







- 3. Spin or circle grind tool to point.
- 4. Reset on Segment "G", clearance angle from Radial Clearance Chart.
- Feed tool into grinding wheel with "H" until point of tool (obtained when tool was circle ground) is reached. Rotate tool until excess stock is removed. Grind up to, but not over, cutting edge. Do not leave land.
- 6. Tip-off, if needed, is done by hand.
- C. Single Flute Square Nose Cutter
  - 1. Insert proper tool blank in collet, split to center.
  - Set on Segment "G" zero degrees. Side of tool parallel to wheel face;
  - If tool is larger in disaster than desired, spin or circle grind to the necessary dimension.
  - Feed tool into wheel with "H" amount of clearance shown in table below:

#### Clearance Table for Square Nose Cutters

| Cutter Dis. | Clearanc |
|-------------|----------|
| 1/10"       | .004"    |
| 1/8"        | .006"    |
| 5/32"       | .006"    |
| 3/16"       | ,008"    |
| 1/4"        | .010"    |
| 5/16"       | .012"    |
| 3/8"        | .015"    |
| 7/16"       | .015"    |
| 1/2"        | .020"    |

- NOTE: Clearance is approximate and will vary depending on material to machine.
- Rotate tool until excess stock is removed. Grind up to, but not over cutting edge. Leave no land.
- D. Regrinding Multiple Straight Flute End Mill
  - 1. Use flaring cup wheel.
  - Set on Segment "G" zero degrees. Side of tool parallel to wheel face.
    - NOTE: If conical multiple straight flute tool is to be reground, set on Segment "G" degree (angle) of cutting edge. Clamp tool head with "B".

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