



AMETRINE – Saturn Cut

96 index gear • 12 mm x 20 mm • 16.4 carats

PAVILION (I)

P1	42.00°	48 - 96	Cut to a center point
P2(G)	90.00°	24 - 72	Cut to even sides (any length)
P3(G)	90.00°	48 - 96	Cut to even sides (any width)
P4	65.00°	24 - 72	Cut to girdle line

PAVILION (II)

Put a pen mark on the 96 side of girdle and remove dop from machine. Install the 45° table fixture and set the arm at 45.00°. Grind the point off the pavilion approximately 1/4 the width of stone. Finish to a polish.

PAVILION - CONCAVE

8 mm Ball Tool (1) Center ball tool on flat pavilion. Cut with 1,200 paste until reaching pavilion sides.

Slice Tool Center slice tool side to side on pavilion. Move table 4 mm forward and cut a slice until it reaches center cut. Move table backwards 4 mm from center and repeat.

8 mm Ball Tool (2) Center ball tool on pavilion from side-to-side #96; from the girdle to the tip of pavilion; once on #96; once on #48. Set quill at 42.00°. Cut a dimple in stone using 1,200 paste. Repeat on #48. Move table 5 mm to the left and repeat; #96 and #48. Move table 5 mm right of center and repeat on #96 and #48.

Slice Tool #96 With slice tool in place and dial indicator on 0.00° center slice tool (horizontally) in center dimple. Cut until slice touches left and right dimple. Do not polish any dimples or slices. Repeat on #48.

CROWN

C1	43.00°	96 - 48 72 - 24	Cut to finish girdle
C2	40.00°	96 - 48 72 - 24	Cut until C1 is 1/5 of width
C3	90.00°	12-36-60-84	Remove girdle corners (any size)
C4	00.00°	TABLE	Cut and polish table .625 width of stone

(PHOTOS ON NEXT PAGE)

Authorized factory representative for Ultra Tec Faceting Machines, Equipment & Accessories

