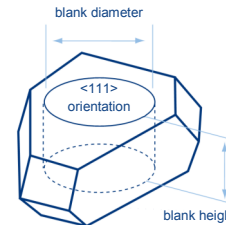


### 111-oriented SSCD Blanks (imperial sizes)

Blank Type <sup>1</sup>



SSCD ADDMA <sup>*</sup> size	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S1C <sup>2</sup>
<b>Maximum recut die hole diameter (inch)<sup>3</sup></b>																	
soft wire	.0160	.0190	.0225	.0255	.0285	.0320	.0350	.0380	.0415	.0445	.0455	.0485	.0515	.0545	.0575	.0605	.0760
hard wire	.0140	.0170	.0195	.0225	.0255	.0280	.0310	.0335	.0365	.0395	.0420	.0450	.0480	.0505	.0535	.0565	.0840
<b>Blank dimensions (inch)</b>																	
diamond diameter <sup>4</sup>	.0236	.0276	.0315	.0354	.0394	.0433	.0472	.0512	.0551	.0571	.0591	.0630	.0669	.0709	.0748	.0787	.1063
diamond height <sup>5</sup>	.0197	.0236	.0276	.0315	.0354	.0394	.0433	.0472	.0512	.0551	.0591	.0630	.0669	.0709	.0748	.0787	.1220
<b>Blank dimensions (mm)</b>																	
diamond diameter <sup>4</sup>	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.45	1.5	1.6	1.7	1.8	1.9	2.0	2.7
diamond height <sup>5</sup>	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	3.1
<b>Standard casing dimensions (inch)</b>																	
diameter x height <sup>6</sup>	Made to order																

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<sup>1</sup> HPHT (High Pressure High Temperature) Synthetic single crystal diamond

<sup>2</sup> S1C blank is not 111-oriented

<sup>3</sup> Maximum recut sizes are approximate only and can differ depending upon the drawing application. Maximum recommended diameters are calculated with the following geometries:

- soft wire: elongation 26.1%, reduction angle: 18°, bearing length=35%

- hard wire: elongation 15%, reduction angle: 12°, bearing length=35%

<sup>4</sup> Minimum inscribed circle diameter

<sup>5</sup> Nominal diamond height

<sup>6</sup> Other casing dimensions are available on request