



Double Square Barion

Design by R.H. Long & N.W. Steel

Master stone for 2004 USFG competition

I cut this stone with clear CZ at 12 MM. This stone turned out to be more difficult than it looks and I played around with sequencing to cut it in a competition style. I first tried to cut it without a clam (corner locator angle method) no way. So I used the clam and polished my girdle after I made it exactly 12 MM 1200 pre polish. I completed the clam and proceeded to cut the stone. I followed the girdle line around starting with 96 index at 63.42 then at the first corner- 12 index I still used 45.1 from the clam as I would cut these corners in last using the 43.12 angle. (it worked out very well).

Once I followed the girdle line around and it met perfectly I cut the 42.39 angles using this sequence -- 09-15 33-39 57-63 & 81-87 to establish my corners and culet. I then went in and cut the rest of the 42.39 sequence to the culet point. 93-03 21-27 45-51 & 69-75 all to the TCP. Then I cut the permanent center point at 41 degrees matching all meet points. Now I came back in on the four corners and cut angle 43.12 index 12-36-60-84. They worked out super close so I knew my clam was right.

After transfer the cutting was uneventful and I followed the sequence except I preferred the corners first instead of the 22.00 degrees at the end. As usual after pre polish I polished the table first and then started at the girdle facets and worked my way back up using the stars to make perfect table meets. I thought it was a fun stone to cut and it is a good looking stone.

Art Kavan