

## Cutting comments for Winter's Grasp

by Jeff Theesfeld

The material for this stone is CZ any color.

The width should be 10 mm +/- 0.1 mm which means that the length should be 12.59 mm or 12.6 mm. You will be scored on the L/W ratio of 1.259.

The girdle should be 0.3 mm +/- 0.1 mm.

This gem is a joy to cut. It is challenging and at the same time rewarding, a fitting Master Class gem. I cut this gem in Ruby colored CZ. I treated P1 and all the girdles as a CAM preform. I took the preform all the way through pre-polish in order to create the most accurate CAM style girdle outline possible. I calibrated the width and length to the required dimensions all the way to 8000 grit. Most of my CZ cuts use a 320-600-1200-3000-8000- 50000 grit sequence (No skipping grits to ensure a great finish polish). Although I started out in the cutting sequence listed, I decided to change up the listed sequence through cutting, pre-polish, and polish in order to use a more "level the girdle first" strategy. After setting a fine CAM pre-polish girdle pattern, I used the following facet order: P4, P3, P2, P5, P6, then re-cut of P1 all the way through 8000 grit. I also worked P1 sequence from the P4 meets outward toward the P6 in both directions. Then, I added P7 with a 3000, prepolish, and polished off all of the facets. This insured an accurate meet-point strategy throughout the cut. The crown proceeded with the listed sequence, and the gem finished off nicely, No problems!