

# PACKAGE SINGULATION

## BLADE IDENTIFICATION SHEET

### • Hubbed



### • Annular

### • Non-serrated



### • Serrated

## 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							

## 2" Nickel Blades<sup>1</sup>

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.

<sup>1</sup> 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	-	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 -  $\mu$ m

Thickness

4S0 X	X	-	X	X	XX - XXX	X	11
Thickness Tolerance	Edge Geometry		O.D.	I.D.	Grit	Thickness	
3 = $\pm 0.002"$	0 = Standard (180°)		A = 3.0"	6 = 40 mm	30 = 30	050 = 50	
4 = $\pm 0.005"$	A = 16 slots		B = 2.5"	A = 55 mm	50 = 50	060 = 60	
5 = $\pm 0.010"$	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	

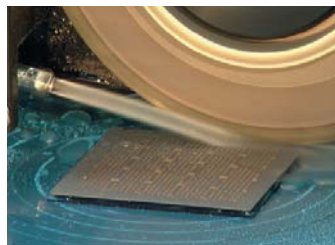
For example: Part number 4S030-A650-100 I 11 would be used to designate a standard geometry metal sintered blade that has a 3" O.D., a 40 mm I.D., and 50  $\mu$ m diamond grit, that is 10 mil  $\pm 0.002"$  thick.

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 ( $\mu$ 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  $\mu$ 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.

