



BOLT SIDE DRILLING KIT



COMPONENTS:

- *22" BOLT TUBE (STAINLESS STEEL)*
- *14" BOLT TUBE (STAINLESS STEEL)*
- *1/4" PILOT DRILL BIT (18" LENGTH)*
- *1/4" PILOT DRILL BIT (24" LENGTH)*
- *3/8" BOLT DRILLING BIT (24" LENGTH)*
- *Locking Pliers*

BACKGROUND

In situations where traditional front-drilling of a safe presents issues (eg. nasty hardplate, ball bearings, glass relockers, etc), this bolt drilling kit offers a viable opening option through side or top drilling by severing the lock bolt from the lock itself. With the lock bolt removed, the boltwork of the safe is free to retract with simple handle rotation. This accomplished by side or top drilling a 3/8" hole in the body of the safe in line with the lock bolt then using the included kit components to first capture the lock bolt then pilot drilling a 1/4" hole in the side of the lock bolt so it can then be drilled out completely with a 3/8" drill bit.



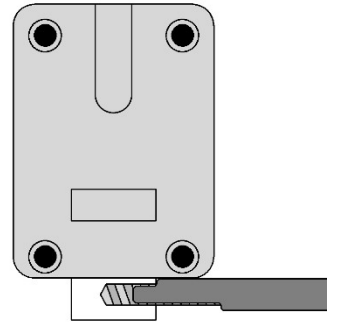
How To Use The Kit

STEP 1) Side or top drill a 3/8" hole through the safe body

Measure the door thickness through the spindle hole (distance to the lock case) and add 1/2" to this measurement to determine how far back from the face of the safe you should side or top drill. You should then measure 2.5" in the direction of the lock bolt to correctly place your drill bit in line with the center of the lock bolt. For example, on a safe with a 3" thick door and a vertical down mounted lock, you would want to side drill and place your drill point 3.5" back from the face of the safe and 2.5" below the center of the spindle hole.

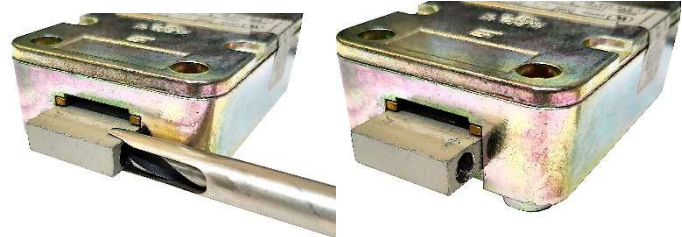
STEP 2) Slide pilot tube over lock bolt

Insert one of the included bolt drilling tubes through the 3/8" hole in the safe and slide the tips of the tube over the bolt to capture it. The tube should be inserted with the larger opening away from the lock case to allow drill shavings to escape and prevent bit binding (see diagram). Use the locking pliers to secure the tube in this position.



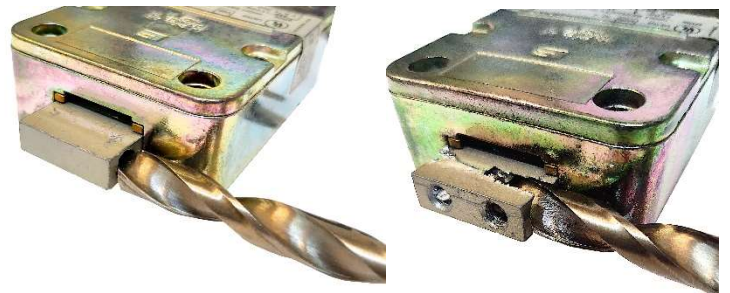
STEP 3) Drill a 1/4" pilot hole through the lock bolt

Insert one of the included 1/4" drill bits through the bolt drilling tube and use it to drill a pilot hole through the lock bolt.



STEP 4) Sever the lock bolt with the 3/8" bit

Remove the bolt drilling tube and insert the included 3/8" HSS drill bit through the side/top of the safe, positioning the tip of the drill bit in the pilot hole previously drilling in the lock bolt. Use light pressure to prevent binding and slowly drill completely through the lock bolt which is approximately 1" thick. You can place a mark 1" back on the drill bit when you begin to measure your progress.



PRO TIP] It may be helpful to drill a 2nd smaller hole to insert a borescope into the safe and help with aligning the tube and drill bits with the lock bolt