

Model 575 BEAPS™: Tool Accessories

Diamond Tools

Grinding wheels plated with diamond on the circumference and used for rough or fine grinding through package material. Tools are standard 2" (50mm) diameter and available in three different widths (5, 10, 15mm) to increase the overall exposure area of the package. Abrasive sizes available are 125 micron, 75 micron, and 15 micron (sizes approximate).

Part Number	Description
01-03235-01	BEAPS Tool 2 x 5mm; Fine Diamond Tool; 180 grit (~ 75 micron)
01-03235-02	BEAPS Tool 2" x 10m; Fine Diamond Tool 180 grit (~ 75 micron)
01-03235-03	BEAPS Tool 2" x15mm; Fine Diamond Tool 180 grit (~ 75 micron)
01-03236-01	BEAPS Tool 2" x5mm; Coarse Diamond Tool; 100 grit (~125 micron)
01-03236-02	BEAPS Tool 2" x10mm; Coarse Diamond Tool; 100 grit (~125 micron)
01-03236-03	BEAPS Tool 2" x15mm; Coarse Diamond Tool; 100 grit (~125 micron)
01-03237-01	BEAPS Tool 2" x 5 mm; Ultra Fine Diamond Tool; 15 micron
01-03237-02	BEAPS Tool 2 " x 10 mm; Ultra Fine Diamond Tool; 15 micron
01-03237-03	BEAPS Tool 2" x 15 mm; Ultra Fine Diamond Tool; 15 micron

Brass Tools

Grinding wheels used for fine thinning of the silicon die inside the package with various abrasive sizes. Diamond paste and diamond suspension are used with these tools for lapping down the die, or they can be attached with polishing cloth or abrasive film to perform the same function. Tools are available in different wheel diameters to minimize over grinding of the die paddle in small package designs. Tool widths of 5, 10, and 15mm are available for these tools as well.

Part Number	Description
01-03240-01	BEAPS Tool 2" x5mm Plain Brass Tool
01-03240-02	BEAPS Tool 2" x10mm Plain Brass Tool
01-03240-03	BEAPS Tool 2" x15mm Plain Brass Tool
01-03241-01	BEAPS Tool 1.57" x 5 mm Plain Brass Tool
01-03241-02	BEAPS Tool 1.57" x 10 mm Plain Brass Tool
01-03241-03	BEAPS Tool 1.57" x 15 mm Plain Brass Tool
01-03243-01	BEAPS Tool 1.18" x 5 mm Plain Brass Tool
01-03243-02	BEAPS Tool 1.18" x 10 mm Plain Brass Tool
01-03243-03	BEAPS Tool 1.18" x 15 mm Plain Brass Tool
01-03244-01	BEAPS Tool 0.78" x 5 mm Plain Brass Tool
01-03244-02	BEAPS Tool 0.78" x 10 mm Plain Brass Tool
01-03244-03	BEAPS Tool 0.78" x 15 mm Plain Brass Tool

ClearCut™ Polishing Tools

Tools manufactured of Pyrex glass material for all phases of die grinding. These tools are used in place of the brass tools and fine diamond tools used in the die thinning process. These tools minimize the need for cloth, film and paste polishing methods and provide good flatness during processing. Tools are standard 2" (50mm) diameter and available in three different widths (5, 10, 15mm) to increase the overall exposure area of the package.

Part Number	Description
01-03245-01	BEAPS ClearCut™ Polishing Tool; 2" x 5 mm Glass Tool
01-03245-02	BEAPS ClearCut™ Polishing Tool; 2" x 10 mm Glass Tool
01-03245-03	BEAPS ClearCut™ Polishing Tool; 2" x 15 mm Glass Tool