

Diamond Drill Bits for CNC Drill

Amplex Bits

Vendor: Keen Cut Products, Frank or Dee, 510.785.5168

Manufacturer: 800.635.1992

Catalog:

<http://www.amplexabrasives.com/Media/Documents/S0000000000000001076/Micro%20Drills%20and%20Routers.pdf>

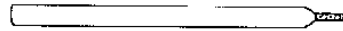
FEATURES

- Nickel alloy matrix
- Single layer of abrasive
- Exposed particles

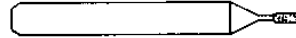
BENEFITS

- Tough, durable bond
- Economical
- Aggressive cutting action

A modification of Amplex mounted points, these tools are specifically designed for drilling holes in the .007" to .065" diameter range. Perfect for drilling sapphire and high density alumina ceramics for hybrid micro circuit substrates.



M SERIES



S SERIES

UPC NO.	PRODUCT NO.	DIAMETER INCHES	HEAD LENGTH	OVERALL LENGTH	GRIT SIZE
M-Series - Diamond Micro Drills					
Shank Diameter .040" (1MM)					
66260395516	M7	.007	.028	11/16	600
66260395517	M10	.010	.049	11/16	400
66260395518	M12	.012	.056	13/16	325
66260395519	M15	.015	.077	13/16	325

Carefully sized, uniformly shaped diamond particles are used on all M-Series drills.

UPC NO.	PRODUCT NO.	DIAMETER INCHES	HEAD LENGTH	NECK LENGTH	GRIT SIZE
S-Series - Diamond Micro Drills					
1/8" Shank x 1" Overall Length					
Recommended for adapting to ultrasonic drill heads					
66260395520	S16FD	.016	.062	.093	200
66260392841	S18FD	.018	.062	.125	200
66260395521	S20FD	.020	.062	.125	200
66260395522	S25FD	.025	.093	.156	200
66260395523	S30MD	.030	.093	.156	150
66260395524	S35MD	.035	.093	.187	150
66260395525	S40MD	.040	.125	.218	150
66260395526	S45CD	.045	.125	.218	100
66260395527	S50CD	.050	.125	.250	100
66260395528	S60CD	.060	.125	.312	100
66260395529	S65CD	.065	.125	.312	100

1/8" Shank x 1" Overall Length

Recommended for adapting to ultrasonic drill heads

66260395520	S16FD	.016	.062	.093	200
66260392841	S18FD	.018	.062	.125	200
66260395521	S20FD	.020	.062	.125	200
66260395522	S25FD	.025	.093	.156	200
66260395523	S30MD	.030	.093	.156	150
66260395524	S35MD	.035	.093	.187	150
66260395525	S40MD	.040	.125	.218	150
66260395526	S45CD	.045	.125	.218	100
66260395527	S50CD	.050	.125	.250	100
66260395528	S60CD	.060	.125	.312	100
66260395529	S65CD	.065	.125	.312	100

Dia (in)	Dia (mm)	upc	p/n
0.01	0.25	66260395517	M10
0.02	0.5	66260395521	S20FD
0.012	0.3048	66260395518	M12
0.016	0.4064	66260395520	S16FD

Crystalite:

www.crystalite.com

ph

800.877.2894

fax

740.548.7617

Customer #: Cust 11971



TRIPLE RIPPLE™ DRILL

Twice the life and cutting rate of standard diamond drills. This music wire diamond drill has three flutes to allow cuttings to flush away and decreases frontal contact and drag. As the edges wear, fresh diamond in the flutes maintains the cutting action.

MM	PKG. OF 6	PKG. OF 25	PKG. OF 100
.75	C5210890	C5220890	C5250890
1.10	C5210910	C5220910	C5250910
1.40	C5210930	C5220930	C5250930
1.80	C5210950	C5220950	C5250950
2.10	C5210970	C5220970	C5250970

Part No.	Description	List price
C5220930	Triple Ripple™ 1.40mm (25 pkg)	\$70.00
C5220950	Triple Ripple™ 1.80mm (25 pkg)	\$70.00
C5220970	Triple Ripple™ 2.10mm (25 pkg)	\$70.00
C5243310	Disc Protector™, Screwback style	\$5.00
C5243320	Disc Protector™, Arbor hole style.....	\$5.00
C5250510	Drill .75mm (100 pkg).....	\$165.00
C5250530	Drill 1.00mm (100 pkg).....	\$165.00
C5250550	Drill 1.25mm (100 pkg).....	\$165.00
C5250570	Drill 1.50mm (100 pkg).....	\$165.00
C5250590	Drill 2.00mm (100 pkg).....	\$165.00
C5250610	Drill 2.50mm (100 pkg).....	\$165.00
C5250890	Triple Ripple™ .75mm (100 pkg)	\$200.00
C5250910	Triple Ripple™ 1.10mm (100 pkg)	\$200.00
C5250930	Triple Ripple™ 1.40mm (100 pkg)	\$200.00
C5250950	Triple Ripple™ 1.80mm (100 pkg)	\$200.00
C5250970	Triple Ripple™ 2.10mm (100 pkg)	\$200.00

dia (mm)	price	qty	stock
0.75 C5250890	200	100	1
1.1 C5250910	200	100	2
1.4 C5250930	200	100	3 wks
1.8 C5250950	200	100	1

University of California, Santa Barbara

Mechanical & Environmental Engineering

REQUEST TYPE: LV SB VB

TODAY'S DATE: _____

ACCOUNT # TO BE CHARGED: _____

REQUESTER: _____

EMAIL: _____

TELEPHONE: _____

UC PROPERTY #: _____

(REQUIRED FOR REPAIRS, REPLACEMENT PARTS, SYSTEM ADD-ONS)

DATE NEEDED: _____
(Not ASAP)

PURCHASE ORDER # _____

Suggested Vendor _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Comments: Order confirmation to Fax 805/893-8651 or email to requestor. Thank you.

DELIVER TO: Mechanical Engineering
Engineering II, Room 2355
University of California
Santa Barbara, CA 93106-5070

INVOICE IN DUPLICATE TO:
UNIVERSITY OF CALIFORNIA
ACCOUNTING OFFICE
ROOM 3201 SAASB BLDG.
SANTA BARBARA, CA 93106-2040

FINANCIAL EXT 805/893-5835

F.O.B.	<input type="checkbox"/> UCSB <input type="checkbox"/> FREIGHT ADDED	Ship Via	Price By : or Quote #	Terms Net 30
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QTY	UNIT	CATALOG NO.	DESCRIPTION	UNIT COST	TOTAL
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

DEPT. USE ONLY

ELC or LV _____

FORM # _____

Date	Initials
<input type="checkbox"/> L.O.C.	<input type="checkbox"/>
<input type="checkbox"/> Liened	<input type="checkbox"/>
<input type="checkbox"/> Entered on ReX	<input type="checkbox"/>
<input type="checkbox"/> Released	<input type="checkbox"/>
<input type="checkbox"/> Re-released	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

	TOTAL
	TAX (@ 7.75%)
	SHIPPING
	GRAND TOTAL*

Authorized Signature Date

UNIVERSITY OF CALIFORNIA

SANTA BARBARA, CA 93106

PURCHASE
AUTHORIZATION NUMBER

REQUEST FOR DELIVERY

CONFIRMING ORDER YES NO

PLEASE SHOW THE ABOVE
NUMBER ON ALL DOCUMENTS
AND CONTAINERS

ISSUED TO:

Keen Kut Products
3190 Diablo Ave.
Hayward, CA 94545

Phone: (510)785-5168
Fax: (510)785-9860

SEND INVOICE AND DELIVER TO:

University of California
California Nanosystems Institute
Room 3241 CNSI
Santa Barbara, CA 93106
Attn: David Bothman

F.O.B.	<input type="checkbox"/> UCSB (DESTINATION)	<input type="checkbox"/> FREIGHT ALLOWED	SHIP	UPS	PRICE	Dee	<input type="checkbox"/> 2% 30
	<input type="checkbox"/> SHIPPING POINT	<input type="checkbox"/> FREIGHT ADDED	VIA		BY		<input type="checkbox"/> N/30 <input type="checkbox"/>

PLEASE DELIVER THE MATERIAL OR SERVICES LISTED BELOW, AT PRICES QUOTED BY VENDOR
OR AS PROVIDED UNDER OUR AGREEMENT NUMBER _____.

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL COST
20	0.5 mm Crystalite diamond drills, p/s S20FD	\$10.80	\$216.00
	Quote attached		
	Subtotal		\$216.00
	7.75% Tax		\$16.74
	shipping		\$17.00

LESS DISCOUNT % _____

TOTAL \$ \$249.74

ORDERING DEPT. USE ONLY
ONR-YIP - Soh

AUTHORIZED SIGNATURE _____

PHONE NUMBER _____

California NanoSystems Institute

DEPARTMENT

DATE _____

WHITE COPY TO VENDOR
CANARY COPY TO DEPARTMENT
71485-138