 Shank Diameter	定價 Price (NT)
	R	A	ℓ	øD	L	ød	
K-VMRL 4025-10-4	R1.25	2°	10	3.11	60	6	3,700
K-VMRL 4025-12-4			12	3.25			3,700
K-VMRL 4025-16-4			16	3.53			3,700
K-VMRL 4025-20-4			20	3.81			3,700
K-VMRL 4025-25-4			25	4.16	70		3,900
K-VMRL 4040-25-1	R2	30'	25	4.40	65	6	3,900
K-VMRL 4040-25-2		1°	25	4.80			3,900
K-VMRL 4040-25-3		1° 45'	25	5.21			3,900
K-VMRL 4040-25-4		2°	25	5.61	70		3,900

Square
方型

Ball
球型

Corner Radius
角半徑

Taper
錐型

Other
特殊
刀具



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