

Framon TLS1 Tubular Lock Saw

This tool is for use on standard 1137 (.375") tubular locks only. When used properly the saw cuts away the lock case, leaving the tumblers intact so that they can be decoded. If decoding is not necessary, simply remove the bottom pins with tweezers then strike the lock face with a mallet. This will bounce the top pins out.

To Cut & Decode A Tubular Lock

Check the lock face with a file to determine whether the case is brass or *soft* steel. Do not use this tool on hardened steel lock or on locks with deadpins. Run at 1,000 RPM and always use eye protection. Feed heavily at first to penetrate the chrome plating as quickly as possible, then slightly ease up on pressure for the rest of the process.

When you feel the saw break through, gently bottom it into the lock. Without removing the saw from the lock, stop the drill. Gently withdraw the saw, being careful not to allow the pins to jump out. Remove the bottom pins, starting at the upper left and proceeding counterclockwise. Lay them in order of removal in a line left to right on a flat surface or in a numbered pin tray. The #1 pin will be on your left, as the spacing runs counterclockwise in these locks. Measure each pin with calipers and record its length and space number. Compare its length to one of the enclosed charts to find its depth number.

After decoding, the top pins must be removed to open the lock. One way is to strike the lock face until the pins bounce out. If some will not bounce out, a bottom pin can be placed in that chamber and pushed in with a wire; quickly slipping the wire off the top of the pin will cause the pins to shoot from the chamber.

A tubular key blank can now be used to turn the lock to the open position.

BOTTOM PIN LENGTHS FOR DECODING TUBULAR LOCKS

Ace	Gem
#1 - .203	#0 - .200
#2 - .218	#1 - .216
#3 - .235	#2 - .233
#4 - .250	#3 - .249
#5 - .265	#4 - .265
#6 - .281	#5 - .280
#7 - .296	#6 - .296
	#7 - .311

If you have any questions please feel free to contact us at 989-354-5623 or by e-mail, sales@framon.com.