



## **Mistress**

Design by Jeff Graham, 2003

Novice stone for 2005 USFG competition

This is a good stone to develop your basic skills on. I chose synthetic spinel for my material. I started out with a 360 crystallite lap for rough in. I used 44 & 41 on the pavilion. I first cut the 44 close to a point and then squared it up on the 90 to about 13 mm all with the 360. I put a 600 on and brought the stone size into 12.3mm and then brought the 44 into just making a point. I put a 1200 on for my pre-polish, brought the stone size into 12mm and then followed the break line @44 around to meet. Then I cut the 41 in at 95-01-23-25-47-49-71-73. I only brought them into about 1/16 of an inch to corner point as I will polish in the rest of the way.

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I polished with 50,000 on Batt and it went fairly quick with no problems. At this point I have three hours in the stone and it is ready for transfer.

After transfer I used a 360 to get rid of some material. I cut to approximately ¼ inch girdle line on the 4 sides at 48 degrees, put a 600 on and followed the girdle line around again. It was off by ¼ degree on the cheater so I continued cutting the rest of the stone up to the table.

I put a 1200 on and set my girdle line a little over .3mm and made sure it lined up when I came around. C-2 cut fine, however you must be very careful cutting C-3 in as it takes a light touch. Now I cut the table in with the 1200, I over cut just a little and polished the table. Now I came back and polished C-1 and C-2 into meet points. I use C-3 to close all meets for a very nice close. Good Luck!!

Art Kavan