

New

Pilot Hole Drill Bit (for woodworking)

No.AHD-3 [for 3mm, Wood screw/Small head wood screw 3.1~3.5mm]

No.AHD-4 [for 4mm, Wood screw/Small head wood screw 3.8~4.1mm]

Use with

40V (also 18V)
power tools

* Suitable for use at 3,000 rpm or less.

* The pilot hole depth recommended by the screw manufacturers is 50% to 70% of the dimension below the neck of the wood screw. Select a suitable pilot hole drill, making sure that the wood materials will be firmly fastened after tightening the screws.

PREVENT WOOD CRACKING

Tip-end with excellent sharpness

Smooth electroless
nickel plating finish6.35
mmReverse-tapered spiral shape,
creating less drilling load**For preventing wood cracks.**

Easy drilling, thanks to the reverse-tapered design and low cutting resistance. With a pilot hole, you can prevent the wood material from cracking.

220USB*220USB screwdriver is available
in certain countries.

Can be used
with **VESSEL
USB Screwdriver!!**

Satisfying finish.

The wood screw can be
appropriately inserted according
to the pilot hole.

Made in Japan

Applications: Ideal for drilling holes in wood, laminated wood, bamboo, gypsum board, and resin products.

Features Boundless applications! Personal use (modeling, radio controls, handicrafts), simplified shelves and furniture assembly, fittings and curtain rail installation, woodworking, etc.



This pilot hole drill bit enables to drill a pilot hole for wood screw work even with VESSEL rechargeable USB screwdriver, which was not intended because the woodworking requires high load and high torque performance.



POINT 01

Special Design: Reverse-tapered spiral shape, which is rare to general pilot hole drills. Cutting resistance is greatly reduced as the drill is less likely to get caught after drilling, and the bit can be pulled out easily.

Pilot hole drill (4mm)



Tapered cone (4mm)

The tapered cone drill bit is difficult to be pulled out because, the deeper the hole is drilled, the more the resistance increases.

POINT 02

The tip-end is designed so that the drilling depth is controlled to the approximate extent. Prevents failure to drill too deep a pilot hole.



Pilot hole drill

Gimlet for wood

VESSEL's pilot hole drill bit is like a gimlet, which does not have small drill at the tip-end.

POINT 03

The electroless nickel plating process is resistant to rust, and, because of its smooth surface, prevents wood chips from clogging.



Electroless nickel process

Polishing process

If it is clogged with wood chips, the drilling cannot be made repeatedly.

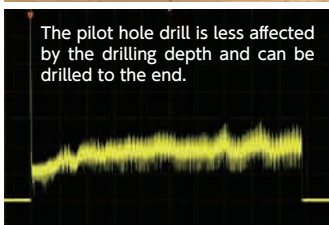
Check Differences from other pilot hole drill bits:

Drilling load: Measure the load current when drilling with the 220USB, VESSEL USB screwdriver.

Pilot hole drill



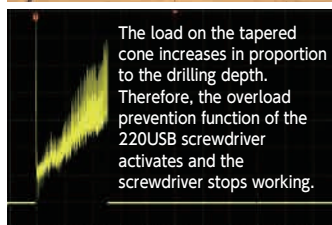
The pilot hole drill is less affected by the drilling depth and can be drilled to the end.



Tapered cone



The load on the tapered cone increases in proportion to the drilling depth. Therefore, the overload prevention function of the 220USB screwdriver activates and the screwdriver stops working.

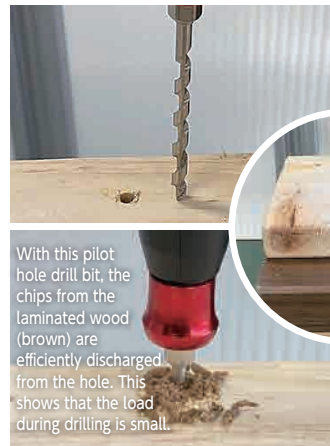


Wood chip discharge during drilling: Make a hole in the wood materials with laminated wood (brown) sandwiched between them, and check the discharge of wood chips.

Pilot hole drill



With this pilot hole drill bit, the chips from the laminated wood (brown) are efficiently discharged from the hole. This shows that the load during drilling is small.



Tapered cone

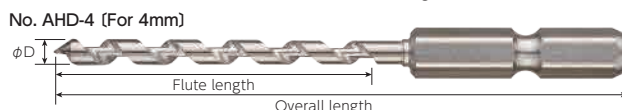
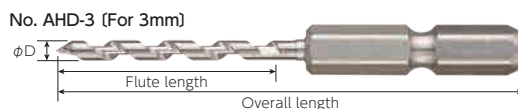


The tapered cone does not discharge laminated wood (brown).



No.AHD-3 No.AHD-4

Pilot Hole Drill Bit (for woodworking) *New*



Model No.	φD	Flute length	OAL	Card size (mm)	EDP No.
AHD-3	2.8	30	65	160×35×8	462901
AHD-4	3.6	45	80	160×35×8	462902

Inner ctn. 10, Outer ctn. 200



Cautions

- Wear protective goggles when working.
- Do not use by applying the excessive force.
- Do not use the tool for any purpose other than its intended.
- Do not use for items in which current flows.
- Check the correct application, size and usage before use.
- Do not modify. If heated or processed, it causes a significant deterioration in quality.

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●Specifications, dimensions, and others are subject to change without prior notice.