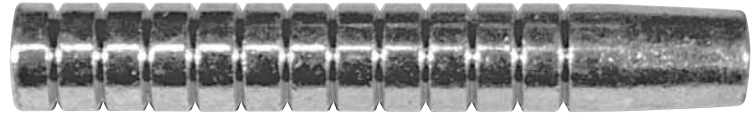# Safe Saver® Pins
SSP2250 / SSP2312 / SSP2375

Example given for 1/4" pin

After a 1/4" diameter hole has been drilled and the container accessed, the lock must be removed. Start the repair process described in the steps below using the Lockmasters' Safe Saver® Pin.

STEP 1

The 1/4" diameter hole will need to be redrilled to a 5/16" diameter from the outside surface of the container to the hardplate. This will allow the larger body of the repair pin to fit into the hole. (**NOTE:** Outside diameter of the pin. See Figure 1, reference item C)

In the testing, it was found that 1/4" carbide drills do not drill a .250 diameter hole. Therefore, the pin was designed with a .250 diameter at the small end tapering up to a .296 diameter over a 13/32" length.
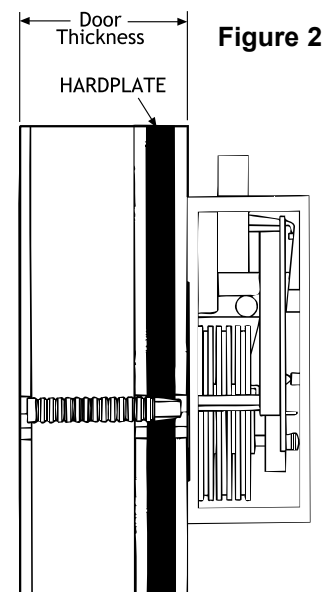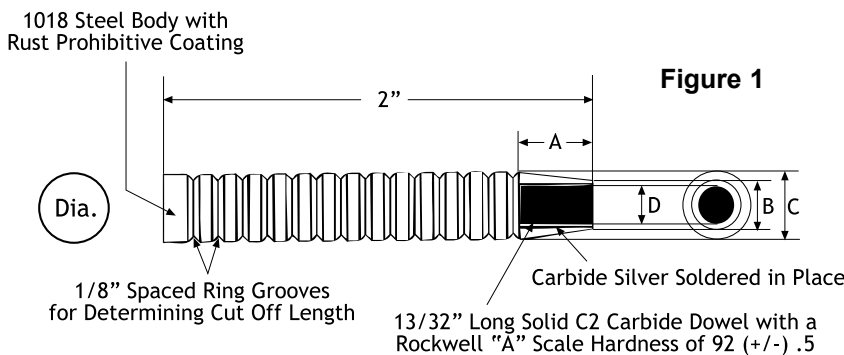
Because of the taper, the pin will automatically adapt to the hole diameter variations caused by different drill bits and the inconsistencies caused the the unstable equipment used in the safe drilling process.

STEP 2

Measure the door or drawer thickness and subtract 1/4" to 3/8" for a substantial weld cavity. For door or drawer thickness 1" or greater, use the Safe Saver® Pin ring grooves as a cut off reference. For door or drawer thickness less than 1", mark the Safe Saver® Pin for the correct length and cut it off. The Safe Saver Pin® can be cut with a standard hacksaw.

Insert the pin and drive it in 1/8" to 3/16" below the container's surface using a standard 1/4" punch and a hammer. This will achieve a tight taper fit between the hardplate and the repair pin, and will also allow proper pin recess in the hardplate for government specified welding and surface finishing instructions as stated in the Industrial Security Manual DoD 5220.22-M. (See Figure 2)

The steps shown will also work for the 5/16" and 3/8" Safe Saver® pins. A 3/8" drill will be used for proper clearance hole size and will be the only difference in the instructions.

Figure 1

1018 Steel Body with Rust Prohibitive Coating

2"

Dia.

1/8" Spaced Ring Grooves for Determining Cut Off Length

Carbide Silver Soldered in Place

13/32" Long Solid C2 Carbide Dowel with a Rockwell "A" Scale Hardness of 92 (+/-) .5

Figure 2

Door Thickness

HARDPLATE

Size	Part Number	A	B	C	D
1/4"	SSP2250	13/32"	.250	.296	.187
5/16"	SSP2312	13/32"	.312	.375	.250
3/8"	SSP2375	13/32"	.375	.421	.250

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