

KOKA



Premium Carbide Plotter Blade

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Feb 2008

Lotchware Equipment Supply

9B, 9/F, Block I, KF Garden

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KOKA Premium Carbide Plotter Blade - 5pcs./box

Code	Brand	Type	Label	Cutting Angle	Offset mm	Model / Series	Factory P/N	Packing	Retail USD/Box	Dealer USD/Box
(100% compatible by Type)										
1101	KOKA	Type-A	Roland	30°	0.25	CAMM, CM, CX, PNC	/	5pcs./box	78.00	26.00
1102	KOKA	Type-A	Roland	45°	0.25	CAMM, CM, CX, PNC	ZECU-1001 / 3050	5pcs./box	78.00	26.00
1103	KOKA	Type-A	Roland	60°	0.25	CAMM, CM, CX, PNC	ZECU-1715	5pcs./box	78.00	26.00
1104	KOKA	Type-A	Roland	*45°H	0.50	CAMM, CM, CX, PNC	ZECU-5025	5pcs./box	78.00	26.00
1105	KOKA	Type-A	SignPal GCC	30°	0.25	All Machines	/	5pcs./box	78.00	26.00
1106	KOKA	Type-A	SignPal GCC	45°	0.25	All Machines	/	5pcs./box	78.00	26.00
1107	KOKA	Type-A	SignPal GCC	60°	0.25	All Machines	/	5pcs./box	78.00	26.00
1108	KOKA	Type-A	SignPal GCC	*45°H	0.50	All Machines	/	5pcs./box	78.00	26.00
1109	KOKA	Type-B	Mimaki	30°	0.30	CG Series	SPB-0003	5pcs./box	96.00	32.00
1110	KOKA	Type-B	Mimaki	45°	0.30	CG Series	SPB-0001	5pcs./box	96.00	32.00
1111	KOKA	Type-B	Mimaki	60°	0.30	CG Series	SPB-0006 / 07	5pcs./box	96.00	32.00
1112	KOKA	Type-B	NewStar DGI	30°	0.30	OMEGA Series	OME-015	5pcs./box	96.00	32.00
1113	KOKA	Type-B	NewStar DGI	45°	0.30	OMEGA Series	OME-030	5pcs./box	96.00	32.00
1114	KOKA	Type-B	NewStar DGI	60°	0.30	OMEGA Series	OME-075	5pcs./box	96.00	32.00
1115	KOKA	Type-B	Gerber(Round)	30°	0.30	Envision, Embrosstrack	/	5pcs./box	96.00	32.00
1116	KOKA	Type-B	Gerber(Round)	45°	0.30	Envision, Embrosstrack	/	5pcs./box	96.00	32.00
1117	KOKA	Type-B	Gerber(Round)	60°	0.30	Envision, Embrosstrack	/	5pcs./box	96.00	32.00
1118	KOKA	Type-B	Mutoh	30°	0.30	XP & MC Series	/	5pcs./box	96.00	32.00
1119	KOKA	Type-B	Mutoh	45°	0.30	XP & MC Series	/	5pcs./box	96.00	32.00
1120	KOKA	Type-B	Mutoh	60°	0.30	XP & MC Series	/	5pcs./box	96.00	32.00
1121	KOKA	Type-C	ANAGraph**	45°	0.25	Express, Elite Series	/	5pcs./box	123.00	41.00
1122	KOKA	Type-C	ANAGraph**	60°	0.25	Express, Elite Series	/	5pcs./box	123.00	41.00
1123	KOKA	Type-D	IOLine**	45°	0.40	Studio Series	/	5pcs./box	96.00	32.00
1124	KOKA	Type-D	IOLine**	60°	0.40	Studio Series	/	5pcs./box	96.00	32.00
1125	KOKA	Type-E	Graphtec**	45°	0.45	CE, FC, NovaCut	CB09U	5pcs./box	123.00	41.00
1126	KOKA	Type-E	Graphtec**	60°	0.45	CE, FC, NovaCut	CB09U	5pcs./box	123.00	41.00
1127	KOKA	Type-F	Summa D	45°	0.40	D Series	391-360	5pcs./box	96.00	32.00
1128	KOKA	Type-F	Summa D	60°	0.40	D Series	391-358	5pcs./box	96.00	32.00
1129	KOKA	Type-G	P-Cut	45°	0.40	Creation CT Series	/	5pcs./box	96.00	32.00
1130	KOKA	Type-G	P-Cut	60°	0.40	Creation CT Series	/	5pcs./box	96.00	32.00

*equivalent to ZECU-5025, Specially for cutting cardboard, rubber sheet.

**Deg-45 & Deg-60 functionality combined, only label difference.

for ANAGraph, AllenData Owner, not recommended install Roland Blade.

Special quo for unlisted items or customised spec.

Freight Cost Includes



KOKA Premium Carbide Plotter Blade - 1pc./box

Code	Brand	Type	Label	Cutting Angle	Offset mm	Model / Series	Factory P/N	Packing	Retail USD/Box	Dealer USD/Box
		(100% compatible by Type)								
1151	KOKA	Type-A	Roland	30°	0.25	CAMM, CM, CX, PNC	/	1pc./box	18.00	6.00
1152	KOKA	Type-A	Roland	45°	0.25	CAMM, CM, CX, PNC	ZECU-1001 / 3050	1pc./box	18.00	6.00
1153	KOKA	Type-A	Roland	60°	0.25	CAMM, CM, CX, PNC	ZECU-1715	1pc./box	18.00	6.00
1154	KOKA	Type-A	Roland	45°H	0.25	CAMM, CM, CX, PNC	ZECU-5025	1pc./box	18.00	6.00
1155	KOKA	Type-A	SignPal GCC	30°	0.25	All Machines	/	1pc./box	18.00	6.00
1156	KOKA	Type-A	SignPal GCC	45°	0.25	All Machines	/	1pc./box	18.00	6.00
1157	KOKA	Type-A	SignPal GCC	60°	0.25	All Machines	/	1pc./box	18.00	6.00
1158	KOKA	Type-A	SignPal GCC	45°H	0.25	All Machines	/	1pc./box	18.00	6.00
1159	KOKA	Type-B	Mimaki	30°	0.30	CG Series	SPB-0003	1pc./box	21.00	7.00
1160	KOKA	Type-B	Mimaki	45°	0.30	CG Series	SPB-0001	1pc./box	21.00	7.00
1161	KOKA	Type-B	Mimaki	60°	0.30	CG Series	SPB-0006 / 07	1pc./box	21.00	7.00
1162	KOKA	Type-B	New Star	30°	0.30	OMEGA Series	OME-015	1pc./box	21.00	7.00
1163	KOKA	Type-B	New Star	45°	0.30	OMEGA Series	OME-030	1pc./box	21.00	7.00
1164	KOKA	Type-B	New Star	60°	0.30	OMEGA Series	OME-075	1pc./box	21.00	7.00
1165	KOKA	Type-B	Gerber(Round)	30°	0.30	Envision, Embrosstrack	/	1pc./box	21.00	7.00
1166	KOKA	Type-B	Gerber(Round)	45°	0.30	Envision, Embrosstrack	/	1pc./box	21.00	7.00
1167	KOKA	Type-B	Gerber(Round)	60°	0.30	Envision, Embrosstrack	/	1pc./box	21.00	7.00
1168	KOKA	Type-B	Mutoh	30°	0.30	XP & MC Series	/	1pc./box	21.00	7.00
1169	KOKA	Type-B	Mutoh	45°	0.30	XP & MC Series	/	1pc./box	21.00	7.00
1170	KOKA	Type-B	Mutoh	60°	0.30	XP & MC Series	/	1pc./box	21.00	7.00
1171	KOKA	Type-C	ANAGraph**	45°	0.25	Express, Elite Series	/	1pc./box	25.50	8.50
1172	KOKA	Type-C	ANAGraph**	60°	0.25	Express, Elite Series	/	1pc./box	25.50	8.50
1173	KOKA	Type-D	IOLine**	45°	0.40	Studio Series	/	1pc./box	21.00	7.00
1174	KOKA	Type-D	IOLine**	60°	0.40	Studio Series	/	1pc./box	21.00	7.00
1175	KOKA	Type-E	Graphtec**	45°	0.45	CE, FC, NovaCut	CB09U	1pc./box	25.50	8.50
1176	KOKA	Type-E	Graphtec**	60°	0.45	CE, FC, NovaCut	CB09U	1pc./box	25.50	8.50
1177	KOKA	Type-F	Summa D	45°	0.40	D Series	/	1pc./box	21.00	7.00
1178	KOKA	Type-F	Summa D	60°	0.40	D Series	/	1pc./box	21.00	7.00
1179	KOKA	Type-G	P-Cut	45°	0.40	Creation CT Series	/	1pc./box	21.00	7.00
1180	KOKA	Type-G	P-Cut	60°	0.40	Creation CT Series	/	1pc./box	21.00	7.00

*equivalent to ZECU-5025, Specially for cutting cardboard, rubber sheet.

**Deg-45 & Deg-60 functionality combined, only label difference.

for ANAGraph, AllenData Owner, not recommended install Roland Blade.

Special quo for unlisted items or customised spec.

Freight Cost Includes



KOKA micrograin carbide tool



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dia. = Cutting Dia. Shank = Shank Dia. LOC = Length of Cutter OAL = OverAll Length

KOKA Micrograin Carbide Tool Top Load Engraving Cutter (Half Round)



Code	Tool	Shk Dia. mm	LOC mm	OAL mm	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2751	Top Load Engraving Cutter	6.0	16	165	0.005	0.127	1	68.1	38.40	24.00	20
2752	Top Load Engraving Cutter	6.0	16	165	0.010	0.254	1	68.1	38.40	24.00	20
2753	Top Load Engraving Cutter	6.0	16	165	0.015	0.381	1	68.1	38.40	24.00	20
2754	Top Load Engraving Cutter	6.0	16	165	0.020	0.508	1	68.1	38.40	24.00	20
2755	Top Load Engraving Cutter	6.0	16	165	0.030	0.762	1	68.1	38.40	24.00	20
2756	Top Load Engraving Cutter	6.0	16	165	0.060	1.520	1	68.1	38.40	24.00	20
2757	Top Load Engraving Cutter	6.0	16	165	0.075	1.910	1	68.1	38.40	24.00	20
2758	Top Load Engraving Cutter	6.0	16	165	0.090	2.290	1	68.1	38.40	24.00	20
2759	Top Load Engraving Cutter	6.0	16	165	0.125	3.175	1	68.1	38.40	24.00	20
2760	Top Load Engraving Cutter	6.0	16	165	0.150	3.810	1	68.1	38.40	24.00	20
2761	Top Load Engraving Cutter	6.0	18	165	0.171	4.340	1	68.1	38.40	24.00	20
2762	Top Load Engraving Cutter	6.0	18	165	0.187	4.750	1	68.1	38.40	24.00	20
2763	Top Load Engraving Cutter	6.0	18	165	0.236	6.000	1	68.1	38.40	24.00	20

(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

MOQ Required

Code	Tool	Shk Dia. mm	LOC mm	OAL mm	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2751A	Top Load Engraving Cutter*	6.0	16	165	0.005	0.127	1	34.0	19.20	12.00	20
2752A	Top Load Engraving Cutter*	6.0	16	165	0.010	0.254	1	34.0	19.20	12.00	20
2753A	Top Load Engraving Cutter*	6.0	16	165	0.015	0.381	1	34.0	19.20	12.00	20
2754A	Top Load Engraving Cutter*	6.0	16	165	0.020	0.508	1	34.0	19.20	12.00	20
2755A	Top Load Engraving Cutter*	6.0	16	165	0.030	0.762	1	34.0	19.20	12.00	20
2756A	Top Load Engraving Cutter*	6.0	16	165	0.060	1.520	1	34.0	19.20	12.00	20
2757A	Top Load Engraving Cutter*	6.0	16	165	0.075	1.910	1	34.0	19.20	12.00	20
2758A	Top Load Engraving Cutter*	6.0	16	165	0.090	2.290	1	34.0	19.20	12.00	20
2759A	Top Load Engraving Cutter*	6.0	16	165	0.125	3.175	1	34.0	19.20	12.00	20
2760A	Top Load Engraving Cutter*	6.0	16	165	0.150	3.810	1	34.0	19.20	12.00	20
2761A	Top Load Engraving Cutter*	6.0	18	165	0.171	4.340	1	34.0	19.20	12.00	20
2762A	Top Load Engraving Cutter*	6.0	18	165	0.187	4.750	1	34.0	19.20	12.00	20
2763A	Top Load Engraving Cutter*	6.0	18	165	0.236	6.000	1	34.0	19.20	12.00	20

*stainless steel shank

(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

MOQ Required

Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2781	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.005	0.127	1	76.3	38.40	24.00	20
2782	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.010	0.254	1	76.3	38.40	24.00	20
2783	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.015	0.381	1	76.3	38.40	24.00	20
2784	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.020	0.508	1	76.3	38.40	24.00	20
2785	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.030	0.762	1	76.3	38.40	24.00	20
2786	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.060	1.520	1	76.3	38.40	24.00	20
2787	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.075	1.910	1	76.3	38.40	24.00	20
2788	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.090	2.290	1	76.3	38.40	24.00	20
2789	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.125	3.175	1	76.3	38.40	24.00	20
2790	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.150	3.810	1	76.3	38.40	24.00	20
2791	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.171	4.340	1	76.3	38.40	24.00	20
2792	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.187	4.750	1	76.3	38.40	24.00	20
2793	Top Load Engraving Cutter	1/4	5/8	6-1/2	0.250	6.350	1	76.3	38.40	24.00	20

(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added
MOQ Required

Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2781A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.005	0.127	1	38.0	19.20	12.00	20
2782A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.010	0.254	1	38.0	19.20	12.00	20
2783A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.015	0.381	1	38.0	19.20	12.00	20
2784A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.020	0.508	1	38.0	19.20	12.00	20
2785A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.030	0.762	1	38.0	19.20	12.00	20
2786A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.060	1.520	1	38.0	19.20	12.00	20
2787A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.075	1.910	1	38.0	19.20	12.00	20
2788A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.090	2.290	1	38.0	19.20	12.00	20
2789A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.125	3.175	1	38.0	19.20	12.00	20
2790A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.150	3.810	1	38.0	19.20	12.00	20
2791A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.171	4.340	1	38.0	19.20	12.00	20
2792A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.187	4.750	1	38.0	19.20	12.00	20
2793A	Top Load Engraving Cutter*	1/4	5/8	6-1/2	0.250	6.350	1	38.0	19.20	12.00	20

*stainless steel shank

(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added
MOQ Required

Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2801	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.005	0.127	1	36.0	38.40	24.00	1
2802	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.010	0.254	1	36.0	38.40	24.00	1
2803	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.015	0.381	1	36.0	38.40	24.00	1
2804	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.020	0.508	1	36.0	38.40	24.00	1
2805	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.030	0.762	1	36.0	38.40	24.00	1
2806	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.060	1.520	1	36.0	38.40	24.00	1
2807	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.075	1.910	1	36.0	38.40	24.00	1
2808	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.090	2.290	1	36.0	38.40	24.00	1
2809	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.125	3.175	1	36.0	38.40	24.00	1
2810	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.150	3.810	1	36.0	38.40	24.00	1
2811	Top Load Engraving Cutter	11/64	5/8	6-1/2	0.171	4.340	1	36.0	38.40	24.00	1

(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2801A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.005	0.127	1	20.0	12.80	8.00	1
2802A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.010	0.254	1	20.0	12.80	8.00	1
2803A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.015	0.381	1	20.0	12.80	8.00	1
2804A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.020	0.508	1	20.0	12.80	8.00	1
2805A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.030	0.762	1	20.0	12.80	8.00	1
2806A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.060	1.520	1	20.0	12.80	8.00	1
2807A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.075	1.910	1	20.0	12.80	8.00	1
2808A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.090	2.290	1	20.0	12.80	8.00	1
2809A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.125	3.175	1	20.0	12.80	8.00	1
2810A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.150	3.810	1	20.0	12.80	8.00	1
2811A	Top Load Engraving Cutter*	11/64	5/8	6-1/2	0.171	4.340	1	20.0	12.80	8.00	1

*stainless steel shank

(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2821	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.005	0.127	1	13.2	15.20	9.50	1
2822	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.010	0.254	1	13.2	15.20	9.50	1
2823	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.015	0.381	1	13.2	15.20	9.50	1
2824	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.020	0.508	1	13.2	15.20	9.50	1
2825	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.030	0.762	1	13.2	15.20	9.50	1
2826	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.060	1.520	1	13.2	15.20	9.50	1
2827	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.075	1.910	1	13.2	15.20	9.50	1
2828	Top Load Engraving Cutter	1/8	1/2	4-1/2	0.090	2.290	1	13.2	15.20	9.50	1
2829	Top Load Engraving Cutter (without cutter knob)	1/8	1/2	4-1/2	0.125	3.175	1	13.2	15.20	9.50	1

Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Tip Size mm	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2831	Top Load Engraving Cutter*	1/8	3/16	4-1/2	0.005	0.127	1	7.1	7.60	4.80	1
2832	Top Load Engraving Cutter*	1/8	3/16	4-1/2	0.010	0.254	1	7.1	7.60	4.80	1
2833	Top Load Engraving Cutter*	1/8	3/16	4-1/2	0.015	0.381	1	7.1	7.60	4.80	1
2834	Top Load Engraving Cutter*	1/8	3/16	4-1/2	0.020	0.508	1	7.1	7.60	4.80	1
2835	Top Load Engraving Cutter*	1/8	3/16	4-1/2	0.030	0.762	1	7.1	7.60	4.80	1
2836	Top Load Engraving Cutter*	1/8	3/16	4-1/2	0.060	1.520	1	7.1	7.60	4.80	1
2837	Top Load Engraving Cutter* *stainless steel shank (without cutter knob)	1/8	3/16	4-1/2	0.075	1.910	1	7.1	7.60	4.80	1

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

KOKA Micrograin Carbide Tool Top Load V-TIP Engraving Cutter (Half Round)



Code	Tool	Shk Dia.	LOC	OAL	Tip Size inch	Included Angle	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
TLV01	TL V-Tip Engraving Cutter	1/8	1/2	4-1/2	0.010"	30°	1	13.2	15.20	9.50	20
TLV02	TL V-Tip Engraving Cutter	1/8	1/2	4-1/2	0.010"	45°	1	13.2	15.20	9.50	20
TLV03	TL V-Tip Engraving Cutter	1/8	1/2	4-1/2	0.010"	60°	1	13.2	15.20	9.50	20
TLV04	TL V-Tip Engraving Cutter	1/8	1/2	4-1/2	0.010"	90°	1	13.2	15.20	9.50	20
TLV05	TL V-Tip Engraving Cutter*	1/8	3/16	4-1/2	0.010"	30°	1	7.1	7.60	4.80	20
TLV06	TL V-Tip Engraving Cutter*	1/8	3/16	4-1/2	0.010"	45°	1	7.1	7.60	4.80	20
TLV07	TL V-Tip Engraving Cutter*	1/8	3/16	4-1/2	0.010"	60°	1	7.1	7.60	4.80	20
TLV08	TL V-Tip Engraving Cutter*	1/8	3/16	4-1/2	0.010"	90°	1	7.1	7.60	4.80	20
TLV09	TL V-Tip Engraving Cutter	11/64	5/8	6-1/2	0.010"	30°	1	36.1	38.40	24.00	20
TLV10	TL V-Tip Engraving Cutter	11/64	5/8	6-1/2	0.010"	45°	1	36.1	38.40	24.00	20
TLV11	TL V-Tip Engraving Cutter	11/64	5/8	6-1/2	0.010"	60°	1	36.1	38.40	24.00	20
TLV12	TL V-Tip Engraving Cutter	11/64	5/8	6-1/2	0.010"	90°	1	36.1	38.40	24.00	20
TLV13	TL V-Tip Engraving Cutter*	11/64	5/8	6-1/2	0.010"	30°	1	20.0	12.80	8.00	20
TLV14	TL V-Tip Engraving Cutter*	11/64	5/8	6-1/2	0.010"	45°	1	20.0	12.80	8.00	20
TLV15	TL V-Tip Engraving Cutter*	11/64	5/8	6-1/2	0.010"	60°	1	20.0	12.80	8.00	20
TLV16	TL V-Tip Engraving Cutter*	11/64	5/8	6-1/2	0.010"	90°	1	20.0	12.80	8.00	20
TLV17	TL V-Tip Engraving Cutter	1/4	5/8	6-1/2	0.010"	30°	1	76.3	38.40	24.00	20
TLV18	TL V-Tip Engraving Cutter	1/4	5/8	6-1/2	0.010"	45°	1	76.3	38.40	24.00	20
TLV19	TL V-Tip Engraving Cutter	1/4	5/8	6-1/2	0.010"	60°	1	76.3	38.40	24.00	20
TLV20	TL V-Tip Engraving Cutter	1/4	5/8	6-1/2	0.010"	90°	1	76.3	38.40	24.00	20
TLV21	TL V-Tip Engraving Cutter*	1/4	5/8	6-1/2	0.010"	30°	1	36.0	19.20	12.00	20
TLV22	TL V-Tip Engraving Cutter*	1/4	5/8	6-1/2	0.010"	45°	1	36.0	19.20	12.00	20
TLV23	TL V-Tip Engraving Cutter*	1/4	5/8	6-1/2	0.010"	60°	1	36.0	19.20	12.00	20
TLV24	TL V-Tip Engraving Cutter*	1/4	5/8	6-1/2	0.010"	90°	1	36.0	19.20	12.00	20
TLV25	TL V-Tip Engraving Cutter	6.0	16mm	165mm	0.254mm	30°	1	68.1	38.40	24.00	20
TLV26	TL V-Tip Engraving Cutter	6.0	16mm	165mm	0.254mm	45°	1	68.1	38.40	24.00	20
TLV27	TL V-Tip Engraving Cutter	6.0	16mm	165mm	0.254mm	60°	1	68.1	38.40	24.00	20
TLV28	TL V-Tip Engraving Cutter	6.0	16mm	165mm	0.254mm	90°	1	68.1	38.40	24.00	20
TLV29	TL V-Tip Engraving Cutter*	6.0	16mm	165mm	0.254mm	30°	1	31.0	19.20	12.00	20
TLV30	TL V-Tip Engraving Cutter*	6.0	16mm	165mm	0.254mm	45°	1	31.0	19.20	12.00	20
TLV31	TL V-Tip Engraving Cutter*	6.0	16mm	165mm	0.254mm	60°	1	31.0	19.20	12.00	20
TLV32	TL V-Tip Engraving Cutter*	6.0	16mm	165mm	0.254mm	90°	1	31.0	19.20	12.00	20

*stainless steel shank

TL = Topload
(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added
MOQ Required

KOKA Micrograin Carbide Tool Top Load ADA Braille Dot Cutter (Half Round)



Code	Tool	Shk Dia.	LOC	OAL	dia.	/	Pkg	WT	Retail	Dealer	MOQ
							pc(s)/pk	gm/pk	USD	USD	PC(S)
AC001	Top Load ADA Eng. Cutter	1/8"	5/8"	4-1/2"	0.015"	/	1	13.2	15.20	9.50	20
AC002	Top Load ADA Eng. Cutter	1/8"	5/8"	4-1/2"	0.020"	/	1	13.2	15.20	9.50	20
AC003	Top Load ADA Eng. Cutter	1/8"	5/8"	4-1/2"	0.035"	/	1	13.2	15.20	9.50	20
AC004	Top Load ADA Eng. Cutter	1/8"	5/8"	4-1/2"	0.060"	/	1	13.2	15.20	9.50	20
AC005	Top Load ADA Eng. Cutter*	11/64"	5/8"	6-1/2"	0.015"	/	1	20.0	12.80	8.00	20
AC006	Top Load ADA Eng. Cutter*	11/64"	5/8"	6-1/2"	0.020"	/	1	20.0	12.80	8.00	20
AC007	Top Load ADA Eng. Cutter*	11/64"	5/8"	6-1/2"	0.035"	/	1	20.0	12.80	8.00	20
AC008	Top Load ADA Eng. Cutter*	11/64"	5/8"	6-1/2"	0.060"	/	1	20.0	12.80	8.00	20
AC009	Top Load ADA Eng. Cutter*	1/4"	5/8"	6-1/2"	0.015"	/	1	36.0	19.60	12.30	20
AC010	Top Load ADA Eng. Cutter*	1/4"	5/8"	6-1/2"	0.020"	/	1	36.0	19.60	12.30	20
AC011	Top Load ADA Eng. Cutter*	1/4"	5/8"	6-1/2"	0.035"	/	1	36.0	19.60	12.30	20
AC012	Top Load ADA Eng. Cutter*	1/4"	5/8"	6-1/2"	0.060"	/	1	36.0	19.60	12.30	20
AC013	Top Load ADA Eng. Cutter*	6.0mm	18mm	165mm	0.381mm	/	1	31.0	19.60	12.30	20
AC014	Top Load ADA Eng. Cutter*	6.0mm	18mm	165mm	0.508mm	/	1	31.0	19.60	12.30	20
AC015	Top Load ADA Eng. Cutter*	6.0mm	18mm	165mm	0.890mm	/	1	31.0	19.60	12.30	20
AC016	Top Load ADA Eng. Cutter*	6.0mm	18mm	165mm	1.520mm	/	1	31.0	19.60	12.30	20

*stainless steel shank
(without cutter knob)

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added
MOQ Required

KOKA Micrograin Carbide Tool Rubber Stamp Specialty V-TIP (Half Round)



Code	Tool	Shk Dia.	LOC	OAL	Tip Size	Included	Pkg	WT	Retail	Dealer	MOQ
						Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
RS001	Rubber Stamp V-TIP Cutter	3.0mm	18mm	38mm	0.125mm	20°	1	3.9	7.60	4.80	20
RS002	Rubber Stamp V-TIP Cutter(TL)	4.0mm	18mm	114mm	0.125mm	20°	1	21.0	20.40	12.80	20
RS003	Rubber Stamp V-TIP Cutter	4.0mm	18mm	40mm	0.125mm	20°	1	7.3	10.40	6.50	20
RS004	Rubber Stamp V-TIP Cutter	6.0mm	18mm	45mm	0.125mm	20°	1	18.6	12.80	8.00	20
RS005	Rubber Stamp V-TIP Cutter(TL)*	6.0mm	18mm	165mm	0.125mm	20°	1	31.0	19.60	12.30	20
RS006	Rubber Stamp V-TIP Cutter(TL)	1/8"	5/8"	4-1/2"	0.005"	20°	1	13.2	15.20	9.50	20
RS007	Rubber Stamp V-TIP Cutter(TL)*	11/64"	5/8"	6-1/2"	0.005"	20°	1	20.0	12.80	8.00	20
RS008	Rubber Stamp V-TIP Cutter	1/4"	5/8"	1-3/4"	0.005"	20°	1	20.6	12.80	8.00	20
RS009	Rubber Stamp V-TIP Cutter(TL)*	1/4"	5/8"	6-1/2"	0.005"	20°	1	38.0	19.60	12.30	20

*stainless steel shank
TL = Topload
(without cutter knob)
MOQ Required

KOKA Micrograin Carbide Tool Endmill 1-Flute, 2-Flute, Square, Ball End



Code	Tool	Shk Dia.	LOC	OAL	dia.	/	Pkg	WT	Retail	Dealer	MOQ
		inch	inch	inch	inch	/	pc(s)/pk	gm/pk	USD	USD	PC(S)
2851	Endmill 1-Flute	1/4	3/4	2"	1/4	/	1	23.5	19.60	12.30	1
2852	Endmill 2-Flute	1/4	1"	2"	1/4	/	1	23.5	12.80	8.00	1
2853	Endmill 2-Flute Ball End	1/4	1"	2"	1/4	/	1	23.5	12.80	8.00	1
2854	Endmill 1-Flute	11/64	3/4	2"	11/64	/	1	11.1	11.60	7.30	1
2855	Endmill 2-Flute	11/64	3/4	2"	11/64	/	1	11.1	7.60	4.80	1
2856	Endmill 2-Flute Ball End	11/64	3/4	2"	11/64	/	1	11.1	7.60	4.80	1
2857	Endmill 1-Flute	1/8	5/8	2"	1/8	/	1	5.9	8.80	5.50	1
2858	Endmill 2-Flute	1/8	5/8	2"	1/8	/	1	5.9	6.00	3.80	1
2859	Endmill 2-Flute Ball End	1/8	5/8	2"	1/8	/	1	5.9	6.00	3.80	1

Code	Tool	Shk Dia.	LOC	OAL	dia.	/	Pkg	WT	Retail	Dealer	MOQ
		mm	mm	mm	mm	/	pc(s)/pk	gm/pk	USD	USD	PC(S)
2871	Endmill 1-Flute	4.0	21	50	4.0	/	1	9.2	11.60	7.30	1
2872	Endmill 2-Flute	4.0	21	50	4.0	/	1	9.2	7.60	4.80	1
2873	Endmill 2-Flute Ball End	4.0	21	50	4.0	/	1	9.2	7.60	4.80	1
2874	Endmill 1-Flute	6.0	21	50	6.0	/	1	20.6	19.60	12.30	1
2875	Endmill 2-Flute	6.0	26	50	6.0	/	1	20.6	12.80	8.00	1
2876	Endmill 2-Flute Ball End	6.0	26	50	6.0	/	1	20.6	12.80	8.00	1

KOKA Micrograin Carbide Tool V-Tip Engraving Cutter - Half Round



Code	Tool	Shk Dia. inch	LOC inch	OAL inch	Tip Size inch	Included Angle	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2881	Vee Engraving Cutter(Stub)	1/8	1/2	1-1/4	0.01	20°	1	4.0	7.60	4.80	1
2882	Vee Engraving Cutter(Stub)	1/8	1/2	1-1/4	0.01	30°	1	4.0	7.60	4.80	1
2883	Vee Engraving Cutter(Stub)	1/8	1/2	1-1/4	0.01	45°	1	4.0	7.60	4.80	1
2884	Vee Engraving Cutter(Stub)	1/8	1/2	1-1/4	0.01	60°	1	4.0	7.60	4.80	1
2885	Vee Engraving Cutter(Stub)	1/8	1/2	1-1/4	0.01	90°	1	4.0	7.60	4.80	1
2901	Vee Engraving Cutter	1/8	3/4	2"	0.01	20°	1	5.9	7.60	4.80	1
2902	Vee Engraving Cutter	1/8	3/4	2"	0.01	30°	1	5.9	7.60	4.80	1
2903	Vee Engraving Cutter	1/8	3/4	2"	0.01	45°	1	5.9	7.60	4.80	1
2904	Vee Engraving Cutter	1/8	3/4	2"	0.01	60°	1	5.9	7.60	4.80	1
2905	Vee Engraving Cutter	1/8	3/4	2"	0.01	90°	1	5.9	7.60	4.80	1
2906	Vee Engraving Cutter	11/64	3/4	2"	0.01	20°	1	11.1	10.40	6.50	1
2907	Vee Engraving Cutter	11/64	3/4	2"	0.01	30°	1	11.1	10.40	6.50	1
2908	Vee Engraving Cutter	11/64	3/4	2"	0.01	45°	1	11.1	10.40	6.50	1
2909	Vee Engraving Cutter	11/64	3/4	2"	0.01	60°	1	11.1	10.40	6.50	1
2910	Vee Engraving Cutter	11/64	3/4	2"	0.01	90°	1	11.1	10.40	6.50	1
2911	Vee Engraving Cutter	1/4	3/4	2"	0.01	20°	1	23.5	12.80	8.00	1
2912	Vee Engraving Cutter	1/4	3/4	2"	0.01	30°	1	23.5	12.80	8.00	1
2913	Vee Engraving Cutter	1/4	3/4	2"	0.01	45°	1	23.5	12.80	8.00	1
2914	Vee Engraving Cutter	1/4	3/4	2"	0.01	60°	1	23.5	12.80	8.00	1
2915	Vee Engraving Cutter	1/4	3/4	2"	0.01	90°	1	23.5	12.80	8.00	1

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

Code	Tool	Shk Dia. mm	LOC mm	OAL mm	Tip Size mm	Included Angle	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2936	Vee Engraving Cutter(Stub)	3.0	13	32	0.10	20°	1	4.8	7.60	4.80	1
2937	Vee Engraving Cutter(Stub)	3.0	13	32	0.20	30°	1	4.8	7.60	4.80	1
2938	Vee Engraving Cutter(Stub)	3.0	13	32	0.20	45°	1	4.8	7.60	4.80	1
2939	Vee Engraving Cutter(Stub)	3.0	13	32	0.20	60°	1	4.8	7.60	4.80	1
2940	Vee Engraving Cutter(Stub)	3.0	13	32	0.20	90°	1	4.8	7.60	4.80	1
2921	Vee Engraving Cutter	3.0	20	50	0.25	20°	1	5.2	7.60	4.80	1
2922	Vee Engraving Cutter	3.0	20	50	0.25	30°	1	5.2	7.60	4.80	1
2923	Vee Engraving Cutter	3.0	20	50	0.25	45°	1	5.2	7.60	4.80	1
2924	Vee Engraving Cutter	3.0	20	50	0.25	60°	1	5.2	7.60	4.80	1
2925	Vee Engraving Cutter	3.0	20	50	0.25	90°	1	5.2	7.60	4.80	1
2926	Vee Engraving Cutter	4.0	20	50	0.25	20°	1	9.2	10.40	6.50	1
2927	Vee Engraving Cutter	4.0	20	50	0.25	30°	1	9.2	10.40	6.50	1
2928	Vee Engraving Cutter	4.0	20	50	0.25	45°	1	9.2	10.40	6.50	1
2929	Vee Engraving Cutter	4.0	20	50	0.25	60°	1	9.2	10.40	6.50	1
2930	Vee Engraving Cutter	4.0	20	50	0.25	90°	1	9.2	10.40	6.50	1
2931	Vee Engraving Cutter	6.0	20	50	0.25	20°	1	20.6	12.80	8.00	1
2932	Vee Engraving Cutter	6.0	20	50	0.25	30°	1	20.6	12.80	8.00	1
2933	Vee Engraving Cutter	6.0	20	50	0.25	45°	1	20.6	12.80	8.00	1
2934	Vee Engraving Cutter	6.0	20	50	0.25	60°	1	20.6	12.80	8.00	1
2935	Vee Engraving Cutter	6.0	20	50	0.25	90°	1	20.6	12.80	8.00	1

Remark: Suffix M with item code, indicates tooling on aluminium & brass, 10% added

KOKA Micrograin Carbide Tool Flat-Tip Parallel Cutter - Half Round



Code	Tool	Shk Dia.	LOC	OAL	dia.	Included	Pkg	WT	Retail	Dealer	MOQ
	1/8" (3.175mm)	inch	mm	mm	mm	Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
KP001	Flat-Tip Parallel Cutter	1/8	23	48	3.0	/	1	5.9	7.60	4.80	1
KP002	Flat-Tip Parallel Cutter	1/8	17	42	2.5	/	1	5.9	7.60	4.80	1
KP003	Flat-Tip Parallel Cutter*	1/8	15	40	2.0	/	1	5.9	7.60	4.80	1
KP004	Flat-Tip Parallel Cutter*	1/8	13	38	1.7	/	1	5.9	7.60	4.80	1
KP005	Flat-Tip Parallel Cutter*	1/8	11	36	1.4	/	1	5.9	7.60	4.80	1
KP006	Flat-Tip Parallel Cutter*	1/8	9.7	34	1.2	/	1	5.9	7.60	4.80	1
KP007	Flat-Tip Parallel Cutter*	1/8	7	32	1.0	/	1	5.9	0.00	0.00	1
KP008	Flat-Tip Parallel Cutter*	1/8	7	32	0.8	/	1	5.9	0.00	0.00	1
KP009	Flat-Tip Parallel Cutter*	1/8	7	32	0.4	/	1	5.9	0.00	0.00	1

Code	Tool	Shk Dia.	LOC	OAL	dia.	Included	Pkg	WT	Retail	Dealer	MOQ
	1/8" Stub (3.175mm)	inch	mm	mm	mm	Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
KP021	Flat-Tip Parallel Cutter	1/8	11	32	3.0	/	1	5.9	7.60	4.80	1
KP022	Flat-Tip Parallel Cutter	1/8	11	32	2.5	/	1	5.9	7.60	4.80	1
KP023	Flat-Tip Parallel Cutter*	1/8	9	32	2.0	/	1	5.9	7.60	4.80	1
KP024	Flat-Tip Parallel Cutter*	1/8	8.5	32	1.7	/	1	5.9	7.60	4.80	1
KP025	Flat-Tip Parallel Cutter*	1/8	8	32	1.4	/	1	5.9	7.60	4.80	1
KP026	Flat-Tip Parallel Cutter*	1/8	7.5	32	1.2	/	1	5.9	7.60	4.80	1
KP027	Flat-Tip Parallel Cutter*	1/8	7	32	1.0	/	1	5.9	7.60	4.80	1
KP028	Flat-Tip Parallel Cutter*	1/8	7	32	0.8	/	1	5.9	7.60	4.80	1
KP029	Flat-Tip Parallel Cutter*	1/8	7	32	0.4	/	1	5.9	7.60	4.80	1

Code	Tool	Shk Dia.	LOC	OAL	dia.	Included	Pkg	WT	Retail	Dealer	MOQ
	11/64" (4.365mm)	inch	mm	mm	mm	Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
KP041	Flat-Tip Parallel Cutter	11/64	23	48	4.0	/	1	11.1	10.40	6.50	1
KP042	Flat-Tip Parallel Cutter	11/64	23	48	3.0	/	1	11.1	10.40	6.50	1
KP043	Flat-Tip Parallel Cutter*	11/64	17	42	2.5	/	1	11.1	10.40	6.50	1
KP044	Flat-Tip Parallel Cutter*	11/64	15	40	2.0	/	1	11.1	10.40	6.50	1
KP045	Flat-Tip Parallel Cutter*	11/64	13	38	1.7	/	1	11.1	10.40	6.50	1
KP046	Flat-Tip Parallel Cutter*	11/64	11	36	1.5	/	1	11.1	10.40	6.50	1
KP047	Flat-Tip Parallel Cutter*	11/64	9	34	1.3	/	1	11.1	10.40	6.50	1
KP048	Flat-Tip Parallel Cutter*	11/64	7	32	1.0	/	1	11.1	10.40	6.50	1
KP049	Flat-Tip Parallel Cutter*	11/64	7	32	0.8	/	1	11.1	10.40	6.50	1
KP050	Flat-Tip Parallel Cutter*	11/64	7	32	0.4	/	1	11.1	10.40	6.50	1

Code	Tool	Shk Dia.	LOC	OAL	dia.	Included	Pkg	WT	Retail	Dealer	MOQ
	1/4" (6.35mm)	inch	mm	mm	mm	Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
KP061	Flat-Tip Parallel Cutter	1/4	23	48	6.0	/	1	23.5	12.80	8.00	1
KP062	Flat-Tip Parallel Cutter	1/4	23	48	5.0	/	1	23.5	12.80	8.00	1
KP063	Flat-Tip Parallel Cutter	1/4	23	48	4.5	/	1	23.5	12.80	8.00	1
KP064	Flat-Tip Parallel Cutter	1/4	23	48	4.0	/	1	23.5	12.80	8.00	1
KP065	Flat-Tip Parallel Cutter	1/4	23	48	3.5	/	1	23.5	12.80	8.00	1

Code	Tool	Shk Dia.	LOC	OAL	dia.	Included	Pkg	WT	Retail	Dealer	MOQ
	3.0mm stub	mm	mm	mm	mm	Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
KP081	Flat-Tip Parallel Cutter	3.0	11	32	3.0	/	1	5.2	7.60	4.80	1
KP082	Flat-Tip Parallel Cutter	3.0	11	32	2.5	/	1	5.2	7.60	4.80	1
KP083	Flat-Tip Parallel Cutter*	3.0	9	32	2.0	/	1	5.2	7.60	4.80	1
KP084	Flat-Tip Parallel Cutter*	3.0	8.5	32	1.7	/	1	5.2	7.60	4.80	1
KP085	Flat-Tip Parallel Cutter*	3.0	8	32	1.4	/	1	5.2	7.60	4.80	1
KP086	Flat-Tip Parallel Cutter*	3.0	7.5	32	1.2	/	1	5.2	7.60	4.80	1
KP087	Flat-Tip Parallel Cutter*	3.0	7	32	1.0	/	1	5.2	7.60	4.80	1
KP088	Flat-Tip Parallel Cutter*	3.0	7	32	0.8	/	1	5.2	7.60	4.80	1
KP089	Flat-Tip Parallel Cutter*	3.0	7	32	0.4	/	1	5.2	7.60	4.80	1

Code	Tool	Shk Dia.	LOC	OAL	dia.	Included	Pkg	WT	Retail	Dealer	MOQ
	6.0mm	mm	mm	mm	mm	Angle	pc(s)/pk	gm/pk	USD	USD	PC(S)
KP101	Flat-Tip Parallel Cutter	6.0	23	48	6.0	/	1	20.6	12.80	8.00	1
KP102	Flat-Tip Parallel Cutter	6.0	23	48	5.0	/	1	20.6	12.80	8.00	1
KP103	Flat-Tip Parallel Cutter	6.0	23	48	4.5	/	1	20.6	12.80	8.00	1
KP104	Flat-Tip Parallel Cutter	6.0	23	48	4.0	/	1	20.6	12.80	8.00	1
KP105	Flat-Tip Parallel Cutter	6.0	23	48	3.5	/	1	20.6	12.80	8.00	1

*stainless steel shank
 MOQ Required

KOKA Micrograin Carbide Tool Carbide Blank Single End Splitted



Code	Tool	Shk Dia.	Splitted	OAL	/	/	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
Solid Carbide											
CB001	Carbide Blank w/ SE Splitted	1/8	3/8	1"	/	/	1	2.9	7.60	4.80	20
CB002	Carbide Blank w/ SE Splitted	1/8	3/8	1-1/2	/	/	1	4.4	7.60	4.80	20
CB003	Carbide Blank w/ SE Splitted	1/8	3/8	2"	/	/	1	5.9	7.60	4.80	20
CB004	Carbide Blank w/ SE Splitted	5/32	3/8	2"	/	/	1	9.2	12.40	7.80	20
CB005	Carbide Blank w/ SE Splitted	11/64	1/2	2"	/	/	1	11.1	10.40	6.50	20
CB006	Carbide Blank w/ SE Splitted	3/16	1/2	1-1/2	/	/	1	9.9	10.40	6.50	20
CB007	Carbide Blank w/ SE Splitted	3/16	1/2	2"	/	/	1	13.2	12.80	8.00	20
CB008	Carbide Blank w/ SE Splitted	1/4	1/2	2"	/	/	1	23.5	12.80	8.00	20
CB009	Carbide Blank w/ SE Splitted	1/4	1/2	2-3/8	/	/	1	25.2	14.40	9.00	20
CB010	Carbide Blank w/ SE Splitted	5/16	1/2	2-3/8	/	/	1	43.6	20.40	12.80	20
CB011	Carbide Blank w/ SE Splitted	3/8	1/2	2-3/8	/	/	1	62.8	29.60	18.50	20
CB012	Carbide Blank w/ SE Splitted	1/2	5/8	3"	/	/	1	141.0	38.40	24.00	20
Solid Carbide											
CB013	Carbide Blank w/ SE Splitted	3.0mm	10mm	30mm	/	/	1	3.1	7.60	4.80	20
CB014	Carbide Blank w/ SE Splitted	4.0mm	12mm	60mm	/	/	1	11.1	12.80	8.00	20
CB015	Carbide Blank w/ SE Splitted	6.0mm	12mm	60mm	/	/	1	24.8	15.20	9.50	20
Solid Carbide											
CB016	Carbide Blank w/ SE Splitted	1/8	1/2	4-1/2	/	/	1	13.2	15.20	9.50	20
CB017	Carbide Blank w/ SE Splitted	11/64	5/8	6-1/2	/	/	1	36.1	38.40	24.00	20
CB018	Carbide Blank w/ SE Splitted	1/4	5/8	6-1/2	/	/	1	76.3	38.40	24.00	20
CB019	Carbide Blank w/ SE Splitted (without cutter knob)	6.0mm	16mm	165mm	/	/	1	68.1	38.40	24.00	20

Customise Carbide Blank(Single/Double End, Dia, Splitted, OAL Available)
MOQ Required

KOKA Micrograin Carbide Tool Collet Adapter



Code	Tool	O.D.	I.D.	OAL	/	/	Pkg pc(s)/pk	WT gm/pk	Retail USD	Dealer USD	MOQ PC(S)
2941	1/4" convert 11/64"	1/4"	11/64"	30mm	/	/	1	18.0	15.20	9.50	1
2943	6.0mm convert 11/64"	6.0mm	11/64"	30mm	/	/	1	18.0	15.20	9.50	1
2944	6.0mm convert 4.0mm	6.0mm	4.0mm	30mm	/	/	1	18.0	15.20	9.50	1

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.

Freight Cost Includes

KK10000 Micrograin Carbide Tool

CARBIDE ROD POLISHED - 6% Cobalt

HRa >90 Density 14.7 ~ 15.1 gm/cc TRS >1670 N/mm²

Feb 2008

FRACTIONAL Dia. Tolerance +0/-0.0005
Length Tolerance ±0.06

METRIC Dia. Tolerance +0/-0.012
Length Tolerance ±1.60

Code	Dia. Fractional	OAL	WT g	Retail USD	Dealer USD
31001	1/32	4"	0.7	7.10	4.40
31002	3/64	4"	1.7	7.10	4.40
31003	1/16	4"	2.9	4.40	2.80
31004	5/64	4"	4.6	4.40	2.80
31005	3/32	4"	6.6	4.40	2.80
31006	7/64	4"	9.0	4.40	2.80
31007	1/8	4"	11.7	4.40	2.80
31008	9/64	4"	14.9	4.40	2.80
31009	5/32	4"	18.4	6.00	3.80
31010	11/64	4"	22.2	6.00	3.80
31011	3/16	4"	26.4	7.20	4.50
31012	13/64	4"	31.0	7.20	4.50
31013	7/32	4"	36.0	7.20	4.50
31014	15/64	4"	41.3	10.40	6.50
31015	1/4	4"	47.0	10.40	6.50
31016	17/64	4"	53.0	12.40	7.80
31017	9/32	4"	59.5	12.40	7.80
31018	19/64	4"	66.2	12.40	7.80
31019	5/16	4"	73.4	14.80	9.30
31020	21/64	4"	80.9	14.80	9.30
31021	11/32	4"	88.8	19.20	12.00
31022	23/64	4"	97.1	19.20	12.00
31023	3/8	4"	105.7	19.20	12.00
31024	25/64	4"	114.7	21.20	13.30
31025	13/32	4"	124.1	21.20	13.30
31026	27/64	4"	133.8	26.40	16.50
31027	7/16	4"	143.9	26.40	16.50
31028	29/64	4"	154.3	26.40	16.50
31029	15/32	4"	165.2	29.20	18.30
31030	31/64	4"	176.4	29.20	18.30
31031	1/2	4"	187.9	35.20	22.00
31032	33/64	4"	199.8	35.20	22.00
31033	17/32	4"	212.1	35.20	22.00
31034	35/64	4"	224.8	42.40	26.50
31035	9/16	4"	237.8	42.40	26.50
31036	37/64	4"	251.2	49.60	31.00
31037	19/32	4"	265.0	49.60	31.00
31038	39/64	4"	279.1	49.60	31.00
31039	5/8	4"	293.6	62.40	39.00
31040	41/64	4"	308.5	62.40	39.00
31041	21/32	4"	323.7	76.80	48.00
31042	43/64	4"	339.3	76.80	48.00
31043	11/16	4"	355.3	76.80	48.00
31044	45/64	4"	371.6	88.00	55.00
31045	23/32	4"	388.3	88.00	55.00
31046	47/64	4"	405.4	95.20	59.50
31047	3/4	4"	422.8	95.20	59.50
31048	49/64	4"	440.6	95.20	59.50
31049	25/32	4"	458.8	95.20	59.50

Code	Dia. Metric	OAL	WT g	Retail USD	Dealer USD
31101	0.5	100	2.2	7.10	4.40
31102	1.0	100	9.6	7.10	4.40
31103	1.5	100	17.4	4.40	2.80
31104	2.0	100	27.5	4.40	2.80
31105	2.5	100	39.9	4.40	2.80
31106	3.0	100	54.6	4.40	2.80
31107	3.5	100	71.6	4.40	2.80
31108	4.0	100	90.8	6.00	3.80
31109	5.0	100	112.4	7.20	4.50
31110	6.0	100	136.2	10.40	6.50
31111	7.0	100	162.4	12.40	7.80
31112	8.0	100	190.8	14.80	9.30
31113	10.0	100	221.6	21.20	13.30
31114	12.0	100	254.6	29.20	18.30

Code	Dia. Metric	OAL	WT g	Retail USD	Dealer USD
31201	0.8 - 1.4	100	2.2	4.40	2.80
31202	1.5 - 2.9	100	9.6	4.40	2.80
31203	3.0 - 3.9	100	17.4	4.40	2.80
31204	4.0 - 4.9	100	27.5	6.00	3.80
31205	5.0 - 5.9	100	39.9	7.20	4.50
31206	6.0 - 6.9	100	54.6	10.40	6.50
31207	7.0 - 7.9	100	71.6	12.40	7.80
31208	8.0 - 8.9	100	90.8	14.80	9.30
31209	9.0 - 9.9	100	112.4	19.20	12.00
31210	10.0 - 10.9	100	136.2	21.20	13.30
31211	11.0 - 11.9	100	162.4	26.40	16.50
31212	12.0 - 12.9	100	190.8	29.20	18.30
31213	13.0 - 13.9	100	221.6	35.20	22.00
31214	14.0 - 14.9	100	254.6	42.40	26.50
31215	15.0 - 15.9	100	289.9	49.60	31.00
31216	16.0 - 16.9	100	327.5	62.40	39.00
31217	17.0 - 17.9	100	367.4	76.80	48.00
31218	18.0 - 18.9	100	409.6	88.00	55.00
31219	19.0 - 20.0	100	458.7	95.20	59.50

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ 10pcs. per item code
- Special quo for unlisted & customizable spec.

Freight Cost Includes



KK10000 Micrograin Carbide Tool

CARBIDE TWIST DRILL



Feb 2008

Code	Dia. FRACTIONAL	LOF	OAL	WT g/pc	Retail USD/PC	Dealer USD/PC
32001	1/32	3/8	1-1/2	0.2	2.40	1.50
32002	3/64	3/8	1-1/2	0.6	2.40	1.50
32003	1/16	5/8	1-1/2	1.0	2.40	1.50
32004	5/64	5/8	1-1/2	1.5	2.40	1.50
32005	3/32	3/4	1-1/2	3.0	2.40	1.50
32006	7/64	3/4	1-1/2	4.0	2.40	1.50
32007	1/8	3/4	1-7/8	5.3	2.40	1.50
32008	9/64	3/4	1-7/8	6.7	3.20	2.00
32009	5/32	3/4	1-7/8	8.3	3.20	2.00
32010	11/64	1"	1-7/8	11.2	3.20	2.00
32011	3/16	1"	1-7/8	13.4	3.60	2.30
32012	13/64	1"	1-7/8	15.7	3.60	2.30
32013	7/32	1"	1-7/8	18.2	4.80	3.00
32014	15/64	1"	2-1/8	20.9	4.80	3.00
32015	1/4	1"	2-1/8	23.8	6.00	3.80
32016	17/64	1"	2-1/8	26.8	6.00	3.80
32017	9/32	1-1/8	2-3/8	33.4	6.00	3.80
32018	19/64	1-1/8	2-3/8	37.3	7.60	4.80
32019	5/16	1-1/8	2-1/2	41.3	7.60	4.80
32020	21/64	1-1/8	2-1/2	45.5	7.60	4.80
32021	11/32	1-1/8	2-1/2	50.0	9.60	6.00
32022	23/64	1-3/8	2-1/2	60.1	9.60	6.00
32023	3/8	1-3/8	2-1/2	65.4	12.80	8.00
32024	25/64	1-3/8	2-1/2	71.0	12.80	8.00
32025	13/32	1-3/8	2-1/2	76.8	12.80	8.00
32026	27/64	1-3/8	2-1/2	82.8	14.40	9.00
32027	7/16	1-3/8	2-1/2	89.0	14.40	9.00
32028	29/64	1-3/8	2-1/2	95.5	18.00	11.30
32029	15/32	1-3/8	2-3/4	102.2	18.00	11.30
32030	31/64	1-3/8	2-3/4	109.1	20.40	12.80
32031	1/2	1-3/8	2-3/4	116.3	20.40	12.80

Code	Dia. METRIC	LOF	OAL	WT g/pc	Retail USD/PC	Dealer USD/PC
32101	0.5	10	25	0.1	2.40	1.50
32102	1.0	10	40	0.4	2.40	1.50
32103	1.5	12	40	0.9	2.40	1.50
32104	2.0	20	40	1.7	2.40	1.50
32105	2.5	20	40	2.6	2.40	1.50
32106	3.0	20	50	4.6	2.40	1.50
32107	3.5	32	60	7.6	2.40	1.50
32108	4.0	20	50	8.3	3.20	2.00
32109	4.5	20	50	10.4	3.20	2.00
32110	5.0	30	50	12.9	3.60	2.30
32111	5.5	30	50	15.6	3.60	2.30
32112	6.0	30	55	20.4	4.80	3.00
32113	6.5	30	55	24.0	4.80	3.00
32114	7.0	35	60	30.3	6.00	3.80
32115	7.5	35	60	34.8	6.00	3.80
32116	8.0	30	65	42.9	7.60	4.80
32117	8.5	30	65	48.5	7.60	4.80
32118	9.0	30	65	54.3	9.60	6.00
32119	9.5	30	65	60.5	9.60	6.00
32120	10.0	36	65	67.1	12.80	8.00
32121	10.5	36	65	74.0	12.80	8.00
32122	11.0	38	65	81.2	14.40	9.00
32123	11.5	38	65	88.7	14.40	9.00
32124	12.0	40	70	104.0	18.00	11.30
32125	12.5	40	70	112.9	20.40	12.80

Boldface = Stocked Items



Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ 10pcs. per item code
- Special quo for unlisted & customizable spec.

Freight Cost Includes

ULTRATOOL Carbide Tool SOLID CARBIDE TWIST DRILL



Feb 2008



Code	Dia. Fractional	LOF	OAL	WT g	Retail USD	Dealer USD
U1101	1/64	1/4	1-1/4	0.1	20.30	16.90
U1102	1/32	5/16	1-1/4	0.2	12.60	10.50
U1103	3/64	3/4	1-1/2	0.6	12.60	10.50
U1104	1/16	3/4	1-1/2	1.0	12.40	10.30
U1105	5/64	7/8	1-3/4	1.8	13.30	11.10
U1106	3/32	1"	2"	3.0	13.70	11.40
U1107	7/64	1-1/4	2-1/4	4.6	15.10	12.60
U1108	1/8	1-1/4	2-1/4	5.9	15.00	12.50
U1109	9/64	1-3/8	2-1/2	8.4	18.10	15.10
U1110	5/32	1-3/8	2-1/2	10.3	19.90	16.60
U1111	11/64	1-5/8	2-3/4	13.7	23.10	19.20
U1112	3/16	1-5/8	2-3/4	16.4	22.50	18.80
U1113	13/64	1-3/4	3"	20.9	28.10	23.40
U1114	7/32	1-3/4	3"	24.3	29.50	24.60
U1115	15/64	2"	3-1/4	30.2	33.20	27.70
U1116	1/4	2"	3-1/4	34.4	34.20	28.50
U1117	17/64	2-1/8	3-1/2	41.8	41.50	34.60
U1118	9/32	2-1/8	3-1/2	46.8	43.40	36.20
U1119	19/64	2-3/8	3-3/4	55.9	48.00	40.00
U1120	5/16	2-3/8	3-3/4	61.9	49.80	41.50
U1121	21/64	2-1/2	4"	72.8	55.40	46.20
U1122	11/32	2-1/2	4"	79.9	59.10	49.20
U1123	23/64	2-3/4	4-1/4	92.8	68.30	56.90
U1124	3/8	2-3/4	4-1/4	101.1	64.60	53.80
U1125	25/64	2-7/8	4-1/2	116.1	84.90	70.80
U1126	13/32	2-7/8	4-1/2	125.6	87.70	73.10
U1127	27/64	2-7/8	4-1/2	135.5	100.60	83.80
U1128	7/16	2-7/8	4-1/2	145.7	103.40	86.20
U1129	29/64	3"	4-3/4	164.9	118.20	98.50
U1130	15/32	3"	4-3/4	176.5	120.00	100.00
U1131	31/64	3"	4-3/4	188.5	131.10	109.20
U1132	1/2	3"	4-3/4	200.8	120.00	100.00
U1133	17/32	4"	6"	286.4	216.00	180.00
U1134	9/16	4"	6"	321.1	232.60	193.80
U1135	19/32	4"	6"	357.7	267.70	223.10
U1136	5/8	4"	6"	396.4	258.50	215.40
U1137	21/32	4"	6"	437.0	304.60	253.80
U1138	11/16	4"	6"	479.6	310.20	258.50
U1139	3/4	4"	6"	570.8	347.10	289.20
U1140	13/16	4"	6"	669.9	494.80	412.30
U1141	7/8	4"	6"	776.9	526.20	438.50
U1142	15/16	4"	6"	891.9	526.20	438.50
U1143	1"	4"	6"	1014.7	489.20	407.70

Code	Dia. Metric	LOF	OAL	WT g	Retail USD	Dealer USD
U1151	1.0	13	38	0.4	12.90	10.80
U1152	1.5	19	38	0.9	12.90	10.80
U1153	2.0	22	44	1.8	13.10	10.90
U1154	2.5	25	50	3.2	14.80	12.30
U1155	3.0	32	57	5.3	16.60	13.80
U1156	3.22	31	52	5.6	16.60	13.80
U1157	3.5	35	63	8.0	18.50	15.40
U1158	4.0	35	63	10.4	21.20	17.70
U1159	4.5	41	70	14.6	24.90	20.80
U1160	5.0	44	76	19.6	26.80	22.30
U1161	5.5	44	76	23.7	31.40	26.20
U1162	6.0	50	82	30.5	35.10	29.20
U1163	6.5	50	82	35.8	42.50	35.40
U1164	7.0	54	89	45.0	46.20	38.50
U1165	7.5	60	95	55.2	49.80	41.50
U1166	8.0	60	95	62.7	54.50	45.40
U1167	8.5	63	101	75.3	62.80	52.30
U1168	9.0	70	108	90.3	64.60	53.80
U1169	9.5	70	108	100.6	74.80	62.30
U1170	10.0	73	114	117.7	84.90	70.80
U1171	10.5	73	114	129.7	103.40	86.20
U1172	11.0	73	114	142.4	105.20	87.70
U1173	11.5	76	120	163.8	123.70	103.10
U1174	12.0	76	120	178.3	131.10	109.20
U1175	12.5	76	120	193.5	138.50	115.40

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.

Lotchware Equipment Supply

<http://www.lotchsupply.com>
email: enq@lotchsupply.com

Freight Cost Includes

ULTRATOOL Carbide Tool
SOLID CARBIDE ENDMILL
SQUARE, BALL END 2-FL, 4-FL



Feb 2008

::Endmill Square End 2-FL, 4-FL::

Code	Dia. Fractional	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1201	1/64	3/64	1-1/2	1/8	4.0	19.40	16.20
U1202	1/32	3/32	1-1/2	1/8	4.0	14.80	12.30
U1203	3/64	3/16	1-1/2	1/8	4.0	14.80	12.30
U1204	1/16	3/16	1-1/2	1/8	4.0	12.60	10.50
U1205	5/64	1/4	1-1/2	1/8	4.0	13.50	11.20
U1206	3/32	3/8	1-1/2	1/8	4.0	12.20	10.20
U1207	7/64	1/2	1-1/2	1/8	4.0	13.30	11.10
U1208	1/8	1/2	1-1/2	1/8	4.0	10.90	9.10
U1209	9/64	1/2	2"	3/16	11.9	18.50	15.40
U1210	5/32	9/16	2"	3/16	11.9	16.80	14.00
U1211	11/64	9/16	2"	3/16	11.9	18.50	15.40
U1212	3/16	5/8	2"	3/16	11.9	15.70	13.10
U1213	13/64	5/8	2-1/2	1/4	26.4	23.10	19.20
U1214	7/32	5/8	2-1/2	1/4	26.4	21.20	17.70
U1215	15/64	3/4	2-1/2	1/4	26.4	23.10	19.20
U1216	1/4	3/4	2-1/2	1/4	26.4	18.50	15.40
U1217	17/64	3/4	2-1/2	5/16	41.3	32.30	26.90
U1218	9/32	3/4	2-1/2	5/16	41.3	32.30	26.90
U1219	19/64	13/16	2-1/2	5/16	41.3	32.30	26.90
U1220	5/16	13/16	2-1/2	5/16	41.3	25.80	21.50
U1221	21/64	13/16	2-1/2	3/8	59.5	39.70	33.10
U1222	11/32	13/16	2-1/2	3/8	59.5	39.70	33.10
U1223	23/64	1"	2-1/2	3/8	59.5	39.70	33.10
U1224	3/8	1"	2-1/2	3/8	59.5	31.40	26.20
U1225	25/64	1"	2-3/4	7/16	89.0	52.60	43.80
U1226	13/32	1"	2-3/4	7/16	89.0	52.60	43.80
U1227	27/64	1"	2-3/4	7/16	89.0	52.60	43.80
U1228	7/16	1"	2-3/4	7/16	89.0	44.30	36.90
U1229	29/64	1"	3"	1/2	126.8	60.00	50.00
U1230	15/32	1"	3"	1/2	126.8	60.00	50.00
U1231	31/64	1"	3"	1/2	126.8	60.00	50.00
U1232	1/2	1"	3"	1/2	126.8	51.70	43.10
U1233	9/16	1-1/4	3-1/2	9/16	187.3	88.60	73.80
U1234	5/8	1-1/2	3-1/2	5/8	231.2	97.80	81.50
U1235	11/16	1-1/2	4"	3/4	380.5	147.70	123.10
U1236	3/4	1-1/2	4"	3/4	380.5	136.60	113.80
U1237	7/8	1-1/2	4"	7/8	517.9	216.00	180.00
U1238	1"	1-1/2	4"	1"	676.5	225.20	187.70
U1239	1-1/4	2"	4-1/2	1-1/4	1,189.1	664.60	553.80

Code	Dia. Fractional	LOC Long	OAL	Sha.	WT g	Retail USD	Dealer USD
U1251	1/8	3/4	2"	1/8	5.3	16.60	13.80
U1252	1/8	1"	3"	1/8	7.9	24.90	20.80
U1253	5/32	1-1/4	3"	3/16	17.8	24.90	20.80
U1254	3/16	1-1/4	3"	3/16	17.8	26.80	22.30
U1255	1/4	1-1/2	4"	1/4	42.3	35.10	29.20
U1256	1/4	1-1/2	6"	1/4	63.4	47.10	39.20
U1257	5/16	1-1/8	3"	5/16	49.5	40.60	33.80
U1258	5/16	1-5/8	4"	5/16	66.1	46.20	38.50
U1259	5/16	1-1/2	6"	5/16	99.1	68.30	56.90
U1260	3/8	2"	4"	3/8	95.1	50.80	42.30
U1261	3/8	3"	6"	3/8	142.7	73.80	61.50
U1262	7/16	2"	4"	7/16	129.5	74.80	62.30
U1263	1/2	2"	4"	1/2	169.1	74.80	62.30
U1264	1/2	3"	6"	1/2	253.7	107.10	89.20
U1265	9/16	3"	6"	9/16	321.1	140.30	116.90
U1266	5/8	2-1/2	5"	5/8	330.3	147.70	123.10
U1267	5/8	3"	6"	5/8	396.4	153.20	127.70
U1268	3/4	2-1/2	5"	3/4	475.7	225.20	187.70
U1269	3/4	3"	6"	3/4	570.8	243.70	203.10
U1270	1"	3"	6"	1"	1,014.7	406.20	338.50
U1271	1"	4"	7"	1"	1,183.9	550.20	458.50
U1272	1-1/4	3"	6"	1-1/4	1,585.5	876.90	730.80

Suffix 2F = 2-FL, 4F = 4-FL Profile

Suffix 2F = 2-FL, 4F = 4-FL Profile

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.

Freight Cost Includes

ULTRATOOL Carbide Tool SOLID CARBIDE ENDMILL

::Endmill Square End 2-FL, 4-FL:: (con'd)

Code	Dia. Metric	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1281	1.0	3	38	3.0	3.5	14.80	12.30
U1282	1.5	4.5	38	3.0	3.5	13.80	11.50
U1283	2.0	6.3	38	3.0	3.5	13.80	11.50
U1284	2.5	9.5	38	3.0	3.5	12.90	10.80
U1285	3.0	12	38	3.0	3.5	11.40	9.50
U1286	3.5	12	50	4.0	8.3	18.50	15.40
U1287	4.0	14	50	4.0	8.3	17.00	14.20
U1288	4.5	16	50	5.0	12.9	20.30	16.90
U1289	5.0	16	50	5.0	12.9	18.80	15.70
U1290	6.0	19	50	6.0	18.6	19.40	16.20
U1291	7.0	20	60	7.0	30.3	28.10	23.40
U1292	8.0	20	63	8.0	41.6	27.30	22.80
U1293	9.0	20	63	9.0	52.7	38.80	32.30
U1294	10.0	22	70	10.0	72.2	43.40	36.20
U1295	12.0	22	76	12.0	112.9	52.60	43.80
U1296	14.0	25	89	14.0	180.0	92.30	76.90
U1297	16.0	32	89	16.0	235.1	99.70	83.10
U1298	18.0	38	101	18.0	337.7	171.70	143.10
U1299	20.0	38	101	20.0	416.9	190.20	158.50
U1300	22.0	38	101	22.0	504.5	245.50	204.60
U1301	25.0	38	101	25.0	651.5	240.00	200.00

Suffix 2F = 2-FL, 4F = 4-FL Profile

::Endmill Ballnose 2-FL, 4-FL::

Code	Dia. Fractional	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1331	1/64	3/64	1-1/2	1/8	4.0	24.90	20.80
U1332	1/32	3/32	1-1/2	1/8	4.0	18.50	15.40
U1333	3/64	3/16	1-1/2	1/8	4.0	18.50	15.40
U1334	1/16	3/16	1-1/2	1/8	4.0	16.20	13.50
U1335	5/64	1/4	1-1/2	1/8	4.0	17.00	14.20
U1336	3/32	3/8	1-1/2	1/8	4.0	15.90	13.20
U1337	7/64	1/2	1-1/2	1/8	4.0	16.60	13.80
U1338	1/8	1/2	1-1/2	1/8	4.0	14.40	12.00
U1339	9/64	1/2	2"	3/16	11.9	22.20	18.50
U1340	5/32	9/16	2"	3/16	11.9	21.20	17.70
U1341	11/64	9/16	2"	3/16	11.9	22.20	18.50
U1342	3/16	5/8	2"	3/16	11.9	19.90	16.60
U1343	13/64	5/8	2-1/2	1/4	26.4	27.70	23.10
U1344	7/32	5/8	2-1/2	1/4	26.4	26.80	22.30
U1345	15/64	3/4	2-1/2	1/4	26.4	27.70	23.10
U1346	1/4	3/4	2-1/2	1/4	26.4	24.00	20.00
U1347	17/64	3/4	2-1/2	5/16	41.3	38.80	32.30
U1348	9/32	3/4	2-1/2	5/16	41.3	38.80	32.30
U1349	19/64	13/16	2-1/2	5/16	41.3	38.80	32.30
U1350	5/16	13/16	2-1/2	5/16	41.3	33.20	27.70
U1351	21/64	13/16	2-1/2	3/8	59.5	47.10	39.20
U1352	11/32	13/16	2-1/2	3/8	59.5	47.10	39.20
U1353	23/64	1"	2-1/2	3/8	59.5	47.10	39.20
U1354	3/8	1"	2-1/2	3/8	59.5	39.70	33.10
U1355	25/64	1"	2-3/4	7/16	89.0	62.80	52.30
U1356	13/32	1"	2-3/4	7/16	89.0	62.80	52.30
U1357	27/64	1"	2-3/4	7/16	89.0	62.80	52.30
U1358	7/16	1"	2-3/4	7/16	89.0	57.20	47.70
U1359	29/64	1"	3"	1/2	126.8	72.00	60.00
U1360	15/32	1"	3"	1/2	126.8	72.00	60.00
U1361	31/64	1"	3"	1/2	126.8	72.00	60.00
U1362	1/2	1"	3"	1/2	126.8	65.50	54.60
U1363	9/16	1-1/4	3-1/2	9/16	187.3	116.30	96.90
U1364	5/8	1-1/2	3-1/2	5/8	231.2	123.70	103.10
U1365	11/16	1-1/2	4"	3/4	380.5	193.80	161.50
U1366	3/4	1-1/2	4"	3/4	380.5	179.10	149.20
U1367	7/8	1-1/2	4"	7/8	517.9	282.50	235.40
U1368	1"	1-1/2	4"	1"	676.5	282.50	235.40

Suffix 2F = 2-FL, 4F = 4-FL Profile

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.

Freight Cost Includes

Code	Dia. Metric Long	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1311	3.0	25	76	3.0	7.1	24.90	20.80
U1312	4.0	28	76	4.0	12.5	28.60	23.80
U1313	5.0	32	76	5.0	19.6	35.10	29.20
U1314	6.0	38	76	6.0	28.2	35.10	29.20
U1315	8.0	40	101	8.0	66.7	46.20	38.50
U1316	10.0	50	101	10.0	104.2	72.00	60.00
U1317	12.0	50	101	12.0	150.1	77.50	64.60
U1318	12.0	76	152	12.0	225.9	108.90	90.80
U1319	14.0	76	152	14.0	307.5	144.00	120.00
U1320	16.0	64	127	16.0	335.5	169.80	141.50
U1321	16.0	76	152	16.0	401.6	173.50	144.60
U1322	18.0	76	152	18.0	508.3	243.70	203.10
U1323	20.0	76	152	20.0	627.5	356.30	296.90
U1324	25.0	76	152	25.0	980.4	420.90	350.80

Suffix 2F = 2-FL, 4F = 4-FL Profile

Code	Dia. Fractional Long	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1371	1/8	3/4	2"	1/8	5.3	20.30	16.90
U1372	1/8	1"	3"	1/8	7.9	29.50	24.60
U1373	3/16	1-1/4	3"	3/16	17.8	33.20	27.70
U1374	1/4	1-1/2	4"	1/4	42.3	42.50	35.40
U1375	5/16	1-1/8	3"	5/16	49.5	48.00	40.00
U1376	3/8	2"	4"	3/8	95.1	61.80	51.50
U1377	7/16	2"	4"	7/16	129.5	88.60	73.80
U1378	1/2	2"	4"	1/2	169.1	89.50	74.60
U1379	5/8	2-1/2	5"	5/8	330.3	173.50	144.60
U1380	3/4	3"	6"	3/4	570.8	286.20	238.50
U1381	1"	3"	6"	1"	1,014.7	498.50	415.40

Suffix 2F = 2-FL, 4F = 4-FL Profile

ULTRATOOL Carbide Tool SOLID CARBIDE ENDMILL

::Endmill Ballnose 2-FL, 4-FL:: (con'd)

Code	Dia. Metric	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1401	1.0	3	38	3.0	3.5	18.50	15.40
U1402	1.5	4.5	38	3.0	3.5	16.60	13.80
U1403	2.0	6.3	38	3.0	3.5	16.60	13.80
U1404	2.5	9.5	38	3.0	3.5	15.70	13.10
U1405	3.0	12	38	3.0	3.5	14.80	12.30
U1406	3.5	12	50	4.0	8.3	22.20	18.50
U1407	4.0	14	50	4.0	8.3	21.20	17.70
U1408	4.5	16	50	5.0	12.9	25.80	21.50
U1409	5.0	16	50	5.0	12.9	24.00	20.00
U1410	6.0	19	50	6.0	18.6	24.00	20.00
U1411	7.0	20	60	7.0	30.3	35.10	29.20
U1412	8.0	20	63	8.0	41.6	34.20	28.50
U1413	9.0	20	63	9.0	52.7	48.00	40.00
U1414	10.0	22	70	10.0	72.2	55.40	46.20
U1415	12.0	22	76	12.0	112.9	66.50	55.40
U1416	14.0	25	89	14.0	180.0	116.30	96.90
U1417	16.0	32	89	16.0	235.1	129.20	107.70
U1418	16.0	23	74	16.0	195.5	129.20	107.70
U1419	16.0	32	89	16.0	235.1	129.20	107.70
U1420	16.0	28	87	16.0	229.9	129.20	107.70
U1421	18.0	38	101	18.0	337.7	216.00	180.00
U1422	20.0	38	101	20.0	416.9	240.00	200.00
U1423	22.0	38	101	22.0	504.5	304.60	253.80
U1424	25.0	38	101	25.0	651.5	304.60	253.80

Code	Dia. Metric Long	LOC	OAL	Sha.	WT g	Retail USD	Dealer USD
U1431	3.0	25	76	3.0	7.1	30.50	25.40
U1432	4.0	28	76	4.0	12.5	34.20	28.50
U1433	5.0	32	76	5.0	19.6	40.60	33.80
U1434	6.0	38	76	6.0	28.2	42.50	35.40
U1435	8.0	40	101	8.0	66.7	55.40	46.20
U1436	10.0	50	101	10.0	104.2	86.80	72.30
U1437	12.0	50	101	12.0	150.1	92.30	76.90
U1438	16.0	64	127	16.0	335.5	204.90	170.80
U1439	20.0	76	152	20.0	627.5	428.30	356.90
U1440	25.0	76	152	25.0	980.4	504.00	420.00

Suffix 2F = 2-FL, 4F = 4-FL Profile

Suffix 2F = 2-FL, 4F = 4-FL Profile

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.

Freight Cost Includes

ULTRATOOL Carbide Tool REAMER



Feb 2008

Code	Dia. Fractional	LOC	OAL	Sha.	FL	WT g	Retail USD	Dealer USD
U1501	1/32	3/8	1-1/2	1/32	4	0.2	27.70	23.10
U1502	3/64	3/8	1-1/2	1/32	4	0.2	26.80	22.30
U1503	1/16	3/8	1-1/2	3/64	4	0.6	28.60	23.80
U1504	5/64	1/2	2"	1/16	4	1.3	30.50	25.40
U1505	3/32	1/2	2"	5/64	4	2.1	29.50	24.60
U1506	7/64	5/8	2-1/4	3/32	4	3.3	34.20	28.50
U1507	1/8	5/8	2-1/4	7/64	4	4.6	34.20	28.50
U1508	9/64	3/4	2-1/2	1/8	4	6.6	42.50	35.40
U1509	5/32	3/4	2-1/2	9/64	4	8.4	41.50	34.60
U1510	11/64	7/8	2-3/4	5/32	4	11.4	48.90	40.80
U1511	3/16	7/8	2-3/4	11/64	4	13.7	48.00	40.00
U1512	13/64	1"	3"	3/16	6	17.8	55.40	46.20
U1513	7/32	1"	3"	3/16	6	17.8	56.30	46.90
U1514	15/64	1"	3"	7/32	6	24.3	68.30	56.90
U1515	1/4	1"	3"	7/32	6	24.3	66.50	55.40
U1516	17/64	1-1/8	3-1/4	1/4	6	34.4	79.40	66.20
U1517	9/32	1-1/8	3-1/4	1/4	6	34.4	79.40	66.20
U1518	19/64	1-1/8	3-1/4	9/32	6	43.5	87.70	73.10
U1519	5/16	1-1/8	3-1/4	9/32	6	43.5	84.90	70.80
U1520	21/64	1-1/4	3-1/2	5/16	6	57.8	103.40	86.20
U1521	11/32	1-1/4	3-1/2	5/16	6	57.8	103.40	86.20
U1522	23/64	1-1/4	3-1/2	11/32	6	69.9	108.90	90.80
U1523	3/8	1-1/4	3-1/2	11/32	6	69.9	105.20	87.70
U1524	25/64	1-1/2	4"	3/8	6	95.1	123.70	103.10
U1525	13/32	1-1/2	4"	3/8	6	95.1	123.70	103.10
U1526	27/64	1-1/2	4"	13/32	6	111.6	135.70	113.10
U1527	7/16	1-1/2	4"	13/32	6	111.6	131.10	109.20
U1528	29/64	1-1/2	4"	7/16	6	129.5	147.70	123.10
U1529	15/32	1-1/2	4"	7/16	6	129.5	147.70	123.10
U1530	31/64	1-1/2	4"	15/32	6	148.6	156.90	130.80
U1531	1/2	1-1/2	4"	15/32	6	148.6	149.50	124.60

Code	Dia. Metric	LOC	OAL	Sha.	FL	WT g	Retail USD	Dealer USD
U1561	1.0	9	38	0.7	4	0.2	27.70	23.10
U1562	1.5	9	38	1.1	4	0.5	29.50	24.60
U1563	2.0	12	51	1.5	4	1.2	29.50	24.60
U1564	2.5	16	57	2.3	4	3.1	34.20	28.50
U1565	3.0	16	57	2.7	4	4.3	34.20	28.50
U1566	3.5	19	63	3.1	4	6.2	42.50	35.40
U1567	4.0	19	63	3.5	4	8.0	41.50	34.60
U1568	4.5	25	70	4.3	4	13.4	49.80	41.50
U1569	5.0	25	76	4.7	6	17.3	56.30	46.90
U1570	5.5	25	76	4.7	6	17.3	58.20	48.50
U1571	6.0	25	76	5.5	6	23.7	66.50	55.40
U1572	6.5	28	76	6.3	6	31.1	79.40	66.20
U1573	7.0	28	82	6.3	6	33.6	76.60	63.80
U1574	7.5	28	82	7.1	6	42.7	87.70	73.10
U1575	8.0	28	82	7.1	6	42.7	84.90	70.80
U1576	8.5	32	89	7.9	6	57.3	103.40	86.20
U1577	9.0	32	89	8.7	6	69.5	105.20	87.70
U1578	9.5	32	89	8.7	6	69.5	108.90	90.80
U1579	10.0	38	101	9.5	6	94.1	118.20	98.50
U1580	10.5	38	101	10.3	6	110.6	135.70	113.10
U1581	11.0	38	101	10.3	6	110.6	131.10	109.20
U1582	11.5	38	101	11.1	6	128.4	145.80	121.50
U1583	12.0	38	101	11.1	6	128.4	141.20	117.70
U1584	12.5	38	101	11.9	6	147.6	156.90	130.80

Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.

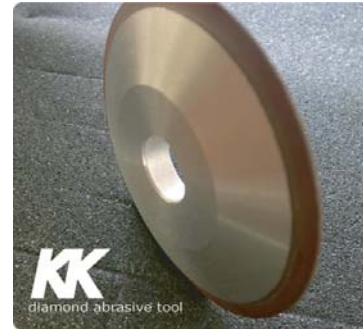
Freight Cost Includes

KK Diamond Grinding Wheel Type 11A2

Feb 2008



Code	Tool	Size mm	Diamond Area	Grit# / Con%	WT gm/pc	Retail USD	Dealer USD
50001	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 10	150 / 75	285.6	46.40	25.80
50002	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 5	150 / 75	285.6	46.40	25.80
50003	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 10	280 / 75	285.6	55.40	30.80
50004	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 5	280 / 75	285.6	55.40	30.80
50005	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 10	500 / 75	285.6	59.90	33.30
50006	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 5	500 / 75	285.6	59.90	33.30
50007	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 10	800 / 75	285.6	69.30	38.50
50008	KK Diamond Grinding Wheel Cup	100 x 30 x 20	3 x 5	800 / 75	285.6	69.30	38.50



KK Diamond Cut-Off Disc

Code	Tool	Size mm	Diamond Area	Grit# / Con%	WT gm/pc	Retail USD	Dealer USD
50501	KK Diamond Cut-off Disc	100 x 20	5	120 / 75	136.6	17.10	9.50











Remarks

- Price & Weight(in gm) indicates 1pc
- MOQ Required
- Special quo for unlisted & customizable spec.











Freight Cost Includes

KK Diamond Needle File











Feb 2008

Code	Type	Section	Width mm	Thickness mm	Shank mm	Grit mm	OAL mm	Weight set/gm	Retail SET/USD	Dealer SET/USD
50801	KK Diamond Needle File Set - 140mm OAL, uniquely 10pcs./pack - Straight Set									
50802	KK Diamond Needle File Set - 140mm OAL, uniquely 10pcs./pack - Riffler Set									
	Pillar		5.7	1.3	3	150	140	8.2		
	Half Round		5.5	1.8	3	150	140	8.2		
	Square		2.7		3	150	140	8.2		
	Triangular		3.8	3.3	3	150	140	8.2		
	Round		3.0		3	150	140	8.2		
	Crochet		5.2	1.3	3	150	140	8.2		
	Knife		5.4	b:1.8 e:1.0	3	150	140	8.2		
	Barrette		5.1	2.1	3	150	140	8.2		
	Crossing		5.2	2.0	3	150	140	8.2		
	Oval		3.5	2.7	3	150	140	8.2		



Code	Type	Section	Width mm	Thickness mm	Shank mm	Grit mm	OAL mm	Weight set/gm	Retail SET/USD	Dealer SET/USD
50803	KK Diamond Needle File Set - 160mm OAL, uniquely 10pcs./pack - Straight Set									
50804	KK Diamond Needle File Set - 160mm OAL, uniquely 10pcs./pack - Riffler Set									
	Pillar		8.0	2.0	4	150	160	15.1		
	Half Round		6.5	2.5	4	150	160	15.1		
	Square		3.6		4	150	160	15.1		
	Triangular		5.0	4.3	4	150	160	15.1		
	Round		4.0		4	150	160	15.1		
	Crochet		7.0	2.0	4	150	160	15.1		
	Knife		7.0	b:2.5 e:1.0	4	150	160	15.1		
	Barrette		7.0	3.0	4	150	160	15.1		
	Crossing		7.0	2.7	4	150	160	15.1		
	Oval		4.5	3.6	4	150	160	15.1		



Code	Type	Section	Width mm	Thickness mm	Shank mm	Grit mm	OAL mm	Weight set/gm	Retail SET/USD	Dealer SET/USD
50805	KK Diamond Needle File Set - 180mm OAL, uniquely 10pcs./pack - Straight Set									
50806	KK Diamond Needle File Set - 180mm OAL, uniquely 10pcs./pack - Riffler Set									
	Pillar		9.4	2.1	5	150	180	23.1		
	Half Round		8.5	2.9	5	150	180	23.1		
	Square		4.4		5	150	180	23.1		
	Triangular		6.2	5.4	5	150	180	23.1		
	Round		5.0		5	150	180	23.1		
	Crochet		9.4	2.2	5	150	180	23.1		
	Knife		8.5	b:3.0 e:1.0	5	150	180	23.1		
	Barrette		7.5	4.0	5	150	180	23.1		
	Crossing		8.0	3.5	5	150	180	23.1		
	Oval		5.7	4.6	5	150	180	23.1		



Remarks

- Price & Weight(in gm) indicates 1set(10pcs.)
- MOQ Required
- Special quo for unlisted & customizable spec.

Freight Cost Includes