

PACKAGE SINGULATION

BLADE IDENTIFICATION SHEET

Hubbed



ADT AccuCut Hubbed Nickel Wheels

Diamond Grit Size (µm)	Thickness (mil)	Exposure (mil)	Blade Finish
A = 17 µm B = 30 µm C = 50 µm D = 70 µm	Max. Thickness = 12 mils Tolerance = $\begin{cases} +0 \\ -1 \end{cases}$	Max. Exposure = 90 mils Tolerance = $\begin{cases} +5 \\ -0 \end{cases}$	000 = Standard SXX = Slits (4, 8, 16, 32)

AccuCut BGA Part Number Example

B	0	6	7	0	-	Q	5	0	0	-	S	1	6
30 µm Grit Size	Thickness = 6 mil	Exposure = 70 mil	Std Bond	Std Diamond Concentration	AccuCut	16 Slits							



Annular

2" Nickel Blades¹

Non-serrated



Serrated

Special 2" Nickel Blade Designator Internal Code

4B776-3	X	X	X	-	XXX	-	X	XX
O.D.	Diamond Grit Size (µm)	O.D. Shape	Thickness (mil)*	Thickness Tolerance**				
0 = 55 mm 1 = 50.1 mm 2 = 50.2 mm 3 = 50.4 mm 4 = 50.6 mm 5 = 50.8 mm 6 = 51 mm 7 = 51.2 mm 8 = 51.4 mm 9 = 52 mm A = 58 mm B = 56 mm C = 54 mm	4 = 17 5 = 30 6 = 50 7 = 70	0 = Standard 2 = Serrated, 16 slots 3 = Serrated + Pre-dressed 4 = Irregular Serration 5 = Irregular Serration + Pre-dressed 6 = Serrated, 4 slots 7 = Serrated, 8 slots	(030) = 3.0 ↓ (120) = 12.0	A = ±.0001" ** B = ±.0002" ** C = ±.0003" ** D = ±.0005" E = ±.0005/-0.000" **				

For example: Part number 4B776-3251-070-CXX would be used to designate a nickel blade of 50.2 mm O.D., 30 µm diamond grit, pre-dressed, 7 mil thick and with a ±.0003" thickness tolerance.

* Depends on diamond grit size.
** Depends on blade thickness and diamond grit size.
*** All blades .005" and thicker are pre-dressed as standard.
¹ All Special 2" Nickel Blades have an I.D. of 40 mm.
Other thicknesses, diameters, edge geometries and diamond grit sizes are available upon request.

Nickel Blades and Wheels for Plastic BGAs



Nickel Blades

Nickel Blade Designator Internal Code

0X 776 - X	X	X	X	-	XXX	-	X	XX
I.D.	O.D.	Diamond Grit Size (µm)	Edge Geometry	O.D. Shape	Thickness (mil)*	Thickness Tolerance**		
1 = 40 mm 4 = 3.5" (88.9 mm) 8 = 55 mm	2 = 2.188" 3 = 3" 4 = 4.6"	4 = 17 5 = 30 6 = 50 7 = 70	0 = Standard 1 = Serrated standard 16 slots 2 = Serrated, 8 slots 4 = Irregular Serration 5 = Serrated, 4 slots	0 = Standard 1 = Pre-dressed***	(030) = 3.0 ↓ (120) = 12.0	A = ±.0001" ** B = ±.0002" ** C = ±.0003" ** D = ±.0005" E = +.0005/ -.000***		

For example: Part number 01776-2511-070-CXX would be used to designate a nickel blade of 40 mm I.D., 2.188" O.D., 30 µm diamond grit, serrated with 16 slots, pre-dressed, 7 mil thick and with a ±.0003" thickness tolerance.

* Depends on diamond grit size.
** Depends on blade thickness and diamond grit size.
*** All blades .005" and thicker are pre-dressed as standard.
Other thicknesses, diameters, edge geometries and diamond grit sizes are available upon request.

PACKAGE SINGULATION



BLADE IDENTIFICATION SHEET



**Sintered Blades
for Plastic
BGAs**



Sintered Blades

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Sintered Blade Designator

Internal Code

Internal Code

I - tenths (inch) or M - μ m

Thickness

4S0 X	X	-	X	X	XX - XXX	X	11
Thickness Tolerance	Edge Geometry		O.D.	I.D.	Grit	Thickness	
3 = ± 0.002 "	0 = Standard (180°)		A = 3.0"	6 = 40 mm	30 = 30	050 = 50	
4 = ± 0.005 "	A = 16 slots		B = 2.5"	A = 55 mm	50 = 50	060 = 60	
5 = ± 0.010 "	B = 32 slots		C = 2.25"			100 = 100	
	C = 24 slots		D = 2.188"				
	D = 4 slots		E = 2.0"				
	E = 8 slots		F = 58 mm				
			H = 77 mm				
			I = 60 mm				
			K = 54 mm				
			M = 56 mm				
			N = 75 mm				
						300 = 300	

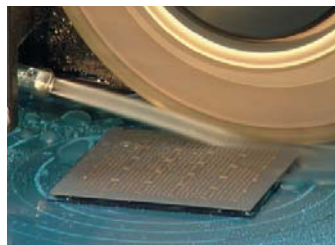
For example: Part number 4S030-A650-100 I 11 would be used to designate a standard geometry metal sintered blade that has a 3" O.D., a 40 mm I.D., and 50 μ m diamond grit, that is 10 mil ± 0.002 " thick.

All ADT Sintered Blades are pre-dressed.

Other thicknesses, diameters, edge geometries and diamond grit sizes are available upon request.



**Resin Blades
for Ceramic
BGAs**



Resin Blades

Resin Blade Designator

Internal Code

X X 777	-	X	XXX	-	XXX - XXX
Blade Type		O.D. x I.D.	Diamond Grit Size (μ m)		Thickness (mil)
1 = Serrated, 16 slots		0 = 4.0" x 2.75"	(053) = 53		(008) = 8
2 = Shaped edge		2 = 4.256" x 88.82 mm	(063) = 63		
4 = Blade I.D. 3.5" (88.9 mm)		3 = 3.0" x 40 mm	(088) = 88		
5 = Serrated, 8 slots		4 = 4.5" x 88.82 mm	(105) = 105		
6 = Serrated, 4 slots		5 = 5.0" x 88.82 mm	(125) = 125		
8 = CBN		6 = 4.6" x 88.82 mm			
		7 = 4.7" x 88.82 mm			(050) = 50

For example: Part number X5777-4006-006-XXX would be used to designate a serrated resin blade with 8 slots, that has an 88.82 mm I.D., a 4.5" O.D., and 6 μ m diamond grit, that is 6 mil thick.

All ADT Resin Blades are pre-dressed.

Other thicknesses, diameters, edge geometries and diamond grit sizes are available upon request.

