

KPM



KPM 系列刀具
高效能模具刀具

KPM series
High efficiency mold tool



欧思克切削技术有限公司
OSK Cutting Technology Co., Ltd.

www.osktool.com

图标说明 / Meaning of icons

加工用途 / Applications



平面切削
Planing



侧面切削
Side Cutting



槽切削
Slotting



曲面加工
Profiling



R形加工
Radius

加工分类 / Type



粗加工
Roughing



半精加工
Semi-Finishing



精加工
Finishing

刀具材质 / Materials



涂层 / Coating



刀具技术参数 / Technical parameters of cutting tool



被切削材料硬度
Work material
hardness



端刃数量
Flute



螺旋角
Helix angle



深沟
Rib/Shrink neck

被加工材料 / Processed material



不锈钢
Stainless steel



模具钢
Mold steel

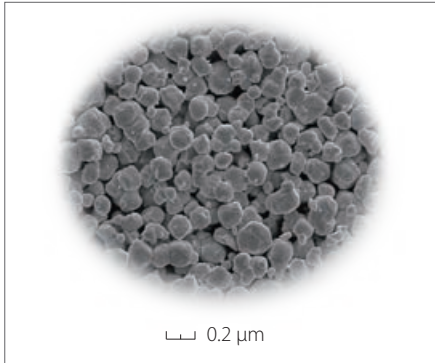


石墨
Graphite



铝合金
Aluminium

KPM 系列采用超细颗粒材料 / KPM series of ultrafine particle materials

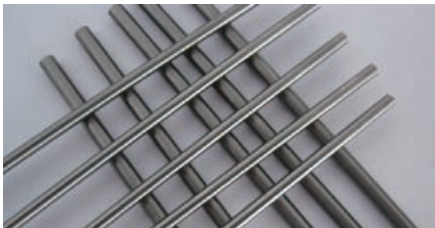


钨钢粉末颗粒
Tungsten powder particles



钨钢粉末高温烧结炉
Tungsten powder sintering furnace

KPM 系列使用的超细钨钢材料 / The use of KPM series ultrafine tungsten carbide materials

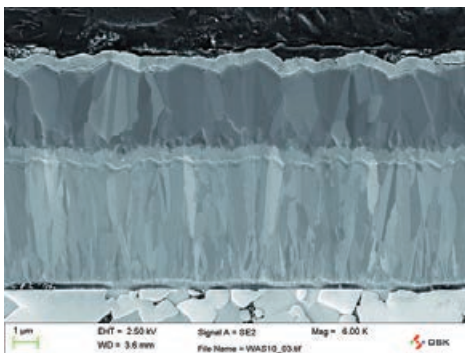


钨钢粗磨棒料
Coarse grinding tungsten steel bar

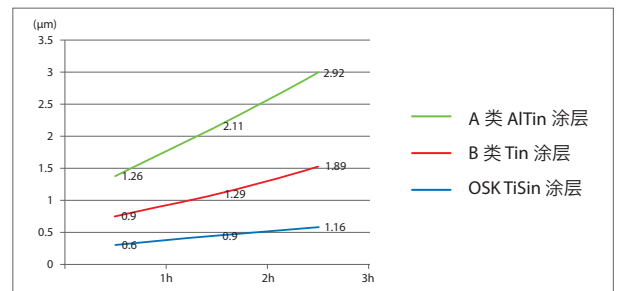


钨钢精磨棒料
Tungsten steel grinding rod

**KPM 系列采用超耐磨涂层 TiSiN
KPM series using super wear-resistant coating TiSiN**



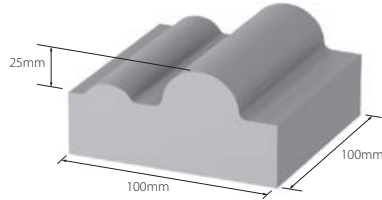
**KPM 系列涂层与其它种类涂层对比
Comparison of KPM series coating with other kinds of coating**



相同参数，时间，材料 (SKD11) 加工磨损涂层对比
The same parameters, time, material (SKD11) processing wear coating contrast contrast

KPM 系列 4 刃球头立铣刀对比 / Comparison of KPM series 4 Flutes ball end mills

加工一个右图所示的模具。
 模具材料: 热处理 SKD61
 Comparison of time required for cutting the mold shown at right
 Mold material: SKD61(HRC52)



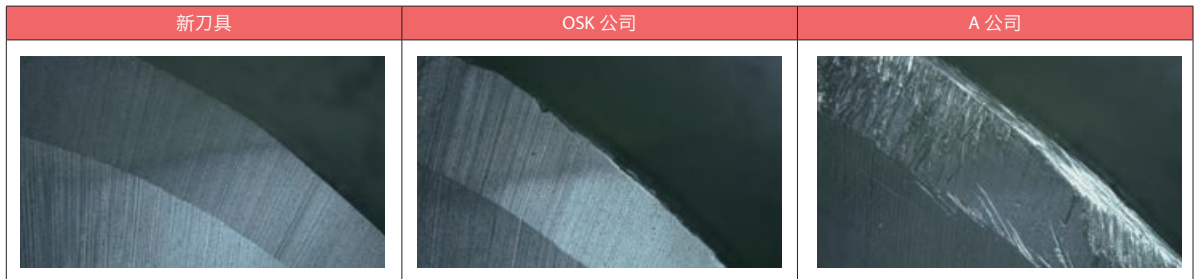
Product model	A 公司	OSK 产品
尺寸 Tool size	6×R3, 4 刃 Flutes	6×R3, 4 刃 Flutes
切削时间 Cutting time	135 分钟 Min	135 分钟 Min
切削方式 Cutting method	球面切削 Spherical cutting	球面切削 Spherical cutting
冷却方式 Cooling mode	油冷 Oil cooling	油冷 Oil cooling
切削参数 Cutting parameter	S=3000, F=400, Ap: 2mm, Ae: 2mm	S=3000, F=400, Ap: 2mm, Ae: 2mm

相同时间, 相同加工参数 / The same time, the same processing parameters

刀具球面磨损对比 / Tool Spherical wear contrast



刀具圆弧磨损对比 / Tool circular arc wear contrast



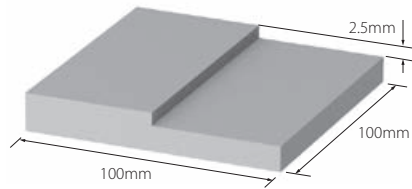
KPM 系列加工费用对比 / The same time, the same processing parameters

假设完成一个工件, 需要 300 分钟 / If we work a piece, we need 300 minutes to finish it.

	刀具费 ¥ Tool cost ¥	刀具更换时间 Tool change time	实际加工时间 (h) Actual processing time	机械 / 人工费 ¥ Mechanical/labor cost ¥	加工费用对比 ¥ Processing cost comparison ¥
A 公司	80×3	60 分钟 min	360	8.5 / 分钟	3300
OSK 产品	120×1	20 分钟 min	320	8.5 / 分钟	2840

KPM 系列 2 刃立铣刀对比 / Comparison of KPM series 2 Flutes end mills

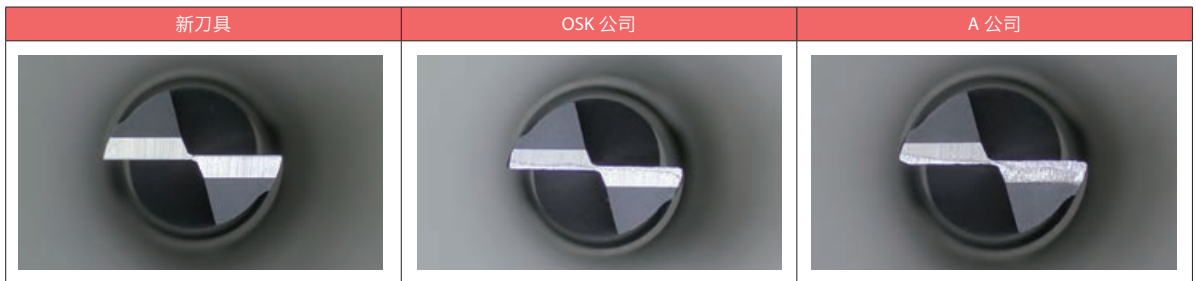
加工一个右图所示的模具。
 模具材料：热处理 SKD61
 Comparison of time required for cutting the mold shown at right
 Mold material: SKD61(HRC52)



Product model	A 公司	OSK 产品
尺寸 Tool size	4.0mm, 2 刃 Flutes	4.0mm, 2 刃 Flutes
切削时间 Cutting time	180 分钟 Min	360 分钟 Min
切削方式 Cutting method	平面切削 Plane cutting	平面切削 Plane cutting
冷却方式 Cooling mode	气冷 Gas cooling	气冷 Gas cooling
切削参数 Cutting parameter	S=30000, F=120, Ap: 1D, Ae: 0.02D	S=30000, F=120, Ap: 1D, Ae: 0.02D

相同时间，相同加工参数 / The same time, the same processing parameters

刀具球面磨损对比 / Tool Spherical wear contrast



刀具圆弧磨损对比 / Tool circular arc wear contrast



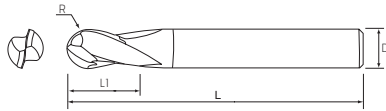
KPM 系列加工费用对比 / The same time, the same processing parameters

假设完成一个工件，需要 380 分钟 / If we work a piece, we need 380 minutes to finish it.

	刀具费 ¥ Tool cost ¥	刀具更换时间 Tool change time	实际加工时间 (h) Actual processing time	机械 / 人工费 ¥ Mechanical/labor cost ¥	加工费用对比 ¥ Processing cost comparison ¥
A 公司	70×3	60 分钟 min	460	8.5 / 分钟	4120
OSK 产品	120×1	20 分钟 min	420	8.5 / 分钟	3690

直径 Diameter D (mm)	公差 Tolerance(mm)
R0.25<D<R6	0 ~ -0.01
D>R6	0 ~ -0.015

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



- 中硬度钢 (HRC55)
- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。
- Endmills for pre-hardened and hardened steel (HRC55)
- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KPM-BR 2 刃球刀 / 2 Flutes Ball End mills



Product model	Radius 半径 R	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-BR-200050-S04	R0.5	1.5	50	4
KPM-BR-200050-S06				6
KPM-BR-200075-S04	R0.75	2.5		4
KPM-BR-200075-S06				6
KPM-BR-200100-S04	R1.0	3		4
KPM-BR-200100-S06				6
KPM-BR-200125-S04	R1.25	4		4
KPM-BR-200125-S06				6
KPM-BR-200150-S04	R1.5	4.5		4
KPM-BR-200150-S06				6
KPM-BR-200200-S04	R2.0	6		4
KPM-BR-200200-S06				6
KPM-BR-200250-S06	R2.5	7.5	50	6
KPM-BR-200300-S06	R3.0	9	50	6
KPM-BR-200350-S08	R3.5	10.5	60	8
KPM-BR-200400-S08	R4.0	12	60	8
KPM-BR-200450-S10	R4.5	13.5	75	10
KPM-BR-200500-S10	R5.0	15	75	10
KPM-BR-200600-S12	R6.0	18	75	12
KPM-BR-200700-S14	R7.0	21	100	14
KPM-BR-200800-S16	R8	24	100	16
KPM-BR-201000-S20	R10	30	100	20
KPM-BR-201250-S25	R12.5	35	100	25

KPM Ball End Mills

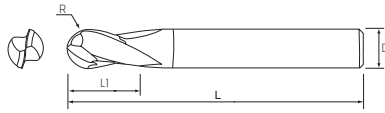
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
R0.25<D<R6	0 ~ -0.01
D>R6	0 ~ -0.015

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KPM-BRL 2 刃加长球刀 / 2 Flutes Length Ball End mills



Product model	Radius 半径 R	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-BRL-200100-L075-S04	R1	6	75	4
KPM-BRL-200100-L100-S06			100	6
KPM-BRL-200125-L075-S04	R1.25	7.5	75	4
KPM-BRL-200125-L100-S06			100	6
KPM-BRL-200150-L075-S04	R1.5	8	75	4
KPM-BRL-200150-L100-S06			100	6
KPM-BRL-200200-L075-S04	R2	8	75	4
KPM-BRL-200200-L100-S06			100	6
KPM-BRL-200250-L075-S06	R2.5	12	75	6
KPM-BRL-200250-L100-S06			100	
KPM-BRL-200300-L075-S06	R3	12	75	6
KPM-BRL-200300-L100-S06			100	
KPM-BRL-200300-L150-S06			150	
KPM-BRL-200400-L075-S08	R4	15	75	8
KPM-BRL-200400-L100-S08			100	
KPM-BRL-200400-L150-S08			150	
KPM-BRL-200500-L100-S10	R5	18	100	10
KPM-BRL-200500-L150-S10			150	
KPM-BRL-200500-L200-S10			200	
KPM-BRL-200600-L100-S12	R6	22	100	12
KPM-BRL-200600-L150-S12			150	
KPM-BRL-200600-L200-S12			200	
KPM-BRL-200800-L150-S16	R8	30	150	16
KPM-BRL-200800-L200-S16			200	
KPM-BRL-201000-L150-S20	R10	38	150	20
KPM-BRL-201000-L200-S20			200	
KPM-BRL-201250-L150-S25	R12.5	48	150	25
KPM-BRL-201250-L200-S25			200	

KPM Ball End Mills

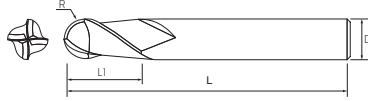
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
R0.25<D<R6	0 ~ -0.01
D>R6	0 ~ -0.015

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

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KPM-BR 4 刃球刀 / 4 Flutes Ball End mills



Product model	Radius 半径 R	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-BR-400200-S04	R2.0	8	50	4
KPM-BR-400200-S06				6
KPM-BR-400250-S06	R2.5	10	50	6
KPM-BR-400300-S06	R3.0	12	50	6
KPM-BR-400350-S08	R3.5	14	60	8
KPM-BR-400400-S08	R4.0	16	60	8
KPM-BR-400450-S10	R4.5	18	75	10
KPM-BR-400500-S10	R5.0	20	75	10
KPM-BR-400600-S12	R6.0	24	75	12
KPM-BR-400700-S14	R7.0	28	100	14
KPM-BR-400800-S16	R8	32	100	16
KPM-BR-401000-S20	R10	40	100	20

KPM Ball End Mills

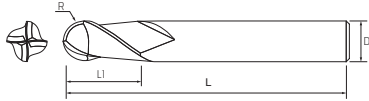
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
R0.25<D<R6	0 ~ -0.01
D>R6	0 ~ -0.015

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

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KPM-BRL 4 刃加长球刀 / 4 Flutes Length Ball End mills



Product model	Radius 半径 R	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-BRL-400200-L075-S04	R2	12	75	4
KPM-BRL-400200-L100-S06			100	6
KPM-BRL-400250-L075-S06	R2.5	15	75	6
KPM-BRL-400250-L100-S06			100	
KPM-BRL-400300-L075-S06	R3	18	75	
KPM-BRL-400300-L100-S06			100	
KPM-BRL-400300-L150-S06			150	
KPM-BRL-400400-L075-S08	R4	22	75	8
KPM-BRL-400400-L100-S08			100	
KPM-BRL-400400-L150-S08			150	
KPM-BRL-400500-L100-S10	R5	28	100	10
KPM-BRL-400500-L150-S10			150	
KPM-BRL-400500-L200-S10			200	
KPM-BRL-400600-L100-S12	R6	32	100	12
KPM-BRL-400600-L150-S12			150	
KPM-BRL-400600-L200-S12			200	
KPM-BRL-400800-L150-S16	R8	40	150	16
KPM-BRL-400800-L200-S16			200	
KPM-BRL-401000-L150-S20	R10	50	150	20
KPM-BRL-401000-L200-S20			200	
KPM-BRL-401250-L150-S25	R12.5	62	150	25
KPM-BRL-401250-L200-S25			200	

KPM Ball End Mills

KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-ED 2 刃端铣刀 / 2 Flutes End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-ED-200100-S04	1	2.5	50	4
KPM-ED-200100-S06				6
KPM-ED-200150-S04	1.5	3.5		4
KPM-ED-200150-S06				6
KPM-ED-200200-S04	2	5		4
KPM-ED-200200-S06				6
KPM-ED-200250-S04	2.5	6		4
KPM-ED-200250-S06				6
KPM-ED-200300-S04	3	7.5		4
KPM-ED-200300-S06				6
KPM-ED-200400-S04	4	10	4	
KPM-ED-200400-S06			6	
KPM-ED-200500-S06	5	12.5	60	6
KPM-ED-200600-S06	6	13		6
KPM-ED-200700-S08	7	18		8
KPM-ED-200800-S08	8			
KPM-ED-200900-S10	9	25		10
KPM-ED-201000-S10	10			
KPM-ED-201100-S12	11	25		12
KPM-ED-201200-S12	12			
KPM-ED-201400-S14	14	28		14
KPM-ED-201600-S16	16			
KPM-ED-202000-S20	20	32	16	
KPM-ED-202500-S25	25			
KPM-ED-202000-S20	20	40	20	
KPM-ED-202500-S25	25			
KPM-ED-202500-S25	25	40	100	25

KPM Ball End Mills

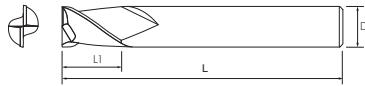
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-ED 2 刃加长端铣刀 / 2 Flutes Length End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EDL-200100-L075-S04	1	3	75	4
KPM-EDL-200100-L100-S06			100	6
KPM-EDL-200150-L075-S04	1.5	4.5	75	4
KPM-EDL-200150-L100-S06			100	6
KPM-EDL-200200-L075-S04	2	6	75	4
KPM-EDL-200200-L100-S06			100	6
KPM-EDL-200250-L075-S04	2.5	7.5	75	4
KPM-EDL-200250-L100-S06			100	6
KPM-EDL-200300-L075-S04	3	9	75	4
KPM-EDL-200300-L100-S06			100	6
KPM-EDL-200400-L075-S04	4	12	75	4
KPM-EDL-200400-L100-S06			100	6
KPM-EDL-200500-L075-S06	5	15	75	6
KPM-EDL-200500-L100-S06			100	
KPM-EDL-200600-L075-S06	6	18	75	6
KPM-EDL-200600-L100-S06			100	
KPM-EDL-200800-L075-S08	8	25	75	8
KPM-EDL-200800-L100-S08		30	100	
KPM-EDL-201000-L100-S10	10	30	100	10
KPM-EDL-201000-L150-S10		35	150	
KPM-EDL-201200-L100-S12	12	35	100	12
KPM-EDL-201200-L150-S12		40	150	
KPM-EDL-201600-L150-S16	16	50	150	16
KPM-EDL-201600-L200-S16		60	200	
KPM-EDL-202000-L150-S20	20	70	150	20
KPM-EDL-202000-L200-S20		80	200	
KPM-EDL-202500-L150-S25	25	80	150	25
KPM-EDL-202500-L200-S25		90	200	

KPM Ball End Mills

KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02



合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-

中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-ED 3 刃端铣刀 / 3 Flutes End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-ED-300300-S06	3	8	50	6
KPM-ED-300400-S06	4	10		
KPM-ED-300500-S06	5	12.5		
KPM-ED-300600-S06	6	15		
KPM-ED-300800-S08	8	20		
KPM-ED-301000-S10	10	25	75	10
KPM-ED-301200-S12	12	30	75	12
KPM-ED-301400-S14	14	35	100	14
KPM-ED-301600-S16	16	40	100	16
KPM-ED-301800-S18	20	50		20
KPM-ED-302500-S25	25			25

KPM Ball End Mills

KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-EDL 3 刃加长端铣刀 / 3 Flutes Length End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EDL-300300-L075-S04	3	10.5	75	4
KPM-EDL-300300-L100-S06			100	6
KPM-EDL-300400-L075-S04	4	14	75	4
KPM-EDL-300400-L100-S06			100	6
KPM-EDL-300500-L075-S06	5	17.5	75	
KPM-EDL-300500-L100-S06			100	
KPM-EDL-300600-L075-S06	6	21	75	
KPM-EDL-300600-L100-S06			100	
KPM-EDL-300800-L075-S08	8	28	75	8
KPM-EDL-300800-L100-S08			100	
KPM-EDL-301000-L100-S10	10	35	100	10
KPM-EDL-301000-L150-S10			150	
KPM-EDL-301200-L100-S12	12	40	100	12
KPM-EDL-301200-L150-S12			150	
KPM-EDL-301600-L150-S16	16	50	150	16
KPM-EDL-301600-L200-S16		75	200	
KPM-EDL-302000-L150-S20	20	60	150	20
KPM-EDL-302000-L200-S20		80	200	
KPM-EDL-302500-L150-S25	25	70	150	25
KPM-EDL-302500-L200-S25		80	200	

KPM Ball End Mills

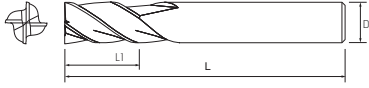
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

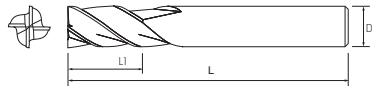
KSM-ED 4 刃端铣刀 / 4 Flutes End mills



	Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d	
KPM Ball End Mills	KPM-ED-400100-S04	1	2.5	50	4	
	KPM-ED-400100-S06				6	
	KPM-ED-400150-S04	2	4		4	
	KPM-ED-400150-S06				6	
	KPM-ED-400200-S04	2	6		4	
	KPM-ED-400200-S06				6	
	KPM-ED-400250-S04	3	6		4	
	KPM-ED-400250-S06				6	
KPM End Mills	KPM-ED-400300-S04	3	8	60	4	
	KPM-ED-400300-S06				6	
	KPM-ED-400400-S04	4	11		4	
	KPM-ED-400400-S06				6	
	KPM-ED-400500-S06	5	13		75	6
	KPM-ED-400600-S06	6	13			
	KPM-ED-400700-S08	7	16		100	8
	KPM-ED-400800-S08	8	20			
KPM Corner Radius	KPM-ED-400900-S10	9	22	75	10	
	KPM-ED-401000-S10	10	25			
	KPM-ED-401100-S12	11	25	100	12	
	KPM-ED-401200-S12	12	28			
	KPM-ED-401400-S14	14	35	100	14	
	KPM-ED-401600-S16	16	35		16	
	KPM-ED-402000-S20	20	40		20	
	KPM-ED-402500-S25	25	45		25	
KPM Other Product						

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

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- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-EDL 4 刃加长端铣刀 / 4 Flutes Length End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EDL-400200-L075-S04	2	7	75	4
KPM-EDL-400200-L100-S06			100	6
KPM-EDL-400250-L075-S04	3	9	75	4
KPM-EDL-400250-L100-S06			100	6
KPM-EDL-400300-L075-S04	3	11	75	4
KPM-EDL-400300-L100-S06			100	6
KPM-EDL-400400-L075-S04	4	14	75	4
KPM-EDL-400400-L100-S06			100	6
KPM-EDL-400500-L075-S06	5	18	75	6
KPM-EDL-400500-L100-S06			100	
KPM-EDL-400600-L075-S06	6	21	75	6
KPM-EDL-400600-L100-S06			100	
KPM-EDL-400800-L075-S08	8	28	75	8
KPM-EDL-400800-L100-S08			100	
KPM-EDL-401000-L100-S10	10	35	100	10
KPM-EDL-401000-L150-S10			150	
KPM-EDL-401200-L100-S12	12	40	100	12
KPM-EDL-401200-L150-S12			150	
KPM-EDL-401600-L150-S16	16	50	150	16
KPM-EDL-401600-L200-S16		60	200	
KPM-EDL-402000-L150-S20	20	60	150	20
KPM-EDL-402000-L200-S20		75	200	
KPM-EDL-402500-L150-S25	25	75	150	25

KPM Ball End Mills

KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02



合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-

中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
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- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
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- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-ED 6 刃端铣刀 / 6 Flutes End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-ED-600600-S06	6	18	60	6
KPM-ED-600800-S08	8	25		8
KPM-ED-601000-S10	10	30	75	10
KPM-ED-601200-S12	12	30	75	12
KPM-ED-601600-S16	16	50	100	16
KPM-ED-602000-S20	20	50		20
KPM-ED-602500-S25	25	60		25

KPM Ball End Mills

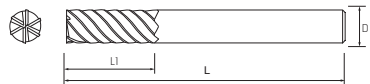
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

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KSM-EDL 6 刃加长端铣刀 / 6 Flutes Length End mills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EDL-600600-L075-S06	6	25	75	6
KPM-EDL-600600-L100-S06			100	
KPM-EDL-600800-L075-S08	8	30	75	8
KPM-EDL-600800-L100-S08			100	
KPM-EDL-601000-L100-S10	10	40	100	10
KPM-EDL-601000-L150-S10			150	
KPM-EDL-601200-L100-S12	12	50	100	12
KPM-EDL-601200-L150-S12			150	
KPM-EDL-601600-L150-S16	16	55	150	16
KPM-EDL-601600-L200-S16		70	200	
KPM-EDL-602000-L150-S20	20	70	150	20
KPM-EDL-602000-L200-S20		80	200	
KPM-EDL-602500-L150-S25	25	70	150	25

KPM Ball End Mills

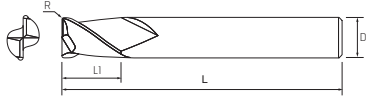
KPM End Mills

KPM Corner Rautius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
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Endmills for pre-hardened and hardened steel (HRC55)

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- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-CR 2 刃圆鼻铣刀 / 2 Flutes Corner Radius End Mills

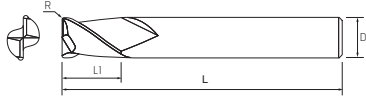


	Product model	直径 Diameter D	圆鼻 Corner Radius r	刃长 Length Of Cut L1	全长 Overall Length L	柄径 Shank Diameter d
KPM Ball End Mills	KPM-CR-200100-R01-S04	1	R0.1	2.5	50	4
	KPM-CR-200100-R02-S04	2	R0.2			
	KPM-CR-200150-R02-S04		R0.2	3.8		
	KPM-CR-200200-R01-S04	2	R0.1	5		
KPM-CR-200200-R02-S04	R0.2					
KPM-CR-200200-R03-S04	R0.3					
KPM-CR-200200-R05-S04	R0.5					
KPM End Mills	KPM-CR-200250-R01-S04	3	R0.1	6		
	KPM-CR-200250-R02-S04		R0.2			
	KPM-CR-200250-R03-S04		R0.3			
	KPM-CR-200250-R05-S04		R0.5			
	KPM-CR-200300-R01-S04	3	R0.1	7.5		
	KPM-CR-200300-R02-S04		R0.2			
KPM-CR-200300-R03-S04	R0.3					
KPM-CR-200300-R05-S04	R0.5					
KPM Corner Radius	KPM-CR-200300-R10-S04	4	R1.0	10		
	KPM-CR-200400-R01-S04		R0.1			
	KPM-CR-200400-R02-S04		R0.2			
	KPM-CR-200400-R03-S04		R0.3			
	KPM-CR-200400-R05-S04	R0.5				
	KPM-CR-200400-R10-S04	R1.0				
	KPM-CR-200500-R02-S06	5	R0.2	12		
	KPM-CR-200500-R03-S06		R0.3			
KPM-CR-200500-R05-S06	R0.5					
KPM-CR-200500-R10-S06	R1.0					
KPM Other Product	KPM-CR-200600-R02-S06	6	R0.2	13		
	KPM-CR-200600-R03-S06		R0.3			
	KPM-CR-200600-R05-S06		R0.5			
	KPM-CR-200600-R10-S06		R1.0			
	KPM-CR-200600-R15-S06	R1.5				
	KPM-CR-200600-R20-S06	R2.0				
	KPM-CR-200800-R02-S08	8	R0.2	16		
	KPM-CR-200800-R05-S08		R0.5			
	KPM-CR-200800-R10-S08		R1.0			
	KPM-CR-200800-R15-S08		R1.5			
KPM-CR-200800-R20-S08	R2.0					
KPM-CR-200800-R25-S08	R2.5					
KPM Other Product	KPM-CR-201000-R02-S10	10	R0.2	22		
	KPM-CR-201000-R05-S10		R0.5			
	KPM-CR-201000-R10-S10		R1.0			
	KPM-CR-201000-R15-S10		R1.5			
	KPM-CR-201000-R20-S10		R2.0			
	KPM-CR-201000-R25-S10		R2.5			

KPM-CR

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

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KSM-CR 2 刃圆鼻铣刀 / 2 Flutes Corner Radius End Mills



Product model	Diameter 直径 D	Corner Radius 圆鼻 r	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-CR-201200-R02-S12	12	R0.2	25	75	12
KPM-CR-201200-R05-S12		R0.5			
KPM-CR-201200-R10-S12		R1.0			
KPM-CR-201200-R15-S12		R1.5			
KPM-CR-201200-R20-S12		R2.0			
KPM-CR-201200-R25-S12		R2.5			
KPM-CR-201200-R30-S12		R3.0			
KPM-CR-201600-R02-S16	16	R0.2	40	100	16
KPM-CR-201600-R05-S16		R0.5			
KPM-CR-201600-R10-S16		R1.0			
KPM-CR-201600-R15-S16		R1.5			
KPM-CR-201600-R20-S16		R2.0			
KPM-CR-201600-R25-S16		R2.5			
KPM-CR-201600-R30-S16		R3.0			

KPM Ball End Mills

KPM End Mills

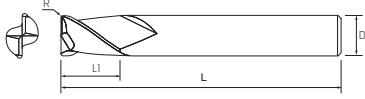
KPM Corner Radius

KPM Other Product

KPM-CRL

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

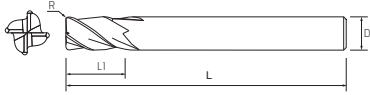
KSM-CR 2 刃加长圆鼻铣刀 / 2 Flutes Length Corner Radius End Mills



	Product model	Diameter 直径 D	Corner Radius 圆鼻 r	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d			
KPM Ball End Mills	KPM-CRL-200300-R02-L075-S06	3	R0.2	9	75	6			
	KPM-CRL-200300-R03-L075-S06		R0.3						
	KPM-CRL-200300-R05-L075-S06		R0.5						
	KPM-CRL-200300-R10-L075-S06		R1.0						
KPM End Mills	KPM-CRL-200400-R01-L075-S06	4	R0.1	12					
	KPM-CRL-200400-R02-L075-S06		R0.2						
	KPM-CRL-200400-R03-L075-S06		R0.3						
	KPM-CRL-200400-R05-L075-S06		R0.5						
	KPM-CRL-200400-R10-L075-S06		R1.0						
	KPM Corner Radius		KPM-CRL-200500-R02-L075-S06				5	R0.2	13
			KPM-CRL-200500-R03-L075-S06					R0.3	
			KPM-CRL-200500-R05-L075-S06					R0.5	
KPM-CRL-200500-R10-L075-S06		R1.0							
KPM Other Product		KPM-CRL-200600-R02-L075-S06	6	R0.2	13				
		KPM-CRL-200600-R03-L075-S06		R0.3					
		KPM-CRL-200600-R05-L075-S06		R0.5					
		KPM-CRL-200600-R10-L075-S06		R1.0					
	KPM-CRL-200600-R15-L075-S06	R1.5							
	KPM-CRL-200600-R20-L075-S06	R2.0							
	KPM-CRL-200800-R02-L100-S08	R0.2		20		75	8		
	KPM-CRL-200800-R05-L100-S08	R0.5							
KPM-CRL-200800-R10-L100-S08	R1.0								
KPM-CRL-200800-R15-L100-S08	R1.5								
KPM-CRL-200800-R20-L100-S08	R2.0								
KPM-CRL-200800-R25-L100-S08	R2.5								
KPM-CRL-201000-R02-L100-S10	R0.2	25	100		10				
KPM-CRL-201000-R05-L100-S10	R0.5								
KPM-CRL-201000-R10-L100-S10	R1.0								
KPM-CRL-201000-R15-L100-S10	R1.5								
KPM-CRL-201000-R20-L100-S10	R2.0								
KPM-CRL-201000-R25-L100-S10	R2.5								
KPM-CRL-201200-R02-L100-S12	R0.2			28		100	12		
KPM-CRL-201200-R05-L100-S12	R0.5								
KPM-CRL-201200-R10-L100-S12	R1.0								
KPM-CRL-201200-R15-L100-S12	R1.5								
KPM-CRL-201200-R20-L100-S12	R2.0								
KPM-CRL-201200-R25-L100-S12	R2.5								
KPM-CRL-201200-R30-L100-S12	R3.0								
KPM Other Product	KPM-CRL-201600-R05-L150-S16	16	R0.5		48			150	16
	KPM-CRL-201600-R10-L150-S16		R1.0						
	KPM-CRL-201600-R15-L150-S16		R1.5						
	KPM-CRL-201600-R20-L150-S16		R2.0						
	KPM-CRL-201600-R25-L150-S16		R2.5						
	KPM-CRL-201600-R30-L150-S16		R3.0						

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-CR/4 刃圆鼻铣刀 / 4 Flutes Corner Radius End Mills



Product model	Diameter 直径 D	Corner Radius 圆鼻 r	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-CR-400100-R01-S04	1	R0.1	2.5	50	4
KPM-CR-400100-R02-S04	2	R0.2			
KPM-CR-400150-R02-S04		5	R0.2		
KPM-CR-400200-R01-S04	R0.1				
KPM-CR-400200-R02-S04	R0.2				
KPM-CR-400200-R03-S04	R0.3				
KPM-CR-400200-R05-S04	R0.5				
KPM-CR-400250-R01-S04	3		R0.1		
KPM-CR-400250-R02-S04		R0.2			
KPM-CR-400250-R03-S04		R0.3			
KPM-CR-400250-R05-S04		R0.5			
KPM-CR-400300-R01-S04	3	R0.1			
KPM-CR-400300-R02-S04		R0.2			
KPM-CR-400300-R03-S04		R0.3			
KPM-CR-400300-R05-S04		R0.5			
KPM-CR-400300-R10-S04		R1.0			
KPM-CR-400400-R01-S04	4	R0.1			
KPM-CR-400400-R02-S04		R0.2			
KPM-CR-400400-R03-S04		R0.3			
KPM-CR-400400-R05-S04		R0.5			
KPM-CR-400400-R10-S04	5	R1.0			
KPM-CR-400500-R02-S06		R0.2			
KPM-CR-400500-R03-S06		R0.3			
KPM-CR-400500-R05-S06		R0.5			
KPM-CR-400500-R10-S06		R1.0			
KPM-CR-400600-R02-S06	6	R0.2			
KPM-CR-400600-R03-S06		R0.3			
KPM-CR-400600-R05-S06		R0.5			
KPM-CR-400600-R10-S06		R1.0			
KPM-CR-400600-R15-S06		R1.5			
KPM-CR-400600-R20-S06	8	R2.0			
KPM-CR-400800-R02-S08		R0.2			
KPM-CR-400800-R05-S08		R0.5			
KPM-CR-400800-R10-S08		R1.0			
KPM-CR-400800-R15-S08		R1.5			
KPM-CR-400800-R20-S08		R2.0			
KPM-CR-400800-R25-S08	R2.5				
KPM-CR-401000-R02-S10	10	R0.2			
KPM-CR-401000-R05-S10		R0.5			
KPM-CR-401000-R10-S10		R1.0			
KPM-CR-401000-R15-S10		R1.5			
KPM-CR-401000-R20-S10		R2.0			
KPM-CR-401000-R25-S10	R2.5				

KPM Ball End Mills

KPM End Mills

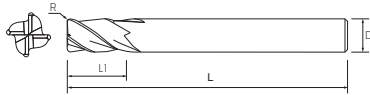
KPM Corner Radius

KPM Other Product

KPM-CR

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

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- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KSM-CR/4 刃圆鼻铣刀 / 4 Flutes Corner Radius End Mills



Product model	Diameter 直径 D	Corner Radius 圆鼻 r	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-CR-401200-R02-S12	12	R0.2	25	75	12
KPM-CR-401200-R05-S12		R0.5			
KPM-CR-401200-R10-S12		R1.0			
KPM-CR-401200-R15-S12		R1.5			
KPM-CR-401200-R20-S12		R2.0			
KPM-CR-401200-R25-S12		R2.5			
KPM-CR-401200-R30-S12		R3.0			
KPM-CR-401600-R02-S16	16	R0.2	40	100	16
KPM-CR-401600-R05-S16		R0.5			
KPM-CR-401600-R10-S16		R1.0			
KPM-CR-401600-R15-S16		R1.5			
KPM-CR-401600-R20-S16		R2.0			
KPM-CR-401600-R25-S16		R2.5			
KPM-CR-401600-R30-S16	R3.0				

KPM Ball End Mills

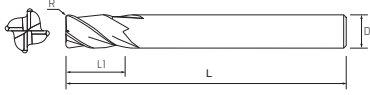
KPM End Mills

KPM Corner Radius

KPM Other Product

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
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KSM-CR 4 刃加长圆鼻铣刀 / 4 Flutes Length Corner Radius End Mills



Product model	Diameter 直径 D	Corner Radius 圆鼻 r	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d				
KPM-CRL-400300-R02-L075-S06	3	R0.2	9	75	6				
KPM-CRL-400300-R03-L075-S06		R0.3							
KPM-CRL-400300-R05-L075-S06		R0.5							
KPM-CRL-400300-R10-L075-S06		R1.0							
KPM-CRL-400400-R01-L075-S06	4	R0.1	12			75	6		
KPM-CRL-400400-R02-L075-S06		R0.2							
KPM-CRL-400400-R03-L075-S06		R0.3							
KPM-CRL-400400-R05-L075-S06		R0.5							
KPM-CRL-400400-R10-L075-S06	R1.0								
KPM-CRL-400500-R02-L075-S06	5	R0.2	13					75	6
KPM-CRL-400500-R03-L075-S06		R0.3							
KPM-CRL-400500-R05-L075-S06		R0.5							
KPM-CRL-400500-R10-L075-S06		R1.0							
KPM-CRL-400600-R02-L075-S06	6	R0.2	13	75	6				
KPM-CRL-400600-R03-L075-S06		R0.3							
KPM-CRL-400600-R05-L075-S06		R0.5							
KPM-CRL-400600-R10-L075-S06		R1.0							
KPM-CRL-400600-R15-L075-S06		R1.5							
KPM-CRL-400600-R20-L075-S06		R2.0							
KPM-CRL-400800-R02-L100-S08	8	R0.2	20			75	8		
KPM-CRL-400800-R05-L100-S08		R0.5							
KPM-CRL-400800-R10-L100-S08		R1.0							
KPM-CRL-400800-R15-L100-S08		R1.5							
KPM-CRL-400800-R20-L100-S08		R2.0							
KPM-CRL-400800-R25-L100-S08		R2.5							
KPM-CRL-401000-R02-L100-S10	10	R0.2	25	100	10				
KPM-CRL-401000-R05-L100-S10		R0.5							
KPM-CRL-401000-R10-L100-S10		R1.0							
KPM-CRL-401000-R15-L100-S10		R1.5							
KPM-CRL-401000-R20-L100-S10		R2.0							
KPM-CRL-401000-R25-L100-S10		R2.5							
KPM-CRL-401200-R02-L100-S12	12	R0.2	28			100	12		
KPM-CRL-401200-R05-L100-S12		R0.5							
KPM-CRL-401200-R10-L100-S12		R1.0							
KPM-CRL-401200-R15-L100-S12		R1.5							
KPM-CRL-401200-R20-L100-S12		R2.0							
KPM-CRL-401200-R25-L100-S12		R2.5							
KPM-CRL-401200-R30-L100-S12	R3.0								
KPM-CRL-401600-R05-L150-S16	16	R0.5	48	150	16				
KPM-CRL-401600-R10-L150-S16		R1.0							
KPM-CRL-401600-R15-L150-S16		R1.5							
KPM-CRL-401600-R20-L150-S16		R2.0							
KPM-CRL-401600-R25-L150-S16		R2.5							
KPM-CRL-401600-R30-L150-S16		R3.0							

KPM Ball End Mills

KPM End Mills

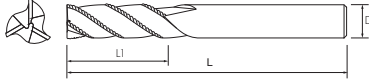
KPM Corner Radius

KPM Other Product

KPM-EH

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KPM-3EH 3 刃粗铣刀 / 3 Flutes Roughing Endmills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EH-300600-S06	6	15	60	6
KPM-EH-300800-S08	8	20	75	8
KPM-EH-301000-S10	10	25	75	10
KPM-EH-301200-S12	12	30	75	12
KPM-EH-301600-S16	16	40	100	16
KPM-EH-302000-S20	20	50	100	20

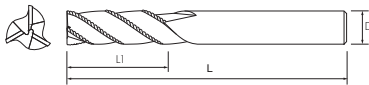
KPM Ball End Mills

KPM End Mills

KPM-EHL

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02

合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-



中硬度钢 (HRC55)

- 含硅涂层处理, 耐磨性极佳。
- 高精度公差控制, 适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm), 高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

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KPM-3EHL 3 刃加长粗铣刀 / 3 Flutes Roughing Length Endmills



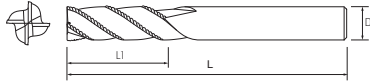
Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EHL-300600-L075-S06	6	20	75	6
KPM-EHL-300800-L100-S08	8	28	100	8
KPM-EHL-301000-L100-S10	10	35	100	10
KPM-EHL-301200-L100-S12	12	42	100	12
KPM-EHL-301600-L150-S16	16	55	150	16
KPM-EHL-302000-L200-S20	20	70	150	20

KPM Corner Radius

KPM Other Product

KPM-EH

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02



合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-

中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

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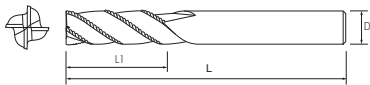
KPM-4EH 4 刃粗铣刀 / 4 Flutes Roughing Endmills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EH-400600-S06	6	15	60	6
KPM-EH-400800-S08	8	20	75	8
KPM-EH-401000-S10	10	25	75	10
KPM-EH-401200-S12	12	30	75	12
KPM-EH-401600-S16	16	40	100	16
KPM-EH-402000-S20	20	50	100	20

KPM-EH

直径 Diameter D (mm)	公差 Tolerance(mm)
0.5<D<6.00	0 ~ - 0.01
6.0<D<12.00	0 ~ - 0.015
D>12.00	0 ~ - 0.02



合金钢 Alloy Steel	中硬度钢 M-Hardness Steel	高硬度钢 H-Hardness Steel	不锈钢 Stainless Steel	铝合金 Aluminium Alloy	石墨 Graphite
●	●	-	○	○	-

中硬度钢 (HRC55)

- 含硅涂层处理，耐磨性极佳。
- 高精度公差控制，适合超精密加工。
- 卓越的刃部光洁度使被加工材料的表面光洁度非常优秀。
- 采用超微粒子超硬合金 (0.2~0.3μm)，高速加工时发挥出色性能。

Endmills for pre-hardened and hardened steel (HRC55)

- Good wear resistance by TISIN coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2~0.3μm) WC grade.

KPM-4EHL 4 刃加长粗铣刀 / 4 Flutes Roughing Length Endmills



Product model	Diameter 直径 D	Length Of Cut 刃长 L1	Overall Length 全长 L	Shank Diameter 柄径 d
KPM-EHL-400600-L075-S06	6	20	75	6
KPM-EHL-400800-L100-S08	8	28	100	8
KPM-EHL-401000-L100-S10	10	35	100	10
KPM-EHL-401200-L100-S12	12	42	100	12
KPM-EHL-401600-L150-S16	16	55	150	16
KPM-EHL-402000-L200-S20	20	70	150	20

产品编码说明 / Product code description

KPM - ED - 200100 - R05 - N20 - L75 - S04

FLUTES	
200050	20: 2 刃 (2 Flutes) / 0050: 0.5mm
400100	40: 4 刃 (4 Flutes) / 0100: 1.0mm
601200	60: 6 刃 (6 Flutes) / 1200: 12.0mm

OTHER	
R:	圆鼻 Corner Radius
N:	有效长 Effective Length
L:	全长 Overall Length
S:	柄径 Shank Dia
R05	圆鼻 R0.5mm Corner Radius R0.5mm
N20	深沟 20mm Effective Length 35mm
L75	全长 75mm Overall Length 75mm
S04	柄径 4.0mm Shank Dia 4.0mm

TYPE	
ED	平刀 End Mills
EDL	加长平刀 Length End Mills
EDN	深沟平刀 Rib End Mills
BR	球刀 Ball End Mills
BRL	加长球刀 Length Ball End Mills
BRN	深沟球刀 Rib Ball End Mills
CR	圆鼻刀 Corner Radius End Mills
CRL	加长圆鼻刀 Length Corner Radius End Mills
CRN	深沟圆鼻刀 Length Corner Radius End Mills

PRODUCT SERIES	
KPM	HRC55 高效高速铣刀 HRC55 High Efficiency High Speed End Mills
KHM	HRC60 高速高硬铣刀 HRC60 High Speed High Hard End Mills
KSM	不锈钢专用铣刀 Stainless Steel Special End Mills
KAM	铝专用铣刀 Aluminum End Mills
KDM	石墨铣刀 Graphite End Mills
SPM	HRC55 微径深沟铣刀 HRC55 Micro Rib End Mills
SHM	HRC65 微径深沟铣刀 HRC65 Micro Rib End Mills

KAM



KAM 系列刀具
高光铝合金刀具
KAM series
High light aluminum alloy tool



欧思克切削技术有限公司
OSK Cutting Technology Co., Ltd.

SPM



SPM 系列刀具
微径深沟刀具
SPM series
Micro Rib End mills



欧思克切削技术有限公司
OSK Cutting Technology Co., Ltd.

KSM



KSM 系列刀具
不锈钢刀具
KSM series
Stainless End Mills



欧思克切削技术有限公司
OSK Cutting Technology Co., Ltd.

KDM



KDM 系列刀具
石墨刀具
KDM series
Graphite End Mills



欧思克切削技术有限公司
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