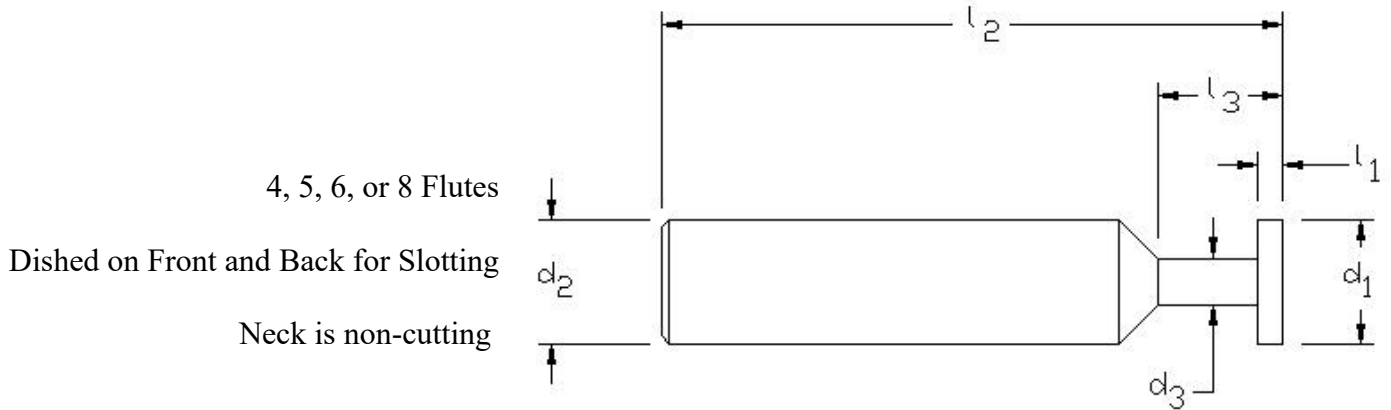


## Keyseat Cutter – Style A Square Corners



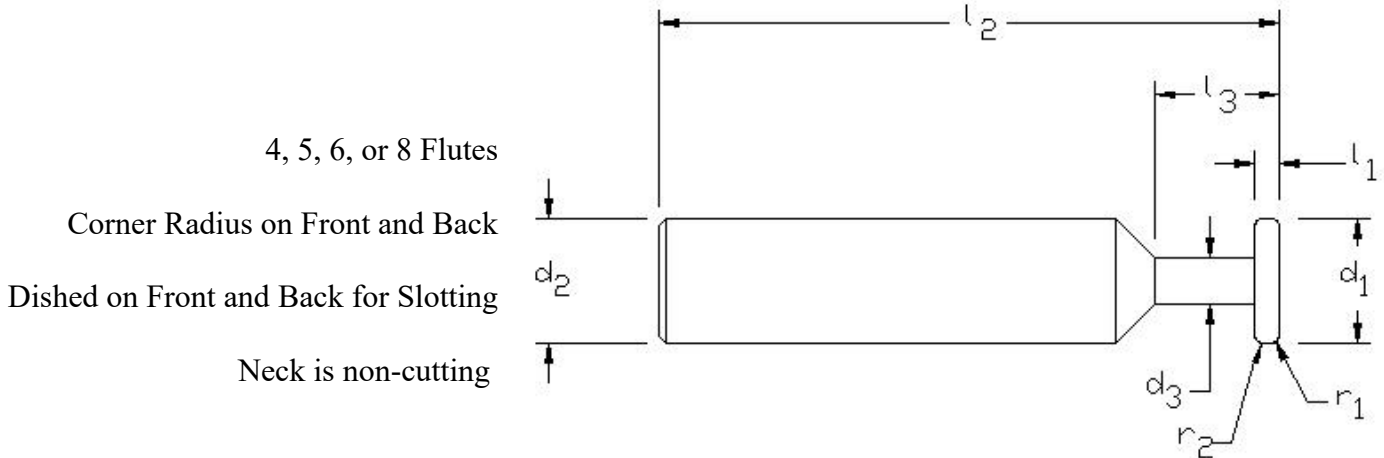
Tolerances unless otherwise specified below:

$d_1^{+0.000''/-0.003''}$     
  $d_2^{+0.0000''/-0.0005''}$     
  $d_3^{+0.000''/-0.010''}$     
  $l_1 \pm 0.002''$     
  $l_2 \pm 0.060''$     
  $l_3^{+0.040''/-0.000''}$

|   |                      |   |                            |
|---|----------------------|---|----------------------------|
| $d_1$ Keyseat Diameter:<br>Other Tolerance: |                      | $d_2$ Shank Diameter:<br>Other Tolerance: |                            |
| $l_1$ Keyseat Width:<br>Other Tolerance:    |                      | $d_3$ Neck Diameter:<br>Other Tolerance:  |                            |
| $l_3$ Neck Length:<br>Other Tolerance:      |                      | $l_2$ Overall Length:<br>Other Tolerance: |                            |
| Number of Flutes:                           |                      | Material:                                 | HSS     Carbide     Cobalt |
| Quantity:                                   | Coated:    Yes    No | Weldon Flat:                              | Yes    No                  |
| Material to be cut:                         |                      | Due Date:                                 |                            |
| Company Name:                               |                      | Contact Name:                             |                            |
| Address:                                    |                      |   |                            |
| Address Cont.:                              |                      |   |                            |
| Email:                                      |                      | Phone:                                    |                            |
| Comments:                                   |                      |   |                            |



## Keyseat Cutter – Style B Corner Radii



Tolerances unless otherwise specified below:

$$d_1 \begin{matrix} +0.000'' \\ /-0.003'' \end{matrix} \quad d_2 \begin{matrix} +0.0000'' \\ /-0.0005'' \end{matrix} \quad d_3 \begin{matrix} +0.000'' \\ /-0.010'' \end{matrix} \quad l_1 \pm 0.002''$$

$$l_2 \pm 0.060'' \quad l_3 \begin{matrix} +0.040'' \\ /-0.000'' \end{matrix} \quad r_1 \pm 0.002'' \quad r_2 \pm 0.002''$$

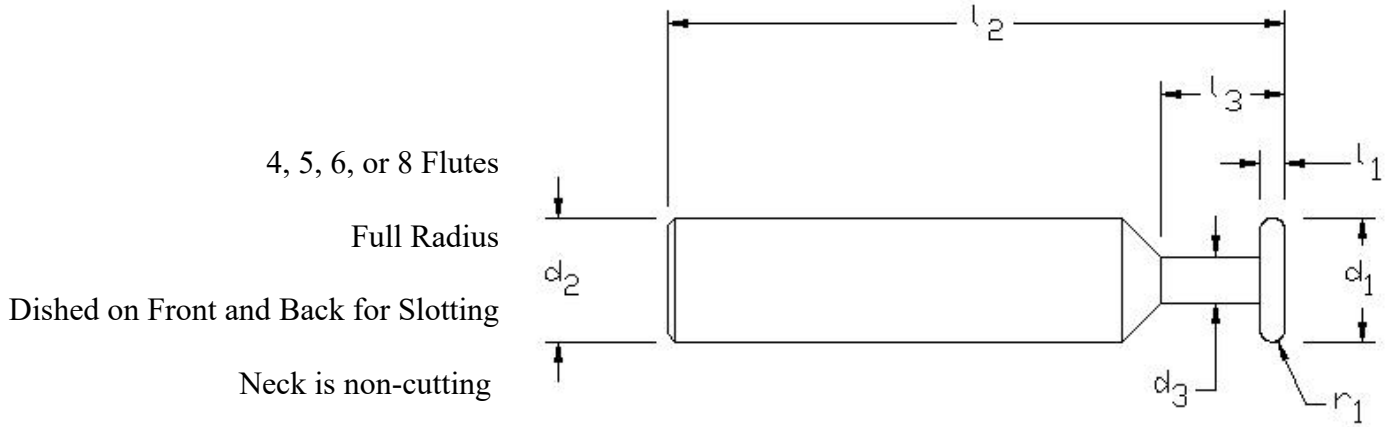
|                                  |                      |                                |                              |
|----------------------------------|----------------------|--------------------------------|------------------------------|
| d <sub>1</sub> Keyseat Diameter: |                      | d <sub>2</sub> Shank Diameter: |                              |
| Other Tolerance:                 |                      | Other Tolerance:               |                              |
| r <sub>1</sub> Radius on Front:  |                      | r <sub>2</sub> Radius on Back: |                              |
| Other Tolerance:                 |                      | Other Tolerance:               |                              |
| l <sub>1</sub> Keyseat Width:    |                      | d <sub>3</sub> Neck Diameter:  |                              |
| Other Tolerance:                 |                      | Other Tolerance:               |                              |
| l <sub>3</sub> Neck Length:      |                      | l <sub>2</sub> Overall Length: |                              |
| Other Tolerance:                 |                      | Other Tolerance:               |                              |
| Number of Flutes:                |                      | Material:                      | HSS      Carbide      Cobalt |
| Quantity:                        | Coated:    Yes    No | Weldon Flat:                   | Yes    No                    |
| Material to be cut:              |                      | Due Date:                      |                              |
| Company Name:                    |                      | Contact Name:                  |                              |
| Address:                         |                      |                                |                              |
| Address Cont.:                   |                      |                                |                              |
| Email:                           |                      | Phone:                         |                              |
| Comments:                        |                      |                                |                              |



**Precision Products Group, Inc. ♦ 3052 Maple Valley Rd., Morristown, TN 37813**  
**Phone: (423) 587-4300 ♦ Web: [www.ppgtools.com](http://www.ppgtools.com)**  
**Please send completed form to [info@ppgtools.com](mailto:info@ppgtools.com) or fax to (423) 581-0647**



## Keyseat Cutter – Style C Full Radius



Tolerances unless otherwise specified below:

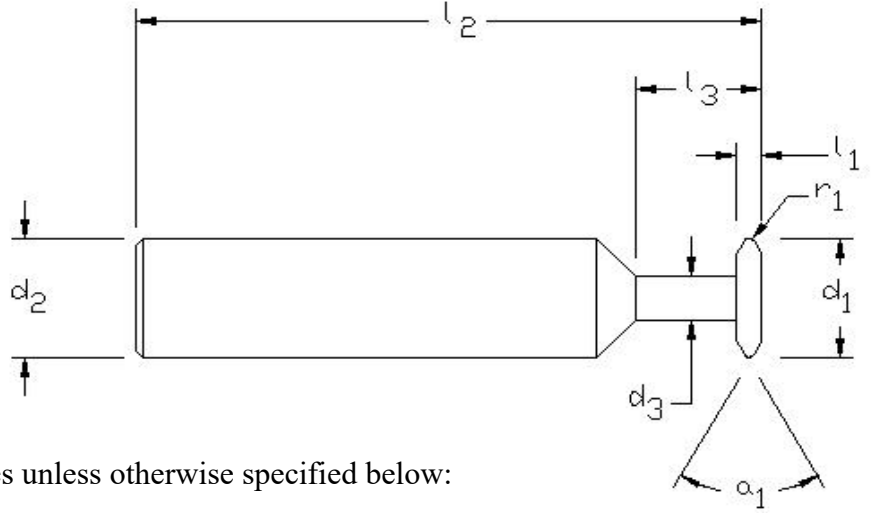
$$d_1^{+0.000}/-0.003'' \quad d_2^{+0.0000}/-0.0005'' \quad d_3^{+0.000}/-0.010'' \quad l_1 \pm 0.002'' \quad l_2 \pm 0.060'' \quad l_3^{+0.040}/-0.000'' \quad r_1 \pm 0.001''$$

|   |                      |                                |                              |
|---|----------------------|--------------------------------|------------------------------|
| d <sub>1</sub> Keyseat Diameter:  |                      | d <sub>2</sub> Shank Diameter: |                              |
| Other Tolerance:  |                      | Other Tolerance:               |                              |
| l <sub>1</sub> Keyseat Width:   |                      | d <sub>3</sub> Neck Diameter:  |                              |
| Other Tolerance:  |                      | Other Tolerance:               |                              |
| l <sub>3</sub> Neck Length:   |                      | l <sub>2</sub> Overall Length: |                              |
| Other Tolerance:  |                      | Other Tolerance:               |                              |
| r <sub>1</sub> Corner Radius: (Full Rad.) r <sub>1</sub> = 0.5 x l <sub>1</sub> |                      |                                |                              |
| Other Tolerance:  |                      |                                |                              |
| Number of Flutes:   |                      | Material:                      | HSS      Carbide      Cobalt |
| Quantity:   | Coated:    Yes    No | Weldon Flat:                   | Yes    No                    |
| Material to be cut:   |                      | Due Date:                      |                              |
| Company Name:   |                      | Contact Name:                  |                              |
| Address:  |                      |                                |                              |
| Address Cont.:  |                      |                                |                              |
| Email:  |                      | Phone:                         |                              |
| Comments:   |                      |                                |                              |



# Keyseat Cutter – Style D Chamfered Corners

- 4, 5, 6, or 8 Flutes
- Chamfers on both sides
- Radius or Flat on O.D.
- Dished on Front and Back for Slotting
- Neck is non-cutting



Tolerances unless otherwise specified below:

$$d_1 \begin{matrix} +0.000'' \\ /-0.003'' \end{matrix} \quad d_2 \begin{matrix} +0.0000'' \\ /-0.0005'' \end{matrix} \quad d_3 \begin{matrix} +0.000'' \\ /-0.010'' \end{matrix} \quad l_1 \pm 0.002''$$

$$l_2 \pm 0.060'' \quad l_3 \begin{matrix} +0.040'' \\ /-0.000'' \end{matrix} \quad r_1 \pm 0.002'' \quad \alpha_1 \pm 2.0^\circ$$

|   |                      |                                |                              |
|---|----------------------|--------------------------------|------------------------------|
| d <sub>1</sub> Keyseat Diameter:                  |                      | d <sub>2</sub> Shank Diameter: |                              |
| Other Tolerance:                                  |                      | Other Tolerance:               |                              |
| l <sub>1</sub> Keyseat Width:                     |                      | d <sub>3</sub> Neck Diameter:  |                              |
| Other Tolerance:                                  |                      | Other Tolerance:               |                              |
| l <sub>3</sub> Neck Length:                       |                      | l <sub>2</sub> Overall Length: |                              |
| Other Tolerance:                                  |                      | Other Tolerance:               |                              |
| r <sub>1</sub> Radius:<br>(or Specify Flat Width) |                      | α <sub>1</sub> Included Angle: |                              |
| Other Tolerance:                                  |                      | Other Tolerance:               |                              |
| Number of Flutes:                                 |                      | Material:                      | HSS      Carbide      Cobalt |
| Quantity:   | Coated:    Yes    No | Weldon Flat:                   | Yes    No                    |
| Material to be cut:                               |                      | Due Date:                      |                              |
| Company Name:                                     |                      | Contact Name:                  |                              |
| Address:  |                      |                                |                              |
| Address Cont.:                                    |                      |                                |                              |
| Email:  |                      | Phone:                         |                              |
| Comments:   |                      |                                |                              |

