

USFG-1, for Single Stone Competition (no author)

Material specified by competition chairman: Qtz
 Angles for R.I. = 1.540
 57 + 8 girdles = 65 facets
 4-fold radial symmetry
 96 index
 L/W = 1.000 T/W = 0.180 U/W = 0.180
 P/W = 0.502 C/W = 0.184
 Vol./W³ = 0.264

| PAVILION | | | | CROWN | | | |
|----------|--------|---|-----------------------------|-------|--------|-----------------------------|--------------------------|
| 1 | 43.30° | 04-12-20-28- 36-44-52-60- 68-76-84-92 | Temporary centerpoint | 1 | 35.00° | 96-24-48-72 | Level girdle |
| 2 | 90.00° | 12-36-60-84 | CAM | 2 | 35.00° | 12-36-60-84 | Level girdle |
| 3 | 90.00° | 96-24-48-72 | CAM across 2 facets each | 3 | 27.00° | 03-21-27-45- 51-69-75-93 | Girdle Meetpoint |
| 4 | 66.00° | 96-24-48-72 | Level girdle | 4 | 20.00° | 96-24-48-72 | MP 3-1-3 |
| 5 | 41.00° | 08-16-32-40- 56-64-80-88 | Girdle MP and new PCP | 5 | 27.66° | 08-16-32-40- 56-64-80-88 | Girdle MP and 3-4-4-3 |
| | | | | 6 | 14.00° | 96-24-48-72 | MP 4-3-5-5 |
| | | | | 7 | 0.00° | Table | 18% of Width |

NOVICE STONE DESIGN FOR USFG 2002 SINGLE STONE COMPETITION

The stone is to be cut in QUARTZ, natural or synthetic, clear or any color.

STONE WIDTH to be 8mm to 11mm. There will be an allowed margin of 0.1mm + or - without deduction. Three 100% errors will be deducted if the width is outside of the margin.

GIRDLE THICKNESS to be 0.3mm + or - 0.1mm without deduction.

Girdle will be polished and judged under the same categories on the score sheet as all other facets. Two other categories are specifically designated for the girdle alone. They are GIRDLE THICKNESS and GIRDLE UNIFORM.

SPECIAL NOTE: THE ANGLE FOR PAVILION FACET 5 IS AT THE CRITICAL ANGLE LIMIT FOR QUARTZ. CARE SHOULD BE EXERCISED NOT TO CUT THIS FACET AT AN ANGLE LOWER THAN 41 DEGREES. §