

This sheet is to confirm the dimensions of deburring area. Feasibility of the Path generation will be determined based on the information below and notified to a customer with an optimal Cutter size.

1. Path Use Conditions

The both boxes must be checked.

- I agree that XEBEC Technology has granted the authority to use the XEBEC Path for Back Burr Cutter and that I will not hand over or distribute this data outside the company.
- I agree to not use any tools besides the XEBEC Back Burr Cutter when using the XEBEC Path.

2. Customer information

Company Name : _____ Dept. _____ Print Name: _____

Phone: _____ E-mail : _____ Signature : _____

3. Hole type and Size

- Select **ONE** hole type.
 - Enter the diameter of the cross hole (the Cutter insertion hole), the main bore, and the hole length when required.
- * Enter an **aimed value**. Enter up to the **3rd decimal place**.

Orthogonal cross hole

Main bore ≥ Cross hole **Cross hole > Main bore**

A Outer diameter
Upper & lower edges

B Inner diameter
Upper & lower edges

K Inner edges

Cutter insertion hole dia. (Φd2)

Outer dia or main bore dia. (ΦD1 or Φd1)

mm

Angled cross hole

D Outer diameter
edge

E Inner diameter

Cutter insertion hole dia. (Φd2)

Outer dia or main bore dia. (ΦD1 or Φd1)

mm

Angled hole

F Front & back edges

Cutter insertion hole dia. (Φd2)

mm

Planar hole

C Front & back edges

Cutter insertion hole dia. (Φd2)

mm

Broken hole

L Main bore ≥ Cross hole **M Cross hole > Main bore**

Cutter insertion hole dia. (Φd2)

Main bore dia. (Φd1)

mm

Slotted hole

Parallel to the central axis **Perpendicular to the central axis**

G Outer edge **I Outer edge**

H Inner edge **J Inner edge**

Cutter insertion hole dia. (d2)

Cutter insertion hole length (ℓ)

Outer dia or main bore dia. (ΦD1 or Φd1)

mm

4. Hole detail information

*Check "+" or "-". Enter up to the 3rd decimal place.

A
B

K

L

M

D
E

G
H

I
J

Amount of shift

Is the cross hole on-center to the main bore?

Yes No

If you select **No** above, enter the amount of shift and direction of the cross hole to the main bore.

Amount of shift (e)

+ . mm

- . mm

Main bore position

Is the main bore oriented to the Y-axis?

Yes No

If you select **No** above, enter the position of the main bore to the Y axis.

Main bore orientation (ar)

+ . °

- . °

F

Inclination angle

Enter the inclination angle of the main bore or the surface to the +Z-axis (the cutter insertion hole)

Inclination angle (aa)

+ . °

- . °

Surface Position

Is the maximum inclined surface oriented to the Y-axis?

Yes No

If you select **No** above, enter the position of the maximum inclined surface to the Y axis.

Orientation angle (ar)

+ . °

- . °

<Restrictions of path generation>

- *Path may not be generated for certain hole combinations.
- *For Type D, E, F, K, L and M, there is a possibility of secondary burrs, depending on the condition of the crosshole edge and material. Please consider to use a brush after machining.
- *This is not applicable for a screw hole or material surface.
- *3-axis simultaneous control is required.

<Caution>

Make sure to enter accurate values. The XEBEC Path for Back Burr Cutter is generated based on these values and if erroneous values are entered, an incorrect path will be generated which will **cause a workpiece, cutter or machine to break.** XEBEC Technology is not responsible for any damage caused in cases such a case.

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