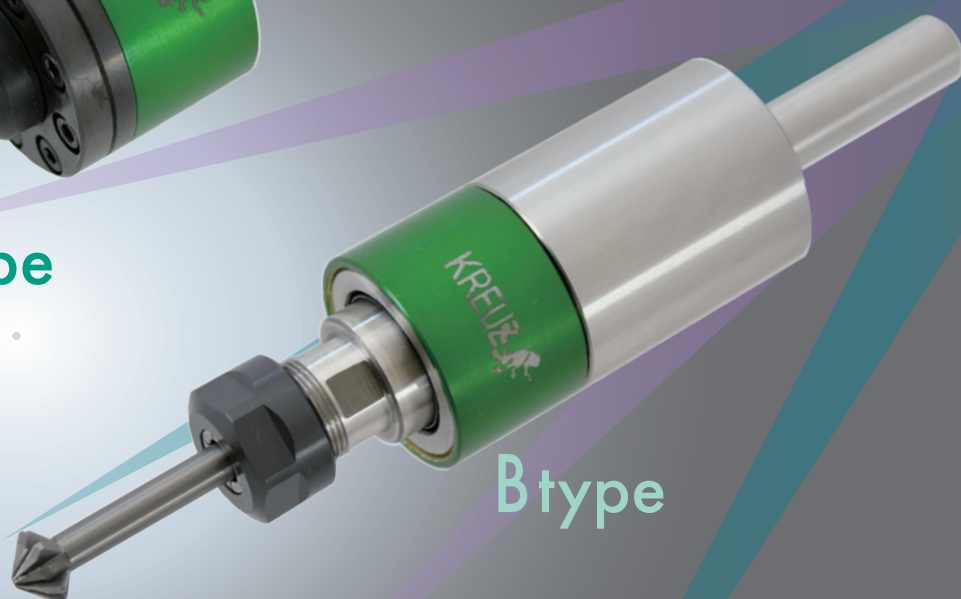


# FF HOLDER

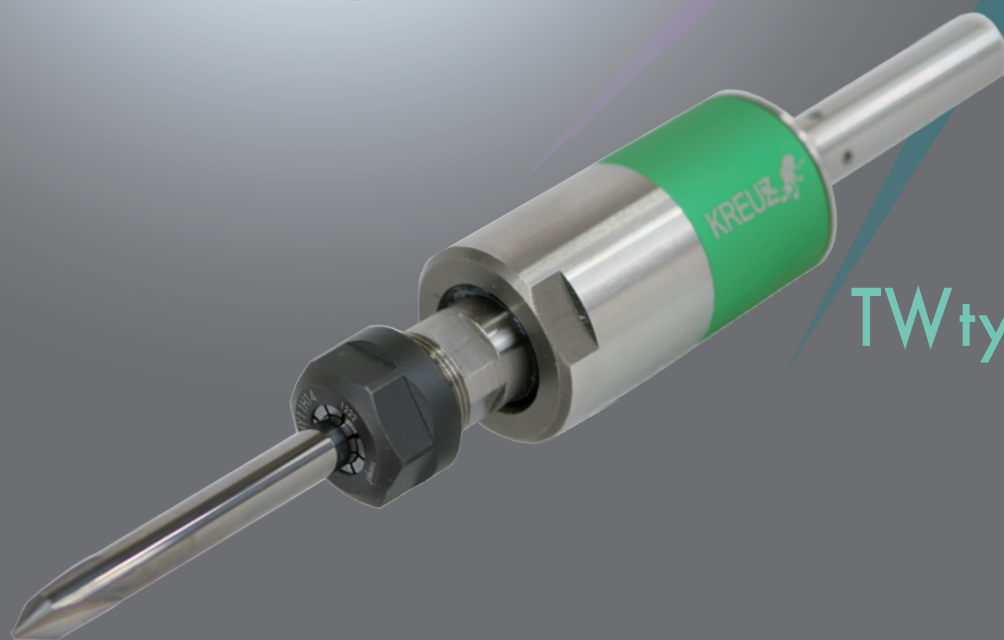
面取り・バリ取りツーリング  
Chamfering・Deburring  
Tooling



Atype



Btype



TWtype



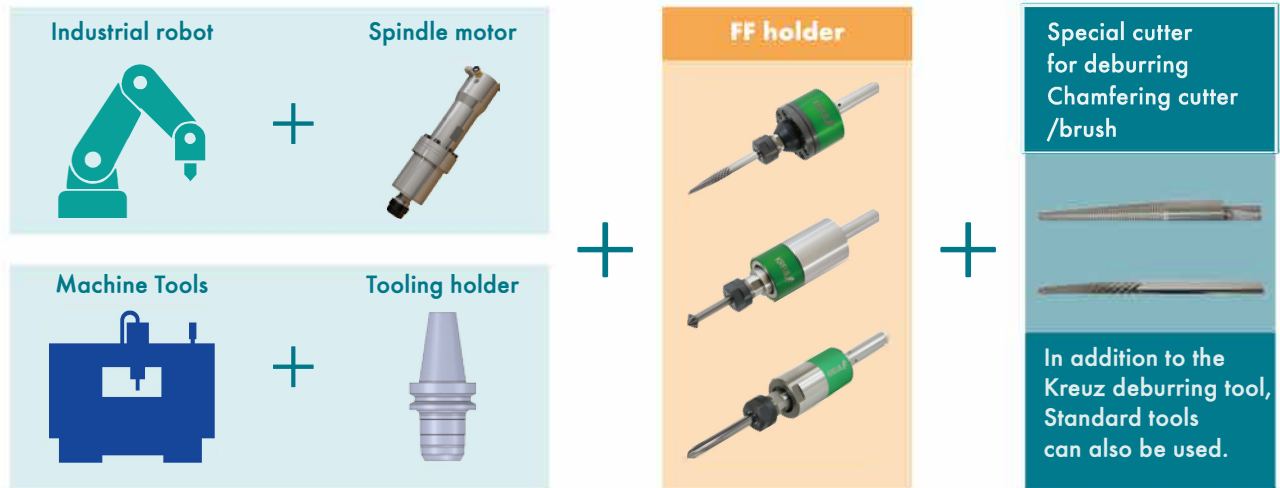
KREUZ Co.,Ltd.  
株式会社クロイツ

MADE IN JAPAN

# FF holder HOLDER

This holder is essential for performing processes such as deburring and chamfering while the cutter follows the shape of the workpiece.

It is used by attaching it to robots, machine tools, etc.

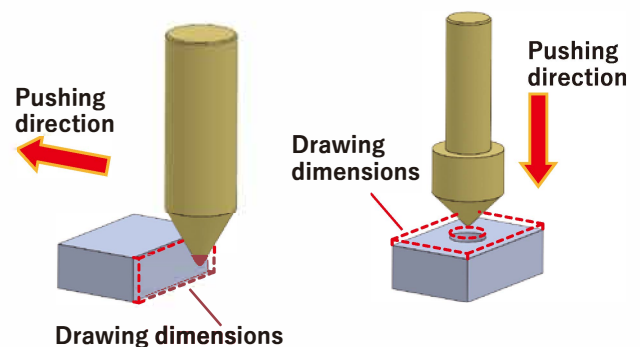


Deburring and Chamfering are done by pressing a cutter or brush.

There will always be errors between the machined product and the drawing dimensions.

Since deburring and chamfering are based on the finished product, it is necessary to take this error into consideration when deburring and chamfering.

To achieve this, we need what Kreuz called the "Floating Mechanism." We use a holder with a built-in mechanism that allows the cutter to freely follow the shape of the work-piece. Then make a program at a position that is pushed further than the drawing dimensions.



Select from three types of profiling directions according to the machining process.

Deburring and chamfering occur not only in the vertical direction, but also in all directions, including horizontally and diagonally.

To accommodate this, FF holders are available in three types of tracing directions.

[Reading QR code to see the deburring video]



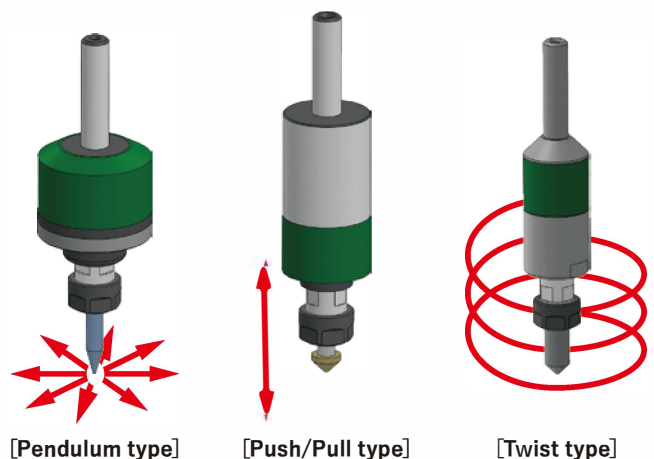
[Pendulum type]




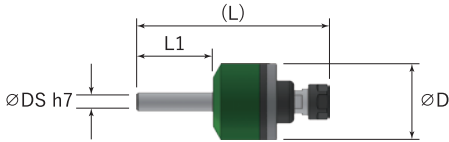
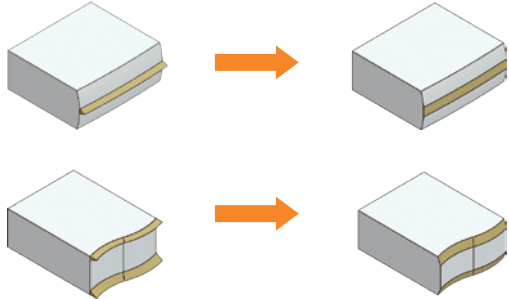
[Push/Pull type]


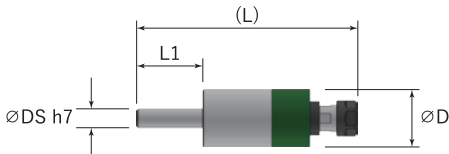
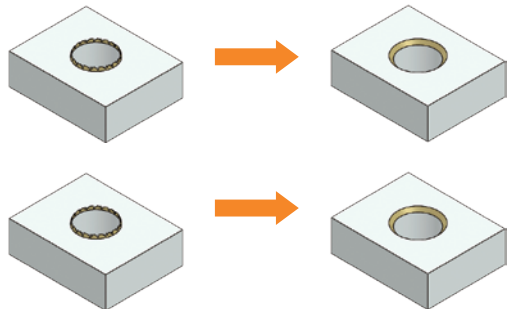



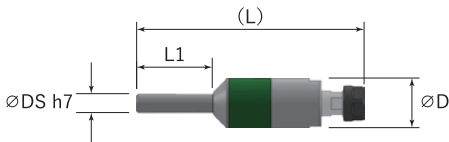
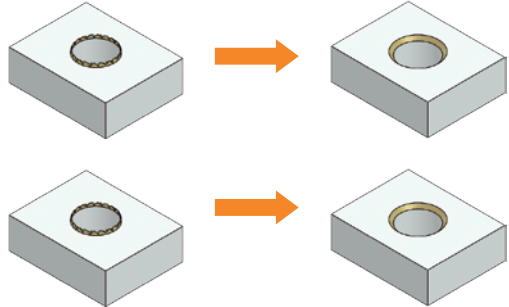
[Twist type]



## Holder lineup

Floating direction		Main target for deburring					
<b>Pendulum</b>  Floating displacement amount 3 degrees circumferentially		■ Rough material burrs for die-cast products and castings ■ Secondary burrs generated during machining  [Collet chuck type]					
Product name	D (mm)	L (mm)	L1 (mm)	φDs (mm)	Weight (g)	Max. rpm. (min <sup>-1</sup> )	Accessories (included)
type A	40	102	40	10 ※Ds option available	285 (φDs=10)	8,000	• Colette • Nut • Spanner

Floating direction		Main target for deburring					
<b>Push and pull</b>  Floating displacement amount ±4mm		■ Burrs on the surface and back of drilled holes and long holes  [Collet chuck type]					
Product name	D (mm)	L (mm)	L1 (mm)	φDs (mm)	Weight (g)	Max. rpm. (min <sup>-1</sup> )	Accessories (included)
type B	30	117	35	10 ※Ds option available	300 (φDs=10)	10,000	• Colette • Nut • Spanner

Floating direction		Main target for deburring					
<b>Twist</b>  Floating displacement amount ±4mm		■ Chamfer cutter of 90° or less can be used  [Collet chuck type]					
Product name	D (mm)	L (mm)	L1 (mm)	φDs (mm)	Weight (g)	Max. rpm. (min <sup>-1</sup> )	Accessories (included)
type TW	26	115.3	35	10 ※Ds option available	225 (φDs=10)	10,000	• Colette • Nut • Spanner

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※Product specifications may change without notice  
for technical improvement.