

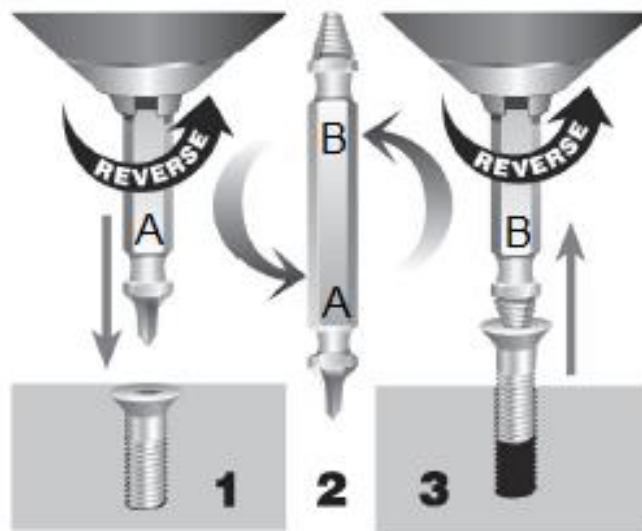
## INSTRUCTIONS FOR USE:

Damaged Screw Extractor works with any 3/8" variable speed, reversible drill.

**DO NOT use with Impact Drivers.**

Not recommended for drywall/sheetrock screws.

Screw Extractors are numbered #1-#4 and can be used in "quick change" type chucks for fast, efficient usage. Extractors can be used to remove screw types including HEX, PHILLIPS, TORX, SQUARE DRIVE, etc. Suitable for wood, sheet metal, mechanical and other screws.



### 1. Drill out:

- Ensure the work piece is secure and will not move whilst using the extractor.
- Insert extractor directly into the drill (or quick-change chuck) so the "A" (burnishing) end is showing. Be sure the extractor is secured tightly in the chuck.
- Set drill for REVERSE (counter-clockwise).
- Place the "A" (burnishing) end of tool into the centre of the damaged screw. Apply firm pressure towards the screw and in line with the extraction angle while drilling a distinct 1/16" – 1/8" hole into the centre of the screw head. The hole should be clean and free of burrs or remaining tool marks.

### 2. Flip:

- Remove burnishing end (A) from chuck. HANDLE CAREFULLY as extractor bit may be hot after drilling.
- Flip bit, and securely replace into drill chuck so the "B" (remover) end is now showing.

### 3. Extract

- Ensure the drill is set to REVERSE (counter-clockwise).
- Place the "B" (remover) end of the tool into the hole you have just made in the screw or bolt.
- Apply firm downward pressure whilst reversing at lowest level of power to the drill. Faster speeds may cause extractors to strip the drilled hole. Continue extracting at a slow even speed until the screw is removed. For free spinning screws, pull drill lightly away from the threads holding the screw.

After removal, the extracted screw or bolt may be stuck to the bit. Carefully tap the stuck screw on a hard surface to remove. If tapping does not release the screw, remove extractor from your drill and separate the screw from the extractor with pliers. Handle carefully – may be hot!

The extractors are reusable. Clean chips off bit(s) and lubricate with oil after use.

Extractor	Screws	Bolts
#1	No. 4 – No. 7	No. 10(5mm)
#2	No 8 – No. 10	1/7 in. (6mm)
#3	No. 11 – No. 14	5/16 in. (8mm)
#4	No. 16 – No. 24	3/8 in. (10mm)

**Warning: Always wear safety glasses and protective clothing when operating or near power tools. Cutting tools may shatter or break.**

**Warning: Do not attempt to extract screws or bolts exceeding 2 inches in length and/or those with aggressive threads. This might cause damage to the extractor.**

#### Helpful Hints:

For hard-to-remove screws or bolts, or if the screw extractor slips or does not bite into the screw or bolt, re-burnish the screw or bolt so that the contact area is an additional 1/16" deeper than before. Or, if applicable, try moving up in bit size repeating each step from the beginning of these instructions. Caution, both of these helpful hints could compromise the screw or bolt head, or the tool.

#### DISPOSAL

- Dispose of all packaging, paper, cartons, plastic and plastic bags in accordance with your local recycling regulations.
- At the end of the product's lifespan please dispose of it at an authorised household waste recycling centre.