

KKC-4

超硬キーシードカッター Tungsten Carbide Keysead Cutter

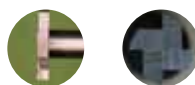
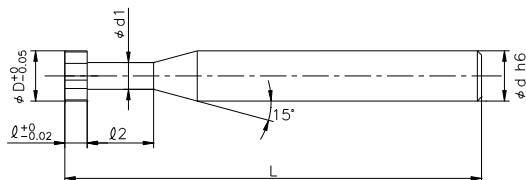
- 刃径φ0.5～φ12まで取り揃えました
Blade diameters from φ0.5 to φ12 are available
- 刃厚0.1～6mmまで幅広くラインナップしました
A wide range of blade thicknesses from 0.1 mm to 6 mm are available
- 深溝加工向けに首径を細く設定しました
Narrow neck diameter for deep groove machining



被削材 Workpiece					
一般構造鋼 General Structural Steel	炭素鋼 Carbon Steel	合金鋼・工具鋼 Alloy Steel Tool Steel	プリハードン鋼 Pre-Harden Steel	鋳鉄 Cast Iron	アルミ合金 Aluminum Alloy
○	○	○	○	○	○

- 切削条件表はP249に記載
Cutting conditions are recommended on page 249.

品番 Code No.	刃径D Flute Diameter	刃厚ℓ1 Blade Thickness	首径d1 Neck Diameter	首長ℓ2 Neck Length	全長L Total Length	柄径d Shank Diameter
KKC-400501010	0.5	0.1	0.27	1	50	3
KKC-400501020	0.5	0.1	0.27	2	50	3
KKC-400502010	0.5	0.2	0.27	1	50	3
KKC-400502020	0.5	0.2	0.27	2	50	3
KKC-400503010	0.5	0.3	0.27	1	50	3
KKC-400503020	0.5	0.3	0.27	2	50	3
KKC-400504010	0.5	0.4	0.27	1	50	3
KKC-400504020	0.5	0.4	0.27	2	50	3
KKC-400505010	0.5	0.5	0.27	1	50	3
KKC-400505020	0.5	0.5	0.27	2	50	3
KKC-400506010	0.5	0.6	0.27	1	50	3
KKC-400506020	0.5	0.6	0.27	2	50	3
KKC-400507010	0.5	0.7	0.27	1	50	3
KKC-400507020	0.5	0.7	0.27	2	50	3
KKC-400508010	0.5	0.8	0.27	1	50	3
KKC-400508020	0.5	0.8	0.27	2	50	3
KKC-400509010	0.5	0.9	0.27	1	50	3
KKC-400509020	0.5	0.9	0.27	2	50	3
KKC-400510010	0.5	1	0.27	1	50	3
KKC-400510020	0.5	1	0.27	2	50	3
KKC-400602012	0.6	0.2	0.35	1.2	50	3
KKC-400602024	0.6	0.2	0.35	2.4	50	3
KKC-400603012	0.6	0.3	0.35	1.2	50	3
KKC-400603024	0.6	0.3	0.35	2.4	50	3
KKC-400604012	0.6	0.4	0.35	1.2	50	3
KKC-400604024	0.6	0.4	0.35	2.4	50	3
KKC-400605012	0.6	0.5	0.35	1.2	50	3
KKC-400605024	0.6	0.5	0.35	2.4	50	3
KKC-400606012	0.6	0.6	0.35	1.2	50	3
KKC-400606024	0.6	0.6	0.35	2.4	50	3



単位[寸法:mm]
Unit [size:mm]

品番 Code No.	刃径D Flute Diameter	刃厚ℓ1 Blade Thickness	首径d1 Neck Diameter	首長ℓ2 Neck Length	全長L Total Length	柄径d Shank Diameter
KKC-400607012	0.6	0.7	0.35	1.2	50	3
KKC-400607024	0.6	0.7	0.35	2.4	50	3
KKC-400608012	0.6	0.8	0.35	1.2	50	3
KKC-400608024	0.6	0.8	0.35	2.4	50	3
KKC-400609012	0.6	0.9	0.35	1.2	50	3
KKC-400609024	0.6	0.9	0.35	2.4	50	3
KKC-400610012	0.6	1	0.35	1.2	50	3
KKC-400610024	0.6	1	0.35	2.4	50	3
KKC-400802016	0.8	0.2	0.45	1.6	50	3
KKC-400802032	0.8	0.2	0.45	3.2	50	3
KKC-400803016	0.8	0.3	0.45	1.6	50	3
KKC-400803032	0.8	0.3	0.45	3.2	50	3
KKC-400804016	0.8	0.4	0.45	1.6	50	3
KKC-400804032	0.8	0.4	0.45	3.2	50	3
KKC-400805016	0.8	0.5	0.45	1.6	50	3
KKC-400805032	0.8	0.5	0.45	3.2	50	3
KKC-400806016	0.8	0.6	0.45	1.6	50	3
KKC-400806032	0.8	0.6	0.45	3.2	50	3
KKC-400807016	0.8	0.7	0.45	1.6	50	3
KKC-400807032	0.8	0.7	0.45	3.2	50	3
KKC-400808016	0.8	0.8	0.45	1.6	50	3
KKC-400808032	0.8	0.8	0.45	3.2	50	3
KKC-400809016	0.8	0.9	0.45	1.6	50	3
KKC-400809032	0.8	0.9	0.45	3.2	50	3
KKC-400810016	0.8	1	0.45	1.6	50	3
KKC-400810032	0.8	1	0.45	3.2	50	3
KKC-401002020	1	0.2	0.55	2	50	3
KKC-401002040	1	0.2	0.55	4	50	3
KKC-401003020	1	0.3	0.55	2	50	3
KKC-401003040	1	0.3	0.55	4	50	3

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品番 Code No.	刃径 D Flute Diameter	刃厚 ℓ1 Blade Thickness	首径 d1 Neck Diameter	首長 ℓ2 Neck Length	全長 L Total Length	柄径 d Shank Diameter
KKC-401004020	1	0.4	0.55	2	50	3
KKC-401004040	1	0.4	0.55	4	50	3
KKC-401005020	1	0.5	0.55	2	50	3
KKC-401005040	1	0.5	0.55	4	50	3
KKC-401006020	1	0.6	0.55	2	50	3
KKC-401006040	1	0.6	0.55	4	50	3
KKC-401007020	1	0.7	0.55	2	50	3
KKC-401007040	1	0.7	0.55	4	50	3
KKC-401008020	1	0.8	0.55	2	50	3
KKC-401008040	1	0.8	0.55	4	50	3
KKC-401009020	1	0.9	0.55	2	50	3
KKC-401009040	1	0.9	0.55	4	50	3
KKC-401010020	1	1	0.55	2	50	3
KKC-401010040	1	1	0.55	4	50	3
KKC-401202024	1.2	0.2	0.65	2.4	50	3
KKC-401202050	1.2	0.2	0.65	5	50	3
KKC-401203024	1.2	0.3	0.65	2.4	50	3
KKC-401203050	1.2	0.3	0.65	5	50	3
KKC-401204024	1.2	0.4	0.65	2.4	50	3
KKC-401204050	1.2	0.4	0.65	5	50	3
KKC-401205024	1.2	0.5	0.65	2.4	50	3
KKC-401205050	1.2	0.5	0.65	5	50	3
KKC-401206024	1.2	0.6	0.65	2.4	50	3
KKC-401206050	1.2	0.6	0.65	5	50	3
KKC-401207024	1.2	0.7	0.65	2.4	50	3
KKC-401207050	1.2	0.7	0.65	5	50	3
KKC-401208024	1.2	0.8	0.65	2.4	50	3
KKC-401208050	1.2	0.8	0.65	5	50	3
KKC-401209024	1.2	0.9	0.65	2.4	50	3
KKC-401209050	1.2	0.9	0.65	5	50	3
KKC-401210024	1.2	1	0.65	2.4	50	3
KKC-401210050	1.2	1	0.65	5	50	3
KKC-401502030	1.5	0.2	0.8	3	50	3
KKC-401502060	1.5	0.2	0.8	6	50	3
KKC-401503030	1.5	0.3	0.8	3	50	3
KKC-401503060	1.5	0.3	0.8	6	50	3
KKC-401504030	1.5	0.4	0.8	3	50	3
KKC-401504060	1.5	0.4	0.8	6	50	3
KKC-401505030	1.5	0.5	0.8	3	50	3
KKC-401505060	1.5	0.5	0.8	6	50	3
KKC-401506030	1.5	0.6	0.8	3	50	3
KKC-401506060	1.5	0.6	0.8	6	50	3
KKC-401507030	1.5	0.7	0.8	3	50	3
KKC-401507060	1.5	0.7	0.8	6	50	3
KKC-401508030	1.5	0.8	0.8	3	50	3
KKC-401508060	1.5	0.8	0.8	6	50	3
KKC-401509030	1.5	0.9	0.8	3	50	3
KKC-401509060	1.5	0.9	0.8	6	50	3

品番 Code No.	刃径 D Flute Diameter	刃厚 ℓ1 Blade Thickness	首径 d1 Neck Diameter	首長 ℓ2 Neck Length	全長 L Total Length	柄径 d Shank Diameter
KKC-401510030	1.5	1	0.8	3	50	3
KKC-401510060	1.5	1	0.8	6	50	3
KKC-402002040	2	0.2	1	4	50	3
KKC-402002080	2	0.2	1	8	50	3
KKC-402003040	2	0.3	1	4	50	3
KKC-402003080	2	0.3	1	8	50	3
KKC-402004040	2	0.4	1	4	50	3
KKC-402004080	2	0.4	1	8	50	3
KKC-402005040	2	0.5	1	4	50	3
KKC-402005080	2	0.5	1	8	50	3
KKC-402006040	2	0.6	1	4	50	3
KKC-402006080	2	0.6	1	8	50	3
KKC-402008040	2	0.8	1	4	50	3
KKC-402008080	2	0.8	1	8	50	3
KKC-402010040	2	1	1	4	50	3
KKC-402010080	2	1	1	8	50	3
KKC-403003050	3	0.3	1.2	5	50	3
KKC-403003100	3	0.3	1.2	10	50	3
KKC-403004050	3	0.4	1.2	5	50	3
KKC-403004100	3	0.4	1.2	10	50	3
KKC-403005050	3	0.5	1.2	5	50	3
KKC-403005100	3	0.5	1.2	10	50	3
KKC-403006050	3	0.6	1.2	5	50	3
KKC-403006100	3	0.6	1.2	10	50	3
KKC-403008050	3	0.8	1.2	5	50	3
KKC-403008100	3	0.8	1.2	10	50	3
KKC-403010050	3	1	1.2	5	50	3
KKC-403010100	3	1	1.2	10	50	3
KKC-403015050	3	1.5	1.2	5	50	3
KKC-403015100	3	1.5	1.2	10	50	3
KKC-403020050	3	2	1.2	5	50	3
KKC-403020100	3	2	1.2	10	50	3
KKC-404003060	4	0.3	1.5	6	60	4
KKC-404003120	4	0.3	1.5	12	60	4
KKC-404004060	4	0.4	1.5	6	60	4
KKC-404004120	4	0.4	1.5	12	60	4
KKC-404005060	4	0.5	1.5	6	60	4
KKC-404005120	4	0.5	1.5	12	60	4
KKC-404006060	4	0.6	1.5	6	60	4
KKC-404006120	4	0.6	1.5	12	60	4
KKC-404008060	4	0.8	1.5	6	60	4
KKC-404008120	4	0.8	1.5	12	60	4
KKC-404010060	4	1	1.5	6	60	4
KKC-404010120	4	1	1.5	12	60	4
KKC-404015060	4	1.5	1.5	6	60	4
KKC-404015120	4	1.5	1.5	12	60	4
KKC-404020060	4	2	1.5	6	60	4
KKC-404020120	4	2	1.5	12	60	4

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品番 Code No.	刃径 D Flute Diameter	刃厚 ℓ1 Blade Thickness	首径 d1 Neck Diameter	首長 ℓ2 Neck Length	全長 L Total Length	柄径 d Shank Diameter
KKC-405003070	5	0.3	2	7	60	6
KKC-405003150	5	0.3	2	15	60	6
KKC-405004070	5	0.4	2	7	60	6
KKC-405004150	5	0.4	2	15	60	6
KKC-405005070	5	0.5	2	7	60	6
KKC-405005150	5	0.5	2	15	60	6
KKC-405006070	5	0.6	2	7	60	6
KKC-405006150	5	0.6	2	15	60	6
KKC-405008070	5	0.8	2	7	60	6
KKC-405008150	5	0.8	2	15	60	6
KKC-405010070	5	1	2	7	60	6
KKC-405010150	5	1	2	15	60	6
KKC-405015070	5	1.5	2	7	60	6
KKC-405015150	5	1.5	2	15	60	6
KKC-405020070	5	2	2	7	60	6
KKC-405020150	5	2	2	15	60	6
KKC-406003070	6	0.3	2.4	7	60	6
KKC-406003150	6	0.3	2.4	15	60	6
KKC-406004070	6	0.4	2.4	7	60	6
KKC-406004150	6	0.4	2.4	15	60	6
KKC-406005070	6	0.5	2.4	7	60	6
KKC-406005150	6	0.5	2.4	15	60	6
KKC-406006070	6	0.6	2.4	7	60	6
KKC-406006150	6	0.6	2.4	15	60	6
KKC-406008070	6	0.8	2.4	7	60	6
KKC-406008150	6	0.8	2.4	15	60	6
KKC-406010070	6	1	2.4	7	60	6
KKC-406010150	6	1	2.4	15	60	6
KKC-406015070	6	1.5	2.4	7	60	6
KKC-406015150	6	1.5	2.4	15	60	6
KKC-406020070	6	2	2.4	7	60	6
KKC-406020150	6	2	2.4	15	60	6
KKC-406030070	6	3	2.4	7	60	6
KKC-406030150	6	3	2.4	15	60	6
KKC-408003080	8	0.3	3	8	70	8
KKC-408003160	8	0.3	3	16	70	8
KKC-408004080	8	0.4	3	8	70	8
KKC-408004160	8	0.4	3	16	70	8
KKC-408005080	8	0.5	3	8	70	8
KKC-408005160	8	0.5	3	16	70	8
KKC-408006080	8	0.6	3	8	70	8
KKC-408006160	8	0.6	3	16	70	8
KKC-408008080	8	0.8	3	8	70	8
KKC-408008160	8	0.8	3	16	70	8
KKC-408010080	8	1	3	8	70	8
KKC-408010160	8	1	3	16	70	8
KKC-408015080	8	1.5	3	8	70	8
KKC-408015160	8	1.5	3	16	70	8

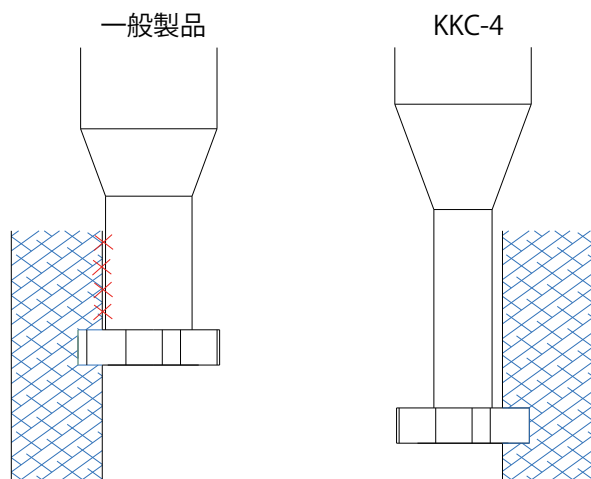
品番 Code No.	刃径 D Flute Diameter	刃厚 ℓ1 Blade Thickness	首径 d1 Neck Diameter	首長 ℓ2 Neck Length	全長 L Total Length	柄径 d Shank Diameter
KKC-408020080	8	2	3	8	70	8
KKC-408020160	8	2	3	16	70	8
KKC-408030080	8	3	3	8	70	8
KKC-408030160	8	3	3	16	70	8
KKC-408040080	8	4	3	8	70	8
KKC-408040160	8	4	3	16	70	8
KKC-410003100	10	0.3	3.5	10	80	10
KKC-410003200	10	0.3	3.5	20	80	10
KKC-410004100	10	0.4	3.5	10	80	10
KKC-410004200	10	0.4	3.5	20	80	10
KKC-410005100	10	0.5	3.5	10	80	10
KKC-410005200	10	0.5	3.5	20	80	10
KKC-410006100	10	0.6	3.5	10	80	10
KKC-410006200	10	0.6	3.5	20	80	10
KKC-410008100	10	0.8	3.5	10	80	10
KKC-410008200	10	0.8	3.5	20	80	10
KKC-410010100	10	1	3.5	10	80	10
KKC-410010200	10	1	3.5	20	80	10
KKC-410015100	10	1.5	3.5	10	80	10
KKC-410015200	10	1.5	3.5	20	80	10
KKC-410020100	10	2	3.5	10	80	10
KKC-410020200	10	2	3.5	20	80	10
KKC-410030100	10	3	3.5	10	80	10
KKC-410030200	10	3	3.5	20	80	10
KKC-410040100	10	4	3.5	10	80	10
KKC-410040200	10	4	3.5	20	80	10
KKC-410005100	10	5	3.5	10	80	10
KKC-410005200	10	5	3.5	20	80	10
KKC-412003120	12	0.3	4	12	80	12
KKC-412003240	12	0.3	4	24	80	12
KKC-412004120	12	0.4	4	12	80	12
KKC-412004240	12	0.4	4	24	80	12
KKC-412005120	12	0.5	4	12	80	12
KKC-412005240	12	0.5	4	24	80	12
KKC-412006120	12	0.6	4	12	80	12
KKC-412006240	12	0.6	4	24	80	12
KKC-412008120	12	0.8	4	12	80	12
KKC-412008240	12	0.8	4	24	80	12
KKC-412010120	12	1	4	12	80	12
KKC-412010240	12	1	4	24	80	12
KKC-412015120	12	1.5	4	12	80	12
KKC-412015240	12	1.5	4	24	80	12
KKC-412020120	12	2	4	12	80	12
KKC-412020240	12	2	4	24	80	12
KKC-412030120	12	3	4	12	80	12
KKC-412030240	12	3	4	24	80	12
KKC-412040120	12	4	4	12	80	12
KKC-412040240	12	4	4	24	80	12

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[illegible][illegible]

超硬力ツタ―

Carbide



POINT

- 一般製品より、深位置の溝加工が可能
- 一般製品より、深溝の加工が可能

KKC-4、KKCCR-4

切削条件参考

Referential Cutting Conditions

被削材 Workpiece	炭素鋼・一般構造用鋼 Carbon Steel・ General Structural Steel S55C・SS材		合金鋼・工具鋼 Alloy Steel・Tool Steel SCM・SKT・SKS・SKD		プリハードン鋼 Pre-Harden Steel HPM-1・NAK55・SKT	
切削速度 Cutting Speed	20m/min		20m/min		20m/min	
加工深さ Machining Depth	0.1D		0.1D		0.1D	
刃 径 Flute Diameter mm	回転数 Revolution min ⁻¹	送り速度 Feed mm/min	回転数 Revolution min ⁻¹	送り速度 Feed mm/min	回転数 Revolution min ⁻¹	送り速度 Feed mm/min
0.5	12,800	240	12,700	142	12,700	142
0.6	10,600	200	10,600	120	10,600	120
0.8	7,960	150	7,900	88	7,900	88
1	6,300	155	6,300	95	6,300	95
2	3,180	120	3,100	70	3,100	70
3	2,120	120	2,100	70	2,100	70
4	1,590	120	1,500	67	1,500	67
5	1,270	95	1,200	54	1,200	54
6	1,060	80	1,060	47	1,060	47
8	800	60	800	47	800	47
10	640	60	650	47	650	47
12	530	50	550	35	550	35

被削材 Workpiece	アルミニウム合金 Aluminum Alloy ADC・AC		樹 脂 Resin			
切削速度 Cutting Speed	45m/min		45m/min			
加工深さ Machining Depth	0.25D		0.25D			
刃 径 Flute Diameter mm	回転数 Revolution min ⁻¹	送り速度 Feed mm/min	回転数 Revolution min ⁻¹	送り速度 Feed mm/min		
0.5	20,000	450	20,000	525		
0.6	20,000	450	20,000	525		
0.8	15,000	330	18,000	470		
1	12,000	360	14,000	490		
2	6,300	280	7,200	380		
3	4,200	280	4,800	380		
4	3,100	280	3,600	380		
5	2,500	225	2,900	300		
6	2,100	190	2,400	250		
8	1,500	135	1,800	190		
10	1,200	135	1,400	190		
12	1,060	115	1,200	160		

備 考 Remarks	・回転数と送り速度は同じ割合で調整して下さい。・Adjust Revolution and Feed Speed at the same rate. ・切削油を使用して下さい。・Use Cutting Oil.					
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