

This sheet is used to examine if XEBEC Path can be generated for your application and to determine an optimal Cutter size.

[Path generation restrictions]

* 3-axis simultaneous control is required.
* Path may not be generated for certain hole combinations.

[Caution]

Make sure to enter the accurate values. The XEBEC Path for Back Burr Cutter is generated based on the numeric values you provide. If incorrect values are provided, the incorrect Path will be generated, which may cause damage to the workpiece, the Cutter, and the equipment. XEBEC TECHNOLOGY is not responsible for any damage caused by an incorrect value. There is a possibility that secondary burrs may occur depending on the condition of the cross hole edges and the workpiece material.

1. End user information and Path usage conditions

Company name : _____ Dept. name : _____ Name : _____

TEL : _____ E-mail : _____ Country : _____ Signature: _____

▼ Check the both boxes below to consent the conditions. The order will not be placed unless you check both of them.

I agree that XEBEC TECHNOLOGY grants us permission to use XEBEC Path for Back Burr Cutter and agree not to transfer or distribute the data to parties outside the company. I take it upon ourselves to manage the data appropriately, ensuring it is not used for purposes or subjects other than the intended ones, excluding possible temporary use outside for testing and during the startup period.

I agree not to use any tool other than XEBEC Back Burr Cutter when using XEBEC Path.

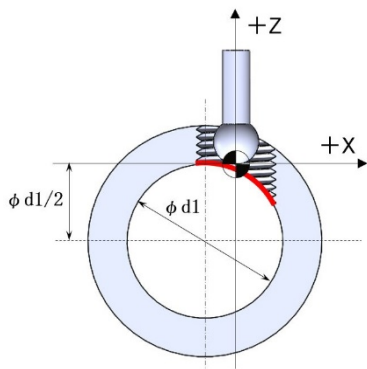
2. Hole type and dimensions

- Select 1 hole type from P, Q or R and check a box below.
- Enter a metric tap size.
- If you select the type P, enter the aimed value up to the 3rd decimal place in the cross hole dia. .

Metric tap size

- M3
- M4
- M5
- M6
- M8
- M10
- M12
- M16
- M18
- M20
- M22
- M24

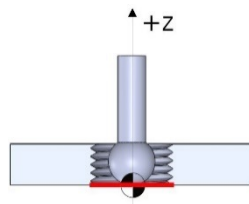
P Orthogonal cross hole Inner dia.



Tap size (M)

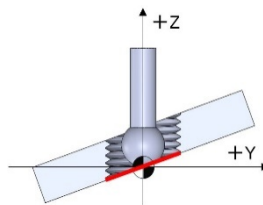
Cross hole dia. (φ d1) . mm

Q Flat surface hole Back edge



Tap size (M)

R Angled surface hole Back edge



Tap size (M)

3. Amount of Shift (e)

Fill out if you selected the type P above.

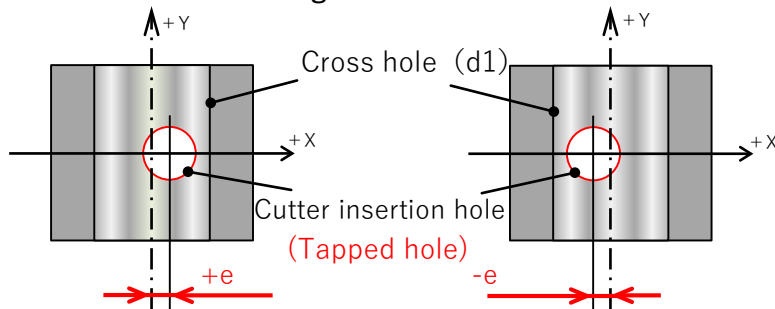
When the Cutter insertion hole is:

On-center to the central axis of the cross hole, check the box on the right.

On-center

Off-center to the central axis of the cross hole, enter the amount of the shift of the Cutter insertion hole.

Check either “+” or “-” sign box.



Amount of Shift (e)

+ . mm

- . mm

Amount of shift

When the Cutter insertion hole is

On-center : e=0mm

Off-center to the left of the cross hole : e=- mm

Go to the next page

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

4. Cross hole orientation

Fill out if you selected the type **P** or **R** in the section 2.

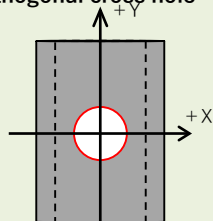
When the Cross hole or the angled surface is:

Parallel to Y axis ($ar=0^\circ$), check the box on the right.

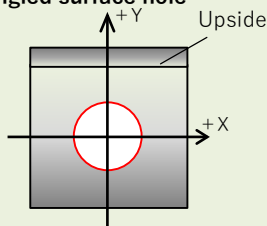
Not parallel to Y axis, enter the orientation angle to the Y axis.
Check either "+" or "-" sign box.

When the cross hole is parallel to Y axis ($ar=0^\circ$)

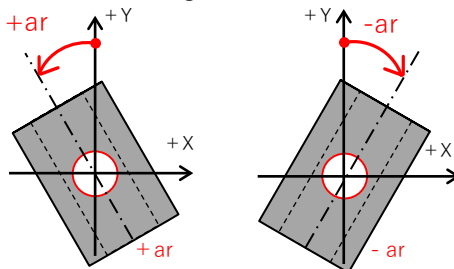
P. Orthogonal cross hole



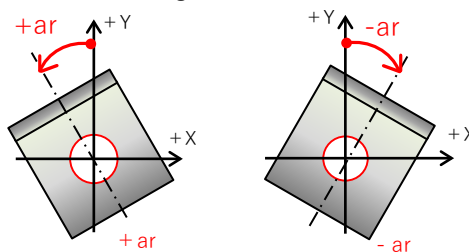
R. Angled surface hole



P. Orthogonal cross hole



R. Angled surface hole



check

Parallel to Y axis

Cross hole orientation (ar)

check

+ °

check

- °

Cross hole orientation

Parallel to Y axis : $ar=0^\circ$

CCW orientation to Y axis : $ar=+\square^\circ$

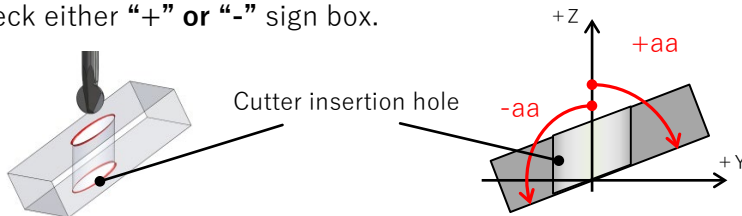
CW orientation to Y axis : $ar=-\square^\circ$

5. Inclination angle

Fill out if you selected the type **R** in the section 2.

Enter the inclination angle to the central axis of the Cutter insertion hole.

Check either "+" or "-" sign box.



Inclination angle (aa)

check

+ °

check

- °

Inclination angle

When the cross hole is inclined to:

+ Y side : $aa=+\square^\circ$

- Y side : $aa=-\square^\circ$

Supported angles for aa

$+60^\circ \leq +aa \leq +120^\circ$

$-60^\circ \leq -aa \leq -120^\circ$

The number of Paths

of

*This sheet consists of two pages. Fill out the number of Paths. Enter 1 of 1 if you are ordering one Path.