

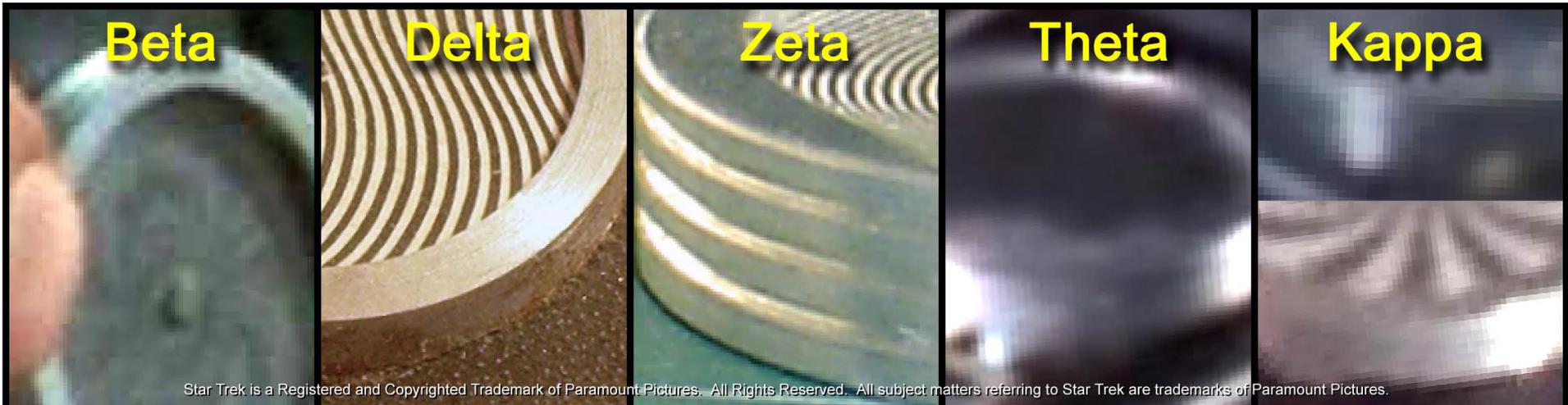
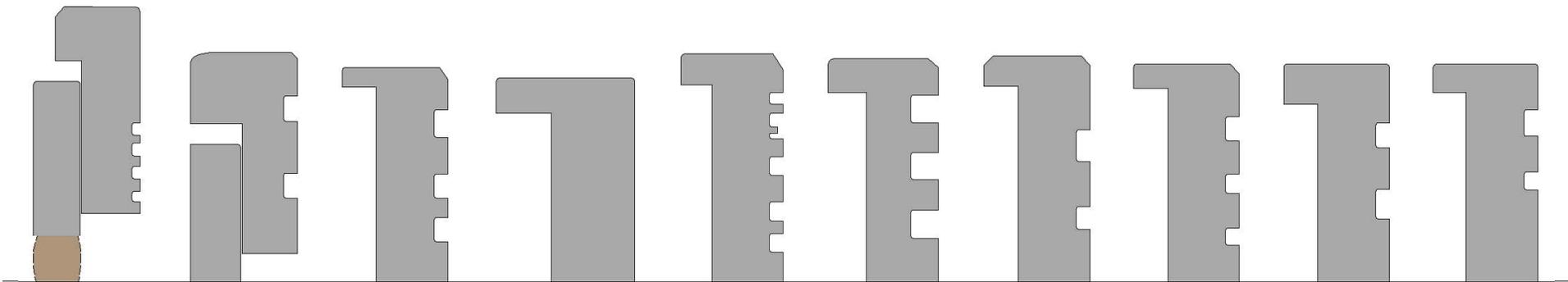
**Alpha**

**Gamma**

**Epsilon**

**Eta**

**Iota**



**Beta**

**Delta**

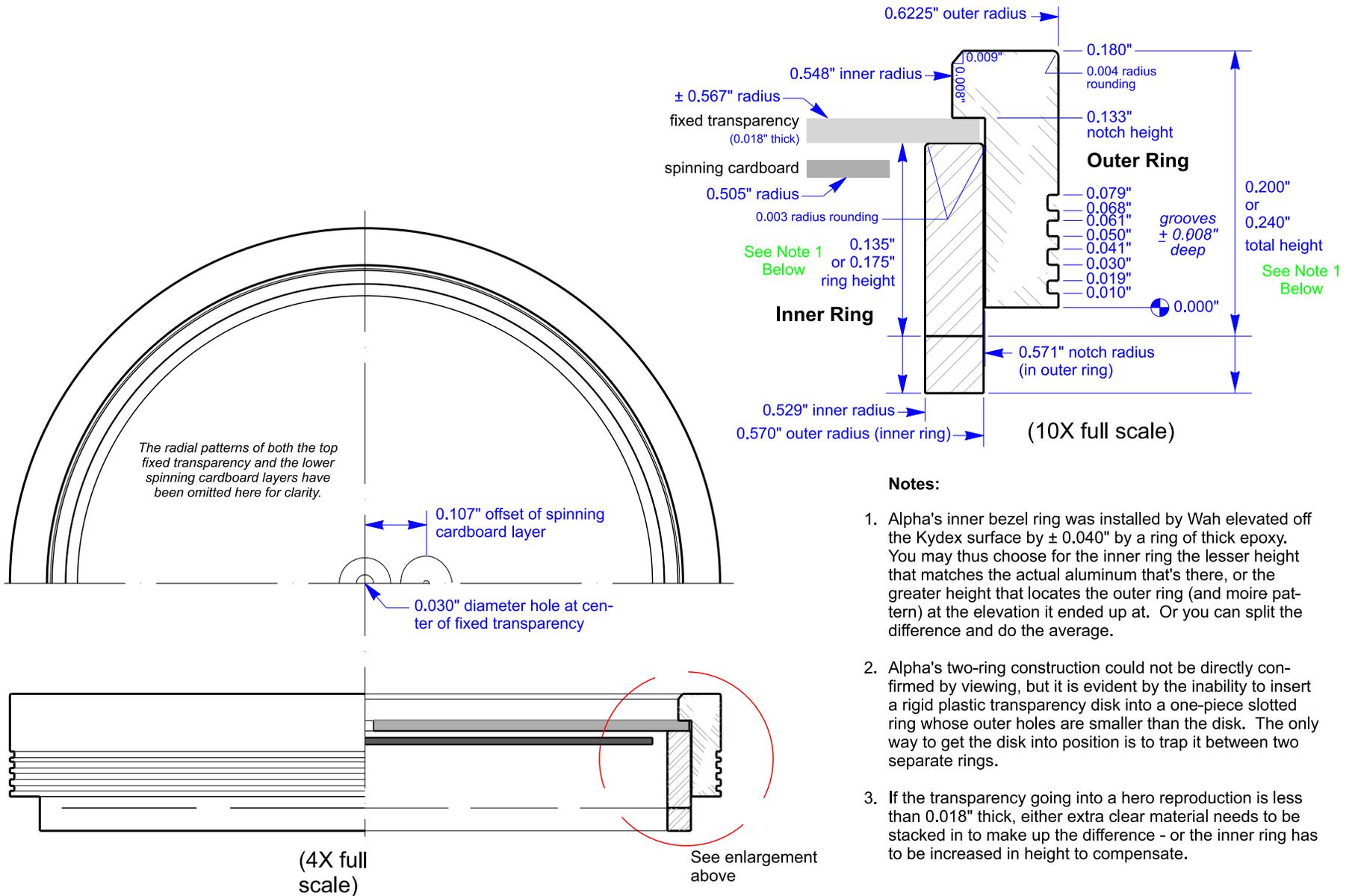
**Zeta**

**Theta**

**Kappa**

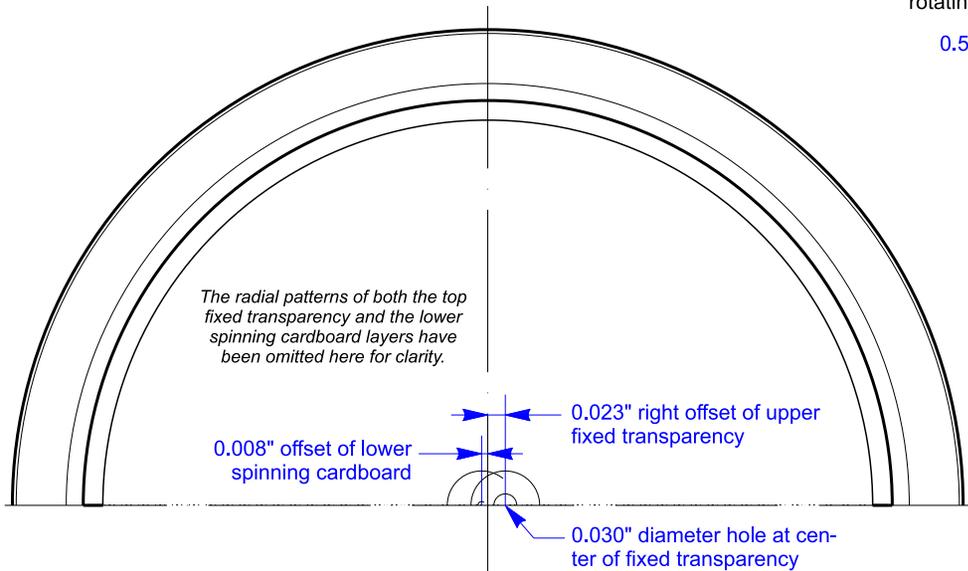
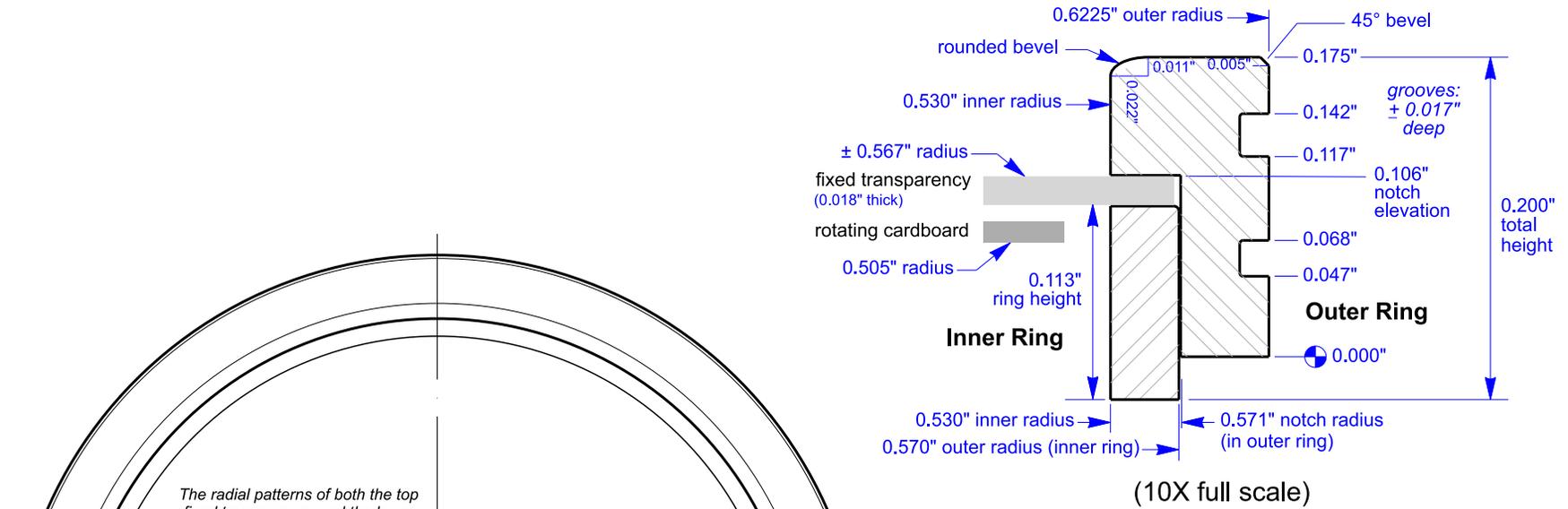
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**Authentic Communicator Blueprint Series - Moiré Bezel Rings**



## Alpha Hero: Moiré Bezel Ring Details

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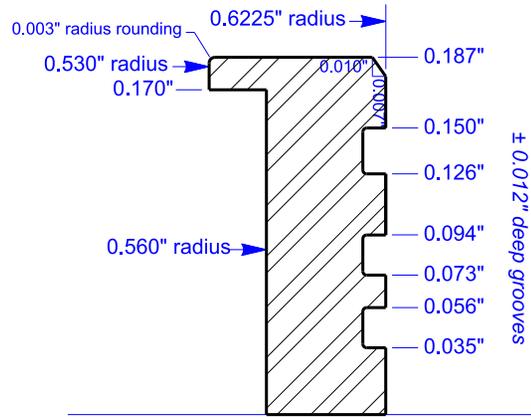


**Notes:**

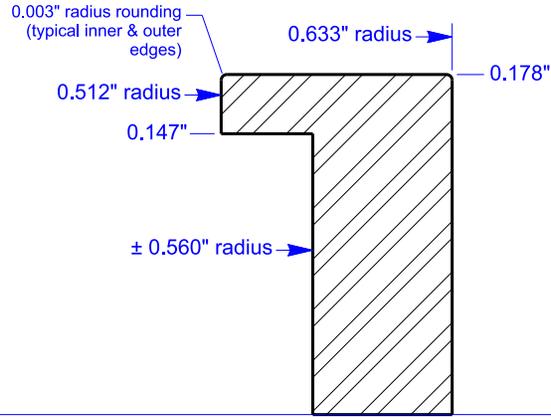
1. If the transparency going into a hero reproduction is less than 0.018" thick, either extra clear material needs to be stacked in to make up the difference - or the inner ring has to be increased in height to compensate.

**Beta Hero: Moiré Bezel Ring Details**

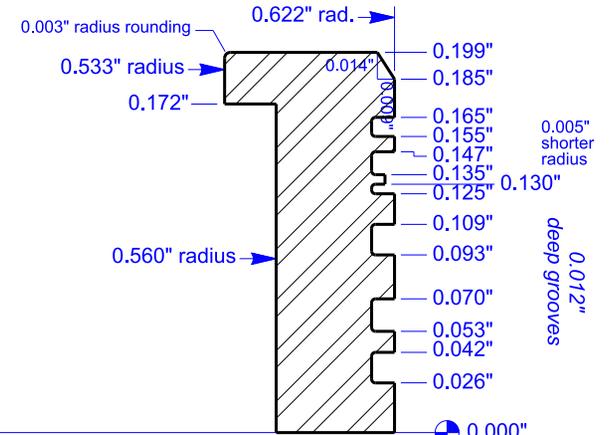
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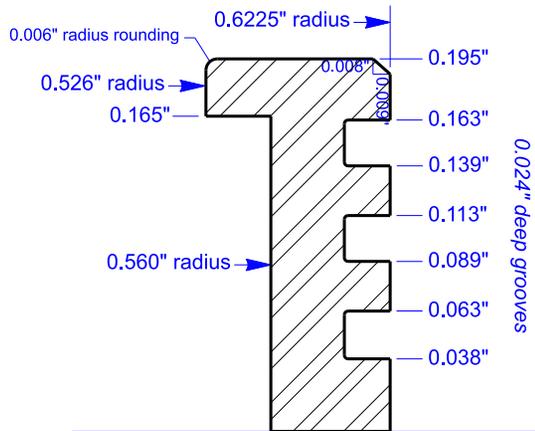
Gamma



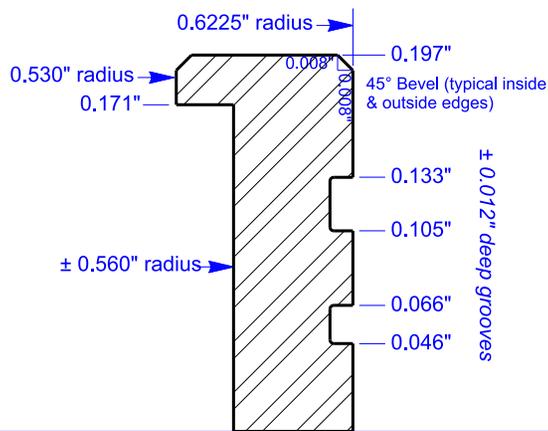
Delta



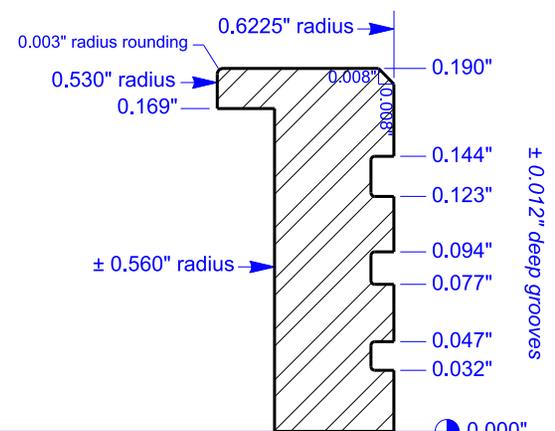
Epsilon



Zeta



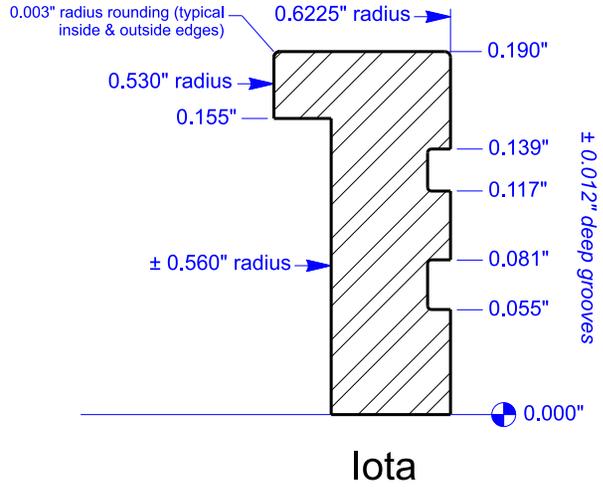
Eta



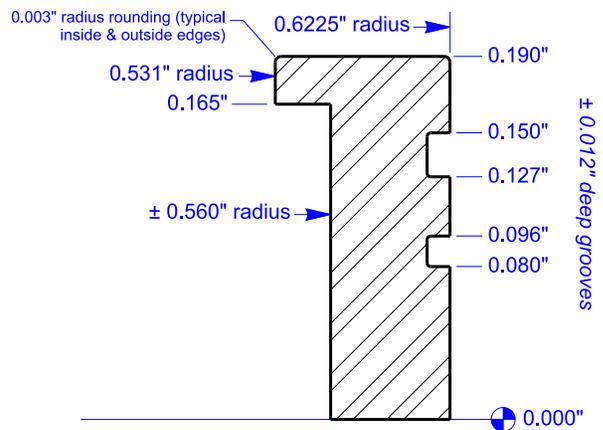
Theta

(all cross section drawings on this page: 10X full scale)

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Iota



Kappa

(all cross section drawings on this page: 10X full scale)

**Notes:**

1. The bezel rings were mostly or entirely machined from 1-1/4" aluminum tube (raw 1.25" O.D. and ±1.01" I.D.).
2. Alpha's moire bezel ring was measured by HC staff. Measurements for Epsilon's and Zeta's were provided by Greg Jein. A consistent outer diameter of 1.244" to 1.245" was reported for these three, so it is our assumption that all rings (other than Delta) are similar or identical.
3. Outer dimensions for Gamma and Delta were obtained by scaling the "wavy" patterns seen in photographs of the props to the actual sources in the booklet "The Science of Moire Patterns." Using this method, Gamma's was determined (within the margin of error) to be 1.245", reinforcing the assumption above.
4. Other than a few hard measurements we got from found originals, all elements were determined from the sharpest available photographs and screencaps, with averages calculated when slight differences between the images occurred.
5. The details and dimensions of Theta, Iota, Kappa and (especially) Eta are based on very limited information, with some aspect being reasoned speculation only.
6. Any dimension preceded by a ± indicates it is non-critical and based on a measurement from another comm, with latitude thus available to the machinist. The inside "hog out" measurement comes from Epsilon's and Zeta's moire rings. The groove depths are assumed to be similar to Epsilon's, which were determined from photos.
7. The inside corners of Epsilon's and Zeta's grooves have a consistent small roundedness to them, on the order of a couple thousandth of an inch - this from the cutting bit not being perfectly sharp. This small curve is shown on our drawing for all grooves.

For pattern inserts, additional photos and construction details, reference [www.HeroComm.com](http://www.HeroComm.com).