



STINGRAY ABRASIVES PCD TOOL BLANKS

PRODUCT GRADES RECOMMENDED FOR CUTTING APPLICATIONS

PCD Blank Shape	Full Round Ø48mm & Ø55mm								
Overall Thickness	1.0mm, 1.2mm, 1.6mm, 2.0mm, 2.5mm, 3.2mm								
PCD Layer Thickness	0.5±0.15mm								
Diamond Grain	Coarse Grain			Medium Grain			Fine Grain		
Type	SPD-032A	SPD-032B	SPD-025A	SPD-025B	SPD-012A	SPD-010A	SPD-010B	SPD-010C	SPD-005A
Diamond Grain Size (µm)	30 & 2	30 & 2	25	25	10 & 2	10	10	10	5
Characteristics	Extremely high abrasive resistance			Combines high abrasive resistance, impact toughness and a high degree of surface finish			High impact toughness suitable for EDM cutting, with an extremely high degree of surface finish		
Applications	Highly abrasive materials such as ceramic, hard metal, silicon carbide, stone and laminate flooring	Specifically chipboard and other applications that require rough feed	Laminate flooring, density board, carbon fiber materials, silicon carbide and high-silica aluminum alloy	Manufacture of wood saw blades and products requiring EDM cutting	Fine processing of circuit boards, silicon-aluminum alloy and copper alloy	Processing of wood, circuit boards, low silicon-aluminum alloy and fine ceramics	Manufacture of all kinds of segments that use EDM cutting	Fine processing where rough feed and low abrasive resistance is required	Processes requiring a high degree of surface finish such as low silicon-aluminum alloy, non-ferrous metal, semiconductors and plastic