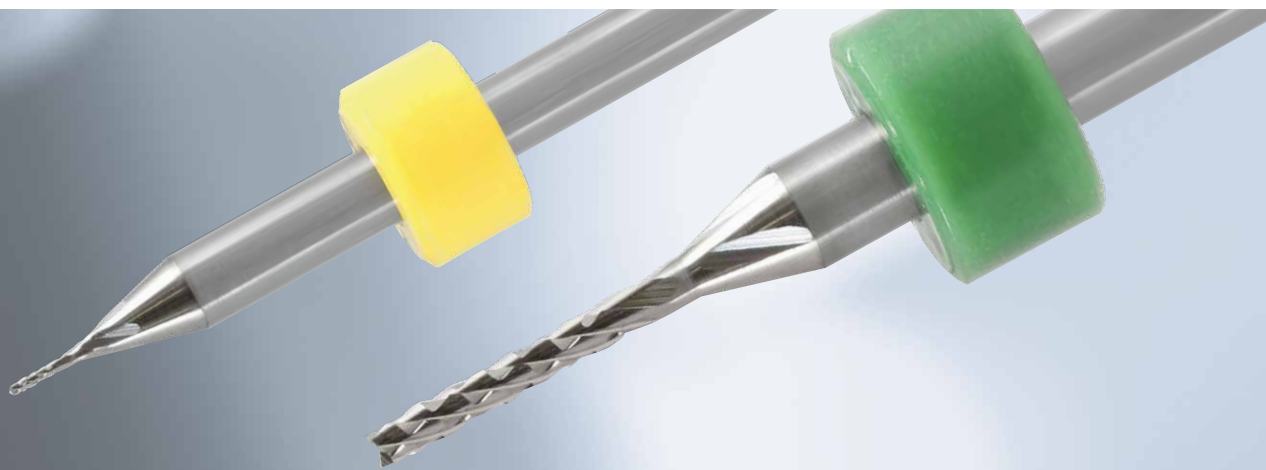




Series 4100

Cross Cut Printed Circuit Board Routers



Superior Edge Finish and Excellent Repeatability

High strength

Superior edge finish

Great for a variety of applications

Chipbreaker and Diamond Cut styles available



Series 4100

Cross Cut Routers

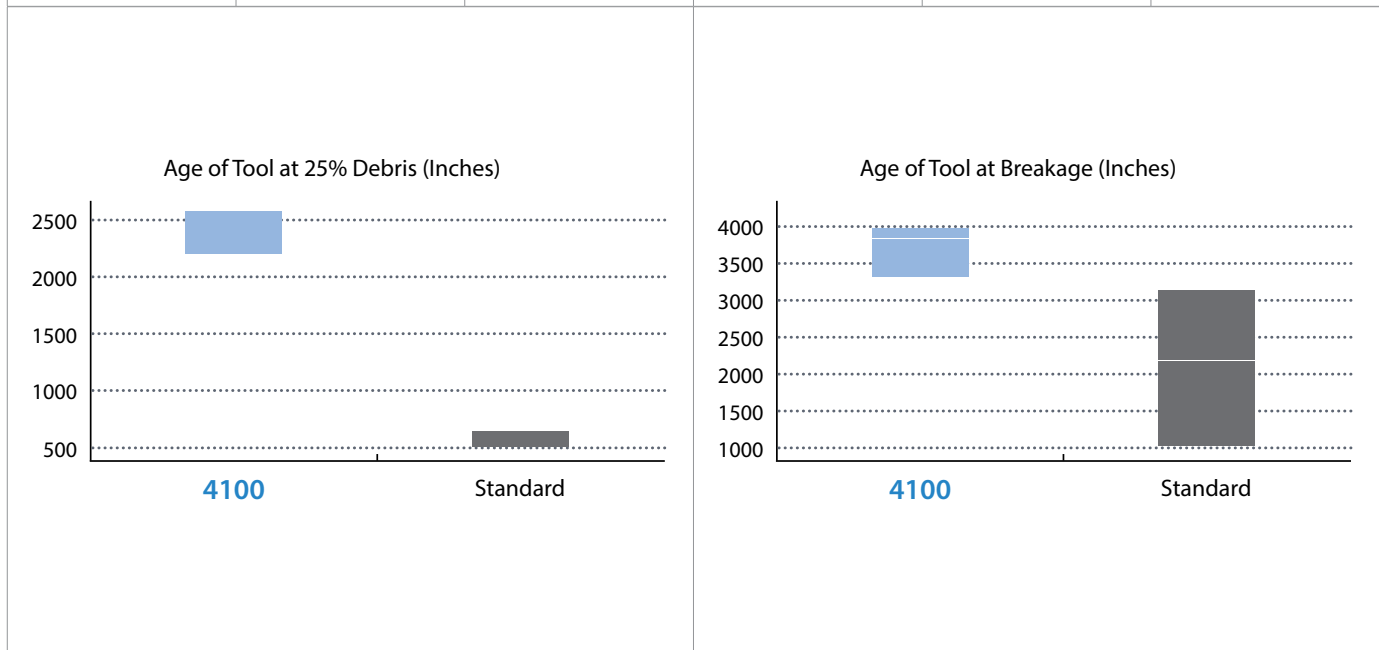
Driving down the costs in drill and fab operations has been the value proposition of Kyocera Precision Tools since its founding in 1987. As part of this proposition, Kyocera Precision Tools introduces a revolutionary router design that outlasts previous router designs on a variety of applications. The 4100 tool design combines the advantages of the classical Chipbreaker and Diamond Cut designs to provide a high strength, superior edge finish, long lasting router.

Series 4100 Performance

Lab and beta site tests were conducted to ensure the product performed at an improved level that is both reliable and repeatable. Test data is summarized below.

Testing Parameters	
Material :	High Tg
Thickness :	0.177"
Diameter :	0.0630"

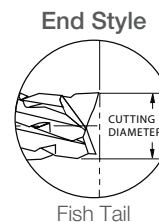
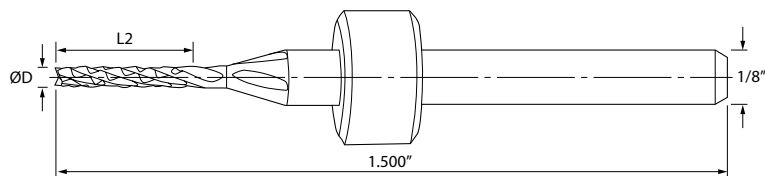
Distance to Debris			Distance to Breakage		
	Distance (inches)			Distance (inches)	
Design	Mean	StdDev	Design	Mean	StdDev
standard	560	80	standard	2,119	1,554
Series 4100	2,453	184	Series 4100	3,757	342
p-value:	0.000		p-value:	0.030	



Cross Cut

Updraft Fish Tail Routers

Diameter Range
0.1250"
0.50mm ~ 2.60mm



STANDARD Flute Length (Inch)

Part Number	Stock	Router Size	Dimensions (in)		End Style
			Cutting Diameter	Flute Length	
			ØD	L2	
4100.1250.472	●	1/8"	0.1250	0.472	Fish Tail

STANDARD Flute Length (Metric)

Part Number	Stock	Router Size	Dimensions (mm)		End Style
			Cutting Diameter	Flute Length	
			ØD	L2	
4100.0197.079	●	0.50mm	0.500	2.00	Fish Tail
4100.0236.118	●	0.60mm	0.600	3.00	Fish Tail
4100.0236.157	●	0.60mm	0.600	4.00	Fish Tail
4100.0276.177	●	0.70mm	0.700	4.50	Fish Tail
4100.0315.197	●	0.80mm	0.800	5.00	Fish Tail
4100.0354.197	●	0.90mm	0.900	5.00	Fish Tail
4100.0354.256	●	0.90mm	0.900	6.50	Fish Tail
4100.0394.197	●	1.00mm	1.000	5.00	Fish Tail
4100.0394.256	●	1.00mm	1.000	6.50	Fish Tail
4100.0394.276	●	1.00mm	1.000	7.00	Fish Tail
4100.0433.256	●	1.10mm	1.100	6.50	Fish Tail
4100.0472.276	●	1.20mm	1.200	7.00	Fish Tail
4100.0500.276	●	1.27mm	1.270	7.00	Fish Tail
4100.0512.276	●	1.30mm	1.300	7.00	Fish Tail
4100.0551.256	●	1.40mm	1.400	6.50	Fish Tail
4100.0591.315	●	1.50mm	1.500	8.00	Fish Tail
4100.0630.256	●	1.60mm	1.600	6.50	Fish Tail
4100.0630.315	●	1.60mm	1.600	8.00	Fish Tail
4100.0669.315	●	1.70mm	1.700	8.00	Fish Tail
4100.0709.315	●	1.80mm	1.800	8.00	Fish Tail
4100.0748.315	●	1.90mm	1.900	8.00	Fish Tail
4100.0787.394	●	2.00mm	2.000	10.00	Fish Tail
4100.0945.394	●	2.40mm	2.400	10.00	Fish Tail
4100.0984.394	●	2.50mm	2.500	10.00	Fish Tail
4100.1004.394	●	2.55mm	2.550	10.00	Fish Tail
4100.1024.394	●	2.60mm	2.600	10.00	Fish Tail



Diamond cut style updraft router designed for high productivity routing.



Part Numbers above include rings set at 0.800" - For Ringless Part Number, replace series "." with "-" (XXX-XXXX.XXXX)
 Additional diameters and special ring colors available upon request.



For recommended cutting conditions please visit:
www.kyoceraprecisiontools.com/pcb/speeds-feeds

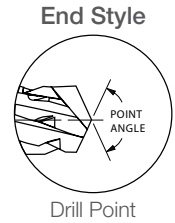
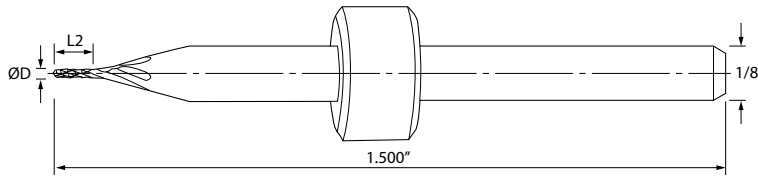
Cross Cut

Updraft Drill Point Routers

Diameter Range
0.0625" ~ 0.1250"
0.80mm ~ 2.55mm



Diamond cut style updraft router designed for high productivity routing.




STANDARD Flute Length (Inch)

Part Number	Stock	Router Size	Dimensions (in)		End Style
			Cutting Diameter	Flute Length	
			ØD	L2	
4100.0625.315D	●	1/16"	0.0625	0.315	Drill Point
4100.0938.394D	●	3/32"	0.0938	0.394	Drill Point
4100.1250.472D	●	1/8"	0.1250	0.472	Drill Point

STANDARD Flute Length (Metric)

Part Number	Stock	Router Size	Dimensions (mm)		End Style
			Cutting Diameter	Flute Length	
			ØD	L2	
4100.0315.197D	●	0.80mm	0.800	5.00	Drill Point
4100.0354.197D	●	0.90mm	0.900	5.00	Drill Point
4100.0394.256D	●	1.00mm	1.000	6.50	Drill Point
4100.0472.276D	●	1.20mm	1.200	7.00	Drill Point
4100.0500.276D	●	1.27mm	1.270	7.00	Drill Point
4100.0709.315D	●	1.80mm	1.800	8.00	Drill Point
4100.0748.315D	●	1.90mm	1.900	8.00	Drill Point
4100.0787.315D	●	2.00mm	2.000	8.00	Drill Point
4100.0906.394D	●	2.30mm	2.300	10.00	Drill Point
4100.0984.394D	●	2.50mm	2.500	10.00	Drill Point
4100.1004.394D	●	2.55mm	2.550	10.00	Drill Point

 Part Numbers above include rings set at 0.800" - For Ringless Part Number, replace series "." with "-" (XXX-XXXX.XXXX)
 Additional diameters and special ring colors available upon request.

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www.kyoceraprecisiontools.com/pcb/speeds-feeds

U.S. Standard Item : ●



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