



XTOOL

Back side chamfering tool

- ◆ Tools for back side chamfering with machining centers, tapping centers, or special-purpose machine.



- ◆ No tips clogging with center through structure for coolant or air.
- ◆ It can be processed from the shaft hole or transverse hole.
- ◆ Carbide tip provides long life.
- ◆ The tool diameter is minimum $\Phi 4\text{mm}$ or more.



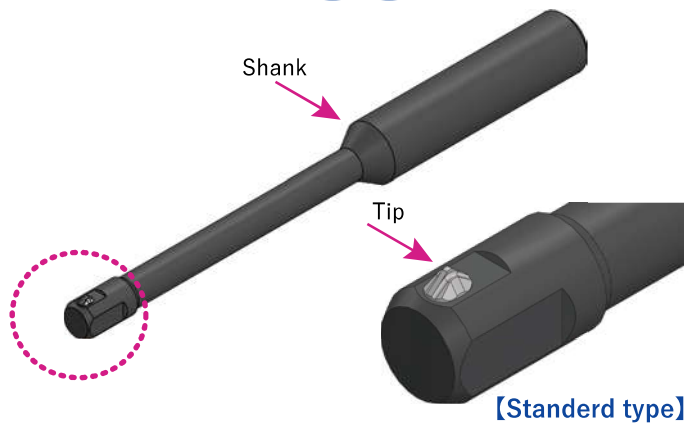
Various shapes are available according to needs.

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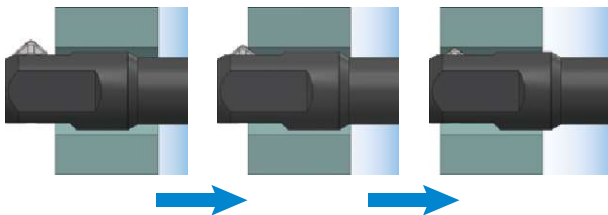
XTOOL

【What is X tool?】

Tools for back side chamfering with machining centers, tapping centers, or special-purpose machines.



Chamfering while pushing the tip



Protruded tip process chamfering while pushing.

Just insert tip while rotating

Align the hole and axis of the tool, let pass through with forward rotation. Process with forward rotation and reverse rotation incase the target is processed from shaft hole side.

The edge of the carbide tip is guide shaped and no easy scratched



Material is hard carbide (wc).
When the tool is inserted, the wall surface of insertion hole touch with tips top, however, tip is designed in hard-to-scratch.

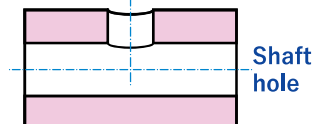
Possible processed from either the shaft hole or the back side chamfer hole

No restriction for insert direction in axis hole or back side chamfering hole. In case the processing.

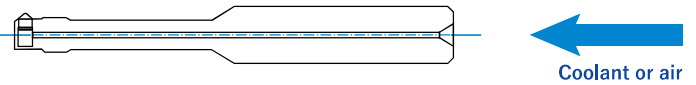
Processable from $\Phi 1.0\text{mm}$ in back side chamfering incase it is processed from axis hole side.

※The minimum diameter of the tool is $\Phi 4.0\text{mm}$.

Back side chamfer hole



No clog tips with center-through structure

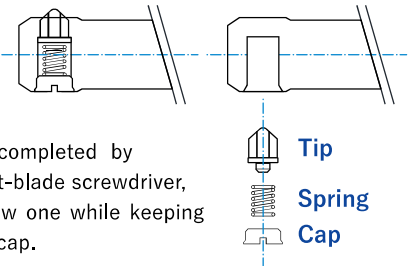


It supplies 0.2MPa coolant or air by through the center structure.
Provide stable quality without tips clogging.
Attachable to oil hole holder.

Simple structure that holds the tip with a spring

As the spring pushes the tip directly, it has excellent responsiveness.

Also, tip replacement is completed by removing the cap with a flat-blade screwdriver, replacing the tip with a new one while keeping the spring, and tighten the cap.



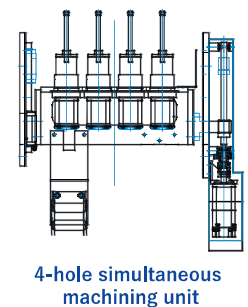
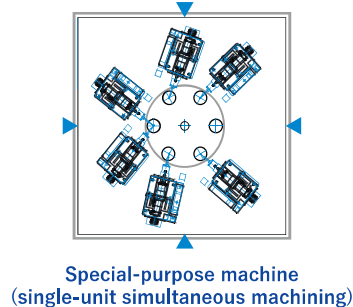
Manufacture according to the processed target

The X tool is manufactured according to the hole diameter to be inserted.

In addition to the ordinary type, we provide special type for example, multiple tip type which is for processing multiple hole at the same time, or no interference type at drillend by placing tips diagonally.



Special-purpose machine and spindle unit are also available



【The X tool is easily used invarious ways】

We also manufacture equipment that meets customer needs, such as standard single units with center-through spindles, special-purpose machines that process multiple units at the same time, or special-purpose units suitable for applications.



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※Tool specifications are subject to change without notice.