4 Hole type

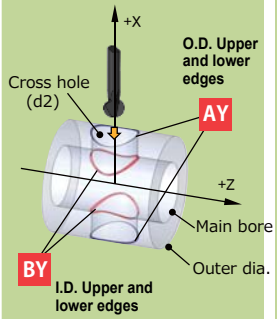
Red/blue-lined parts are to be deburred.

Cross hole

Main bore≥Cross hole

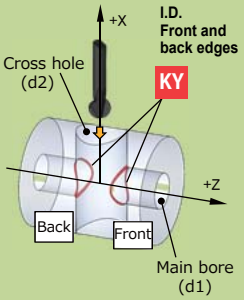
AY O.D. Upper and lower edges

BY I.D. Upper and lower edges



Main bore<Cross hole

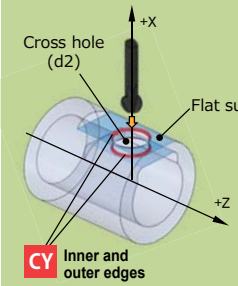
KY I.D. Front and back edges



When the hole is broken, please choose MY

Flat surface hole

CY Inner and outer edges

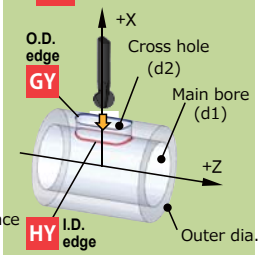


Slotted hole

Parallel to main bore

GY O.D. edge

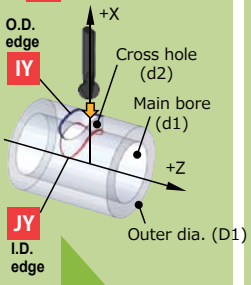
HY I.D. edge



Perpendicular to main bore

IY O.D. edge

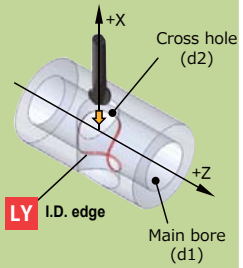
JY I.D. edge



Broken hole

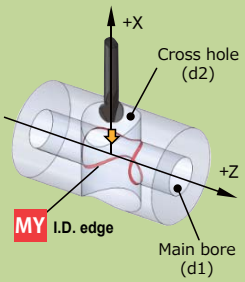
Main bore≥Cross hole

LY I.D. edge



Main bore<Cross hole

MY I.D. edge



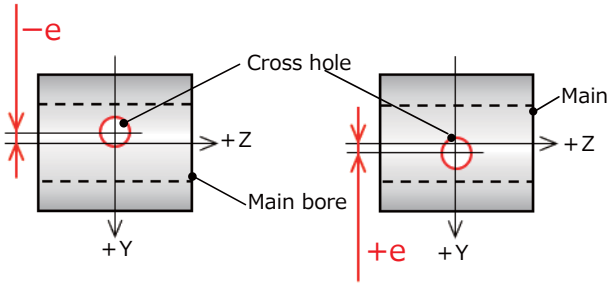
If ordering both an outer diameter (O.D.) and inner diameter (I.D.), fill out 1 sheet for each.

5 Amount of shift

Only for AY BY GY HY IY JY KY LY MY, enter how much the Cutter inserting hole (cross hole) is shifted from the central axis of the main bore and the diameter of the workpiece.

■ When the cross hole is on center, enter "0"

■ When off-center, enter "+/-" sign and the "amount of shift"



*Be sure to enter the right direction "+/-"

Combined Lathe — XEBEC Back Burr Cutter and Path — Application Sheet — Entry form

The number of Paths

☐ of ☐

Submit to:

XEBEC local distributor or
bbcp@xebec-tech.co.jp

Caution: numeric values

Make sure to enter the accurate values. The XEBEC Path for Back Burr Cutter is generated based on the numeric values you provide, so 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. Secondary burrs may occur depending on the condition of the cross hole edges and the workpiece material.

1 Notes

This sheet is used to examine if XEBEC Path is applicable for a designated edge. Additionally, an optimal Cutter size is determined based on the values on this form.

- Fill out from 2 to 8 and send this application sheet by e-mail to XEBEC distributor in your region or XEBEC Technology.
- Read 1 on the guideline before filling out the application sheet.
- For fields 3 to 5, refer to the sections 3 4 5 on the guideline.
- If requesting more than 2 Paths, fill out 1 sheet for each Path.

2 Controlling mode

☐ Diameter mode

☐ Radius mode

Contact us if you use an automatic lathe or your machine has Y-axis in diameter mode.

3 Type of lathe

☐ **XZC-axis**
- Polar coordinate interpolation is required.
- Paths are generated in UVW form.

☐ **XZY-axis**
- Paths are generated in UVW form.

5 Amount of shift (e)

☐ ☐ ☐☐☐ . ☐☐☐ mm

4 Hole type

Select 1 edge type and check a box below.
(Only one for each sheet)

Hole type	Lathe type XZC	Lathe type XZY	Edge type	Check
Cross hole	AC	AY	O.D. Upper and lower edge	
	BC	BY	I.D. Upper and lower edge	
	KC	KY	I.D. Front and back edge	
平面穴/端面穴	CC	CY	Inner and outer edge	
Slotted hole	GC	GY	Parallel to main bore O.D. edge	
	HC	HY	Parallel to main bore I.D. edge	
		IY	Perpendicular to main bore O.D. edge	
		JY	Perpendicular to main bore I.D. edge	
Broken hole		LY	I.D. edge (main bore≥cross hole)	
		MY	I.D. edge (main bore<cross hole)	

Dimensions

Enter the dimensions of the areas to be deburred
Make sure to enter the aimed value up to the 3rd decimal place.

Cross hole diameter (φd2)

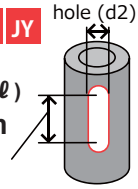
☐☐☐ . ☐☐☐ mm

Outer diameter(φD1) or main bore diameter(φd1)

☐☐☐ . ☐☐☐ mm

Enter for GC GY HC HY IY JY

Width of cross hole (d2)



The distance between R centers on each ends (ℓ)

☐☐☐ . ☐☐☐ mm

6 Cutter size (optional)

If you need to specify a Cutter size, check a box below.
*If the specified Cutter diameter is not appropriate, an optimal Cutter size is selected.

☐ Not specified ☐ φ0.8 ☐ φ1.3 ☐ φ1.8 ☐ φ2.8 ☐ φ3.8 ☐ φ4.8 ☐ φ5.8

7 Path usage conditions

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

☐ I agree that XEBEC TECHNOLOGY grants us permission to use XEBEC Path for Back Burr Cutter and we 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 for Back Burr

8 User information

If requesting more than 2 Paths at the same time, fill out this section only on the first sheet.

Company name:

Dept. name:

Name:

Tel.:

E-mail :

Country:

Signature: