

Perkins SRB

Jim Perkins - 2011

Angles are optimized for quartz, otherwise very similar to stacked mains SRB (01.006B)

Facet Data

| | | | |
|---------------------|-----------|--------------------|----------|
| Pavilion facets | 24 | Pavilion tiers | 2 |
| Girdle facets | 16 | Girdle tiers | 1 |
| Crown facets | 32+1 | Crown tiers | 3+1 |
| Total facets | 73 | Total tiers | 7 |

Size Data

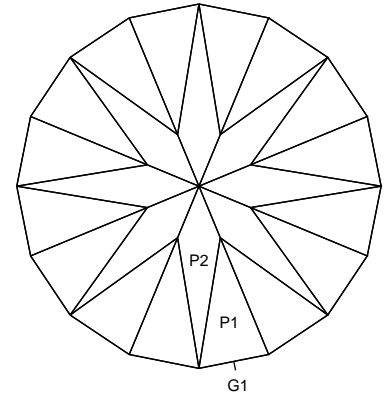
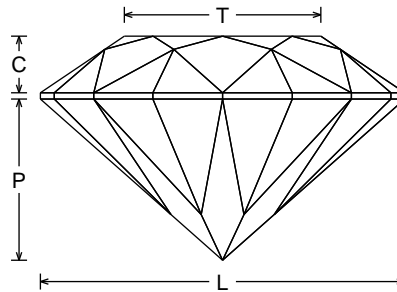
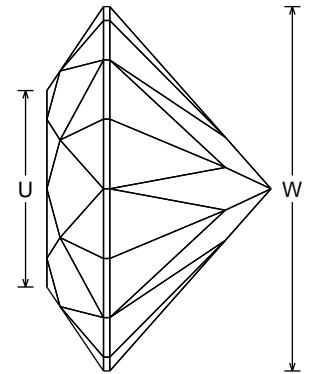
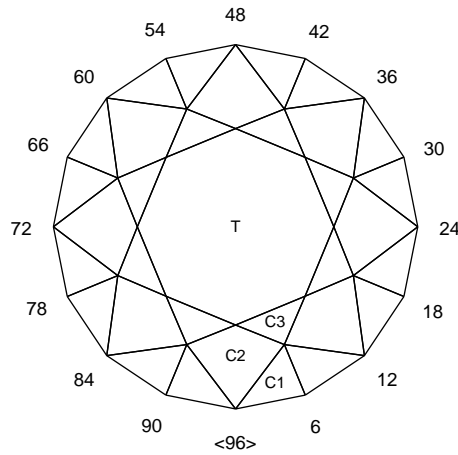
| | | | |
|------------------|-------|-----|-------|
| L/W | 1.000 | P/W | 0.442 |
| T/W | 0.539 | C/W | 0.155 |
| U/W | 0.539 | H/W | 0.615 |
| V/W ³ | 0.204 | P/C | 2.847 |

Design Data

| | |
|-----------------|----------------|
| Angles for R.I. | 1.54 |
| Symmetry | 8-fold, mirror |
| Index gear | 96 |
| Shape | Round |

Comments

Note the original shows 19.7 for C3, use that for .1 degree verniers. use 19.75 for 0.25 degree verniers. If your machine has no decimal degree capability use 20 degrees, or slightly below.



Pavilion

| | | | |
|----|-------|---|---|
| P1 | 43.00 | 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 | Cut to temporary centerpoint (TCP) |
| G1 | 90.00 | 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 | Cut level girdle line; set stone size |
| P2 | 41.50 | 96-12-24-36-48-60-72-84 | cut to final center point, barely touch girdle/P1 |

Crown

| | | | |
|----|-------|---|---|
| C1 | 39.00 | 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 | Cut to level girdle line and set girdle thickness |
| C2 | 34.00 | 96-12-24-36-48-60-72-84 | Cut to meet at G1/C1 |
| C3 | 19.75 | 06-18-30-42-54-66-78-90 | Cut to meet at C1/C2 |
| T | 0.00 | Table | Meet at C2/C3. |