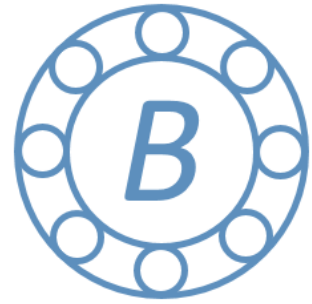


Thank you for purchasing this bearing extractor!

This is a brand new tool design and we're still making changes.

We'd be very grateful for your thoughts, good or bad, on how it performs.

We hope it will make your work much easier, but if not, please let us know - we don't like to leave any customer dissatisfied!



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Using the tool is easy:

1 The tool consists of several parts:

- A hexagonal expanding collet mounted on a bolt with nut and washer
- A large 'cup' part
- A second nut and washer

When received the tool may be assembled with the expanding collet inside the cup. Unscrew the outer nut to remove the cup, separating the parts as shown.

Now is the time to check that the expanding collet has a close sliding fit inside the bearing.

(Tip: If the extractor didn't slide in easily, as is sometimes the case after the first use, then simply give the small end a gentle squeeze with a pair of pliers to close the wedge a bit)



2 The first step is to grip the bearing with the collet.

Slide the round end of the collet inside the bearing.

Hold the hexagonal body of the tool with a spanner or pliers and tighten the nut until snug.

(Tip: The tool is pretty robust, but it can be damaged if the nut is overtightened. If the nut is under-tightened then all that will happen is that the extractor will pop out and you can try again with a bit more pressure.)

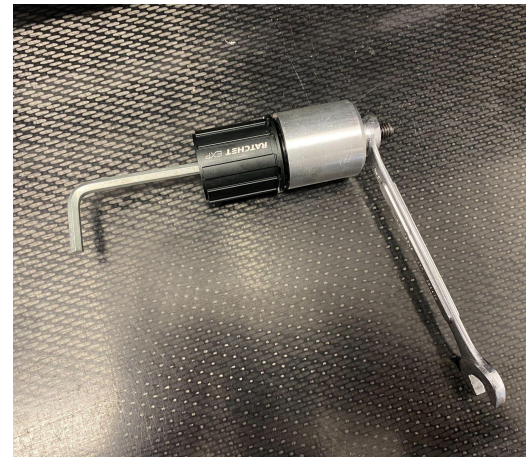


- 3 Once the expanding collet is gripping the bearing securely, the 'cup' is placed over the expanding collet, followed by the outer washer and nut. Ensure the cup is centred.

Reach through the freehub with a 5mm hex key to the end of the collet's bolt.

Tighten the nut and washer on the other end of the cup while using the hex key to prevent the bolt from turning. Tightening the nut should draw the bearing into the cup.

It shouldn't require much pressure to remove the bearing. If it feels stuck, stop and check that the cup is aligned properly.



- 4 Afterwards, to remove the bearing from the extractor, remove the outer nut and cup and then undo the inner nut on the collet a few turns.

Tap **the nut end** of the bolt firmly to loosen the steel wedge from the inside of the aluminium collet body, releasing the grip on the bearing. Once released the bolt should be able to spin freely, if not, unscrew the nut further and repeat.

(Tip: If the bearing is still stuck on the extractor body (after loosening the nut and tapping that end of the bolt) then use a thin edge between the bearing and the extractor body, moving from side to side, to prise the bearing free.)



We pride ourselves on giving our customers good service and would welcome any feedback that you may have.