



Deburring and chamfering tooling

# F Holder

A holder enables deburring process by mounting on machine tools, general-purpose articulated robots, and various spacial purpose machines.

Selectable depends on the characteristics of various burr.

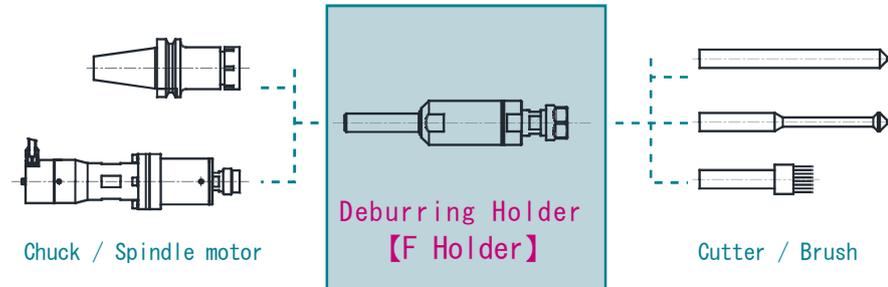


KREUZ Co.,LTD.

# Deburring and chamfering tooling F Holder

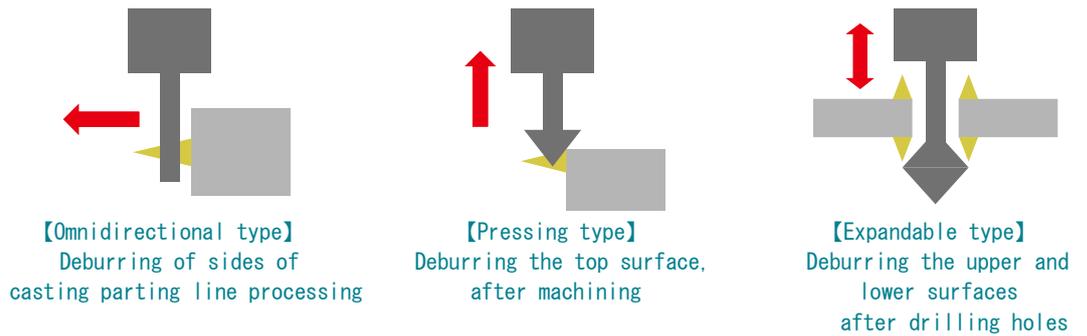
In order to realize automatic deburring, it is required to process tracing the target material by tools.

The Kreuz deburring holder has a built-in mechanism that acts to escape towards opposite direction when a tool is pushed to target more than certain force or more by using this, deburring can be performed not only with robot but also with various machine tools and special-purpose machines.



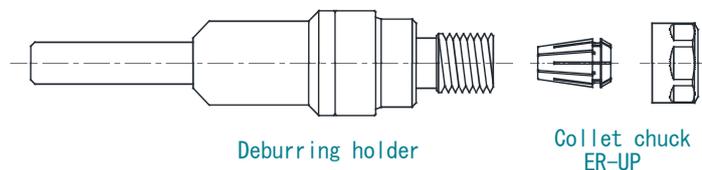
The operation type can be selected according to the processing location.

Burrs in all directions depend on materials and processing. Kreuz has a lineup of deburring holders that can be used with tools according to the characteristics of burrs.



High-precision collet enables high-speed machining with high rotation and feeding.

Required quality in deburring and chamfering. To provide stable processing at high speed, we use [high-precision collet chuck ER-UP] to F-Holder.

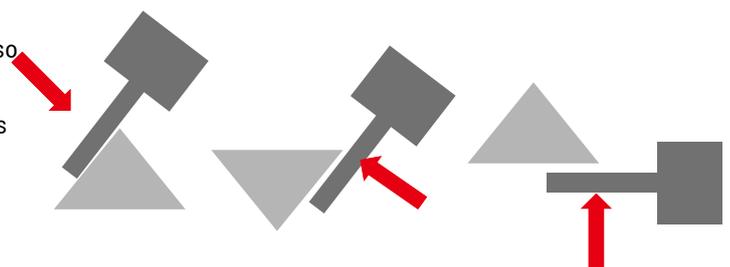


## Neutral position under pressurization

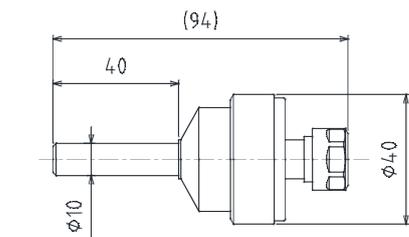
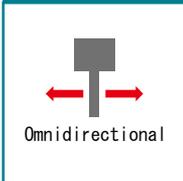
In the deburring process, tool posture is required to process diagonally, not only downwards.

Pressurization is applied to the deburring holder so that the tool can be pressed and processed, which means the tool operates when a certain pressure is applied.

This mechanism realizes stable deburring quality.

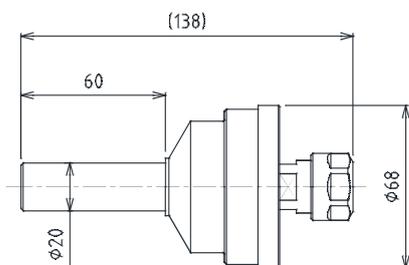


# F Holder lineup by operation



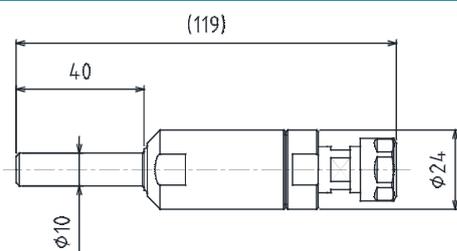
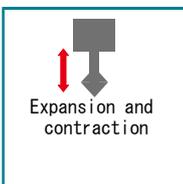
## A type

Amount of movement	Maximum rotation speed	Mass	Collet chuck
Omnidirectional 2degrees	8,000 min <sup>-1</sup>	250g	ER11-UP (Φ2.0~Φ6.0)



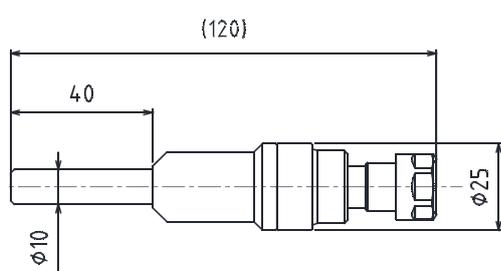
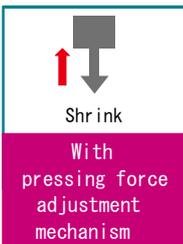
## AL type

Amount of movement	Maximum rotation speed	Mass	Collet chuck
Omnidirectional 3degrees	8,000 min <sup>-1</sup>	950g	ER16-UP (Φ3.0~Φ10.0)



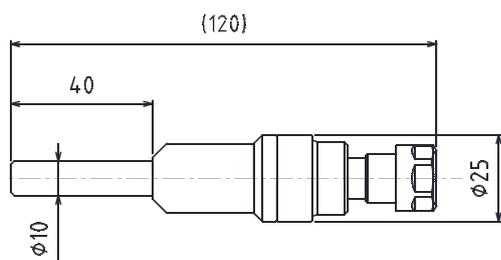
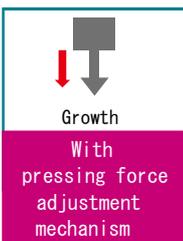
## B type

Amount of movement	Maximum rotation speed	Mass	Collet chuck
Growth 4mm Shrink 4mm	8,000 min <sup>-1</sup>	300g	ER11-UP (Φ2.0~Φ6.0)



## C type

Amount of movement	Maximum rotation speed	Mass	Collet chuck
Shrink 4.5mm	10,000 min <sup>-1</sup>	250g	ER11-UP (Φ2.0~Φ6.0)



## D type

Amount of movement	Maximum rotation speed	Mass	Collet chuck
Growth 4.5mm	10,000 min <sup>-1</sup>	250g	ER11-UP (Φ2.0~Φ6.0)

## When ordering

■ Please let us know the holder type and collet size.

It is also possible to change the shank diameter.

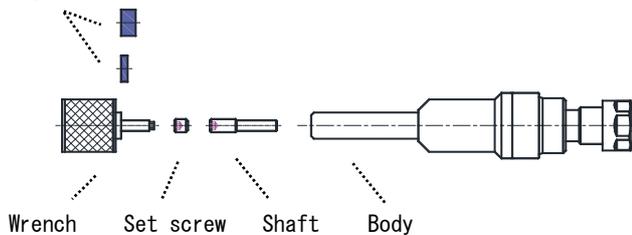
If you have any requests, please contact us separately.

※ Collet, collet nut, and spanner are sold separately.

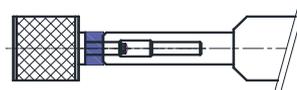
The pressing force  
adjustment mechanism

is a mechanism that can change the tool pressing force be selected.  
by changing the shaft position in the main body shank.

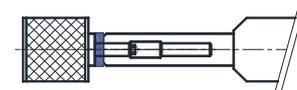
Adjustment collar



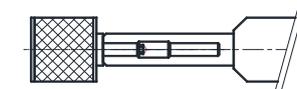
【Weak】



【Middle】



【Strong】



### 〈Adjustment method〉

Weak: Attach the thicker adjustment collar to the wrench, insert the shaft, and secure it with the set screw.

Middle: Attach the thinner adjustment collar to the wrench, insert the shaft, and fix it with the set screw.

Strong: Insert the shaft into the wrench without the adjustment collar and secure with the set screw.



KREUZ Co., Ltd

102-7 Jindoike, Noda-cho, Kariya, Aichi, 444-0803 JAPAN

TEL: +81-566-22-5263 FAX: +81-566-25-3339

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※Tool specifications are subject to change without notice.