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By purchasing the Framon Code Machine, you have the finest code machine available to the locksmith today. In order to attain the full benefit of your Framon Code Machine, we suggest you thoroughly read all of the following information and instructions. Although this information may seem lengthy, it will prove to be invaluable for the proper use of your Framon Code Machine and for later reference.

DESCRIPTION

The theory behind the operation of the Framon Code Machine is very basic - a fixed spindle and cutter and a moveable unit to align a key blank in any given position in relation to that fixed spindle and cutter. This machine will constantly hold a depth tolerance of .0005 of an inch. It is versatile and durable enough to withstand all the abuse normal service allows without any problems.

There are no attachments required except a spacing clip (included) for shoulderless blanks (see section on use). All components for depths from .115 to .400 and spacing up to 1.400 are built into the Framon Code Machine (the average six pin key requires less than one inch of travel). The Framon #2 has a tilting spindle to accommodate both Medeco and Emhart keys. All in all, the Framon Code Machine is unsurpassed for quality, durability, and versatility.

All components mentioned in the next pages are shown on the fold out drawing between pages 42 and 45. One side of the foldout has a machine photo with part numbers and the reverse side has a line drawing with parts description. Please refer to this foldout when reading instructions.

DEPTH AND SPACE BOOK

Depth and space measurements from any source can be used with the Framon Code Machine. It is important to remember that all keys cut on the Framon Code Machine are cut from bow to tip. Some manufacturers print key bittings from tip to bow. These must be reversed when cutting a key on your Framon Code Machine.
Example: An ASSA key bitting of 126964 would be cut with the 4 cut closest to the shoulder.

Discrepancies can also be found in the way cut depths are printed. For example, the Ford Aspire B1001-2200 code series has four depths. Some publishers list depths as 1-.323; 2-.297; 3-.272; 4-.246 while others list the depths as 1-.246; 2-.272; 3-.297;

4-.323. Be very careful to read all information from code books before cutting a key.

A brief description of the terminology used in the depth and space charts follows.

"Mfgr."

Charts are alphabetically listed by manufacturer. For automotive charts the car manufacturer is given. For cylinder charts the lock manufacturer is given. Occasionally, a grouping is listed here such as "British Autos".

"Series"

In most cases, key series are listed on each chart. Series can also list an application when a series is not applicable, such as pin tumbler, short space, small pin, etc.

"Model"

This line does not appear on all charts. It is used on the automotive charts as a guide only. It will list various, but not all vehicle models. This line is occasionally replaced with "For", when a manufacturer is listed instead.

"Blank"

Key blanks listed are usually Ilco blank numbers. When Ilco numbers are not used, (Orig), (Dom), etc. may appear.

"Cuts start at"

This is the distance from the shoulder of the blank to the center of the first cut.

"Spacing" and "Block #"

Spacing is the distance between cuts, center to center. Block # is the spacing block that has the listed spacing on it. Example: the Ford Aspire chart lists .091 as spacing and is found on block #5. Some charts list spacing as a continuous run. For example:

1	2----3	4	5----6	7	8	9---10			
.075	.164	.216	.310	.409	.461	.545	.645	.744	.796

This means that spacing is not the same distance across the blade of the key. Connected (---) spaces such as 2 & 3, 5 & 6, and 9 & 10 are double cuts. Some code books list all 10 cuts across the blade of the key and some list only 7. Bitting showing 7 cuts must be extended. Before cutting the key, extend the bitting to all 10 cuts. Example: code number AK0025 reading 2213441 with

numbers 2 & 3, 5 & 6, and 9 & 10 as double cuts would extend to 2221334411.

When a blank with one shoulder is to be cut on both sides, starting position is given as shoulder (SH) side and plain (PL) side. When plain side is cut, set shoulder against key vise and when shoulder side is cut, use key stop on shoulder side for starting alignment.

"Incr" and "Depths"

Increment is the difference between depths. Most key series have the same increment from one depth to the next although some are variable (Var). This is noted on each chart when necessary.

Increment has the same meaning as drop in older versions of this book. Depths are the measurement from the bottom of the blank to the root of the cut.

"No of Spaces" and "Spaces"

Number of spaces is the number of cuts on the key. The Spaces line lists the spacing positions out progressively. Either method, using the spacing block or the progressive measurements, is acceptable.

"Reed"

This line gives the volume-section-page in the Reed Code Books when available.

Bitting is normally single sided unless specified otherwise. Read all information on each chart. Any notes on the chart are critical to cutting the key properly.

Blank pages are included in the back of the book. When new depth and space information becomes available (trade magazines, mailings, etc.), add this information to your book. Additional blank pages will be furnished upon request.

Much of the information in this book came from locksmiths and other individuals in the locksmith industry, whom we thank profusely. We always appreciate receiving any information you might have on depths and spaces. Compiling an information book demands a great deal of checking and rechecking in order to be accurate. As hard as we try, we do make mistakes. PLEASE - if you find any information you do not agree with, let us know.

SPACE AND DEPTH SETTINGS

Horizontal motion will be referred to as spacing. Spacing is controlled by the spacing crank on the right side of the machine. Vertical motion will be referred to as depth. Depth is controlled by the depth crank on the front of the machine. One revolution of either crank gives .050" movement in either direction. The calibrations on both the depth and space dials are in increments of .001".

These two movements have nothing to do with the actual cutting of the key blank. They are used to set the depth and space settings that are required. The actual cutting is controlled by the feed handle at the right side of the machine. When depth and space has been set, the feed handle is pulled and the entire unit is moved into the cutter and against a fixed stop. When the unit bottoms out against the fixed stop, and the desired cut has been made, release the feed handle. This will allow the entire unit to return to its original position, ready for the next setting.

Use a smooth, steady motion when cutting. Jamming the key against the cutter or using too much pressure will lessen cutter life. A good rule to remember: **GIVE THE CUTTER TIME TO CUT!**

KEY VISE AND INSERTING BLANK

The key vise is double sided, with different widths on each side. The wide side of the vise is .137 from the back to the face. This allows a maximum cut of .140 deep. The wide side will be used for the majority of standard cylinder keys as the deepest cut will rarely be more than .140 deep. The narrow side is .112 from the back to the face. This allows for a maximum cut of .115 deep. The narrow side is used for smaller cabinet and padlock keys. The narrow side is also used for Medeco keys. No adjustments are needed when rotating the vise (wide side to narrow side & vice versa).

Key blanks are always inserted from the right side of the vise (bow to right; tip to left). Use the key stop to align the blank – the top shoulder of the key is stopped against the key stop. Do not use the bottom shoulder for aligning blanks.

All depth measurements are based on the full width of the blank. Do not insert blanks based on the offset or milling of the blank. Keys must always be inserted to the back of the vise. When cutting double sided keys it is recommended that only one side be cut on the code machine. Transfer this key to your duplicator and cut both sides using a second blank.

The brass shim (included) is used with blanks that tip in the vise. If the blank tips down, place the shim below the blank and clamp in the vise. If the blank tips up, place the shim above the blank and clamp in the vise. The shim is made of brass - no damage can be done to the cutter.

Available as an option is a second double sided vise. One side is for Best and Falcon keys. The other side is .220 deep and will accommodate the wider double sided keys being used on some automotive locks. See optional equipment and spare parts list on page 46.

SPACING BLOCK AND SPACING INDICATOR PLATE

One of the most unique features of the Framon Code Machines are the spacing blocks. At the present time there are five spacing blocks furnished with each machine. Spacings on these blocks are: .045, .050, .055, .060, .080, .082, .083, .084, .0845, .085, .086, .087, .088, .090, .091, .092, .093, .094, .095, .096, .097, .098, .0985, .099, .100, .102, .104, .105, .106, .108, .110, .115, .118, .119, .120, .125, .126, .128, .129, .130, .135, .138, .140, .145, .146, .150, .155, .156, .160, .164, .165, .170, .175, .0925 for 84 1/2 Ford, VB1 and VB2, Merc Tr (Mercedes Truck), Ster (Sterling), and Biax (Medeco Biaxial).

These spacings cover most of the spacings needed for today's market. Odd spacings can be cut by progressive reading. As new spacings are needed, new spacing blocks will become available to the locksmith.

Spacing blocks are made with a spring loaded detent and can be installed and removed in a matter of seconds. We also have a special set of spacing blocks (3) for flat keys and safety deposit box keys - see optional equipment & spare parts list on page 46. Special blocks for special needs can be made to order.

The spacing block is enclosed in a "U" shaped holder and is moved by turning the spacing block adjusting screw. This horizontal movement is necessary because of the starting position of different keys (starting position is the distance from the shoulder to center of the first cut).

NOTE: The spacing block remains stationary once it is set to the starting cut and the spacing block indicator moves horizontally with the key blank and key vise.

The indicator plate is used for various measurements. Keep in mind, the indicator always moves horizontally with the key blank. Graduations on the indicator plate are .100 apart. The pointer at the left end of the plate is used to indicate spacing positions.

As an example, when cutting a Schlage key with a starting cut of .231, the spacing crank is turned counterclockwise until the key vise block stops against the stop screw. A reading of somewhere between "0" and .040 will be read on the spacing dial. Rotate the spacing crank clockwise to "0". This is the proper starting position for all cylinder keys. Now rotate the spacing crank four full turns clockwise (for a reading of .200); turn the spacing crank clockwise an additional .031 (for a reading of .231).

Now rotate the spacing block until the .156 spacing side is up (Schlage pin tumbler spacing). To align the spacing block to the spacing plate pointer, turn the spacing screw until the first mark at the left end of the spacing block is in line with the pointer of the spacing plate. From this point on, all spacing will be read directly from the spacing block. From this setting any amount of Schlage pin tumbler keys can be cut without resetting spacing.

To recap:

1. Set starting cut position,
2. Rotate spacing block to required spacing,
3. Align first mark on left end of spacing block to pointer on spacing plate.

Spacing set-up is now complete.

DEPTH PLATE AND DEPTH PLATE POINTER

The depth plate is fastened to the main "U" casting at the left side of the depth crank and dial. This plate is graduated in increments of .050, ranging from .100 to .350. This plate, in conjunction with the depth plate pointer, is used as a reference point only. If pointer is positioned between .250 and .300 and the depth dial is set at .025, the depth is set at .275 (.250 + .025). All single thousandth depth measurements are read directly from the depth dial. This is what gives the Framon Code Machine its extreme cutting accuracy.

TO CUT A CYLINDER KEY

To cut a Schlage key with a combination of 25751, the following procedure would be used:

Insert blank

Insert blank in vise (wide side of vise). Check the top shoulder with the key stop.

Space Setting

Turn the spacing crank counterclockwise until the key vise carriage stops against the stop screw. At this point the reading on the spacing dial will be somewhere between "0" and .040. Rotate the spacing dial clockwise to a "0" reading. At this point the right side of the vise and the shoulder of the blank are both aligned with the center of the flat on the cutter. This is the "0" starting point for all cylinder keys.

The next step is to set the starting position (distance from shoulder to center of the first cut). The starting cut for Schlage is .231 from the shoulder. Turn the spacing crank four full turns clockwise plus an additional .031 (.200 + .031 = .231). Remember, each turn of either dial gives .050 movement. The starting cut position is now set.

The next step is to align the spacing block. The spacing for Schlage is .156. Rotate the spacing block so .156 spacing is in the top position. Rotate the adjusting screw until the first mark at the left side of the .156 spacing is aligned with the mark on the pointer of the spacing block indicator plate. The machine is now set at .156 spacing. **The adjusting screw is used only to align the spacing block. Once the spacing block is set, do not use the adjusting screw until you setup another key series.**

Depth Setting

The #2 depth for Schlage is .305. To set this depth, rotate the depth crank until the depth plate pointer is between .300 and .350 on the depth plate. Rotate the depth crank counterclockwise to .005. The depth is now set at .305 (.300 + .005 = .305).

Cutting the Key

To make the cut, grasp the feed handle. A controlled cut is made by grasping the feed handle with fingers and resting thumb on the front of the base. Pull the feed handle toward the front of the machine until the carriage comes to a complete stop. The #2 cut has now been completed. Slowly release pressure on the feed handle and the entire unit will return to its' original position.

To make the second cut (#5 depth), rotate the spacing crank clockwise to the second mark on the spacing block. To set the depth to a #5 cut (.260), turn the depth dial until the pointer is between .250 and .300 and the dial is reading .010. Pull the feed handle to a complete stop. The #5 depth has now been cut in the second position.

At this time you should note that there is a #5 cut in the fourth position on this key. Rather than change the depth setting, skip the third cut and move the key to fourth position (pointer on the spacing block indicator plate aligned with the fourth mark on the spacing block). Make a #5 cut here by pulling the feed handle to a complete stop.

Now return to the third position and set the depth dial at .230 for a #7 cut (depth pointer between .200 and .250 and dial reading .030). After this cut has been made, skip the fourth cut (already made) and move the key to the fifth position. Set the depth to .320 and make the last cut.

In the above procedure, you can make any cut in any position at any time. This is not necessary, but it is time saving. Try to develop the habit of making space settings before making depth settings. This will prevent the possibility of making two cuts in the same position.

Some keys, such as Kwikset, require you to widen the cuts. This can be done by holding the unit against the stop and rotating the spacing crank in both directions.

To recap:

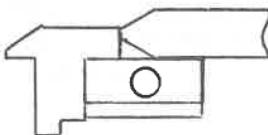
1. Insert blank,
2. Set starting cut position,
3. Rotate spacing block to required spacing,
4. Align first mark on left end of spacing block to pointer on spacing plate,
5. Set depth measurement,
6. Pull handle to make cut,
7. Move carriage to next position,
8. Set depth measurement,
9. Pull handle to make cut.

To finish cutting the key, repeat steps 7 thru 9. Once this procedure is learned, it should take from 25 to 35 seconds to cut a five pin key.

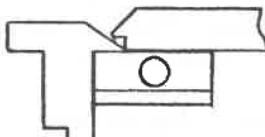
HOW TO USE THE SPACING CLIP

The spacing clip is used to align shoulderless keys. The following drawings show proper placement of the spacing clip.

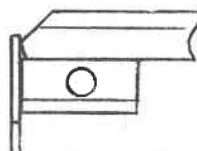
1. Ford 5 Pin Spacing:



2. Best Spacing:



3. Flat Spacing:



CUTTING MEDECO AND EMHART KEYS

When cutting Medeco or Emhart keys, angles and depths must be decoded; see corresponding charts for further information. When decoding these keys with the dial calipers included with your machine, depths will not read accurately. The dial calipers do not reach the root of the cut. In order to save cutting time, do not move the tilting spindle more than twice while cutting a key. If the tilting spindle is in the center position, cut all center cuts; move the tilting spindle to cut all left cuts; and then move to cut all right cuts.

PROCEDURE FOR USING TILTING SPINDLE

1. Release the clamping handle (upright handle). Push to right.
2. Grasp the tilting handle (right side handle).
3. Pull out the aligning pin (knob on rear of spindle).
4. Tilt to desired angle.
5. Release the aligning pin.
6. Slowly tilt the spindle until the aligning pin engages.
7. Tighten the clamping handle (push to left).

CUTTING SAFETY DEPOSIT BOX AND FLAT KEYS

(Using progressive measurements)

By aligning any mark on the spacing block with the "0" on either end of the spacing plate, you can read progressive measurements any time needed. This type of progressive reading will be used with some flat, safety deposit box, and import keys.

When cutting flat and safety deposit box keys you must use spacing measurements from the center of the slotter and the tip of the key regardless of slotter thickness. When using progressive measurements, all measurements read on the spacing dial are read in reverse.

To cut an S & G #4440 with a combination of 624135 the following procedure would be used:

1. Remove the cylinder cutter. Put on the FFS1045 slotter.
2. Rotate the spacing crank clockwise until most of the key vise is to the right of the slotter (this position will depend on the length of the blank being used). Set the spacing dial at .0225 (half the thickness of the .045 slotter).
3. Pull the feed handle rearward and turn the depth crank until the vise is close to the slotter. Holding this position, insert the blank in the right side of the vise, slide the tip of the blank against the right side of the slotter, clamp the vise, and release the handle.
4. Rotate the spacing dial counterclockwise to "0" so the tip of the blank is aligned with the center of the slotter. This is "0" start for all flat keys.
5. To set the spacing, rotate the spacing block until any mark on the right end of the spacing block is aligned with the pointer of the spacing plate.

The first spacing measurement for S & G #4440 is .170 from the tip of the blank. Rotate the spacing crank counterclockwise to .170, set the depth to .200 (#6 cut), and make the cut. To widen the cut to .065, release the feed handle, rotate the spacing crank to .160 and make another cut. Release the feed handle and rotate the spacing crank to .180 and make another cut. This will give you a .065 wide cut (.045 + .010 + .010 = .065)

The mark on the right end of the spacing block is now between the #1 and #2 mark, but closest to the #2 mark on the spacing block indicator. Using these two marks in conjunction with the reading on the spacing dial, progressive measurements can be read at any time.

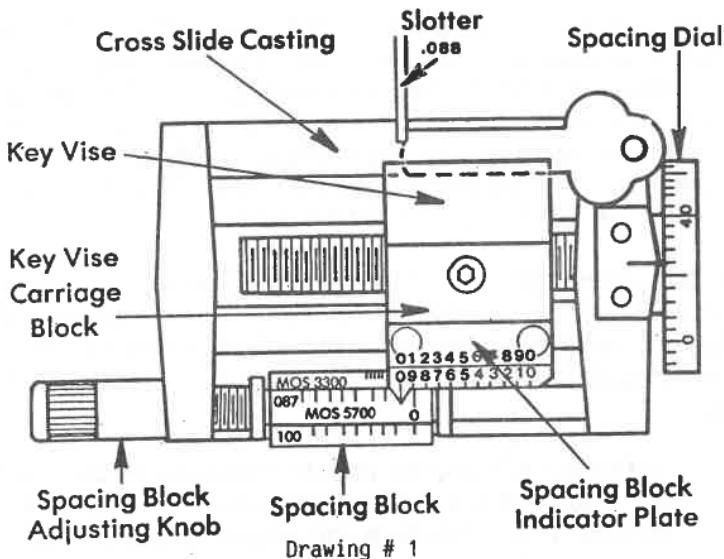
5. Rotate the spacing dial counterclockwise to .222, set the depth to .280 (#2 depth), and make the second cut. Continue this procedure until all six cuts are made.

A set of safety deposit box spacing blocks (3) are available for those doing a great deal of safety deposit box key work. These blocks are set up for 29 different lock series and are much faster than using progressive measurements. See the Optional Equipment and Spare Parts list.

Flat locker key cutting is the same as cutting safety deposit box keys, with the exception of spacing. Spacing for flat keys is the same as the width of the cuts (eg: Yale 9M-N9M, cuts are .050 wide). See flat key charts.

NOTE: Step one will vary according to the width of the slotter used. The setting on the spacing dial will always be 1/2 the thickness of the slotter.

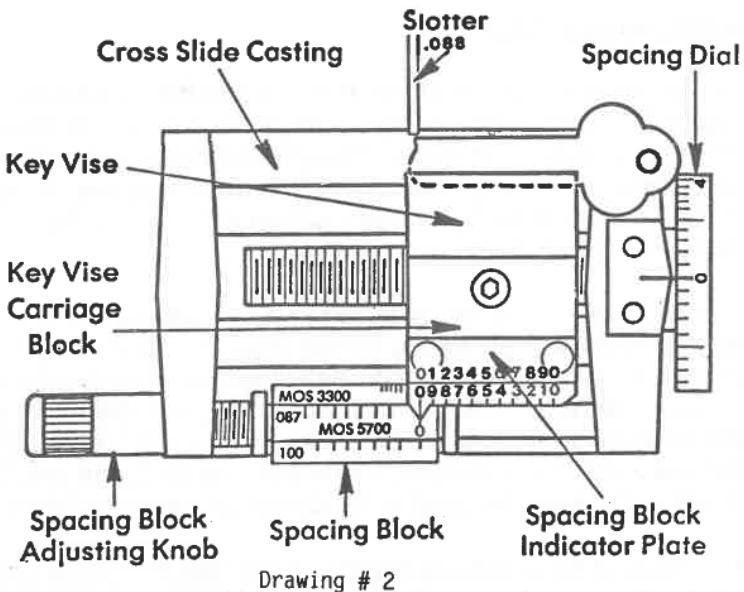
Available are carbide cutters in widths of .035, .045, .055, .066, .088 and .103 (for widths of .100, use .045 and .055) - see Optional Equipment and Spare Parts list.



Safety deposit box keys – cutting instructions using safety deposit box spacing blocks.

Example: Mosler 5700 using .088 slotter.

1. Rotate the spacing crank clockwise until the vise carriage block is at the right hand side of the cross slide casting.
2. Set the spacing dial at .044 (half the thickness of the slotter).
3. Pull the feed handle to move the key vise close to the slotter, slide the blank into the vise with the tip of the blank against the right side of the slotter – tighten the vise and release the handle (see drawing #1).
4. Rotate the spacing crank counterclockwise to the "0" reading on the spacing dial.
5. Rotate the spacing block adjusting knob until the "0" on the Mosler spacing block is aligned with the "0" on the pointer of the spacing block indicator plate.



Your set up should now look like Drawing #2. All "0" marks are aligned and the tip of the blank is at the center of the slotter. Turn the spacing crank counterclockwise so the pointer is on the first mark left of "0" on the spacing block. This is the first cut from the tip of the blank. Set the depth needed. Make the cut and move to the next mark. Continue this procedure until all the cuts are made.

This will be the same for all keys except that the first spacing dial setting will vary according to the slotter thickness.

Throat cuts should be made from a sample key on any duplicator.

Remember, all starting positions on the spacing dial are set at half the thickness of the slotter used (see Step #2).

All keys are cut from the tip to the bow and lateral movement across the slotter is from right to left.

A NOTE ON CUTTERS

When the spindle is in the center position and the FC8445 cutter is on the spindle, all standard cylinder keys can be cut. All Framon cutters are precision ground so there is no need to readjust depth or spacing when changing cutters. All Framon cutters are etched on one side and are to be put on the machine with the etching to the outside (away from the hub).

The .045 slotter furnished with the Framon Code Machine is adequate to cover most needs for flat keys. However, if business warrants more equipment, we do make high-speed steel slotters in increments of .020, .030, .045, .055, .066, and .088. We also make solid carbide cutters in widths of .035, .045, .055, .066, .088 and .103 (for cutters of .100 width, use .045 and .055). Any of these cutters can be ganged for almost any width required.

Never cut sideways with any slotter - especially carbide slotters!
Always use proper eye protection when cutting keys.

Cutter wear is one thing we at Framon Mfg. Co. cannot control. If good cutting procedures are used, you can expect a long life from your Framon cutters (15,000 to 20,000 keys). **GOOD CUTTING PRACTICE PAYS!**

LUBRICATION

The main carriage is mounted on two slides attached to the base. These slides should be lubricated occasionally to insure proper operation. Use fine oil sparingly. Do not use heavy machine oil or motor oil as this will tend to gum up and hinder proper operation. Use the same lubrication on both sets of rods on the main carriage and on the key block carriage rods. No lubrication is needed on the depth shaft, spacing shaft, or spindle shaft as all these parts are mounted on sealed bearings. Wipe off all excess oil.

ADJUSTMENTS

If, for any reason your machine becomes out of adjustment, the following procedure will allow you to readjust the machine.

Depth Adjustment

Insert any key blank in the vise, turn the spacing dial counterclockwise until the center of the key vise is approximately in

line with the center of the cutter. Turn the depth handle clockwise until any reading is obtained on the depth plate (we use a depth setting of .250 to check depth adjustment). Pull the feed handle and make a cut. Release the feed handle. Remove the key and measure the cut with a dial caliper. Read the depth on the depth plate and the depth dial. If an adjustment is required, hold the depth crank in set position, loosen the set screw on the depth dial, rotate the dial to obtain the same reading on the dial caliper, and tighten the set screw.

Spacing Adjustment

ALL SPACING ADJUSTMENTS MUST BE MADE WITH THE FC8445 CUTTER ON THE SPINDLE. The center of the flat on the cutter to the right hand side of the cutter is .106. To readjust the machine, turn the spacing crank to .106. Pull the feed handle so the key vise is as close to the cutter as possible. NOTE: Clamp the vise without a key in the vise. Set a straight edge against the right side of the vise - a 6" steel rule is ideal for a straight edge. Slide the straight edge forward to the side of the cutter. Both must be in line. If the key vise is not in line, rotate the spacing crank until the straight edge is aligned to both the vise and the side of the cutter. Loosen the set screw on the spacing dial and rotate the dial until a reading of .006 is obtained and tighten the set screw.

Tension Adjustment for Depth and Space Cranks

Directly in front of the vise in the vise carriage block is a hex socket head set screw. This set screw is used to adjust the tension on the spacing screw (this is a nylon tipped set screw). Some like a loose drag on the crank and others prefer a snug drag. This screw allows you a choice. On the left side of the cross slide casting is a similar screw used to adjust tension on the depth screw. You must have some tension to prevent possible movement from vibration while cutting.

WARRANTY

The warranty on the Framon Code Machine is in effect for a period of one year from the date of purchase. Framon Mfg. Co. will replace all or any part of any machine proven to be defective as to material or workmanship. If any machine is returned to us in the first year, Framon Mfg. will absorb all cost for repairs, including freight. After one year, Framon Mfg. will charge the customer for parts, freight and a flat service rate for labor. Machines will be repaired and shipped within two days of receipt. This warranty is valid to the original purchaser only. Cutters are not covered by this warranty. Framon cutters are among the finest cutters made today, but we have no control over their use.

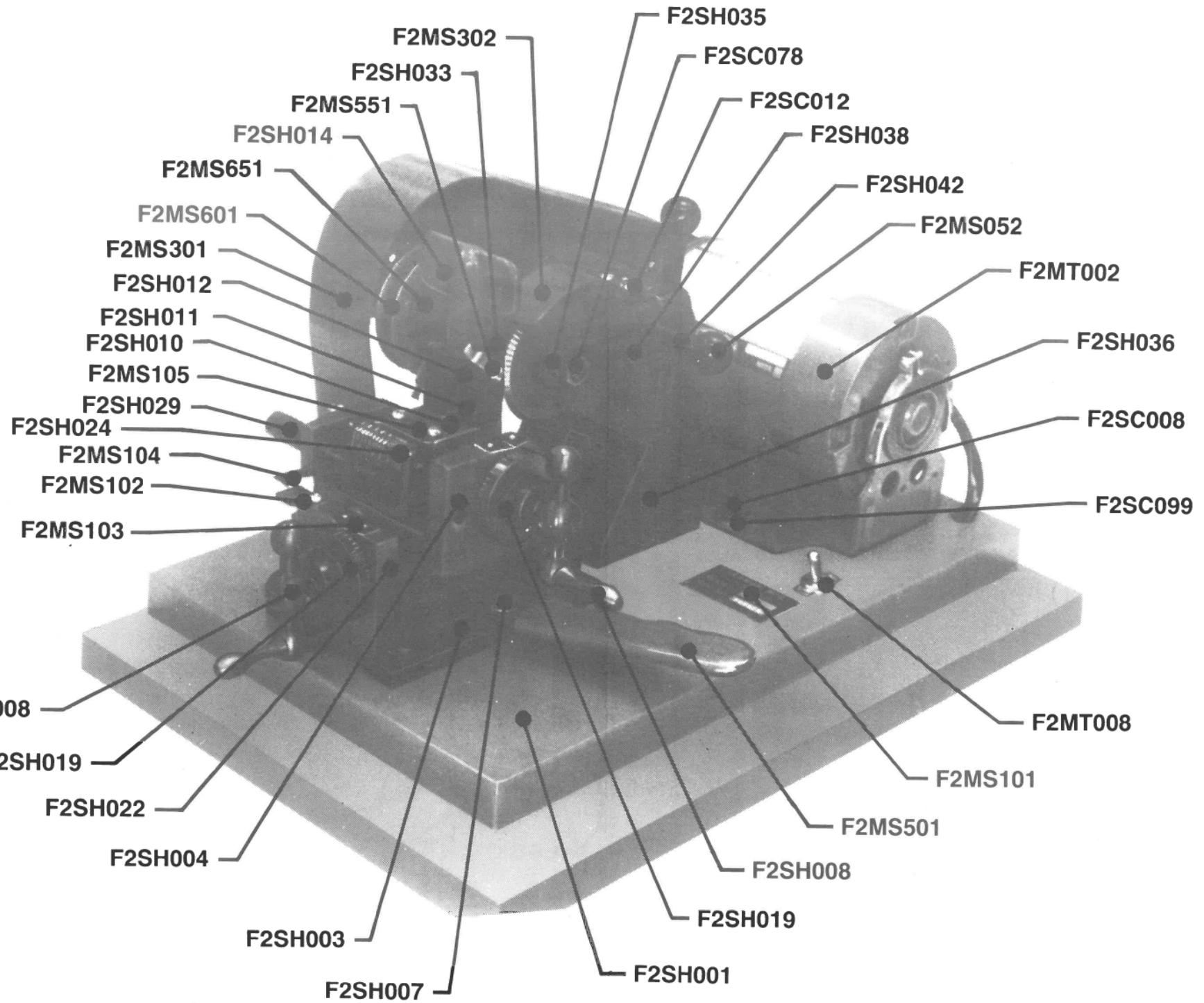
Warranty Claims Procedure

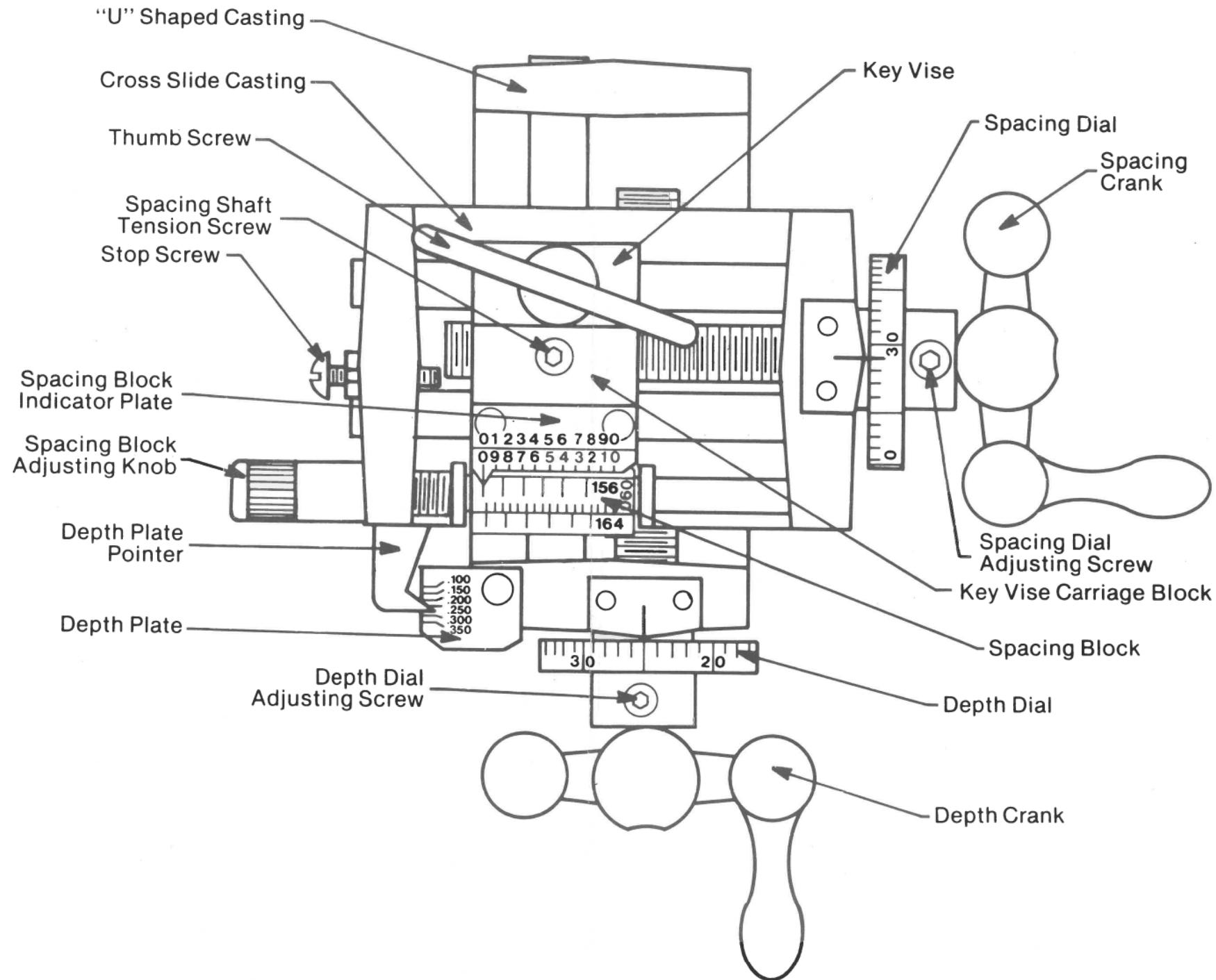
The purchaser must inform Framon Mfg. Co. by telephone or letter and obtain permission from Framon before returning any machine. Framon will not accept any machine returned without prior permission. Machines must not be shipped in styrofoam popcorn. Any correspondence pertaining to any problem with a Framon Code Machine should include date of purchase, from whom purchased, and serial number of the machine.

PARTS LIST

F2BA001	Crank Bearings
F2BA002	Feed Handle Bearing
F2BA003	Spindle Bearing
F2MS001	5/8 x 2 Compression Spring
F2MS002	3/8 x 2 Extension Spring
F2MS003	3/16 x 3/4 Comp Spring
F2MS052	3/4 Knobs
F2MS053	Detent Knob
F2MS101	Name Plate Sticker
F2MS102	Depth Plate
F2MS103	Dial Indicators
F2MS104	Depth Plate Indicator
F2MS105	Spacing Block Indicator
F2MS301	Pulley Guard
F2MS302	#2 Cutter Guard
F2MS351	Depth & Space Book
F2MS402	1/8 Allen Wrench
F2MS404	Shaft Collar
F2MS501	Feed Handle Cover
F2MS551	Key Stop
F2MS552	Spacing Clip
F2MS601	"O" Ring Belt
F2MS651	250 x 1/2 Pulley
F2MS701	Wavy Washer
F2MT001	Cord Clip
F2MT002	115VAC Motor
F2MT003	3 Wire Cord
F2MT004	250 x 3/8 Pulley
F2MT005	Stakon Connector
F2MT006	Wire Nuts 6X683
F2MT007	Wire Nuts 6X684
F2MT008	Toggle Switch & Plate
F2SC001	8/32 x 7/8 HSCP Set
F2SC003	5/16-18 x 2 HSCP
F2SC005	1/4-28 x 1/2 SHCP Set
F2SC006	1/4-20 x 1/4 SHCP Set
F2SC007	1/4-28 x 3/4 SHCS
F2SC008	1/4-28 x 1/2 SHCS
F2SC009	1/4-28 x 1 SHCS
F2SC010	8/32 x 3/16 RHMS
F2SC011	6/32 x 1/4 PHMS PH
F2SC012	8/32 x 1/2 PHMS
F2SC013	8/32 x 3/8 Truss HDMS
F2SC015	1/4-20 x 3/8 Set Cup

F2SC076	8/32 Hex Nut
F2SC077	1/4-28 Hex Nut
F2SC078	3/8 - 24 Hex Nut
F2SC099	1/4 Flat Washer
F2SH001	Aluminum Base
F2SH003	Hold Down Slides
F2SH004	Cross Slide Casting
F2SH006	Feed Handle Spacer
F2SH007	Feed Handle
F2SH008	Depth & Space Crank
F2SH010	Key Vise Block
F2SH011	Key Vise Bottom
F2SH012	Key Vise Top
F2SH014	Vise Clamp Nut
F2SH016	3/8 Carriage Rod
F2SH017	7/16 Carriage Rod
F2SH018	Depth & Space Screw
F2SH019	Depth & Space Dials
F2SH021	Stop Washer
F2SH022	Main "U" Casting
F2SH024	Spacing Blocks (4)
F2SH027	Spacing Block Holder
F2SH029	Spacing Block Adj Screw
F2SH033	Spindle Shaft
F2SH035	Spacing Washer
F2SH036	Tilting Spindle Base
F2SH038	Tilting Spindle Block
F2SH040	Shoulder Bolt
F2SH042	3/8 Rods
F2SH043	Detent Pin
F3MT001	2 Wire Cord (12VDC Motor)
F3MT002	12VDC Motor
F1MS301	#1 Cutter Guard
F1MS302	#1 Pulley Guard
F1SH002	#1 Spindle Casting





MILLING CUTTER LIST

FC7863	78° angle, .063 flat. Sargent special.
FC8445	84° angle, .045 flat. All purpose for cylinder, auto, & cabinet keys.
FC8612	86° angle, .012 flat. Medeco special.
FC8735	87° angle, .035 flat. Import auto.
FC9032	90° angle, .032 flat. Assa.
FC9035	90° angle, .035 flat. Schlage special.
FC9045	90° angle, .045 flat. General use.
FC9054	90° angle, .054 flat. Corbin-Russwin, Best, etc.
FC9063	90° angle, .063 flat. Mogul.
FC9070	90° angle, .070 radius. Corbin/Russwin Special.
FC9090	90° angle, .090 flat. Weiser, Weslock, Kwikset.
FC10045	100°angle, .045 flat. General wide angle.
FC11012	110°angle, .012 flat. Zeiss-Ikon special.

HIGH SPEED STEEL SLOTTERS

FFS1020	.020 width. Filler.
FFS1030	.030 width. Cabinet, mailbox.
FFS1045	.045 width. Mosler.
FFS1055	.055 width. Yale, S & G, Victor.
FFS1066	.066 width. Diebold, Mosler, York, Lefebure.
FFS1088	.088 width. Mosler, Lefebure, S&G.

SOLID CARBIDE SLOTTERS

DBC1035	.035 width. Small Letterbox
DBC1045	.045 width. Auth, Couch, Eagle, Mosler.
DBC1055	.055 width. Diebold, S&G, Yale, Victor, Locker locks.
DBC1066	.066 width. HHM, Diebold, Security, S&G, York.
DBC1088	.088 width. Mosler, Lefebure.
DBC1103	.103 width. Southern Steel.

All Framon cutters are interchangeable without any adjustment of space or depth. All slotters are 2 3/8 O.D. x 3/8 bore.

OPTIONAL EQUIPMENT & SPARE PARTS

F2MS350*	D & S Book
F2MS451*	Dial Caliper
F2MS551*	Key Stop
F2MS552*	Spacing Clip
F2MS601*	Belt
F2SH050	Double Sided Vise (wide auto and Best)
F2SH070	Tibbe Attachment
FSB1001*	Spacing Block Set (includes 5 blocks & 1 F2MS552 Spacing Clip)
F3MT002	12v Motor
F2MSDB1	Safety Deposit Box Spacing Blocks (3)
FMSDBC2	Safety Deposit Box Spacing Blocks (3) & FFS1055, FFS1066 & FFS1088 HSS Slotters.
FMSDBC3	Safety Deposit Box Spacing Blocks (3) & DBC1055, DBC1066 & DBC1088 Carbide Slotters.
LKMS410*	Brass Shim

* Included with machine at time of purchase.

Mfgr: Abus
 Series: 36/55 & 27/50 Pads
 Blank: 36KB (Abus) Depths
 Cuts Start at: .157 1-.254
 Spacing: .138 2-.234
 Block #: 2 3-.214
 Incr: .197 4-.195
 No of Spaces: 5 5-.175
 Spaces: .157, .295, .433, .571, .709 6-.155

Mfgr: Abus
 Series: No 41 Series, 24St/70 Pads, etc.
 Blank: 24/41 (Abus) Depths
 Cuts Start at: .157 1-.254
 Spacing: .122 2-.228
 Block #: N/A 3-.203
 Incr: .025 4-.177
 No of Spaces: 4 5-.151
 Spaces: .157, .279, .401, .524

Mfgr: Abus
 Series: 42, 24 Pads, etc.
 Blanks: 42HB (Abus) Depths
 Cuts Start at: .145 1-.260
 Spacing: .140 2-.235
 Block #: 1 3-.210
 Incr: .025 4-.185

Mfgr: Abus
 Series: 55/25 Padlocks
 Blank: 55/25 (Abus) Depths
 Cuts Start at: .100 1-.180
 Spacing: .125 2-.150
 Block #: 1 3-.120
 Incr: .030
 No of Spaces: 3
 Spaces: .100, .225, .325
 If deep cut is found in first position, cut a #3 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Abus**Series: 55/30 Padlocks**

Blank:	55/30 (Abus)	Depths
Cuts Start at:	.140	1-.250
Spacing:	.135	2-.230
Block #:	2	3-.210
Incr:	.020	4-.190
No of Spaces:	3	5-.170
Spaces:	.140, .275, .410	6-.150

Mfgr: Abus**Series: 55/40, 55/45 Padlocks**

Blank:	55/40, 55/45 (Abus)	Depths
Cuts Start at:	.130	1-.270
Spacing:	.135	2-.250
Block #:	2	3-.230
Incr:	.020	4-.210
No of Spaces:	4	5-.190
Spaces:	.130, .265, .400, .535	6-.170

Mfgr: Abus**Series: 55/50 Padlocks**

Blank:	55/50 (Abus)	Depths
Cuts Start at:	.145	1-.270
Spacing:	.125	2-.250
Block #:	1	3-.230
Incr:	.025	4-.210
No of Spaces:	5	5-.190
Spaces:	.145, .270, .395 .520, .645	6-.170

Mfgr: Acura**Series: 3001-4481****Models: Integra, Legend**

Blanks:	X183, X189 (V), X208, X209 (V)	Depths
Cuts Start at:	.098	1-.213
Spacing:	.0985	2-.244
Block #:	5	3-.276
Incr:	.0315	
No of Spaces:	8	
Spaces:	.098, .197, .295, .394, .492, .591, .689, .787	
Reed:	07-03-248. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #3 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Acura
 Series: 5001-8442
 Models: Integra, NSX, Vigor Depths
 Blanks: X193, X194 (V), X204, X205 (V) 1-.307
 Cuts Start at: .108 2-.294
 Spacing: .0845 3-.282
 Block #: 4 4-.269
 Incr: .0126 5-.257
 No of Spaces: 8 6-.244
 Spaces: .108, .193, .278, .362, .447, .531, .616, .701
 Reed: 09-02-211. Bitting is double, same both sides.

Mfgr: Age
 Series: 1111-4444; 2711KB
 Blanks: AG1, AG2, AG3 Depths
 Cuts Start at: .146 1-.240
 Spacing: .138 2-.220
 Block #: 2 3-.200
 Incr: .018 4-.180
 No of Spaces: 4
 Spaces: .146, .284, .422, .560
 Reed: 11-05-051

Mfgr: Age
 Series: 2712
 Blank: AG2 Depths
 Cuts Start at: .120 1-.235
 Spacing: .100 2-.230
 Block #: 3 3-.210
 Incr: .020 4-.190
 No of Spaces: 4
 Spaces: .120, .220, .320, .420

Mfgr: Age
 Series: Misc.
 Blanks: AG2, etc. Depths
 Cuts Start at: .135 1-.230
 Spacing: .135 2-.210
 Block #: 2 3-.190
 Incr: .020 4-.170
 No of Spaces: 4
 Spaces: .135, .270, .405, .540

Mfgr: Alfa Romeo**Series: A, B, C & D1-125**

Blank:	F38, R63ST, AL3, 61E, F41, R61ST	Depths
Cuts Start at:	.165	1-.265
Spacing:	.100	3-.240
Block #:	3	5-.215
Incr:	.025	
No of Spaces:	5	
Spaces:	.165, .265, .365, .465, .565	
Reed:	05-02-154. Bitting is double, same both sides.	

Mfgr: Alfa Romeo**Series: A0501-3278; A+5 Digits (0-9-8-4-6)****Models: Spider, Alfetta**

Blank:	X109	Depths
Cuts Start at:	.146	0-.272
Spacing:	.104	9-.260
Block #:	4	8-.240
Incr:	.020	4-.220
No of Spaces:	5	6-.200
Spaces:	.146, .250, .354, .459, .563	
Reed:	05-02-008 & 021.	

Mfgr: Alfa Romeo**Series: AL0001-1274****Model: Milano**

Blank:	X166	Depths
Cuts Start at:	.098	1-.276
Spacing:	.087	2-.252
Block #:	4	3-.228
Incr:	.0237	4-.205

No of Spaces: 9**Spaces: .098, .185, .272, .358, .445, .531, .618, .705, .791****Reed: 09-02-001. Bitting is double, same both sides.****If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.**

Mfgr: Alfa Romeo
 Series: D & S114-399; D & S614-899; 115-399; 615-899
 Blanks: 61G, R61G, etc Depths
 Cuts Start at: .450 1-.275
 Spacing: .100 2-.250
 Block #: 3 3-.230
 Incr: Var.
 No of Spaces: 5
 Spaces: .450, .550, .650, .750, .850
 Reed: 03-05-166, 05-02-022. Bitting is double, same both sides.

Mfgr: Alfa Romeo
 Series: E, F, G & H1-78
 Blanks: R63SP, 63SP, F91G, F91H Depths
 Cuts Start at: .390 1-.265
 Spacing: .110 2-.240
 Block #: 3 3-.215
 Incr: .025
 No of Spaces: 4
 Spaces: .390, .500, .610, .720
 Reed: 05-02-156

Mfgr: Alfa Romeo
 Series: G2001-3000
 Blanks: X167 Depths
 Cuts Start at: .220 1-.299
 Spacing: .110 2-.272
 Block #: 3 3-.244
 Incr: .0275 4-.217
 No of Spaces: 6
 Spaces: .220, .330, .440, .550, .660, .770
 Reed: 10-02-001. Bitting is double, same both sides.

Mfgr: Alfa Romeo
 Series: K, R, S & Z0501-3278
 Blank: X152 Depths
 Cuts Start at: .146 1-.291
 Spacing: .104 9-.272
 Block #: 4 8-.252
 Incr: .0196 4-.232
 No of Spaces: 5 6-.213
 Spaces: .146, .250, .354, .458, .562
 Reed: 08-02-001. Bitting is double, same both sides.

Mfgr: Alfa Romeo

Series: K3301-4886; K7001-8092

Models: GTV, Spider, 164

Blanks:	X152, SP25A-P	Depths
Cuts Start at:	.146	0-.291
Spacing:	.104	9-.272
Block #:	4	8-.252
Incr:	.0196	4-.232
No of Spaces:	6	6-.213

Spaces: .146, .250, .354, .458, .562, .666

Reed: 07-03-001, 08-02-044. Bitting is double, same both sides.

Mfgr: Alfa Romeo

Series: X3301-4886; 3301-4886

Blank:	X109	Depths
Cuts Start at:	.146	0-.272
Spacing:	.104	9-.260
Block #:	4	8-.240
Incr:	.020	4-.220
No of Spaces:	6	6-.200

Spaces: .146, .250, .354, .459, .563, .667

Reed: 07-03-001.

Mfgr: Alfa Romeo

Series: 1100-1789; 3100-3789; 5100-5789

Model: Alfetta

Blanks:	X64, X79, X78	Depths
Cuts Start at:	.110	1-.236
Spacing:	.106	2-.204
Block #:	4	3-.173
Incr:	.0315	
No of Spaces:	6	

Spaces: .110, .216, .322, .428, .534, .640

Reed: 05-02-001.

Mfgr: Alfa Romeo

Series: 2100-2309; 4100-4309; 6100-6309; 8100-8309

Model: Spider

Blanks:	F91C2, F91C, F91CR, F91C8	Depths
Cuts Start at:	.221	1-.268
Spacing:	.0985	2-.244
Block #:	5	3-.220
Incr:	.025	
No of Spaces:	5	

Spaces: .221, .320, .418, .517, .615

Reed: 05-02-006. Bitting is double, same both sides.

Mfgr: Almet
 Series: Standard
 Blank: 1179A
 Cuts Start at: .250 Depths
 Spacing: .156 0-.320
 Block #: 1 1-.300
 Incr: .020 2-.280
 No of Spaces: 6 3-.260
 Spaces: .250, .406, .562, .718, .874, 1.030 4-.240
 Widen cuts to .065. 5-.220
 6-.200

Mfgr: Almont Rekeyable Padlocks
 Use depth and space charts for key series used;
 Kwikset, Schlage, Weiser, etc.

Mfgr: American
 Series: Padlocks
 Blanks: 1045, A1045, 1046, 1046A Depths
 Cuts Start at: .156 1-.284
 Spacing: .125 2-.268
 Block #: 1 3-.253
 Incr: .0155 4-.237
 No of Spaces: 5 or 6 5-.222
 Spaces: .156, .281, .406, .531, .656, .781 6-.206
 7-.191
 8-.175

Mfgr: American
 Series: P4 & P6 Pads
 Blank: 1046 Depths
 Cuts Start at: .155 1-.260
 Spacing: .130 2-.235
 Block #: 2 3-.210
 Incr: .025 4-.185
 5-.165

Mfgr: American Device (New)
 Series: AD501-2500; AM001-1000 Depths
 Blanks: 1003M, 1503 0-.290
 Cuts Start at: .191 1-.272
 Spacing: .125 2-.254
 Block #: 1 3-.236
 Incr: .018 4-.218
 No of Spaces: 5 5-.200
 Spaces: .191, .316, .441, .566, .691 6-.182

Mfgr: American Device (Old)

Series: AD501-2500; AM001-1000	Depths
Blanks: 1003M, 1503	0-.282
Cuts Start at: .191	1-.264
Spacing: .125	2-.246
Block #: 1	3-.228
Incr: .018	4-.210
No of Spaces: 5	5-.192
Spaces: .191, .316, .441, .566, .691	6-.174

Mfgr: American Motors (AMC)**Series: K & L1-1000****Models: Concord, Gremlin, Javelin, etc.**

Blanks: 1970AM, S1970AM	Depths
Cuts Start at: .150	1-.250
Spacing: .093	2-.225
Block #: 1	3-.200
Incr: .025	4-.175
No of Spaces: 5	5-.150
Spaces: .150, .243, .336, .429, .522	
Reed: 01-02-211	

Mfgr: American Motors (AMC)**Series: N1501-1700; NA1-200, etc.**

Blanks: 1098NR, H1098NR,etc.	Depths
Cuts Start at: .150	1-.250
Spacing: .093	2-.235
Block #: 1	3-.220
Incr: .015	4-.205
No of Spaces: 5	5-.190
Spaces: .150, .243, .336, .429, .522	
Reed: 01-02-039, 123.	

Mfgr: Amerock**Series: All**

Blank: 1179A	Depths
Cuts Start at: .265	0-.312
Spacing: .155	1-.298
Block #: 2	2-.284
Incr: .014	3-.270
No of Spaces: 6	4-.256
Spaces: .265, .420, .575, .730, .885, 1.040	5-.242
	6-.228
	7-.214
	8-.200
	9-.186

Mfgr: Arco Rifkin		Depths
Series: Master Keys		0-.320
Blanks: 1131 & 1131R		1-.302
Cuts Start at: .187		2-.284
Spacing: .125		3-.266
Block #: 1		4-.248
Incr: .018		5-.230
See 3/91 Locksmith Ledger for master key combinations.		6-.212
		7-.194
		8-.176
		9-.158

Mfgr: Arco Rifkin Bank Bags		Depths
Series: 0001AR - 1200AR		0-.250
Blanks: See Code Books		1-.225
Cuts Start at: .125		2-.200
Spacing: .095		3-.175
Block #: 1		4-.150
Incr: .025		
No of Spaces: 5		
Spaces: .125, .220, .315, .410, .505		
Reed: 10-04-192.		

Mfgr: Arco Rifkin Bank Bags		Depths
Series: RP1001-3400		1-.250
Blank: 0997E		2-.232
Cuts Start at: .146		3-.214
Spacing: .140		4-.196
Block #: 1		5-.178
Incr: .018		6-.160
No of Spaces: 6		7-.142
Spaces: .146, .286, .426, .566, .706, .846		
Reed: 10-04-199		

Mfgr: Arco Rifkin Bank Bags		Depths
Series: YY1001-4000; HG, LA, LB, LF, LL, OC, OD, PF, SB, SD, SE, SF, SG, SL, SM, TC, TD, TG, TL, TM, etc 3001-6000		
Blanks: 1130, 1130R, 1131, 1131R		
Cuts Start at: .187		1-.320
Spacing: .125		2-.284
Block #: 1		3-.248
Incr: .036		4-.212
No of Spaces: 7		5-.176
Spaces: .187, .312, .437, .562, .687, .812, .937		
Reed: 06-04-001		

Mfgr: Arrow	Depths
Series: Heavy Duty	0-.312
Blanks: 1179, 1179A	1-.298
Cuts Start at: .264	2-.284
Spacing: .155	3-.270
Block #: 2	4-.256
Incr: .014	5-.242
No of Spaces: 5 or 6	6-.228
Spaces: .265, .420, .575, .730, .885, 1.040	7-.214 8-.200 9-.186

Mfgr: Arrow	Depths
Series: Old	
Blank: 1179, 1179A	0-.335
Cuts Start at: .265	1-.315
Spacing: .155	2-.295
Block #: 2	3-.275
Incr: .020	4-.255
No of Spaces: 5 or 6	5-.235
Spaces: .265, .420, .575, .730, .885, 1.040	6-.215

Mfgr: Arrow	Depths
Series: Standard	
Blank: 1179, 1179A	1-.320
Cuts Start at: .230	2-.302
Spacing: .160	3-.284
Block #: 2	4-.266
Incr: .018	5-.248
No of Spaces: 5 or 6	6-.230
Spaces: .230, .390, .550, .710, .870, 1.030	7-.212 8-.194 9-.176

Mfgr: ASSA	Depths
Series: Twin 6000; 600	1-.159
Blanks:	2-.182
Cuts Start at: .264	3-.206
Spacing: .150	4-.230
Block #: 2	5-.253
Incr: .023	6-.276
No of Spaces: 6	7-.300
Spaces: .264, .414, .564, .714, .864, 1.014	8-.324 9-.348

Mfgr: ASSA	Depths
Series: 5 Pin MK	1-.197
Blanks: A, N or S	2-.224
Cuts Start at: .185	3-.252
Spacing: .1575	4-.280
Incr: .0276	5-.307
NN keys are direct digit.	6-.335
All other letters with numbers are code numbers.	7-.363

Mfgr: ASSA	Depths
Series: 5 Pin KD	1-.197
Blanks: A, N or S	2-.217
Cuts Start at: .185	3-.236
Spacing: .1575	4-.256
Incr: .0197	5-.276
NN keys are direct digit.	6-.295
All other letters with numbers are code numbers.	7-.315
	8-.335

Mfgr: ASSA	Depths
Series: 5 Pin MK	1-.197
Blanks: AK, EK or FK	2-.224
Cuts Start at: .2362	3-.252
Spacing: .1575	4-.280
Incr: .0276	5-.307
NN keys are direct digit.	6-.335
All other letters with numbers are code numbers.	7-.363

Mfgr: ASSA	Depths
Series: 5 Pin KD	1-.197
Blanks: AK, EK or FK	2-.217
Cuts Start at: .2362	3-.236
Spacing: .1575	4-.256
Incr: .0197	5-.276
NN keys are direct digit.	6-.295
All other letters with numbers are code numbers.	7-.315
	8-.335

Mfgr:	ASSA	Depths
Series:	7 Pin MK	1-.197
Blanks:	P or R	2-.224
Cuts Start at:	.1575	3-.252
Spacing:	.1575	4-.280
Incr:	.0276	5-.307
NN keys are direct digit.		6-.335
All other letters with numbers are code numbers.		7-.363

Mfgr:	ASSA	Depths
Series:	7 Pin KD	1-.197
Blanks:	P or R	2-.217
Cuts Start at:	.1575	3-.236
Spacing:	.1575	4-.256
Incr:	.0197	5-.276
NN keys are direct digit.		6-.295
All other letters with numbers are code numbers.		7-.315
		8-.335

Mfgr:	ASSA	Depths
Series:	7 Pin MK	1-.197
Blanks:	D, AL or NN	2-.224
Cuts Start at:	.2087	3-.252
Spacing:	.1575	4-.280
Incr:	.0276	5-.307
NN keys are direct digit.		6-.335
All other letters with numbers are code numbers.		7-.363

Mfgr:	ASSA	Depths
Series:	7 Pin KD	1-.197
Blanks:	D, AL or NN	2-.217
Cuts Start at:	.2087	3-.236
Spacing:	.1575	4-.256
Incr:	.0197	5-.276
NN keys are direct digit.		6-.295
All other letters with numbers are code numbers.		7-.315
		8-.335

Mfgr: Audi

Series: AH, AN, HV, NV & VB1-854, 2001-2830,
4001-5151 & 7101-8154

Models: Fox, 80, 90, 100, 200, 4000, 5000

Blanks:	X139, X9, X88, X203	Depths
Cuts Start at:	.100	1-.300
Spacing:	Use VB1 Spacing Block only*	2-.276
Block #:	2	3-.252
Incr:	.024	4-.228

No of Spaces: 10

Reed: 03-05-141, 04-04-060, 04-04-072, 08-02-013.

*2/3, 5/6 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #VB200 would read 3431434 and should be extended to read 3443114334. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Audi

Series: AH, AN, HV, NV & VB1001-1918, 3001-3890,
6001-7086 & 8201-9282

Models: 80, 90, 100, 200, 4000, 5000

Blanks:	X139, X9, X88	Depths
Cuts Start at:	.100	1-.300
Spacing:	Use VB2 Spacing Block only*	2-.276
Block #:	2	3-.252
Incr:	.024	4-.228

No of Spaces: 10

Reed: 03-05-152, 04-04-066, 04-04-079, 08-02-019

*2/3, 6/7 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #VB1200 would read 2422134 and should be extended to read 2442211334. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Audi

Series: 11V001-72V110

Models: 60, S90

Blanks: WT5

Depths

Cuts Start at: SH = .180, PL = .104

1-.255

Spacing: .156

2-.232

Block #: 1

3-.209

Incr: .023

4-.186

No of Spaces: SH = 4, PL = 5

Spaces: SH = .180, .336, .492, .648.

PL = .104, .260, .416, .572, .728

Reed: 03-05-108. Bitting is double, staggered cuts.

Mfgr: Audi

Series: 11W11-91W91; 11X11-91X91

Models: Fox, 100, 100L, 100LS

Blanks: PA5, PA6

Depths

Cuts Start at: .098

1-.256

Spacing: .079

2-.234

Block #: N/A

3-.213

Incr: .0215

No of Spaces: 8

Spacing: .098, .177, .256, .335, .413, .492, .571, .650

Reed: 05-02-041. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Audi

Series: 2001-4949

Blank: X51

Depths

Cuts Start at: .097

1-.224

Spacing: .091

2-.244

Block #: 5

3-.264

Incr: .020

4-.284

No of Spaces: 8

Spaces: .097, .188, .279, .370, .461, .552, .643, .734

Reed: 06-01-085. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Audi
 Series: 3101-3300; 5101-5300
 Model: S90
 Blank: PR1 Depths
 Cuts Start at: .125 1-.260
 Spacing: .100 2-.245
 Block #: 3 3-.230
 Incr: .015 5-.200
 No of Spaces: 6
 Spacing: .125, .225, .325, .425, .525, .625
 Reed: 07-03-010.

Mfgr: Auth
 Series: AE1-500; H1-1000
 Blank: 1003M Depths
 Cuts Start at: .191 0-.290
 Spacing: .125 1-.272
 Block #: 1 2-.254
 Incr: .018 3-.236
 No of Spaces: 5 4-.218
 Spaces: .191, .316, .441, .566, .691 5-.200
 Reed: 02-04-013, 06-02-030, 08-03-001 6-.182

Mfgr: Auth
 Series: HL Depths
 Blank: HL1 1-.290
 Cuts Start at: .195 2-.270
 Spacing: .130 3-.250
 Block #: 2 4-.230
 Incr: .020 5-.210

Mfgr: Auth
 Series: K000-999; S000-999
 Blank: 1003M Depths
 Cuts Start at: .169 1-.268
 Spacing: .126 2-.248
 Block #: 5 3-.228
 Incr: .020 4-.209
 No of Spaces: 5 5-.190
 Spaces: .169, .295, .421, .547, .673
 Reed: 10-04-212

	Depths
Mfgr: Auth	
Series: Letterbox New	0-.275
Blanks: 1069L, 1069LB, etc.	1-.262
Cuts Start at: .150	2-.250
Spacing: .140	3-.237
Block #: 1	4-.225
Incr: .0125	5-.212
No of Spaces: 5	6-.200
Spaces: .150, .290, .430, .570, .710	7-.187 8-.175 9-.162

	Depths
Mfgr: Auth	
Series: Letterbox Old	0-.270
Blank: 1069L, 1069LB, etc.	1-.257
Cuts Start at: .150	2-.245
Spacing: .140	3-.232
Block #: 1	4-.220
Incr: .0125	5-.207
No of Spaces: 5	6-.195
Spaces: .150, .290, .430, .570, .710	7-.182 8-.170 9-.157

	Depths
Mfgr: Baldwin	
Series: Old	0-.310
Blank: 1022	1-.310
Cuts Start at: .265	2-.290
Spacing: .156	3-.270
Block #: 1	4-.250
Incr: .020	5-.230
No of Spaces: 5	6-.210
Spaces: .265, .421, .577, .733, .889	7-.190

	Depths
Mfgr: Baldwin	
Series: Pin Tumbler	0-.335
Blanks: 1510, 1511	1-.320
Cuts Start at: .231	2-.305
Spacing: .156	3-.290
Block #: 1	4-.275
Incr: .015	5-.260
No of Spaces: 5 or 6	6-.245
Spaces: .231, .387, .543, .699, .855, 1.011	7-.230 8-.215 9-.200

Mfgr: Bargman
 Series: 1-200 & Up; LF
 Blank: K1122D Depths
 Cuts Start at: .125 1-.225
 Spacing: .093 2-.210
 Block #: 1 3-.170
 Incr: Var.
 No of Spaces: 5
 Spaces: .125, .218, .311, .404, .497
 Reed: 04-04-002, 031.

Mfgr: Bargman
 Series: LS500-999
 Blanks: H1054B, O1122 Depths
 Cuts Start at: .127 1-.150
 Spacing: .095 2-.230
 Block #: 1 3-.210
 Incr: .020 4-.190
 No of Spaces: 5
 Spaces: .127, .222, .317, .412, .507
 Reed: 03-05-003

Mfgr: Bargman
 Series: Wafer - Trailer Locks
 Blanks: L1054M, K1122B, etc. Depths
 Cuts Start at: .150 1-.250
 Spacing: .095 2-.235
 Block #: 1 3-.220
 Incr: .015 4-.205
 No of Spaces: 5 5-.190
 Spaces: .150, .245, .340, .435, .530

Mfgr: Barrows
 Series: Pin Tumbler
 Blank: 1021N Depths
 Cuts Start at: .200 1-.325
 Spacing: .165 2-.305
 Block #: 2 3-.285
 Incr: .020 4-.265
 No of Spaces: 5 5-.245
 Spaces: .200, .365, .530, .695, 860 6-.225

Mfgr: Barrows	Depths
Series: Pin Tumbler	1-.335
Blank: 1021A	2-.319
Cuts Start at: .215	3-.303
Spacing: .160	4-.287
Block #: 2	5-.271
Incr: .016	6-.255
No of Spaces: 5	7-.239
Spaces: .215, .375, .535, .695, .855	8-.223
	9-.207

Mfgr: BMW
Series: B101-300; B401-630

Models: 1600, 2002

Blank: WT3	Depths
Cuts Start at: .118	0-.256
Spacing: .102	1-.232
Block #: 3	2-.209
Incr: .0237	3-.185
No of Spaces: 5	
Spacing: .118, .220, .323, .425, .528	
Reed: 05-02-087, 089.	

Mfgr: BMW

Series: D & F113-555; E124-555; V112-554; Z114-554	
Blank: 62VO	Depths
Cuts Start at: .125	1-.270
Spacing: .115	2-.255
Block #: 3	3-.240
Incr: .015	4-.225
No of Spaces: 4	5-.210
Spaces: .125, .240, .355, .470	

Reed: 03-05-064. Run out last cut.

Mfgr: BMW

Series: HB & NB 1-1000, 1001-2988 & 3001-5000

Models: M6, 733i, 633, 533i, 320, etc.

Blank: X59 & HF40 (V)	Depths
Cuts Start at: .106	1-.327
Spacing: .083	2-.303
Block #: 5	3-.280
Incr: .024	4-.256
No of Spaces: 10	
Spaces: .106, .189, .272, .354, .437, .520, .602, .685, .768, .850	
Reed: 05-02-091, 06-01-002, 09-02-034	
Bitting is double, same both sides.	

Mfgr: BMW
 Series: HB & NB10001-20000; HB & NB40001-49999
 Models: M6, 750il, 735il, 635csi, 530i, 320, etc.
 Blanks: X144, HF40 (V) ** Do not use X59 blank.** Depths
 Cuts Start at: .106 1-.327
 Spacing: .083 2-.303
 Block #: 5 3-.280
 Incr: .024 4-.256
 No of Spaces: 11
 Spaces: .106, .189, .272, .354, .437, .520, .602,
 .685, .768, .850, .933
 Reed: 09-02-045 & 096. Bitting is double, same both sides.

Mfgr: BMW
 Series: ID601-654 Wheel lug nuts only
 Blank: DM31 Depths
 Cuts Start at: .130 1-.200
 Spacing: .100 3-.170
 Block #: 3 5-.140
 Incr: .030
 No of Spaces: 4
 Spaces: .130, .230, .330, .430
 Reed: 10-02-006

Mfgr: BMW
 Series: SH, SW & SX1-240; SX241-750
 Models: 1600, 2002
 Blanks: 63Y, R62VB, etc. Depths
 Cuts Start at: .140 1-.256
 Spacing: .090 2-.241
 Block #: 3 3-.226
 Incr: .015 4-.211
 No of Spaces: 5 5-.196
 Spacing: .140, .230, .320, .410, .500
 Reed: 02-04-060 & 07-03-018

Mfgr: BMW

**Series: A, N, W & X 1001-1420, 1421-2000,
2001-2019, 7000-7645 & 7646-8000**

Models: 1600, 2002

Blank:	BMW1	Depths
Cuts Start at:	SH = .100, PL = .175	SH: 2-.260
Spacing:	.150	3-.236
Block #:	2	4-.212
Incr:	.024	PL: 0-.260
No of Spaces:	4	1-.236
Spacing:	SH = .100, .250, .400, .550 PL = .175, .325, .475, .625	2-.212 3-.188

Reed: 05-02-073, 079, 099, 106, 07-03-021

Bitting is double, staggered cuts.

Mfgr: BMW

**Series: 1001-1052; 1055-1099; 7131-7190;
7200-7427; 7450-7499**

Blank:	63L	Depths
Cuts Start at:	.270	0-.270
Spacing:	.100	1-.255
Block #:	3	2-.240
Incr:	.015	3-.225
No of Spaces:	5	4-.210
Spaces:	.270, .370, .470, .570, .670	

Reed: 07-03-022, 023, 024, 026.

Mfgr: BMW Motorcycles

Series: 11111-55555 with AA, O or 0

Blank:	Y61	Depths
Cuts Start at:	.140	1-.160
Spacing:	.105	2-.180
Block #:	3	3-.200
Incr:	.020	4-.220
No of Spaces:	5	5-.235
Spaces:	.140, .245, .350, .455, .560	

Reed: 05-04-001

Mfgr: Best	Depths
Series: A-2	0-.319
Blanks: 1114A, etc.	1-.306
Cuts Start at: 6 pin = .250, 7 pin = .100	2-.294
Spacing: .150	3-.281
Block #: 2	4-.269
Incr: .0125	5-.256
No of Spaces: 6 or 7	6-.244
Use narrow side of vise. Hold BEST spacing clip at left side and between jaws of vise. Set blank offset against clip and tighten vise. Set spacing dial at .100 for 7 pin keys or .250 for 6 pin keys.	7-.231
See cutting procedure on page 33.	8-.219
	9-.206

Mfgr: Best	Depths
Series: A-3	0-.319
Blanks: 1114, etc.	1-.301
Cuts Start at: 6 pin = .250, 7 pin = .100	2-.283
Spacing: .150	3-.265
Block #: 2	4-.247
Incr: .018	5-.229
No of Spaces: 6 or 7	6-.211
Use narrow side of vise. Hold BEST spacing clip at left side and between jaws of vise. Set blank offset against clip and tighten vise. Set spacing dial at .100 for 7 pin keys or .250 for 6 pin keys. See cutting procedure on page 33.	

Mfgr: Best	Depths
Series: A-4	0-.319
Blanks: 1114, etc.	1-.298
Cuts Start at: 6 pin = .250, 7 pin = .100	2-.277
Spacing: .150	3-.256
Block #: 2	4-.235
Incr: .021	5-.214
No of Spaces: 6 or 7	
Use narrow side of vise. Hold BEST spacing clip at left side and between jaws of vise. Set blank offset against clip and tighten vise. Set spacing dial at .100 for 7 pin keys or .250 for 6 pin keys. See cutting procedure on page 33.	

Mfgr:	Bommer Pre 76	Depths
Series:	Letterbox: AA, AD, BH, etc.	0-.280
Blanks:	1003M, R1003M	1-.262
Cuts Start at:	.191 (some use .125)	2-.244
Spacing:	.125	3-.226
Block #:	1	4-.208
Incr:	.018	5-.190
No of Spaces:	5	6-.172
Spaces:	.191, .316, .441, .566, .691	

Mfgr:	Bommer 76 Up	Depths
Series:	Letterbox: AA, AD, BH, etc.	0-.290
Blank:	1003M, R1003M	1-.272
Cuts Start at:	.195 (some use .125)	2-.254
Spacing:	.125	3-.236
Block #:	1	4-.218
Incr:	.018	5-.200
No of Spaces:	5	6-.182
Spaces:	.191, .316, .441, .566, .691	

Mfgr:	Borgward	
Series:	C, D, E & F064-126	
Blanks:	MB4, MB5	Depths
Cuts Start at:	.180	1-.235
Spacing:	.120	2-.210
Block #:	2	3-.180
Incr:	Var.	
No of Spaces:	5	
Spaces:	.180, .300, .420, .540, .660	
Reed:	07-03-259.	

Mfgr:	Bostich Cash Boxes	
Series:	LH1-400	
Blank:	L6S	Depths
Cuts Start at:	.185	1-.240
Spacing:	.088	2-.215
Block #:	4	3-.190
Incr:	.025	
No of Spaces:	5	
Spaces:	.185, .273, .361, .449, .537	
Bitting is double, same both sides.		

Mfgr: Briggs & Stratton

Series: Disc, except sidebar

Blanks: 1098, 1098M, 1098X, etc.

Depths

Cuts Start at: .150

1-.250

Spacing: .093

2-.235

Block #: 1

3-.220

Incr: .015

4-.205

No of Spaces: 5

5-.190

Spaces: .150, .243, .336, .429, .522

Mfgr: B & S

Series: Sidebar - Early

Models: 1966 & Previous

Blanks: H1098LA, O1098LA, etc.

Depths

Cuts Start at: .109

1-.248

Spacing: .092

2-.223

Block #: 3

3-.198

Incr: .025

4-.173

No of Spaces: 5

5-.148

Spaces: .109, .201, .293, .385, .477

Mfgr: B & S

Series: Disc

Blanks: 01122, L1054B, etc.

Depths

Cuts Start at: .125

1-.250

Spacing: .095

2-.230

Block #: 1

3-.315

Incr: .020

4-.410

No of Spaces: 5

5-.505

Spaces: .125, .220, .315, .410, .505

Mfgr: British Cars

Series: A11111-A55555; 11111A-55555A

For: Austin, British Leyland, etc.

Blank: H61VR, NE7

Depths

Cuts Start at: .150

1-.217

Spacing: .130

2-.236

Block #: 2

3-.256

Incr: .0197

4-.276

No of Spaces: 5

5-.285

Spaces: .150, .280, .410, .540, .670

Reed: 06-01-171, 235.

Mfgr: British Cars**Series: A000-1000; B001-1000**

Blank:	VAC43 (Silca)	Depths
Cuts Start at:	.200	1-.280
Spacing:	.100	2-.260
Block #:	3	3-.240
Incr:	.020	4-.220
No of Spaces:	6	
Spaces:	.200, .300, .400, .500, .600, .700	
Reed:	07-03-027, 032.	Bitting is double, same both sides.

Mfgr: British Cars**Series: AB & BA0001-1000****For: Vauxhall, etc.**

Blanks:	YM30, YM29	Depths
Cuts Start at:	SH = .115, PL = .185	1-.275
Spacing:	.155	2-.245
Block #:	2	3-.225
Incr:	.020	4-.205
No of Spaces:	5	
Spaces:	SH = .115, .270, .425, .580, .735 PL = .185, .340, .495, .650, .805	
Reed:	05-02-241, 06-01-189, 07-03-271, 10-02-110.	
Bitting is double, staggered cuts.		

Mfgr: British Cars**Series: AK0001-1000; TC0001-1000****For: Astin Martin, Rover, etc.**

Blank:	X86	Depths
Cuts Start at:	.075	1-.320
Spacing:	*	2-.295
Block #:	N/A	3-.270
Incr:	Var.	4-.240
No of Spaces:	10	
Spaces:	2 & 3, 5 & 6, 9 & 10 are double cuts. * 1 2----3 4 5----6 7 8 9---10 .075 .164 .216 .310 .409 .461 .545 .645 .744 .796	
Reed:	06-01-074, 07-03-195.	Bitting is double, same both sides.

Mfgr: British Cars

**Series: BC, FT, FV & SF101-225; BC, FT, FV &
VM301-360; SS201-299; VT400-474, etc.**

For: Aston Martin, Austin, Cortina, British Leyland, Rover, etc.

Blank:	62FT, 62FG, 62FE	Depths
Cuts Start at:	.235	1-.290
Spacing:	.094	2-.260
Block #:	3	3-.230
Incr:	.030	
No of Spaces:	5	
Spaces:	.235, .329, .423, .517, .611	
Reed:	05-02-111, 06-01-060, 09-02-361.	
Bitting is double, same both sides.		

Mfgr: British Cars

Series: BL & NP0001-1000; 0001-1000

For: British Leyland, Rover, etc.

Blank:	NE49	Depths
Cuts Start at:	.095	1-FW
Spacing:	.087	2-.270
Block #:	4	3-.245
Incr:	.025	4-.220
No of Spaces:	8	
Spaces:	.095, .182, .269, .356, .443, .530, .617, .704	
Reed:	07-03-052. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: British Cars

Series: BL, RO, VL, VN & WV1001-2000

For: Austin, British Leyland, Rover, Vauxhall, etc.

Blanks:	X50, X157	Depths
Cuts Start at:	.108	1-.314
Spacing:	.094	2-.289
Block #:	3	3-.264
Incr:	.025	4-.239
No of Spaces:	9	
Spaces:	.108, .202, .296, .390, .484, .578, .672, .766, .860	
Reed:	05-02-119, 397. Bitting is double, same both sides.	

Mfgr: British Cars

Series: BL2001-3000; 2001-3000

For: British Leyland, etc.

Blank:	X51	Depths
Cuts Start at:	.097	1-.225
Spacing:	.091	2-.244
Block #:	5	3-.263
Incr:	.019	4-.282

No of Spaces: 8

Spaces: .097, .188, .279, .370, .461, .552, .643, .734

Reed: 05-02-113. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: British Cars

Series: BL4000-4999 & 7001-9000; 4000-4999; 7001-9000

For: British Leyland, Rover, etc.

Blanks:	X29	Depths
Cuts Start at:	.098	1-.298
Spacing:	Var.	2-.275
Block #:	N/A	3-.252
Incr:	.023	4-.229

No of Spaces: 10 *

Spaces: .098 .185 .272 .359 .446 .533 .628 .678 .778 .823

Reed: 07-03-057, 063. * 7/8 and 9/10 are double cuts. Some code books list all 10 cuts while others list only eight. Before cutting key, extend code number to read all 10 cuts. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: British Cars

Series: CR & RC001-650

Blank:	L5CR	Depths
Cuts Start at:	.110	1-.265
Spacing:	.095	2-.245
Block #:	1	3-.225
Incr:	.020	

No of Spaces: 6

Spaces: .110, .205, .300, .395, .490, .585

Reed: 07-03-037. Bitting is double, same both sides.

Mfgr: British Cars

Series: E8000-8999; L8001-10000

Models: Range Rover, etc.

Blank:	X170	Depths
Cuts Start at:	.098	1-.299
Spacing:	Ster.	2-.275
Block #:	4	3-.251
Incr:	.024	4-.227
No of Spaces:	10	
Spaces:	.098,.185,.272, .359,.446, .533,.627, .677,.771, .821	
Reed:	09-02-318, 324. Bitting is double, same both sides. Cuts 7 & 8 and 9 & 10 are double cuts. Each double chamber contains two wafers. Use #4 Block - Sterling spacing. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter. Correct blank must be used - 11th wafer is seated on tip of blank.	

Mfgr: British Cars

**Series: FA501-625; FNR & MRN1-54; FNR & MRN201-300;
FP626-750; FR626-875; MRA & NRA51-90; MRA &
NRA251-290; TS300-369; YFB1-72**

For: Aston, Austin, Union, etc.

Blanks:	62DG, 62DK, 62DJ, 62DP, 62DH, SR4, etc.	
Cuts Start at:	.162	1-.238
Spacing:	.095	2-.205
Block #:	1	3-.175
Incr:	.0315	
No of Spaces:	5	
Spaces:	.162,.257,.352,.447,.542 - Run out to end of key.	
Reed:	02-04-048, 049, 051, 06-01-021, 037, 07-03-051.	

Mfgr: British Cars

Series: FR1-2000; FR4001-6000

For: Aston Martin, British Leyland, etc.

Blank:	FT6R	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	
Reed:	05-02-158.	5-.166

Mfgr: British Cars**Series: FS01-99; FK & FS876-955; RL & RM801-952****Models: Aston Martin, Austin, Rover, Vauxhall, etc.**

Blanks:	62FS, HR62DG, etc.	Depths
Cuts Start at:	.162	1-.236
Spacing:	.095	2-.204
Block #:	1	3-.172
Incr:	.032	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542	
Reed:	05-02-427, 06-01-029.	

Mfgr: British Cars**Series: FT1001-2001****For: Cortina, etc.**

Blank:	BR20	Depths
Cuts Start at:	.198	1-.285
Spacing:	.100	2-.255
Block #:	3	3-.225
Incr:	.030	
No of Spaces:	10	
Spaces:	.198, .298, .398, .498, .598, .698, .798, .898, .998, 1.098	
Reed:	05-02-139. Bitting is double, same both sides.	

Mfgr: British Cars**Series: LMP35001-36177**

Blank:	LM3	Depths
Cuts Start at:	.140	1-FW
Spacing:	.077	2-.250
Block #:	N/A	3-.225
Incr:	.025	4-.200
No of Spaces:	10	
Spaces:	.140, .217, .294, .371, .448, .525, .602, .679, .756, .833	
Reed:	07-03-043. Bitting is double, same both sides.	

Mfgr: British Cars**Series: NH2001-3000****Models: British Leyland, Rover, etc.**

Blank:	MG1	Depths
Cuts Start at:	.157	1-.310
Spacing:	.095	2-.290
Block #:	3	3-.270
Incr:	.020	4-.250
No of Spaces:	10	
Spaces:	.157, .252, .347, .442, .537, .632, .727, .822, .917, 1.012	
Reed:	05-02-218. Bitting is double, same both sides.	

Mfgr: British Cars

Series: NJ001-1500

Blank:	UN1	Depths
Cuts Start at:	.160	1-.295
Spacing:	.140	2-.270
Block #:	1	3-.245
Incr:	.025	4-.220
No of Spaces:	5	5-.195
Spaces:	.160, .300, .440, .580, .720	6-.170
Reed:	06-01-022	

Mfgr: British Cars

Series: SL5001-7000

For: Sunbeam, etc

Blanks:	X16	Depths
Cuts Start at:	.108	1-.314
Spacing:	.094	2-.289
Block #:	3	3-.264
Incr:	.025	4-.239
No of Spaces:	10	
Spaces:	.108,.202,.296,.390,.484,.578,.672,.766,.860,.954	
Reed:	05-02-025. Bitting is double, same both sides.	

Mfgr: British Cars

Series: SR301-435; ST600-698

Blank:	BR5, BR6	Depths
Cuts Start at:	.160	1-.243
Spacing:	.100	2-.228
Block #:	3	3-.213
Incr:	.025	
No of Spaces:	5	
Spaces:	.160, .260, .360, .460, .560	
Reed:	07-03-050. Bitting is double, same both sides.	

Mfgr: British Cars

Series: TM3001-4000

Blank:	CE8	Depths
Cuts Start at:	.180	1-.310
Spacing:	.100	2-.280
Block #:	3	3-.265
Incr:	Var.	
No of Spaces:	10	
Spaces:	.180,.280,.380,.480,.580,.680,.780,.880,.980, 1.080	
Reed:	06-01-030. Bitting is double, same both sides.	

Mfgr: British Cars**Series: 15001-19000; 86001-87000****For: Rover, etc.**

Blank:	X13	Depths
Cuts Start at:	.200	1-.268
Spacing:	.100	2-.230
Block #:	3	3-.200
Incr:	Var.	
No of Spaces:	5	
Spaces:	.200, .300, .400, .500, .600	
Reed:	06-01-038, 049. Bitting is double, different both sides.	

Mfgr: Brockway**Series: CH251-1178; LL001-200****Models: Trucks**

Blanks:	O1122R, O1122A	
Cuts Start at:	.125	1-.250
Spacing:	.095	2-.230
Block #:	1	3-.210
Incr:	.020	4-.190
No of Spaces:	5	5-.170
Spaces:	.125, .220, .315, .410, .505	
Reed:	02-07-003 & 095.	

Mfgr: Brockway**Series: H601-1100****Models: Trucks**

Blanks:	1098M, 1098X	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.235
Block #:	1	3-.220
Incr:	.015	4-.205
No of Spaces:	5	5-.190
Spaces:	.150, .243, .336, .429, .522	
Reed:	01-02-023	

Mfgr: Buick
 Series: A000-ZZ99 (10 Cut)
 Model: Skylark
 Blank: P1102 Depths
 Cuts Start at: .216 1-.315
 Spacing: .092 2-.290
 Block #: 3 3-.265
 Incr: .025 4-.240
 No of Spaces: 10
 Spaces: .216,.308,.400,.492,.584,.676,.768,.860,.952,1.044
 Reed: Volume 12. Bitting is double, same both sides. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Buick
 Series: 0A00-99Y9
 Models: Park Avenue, Reatta, Regal, Riviera, Roadmaster, etc.
 Blanks: P1098E, P1098WE, S1098H, VATS, etc. Depths
 Cuts Start at: .109 1-.248
 Spacing: .092 2-.223
 Block #: 3 3-.198
 Incr: .025 4-.173
 No of Spaces: 6 5-.148
 Spaces: .109, .201, .293, .385, .477, .569
 Reed: 01-02-218.

Mfgr: Buick
 Series: C6001-7026
 Model: Opel
 Blank: X121, X54 Depths
 Cuts Start at: .098 1-.276
 Spacing: .0985 2-.256
 Block #: 5 3-.236
 Incr: .020 4-.217
 No of Spaces: 6
 Spaces: .098, .197, .296, .394, .492, .591
 Reed: 06-01-172. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Buick

Series: 00J0-99J9; 00K0-99K9

Model: Skylark

Blanks:	P1099, P1101	Depths
Cuts Start at:	.413	1-.347
Spacing:	.0985	2-.324
Block #:	5	3-.300
Incr:	.0235	4-.277
No of Spaces:	6	5-.253

Spaces: .413, .512, .610, .709, .807, .906

Reed: 10-04-019 & 024. Bitting is double, same both sides.

Mfgr: Cadillac

Series: 0A00-99Y9

Models: Allante, Cimarron, DeVille, Fleetwood, Seville, etc.

Blanks:	P1098A, P1098AV, S1098B, VATS, etc.	Depths
Cuts Start at:	.109	1-.248
Spacing:	.092	2-.223
Block #:	3	3-.198
Incr:	.025	4-.173
No of Spaces:	6	5-.148

Spaces: .109, .201, .293, .385, .477, .569

Reed: 01-02-218.

Mfgr: Cadillac

Series: VA001-500; 001-500

Model: Allante

Blank:	X162	Depths
Cuts Start at:	.120	1-.280
Spacing:	.090	2-.260
Block #:	3	3-.240
Incr:	.020	4-.220
No of Spaces:	6	

Spaces: .120, .210, .300, .390, .480, .570

Reed: 09-02-031. Bitting is double, same both sides.

Mfgr: Canada Post	
Series: CP1-2000	
For: Letterboxes	
Blank: 1558	Depths
Cuts Start at: .125	1-.250
Spacing: .095	2-.230
Block #: 1	3-.210
Incr: .020	4-.190
No of Spaces: 6	5-.170
Spaces: .125, .220, .315, .410, .505	X-.220
Reed: 11-03-009	

Mfrg: Cessna
Series: PK500-999; 100-349; 2000-2600
Blanks: C1054B, O1122, O1122A
Cuts Start at: .125
Spacing: .095
Block #: 1
Incr: .020
No of Spaces: 5
Spaces: .125, .220, .315, .410, .505
Reed: 02-07-045, 04-04-003, 005.

Mfgr:	Challenger	Depths
Series:	C, Pin Tumbler	0-.320
Blanks:	1170, 1170B, A1170B, etc.	1-.305
Cuts Start at:	.213	2-.290
Spacing:	.156	3-.275
Block #:	1	4-.260
Incr:	.015	5-.245
No of Spaces:	5 or 6	6-.230
Spaces:	.213, .369, .525, .681, .837, .993	7-.215 8-.200

Mfgr: Chantrell	Depths
Series: K, Pin Tumbler	1-.360
Blanks: 1015C, A1015C, etc.	2-.346
Cuts Start at: .225	3-.332
Spacing: .150	4-.318
Block #: 2	5-.304
Incr: .014	6-.290
No of Spaces: 5 or 6	7-.276
Spaces: .225, .375, .525, .675, .825, .975	8-.262 9-.248

Mfgr: Chantrell	Depths
Series: Sectional	0-.338
Blanks: 1015, 1015A	1-.320
Cuts Start at: .227	2-.302
Spacing: .156	3-.284
Block #: 1	4-.266
Incr: .018	5-.248
No of Spaces: 5 or 6	6-.230
Spaces: .227, .383, .539, .695, .851, 1.007	7-.212 8-.194 9-.176

Mfgr: Chesler	Depths
Series: All	0-.315
Blank: 1178	1-.295
Cuts Start at: .222	2-.275
Spacing: .156	3-.255
Block #: 1	4-.235
Incr: .020	5-.215
No of Spaces: 5	6-.195
Spaces: .222, .378, .534, .690, .846	7-.175
Numbers on tailpiece are cuts.	8-.155

Mfgr: Chevrolet	
Series: A000-ZZ99 (10 Cut)	
Blank: P1102	Depths
Cuts Start at: .216	1-.315
Spacing: .092	2-.290
Block #: 3	3-.265
Incr: .025	4-.240
No of Spaces: 10	
Spaces: .216,.308,.400,.492,.584,.676,.768,.860,.952,1.044	
Reed: Volume 12. Bitting is double, same both sides. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.	

Mfgr: Chevrolet
 Series: A8001-9400
 Models: Spectrum, Trucks
 Blanks: X143, X158 Depths
 Cuts Start at: .118 1-.325
 Spacing: .118 2-.297
 Block #: 5 3-.270
 Incr: .0277 4-.242
 No of Spaces: 6
 Spaces: .118, .236, .354, .472, .591, .709
 Reed: 08-02-236. Bitting is double, same both sides.

Mfgr: Chevrolet
 Series: 0A00-99Y9
 Models: Beretta, Camaro, Corsica, Corvette, Lumina, etc.
 Blanks: P1098C, P1098WC, P1098CV, VATS, etc. Depths
 Cuts Start at: .109 1-.248
 Spacing: .092 2-.223
 Block #: 3 3-.198
 Incr: .025 4-.173
 No of Spaces: 6 5-.148
 Spaces: .109, .201, .293, .385, .477, .569
 Reed: 01-02-218.

Mfgr: Chevrolet
 Series: B5001-6000
 Model: Luv Truck
 Blanks: T61F, P1098V Depths
 Cuts Start at: .083 1-.217
 Spacing: .0985 2-.236
 Block #: 5 3-.256
 Incr: .0197 4-.276
 No of Spaces: 6
 Spaces: .083, .181, .280, .378, .477, .575
 Reed: 04-04-045. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Chevrolet

Series: C6001-7042; R001-R6HR; S001-S5SS;
U3001-4000; U7001-8200

Models: Luv Truck, Nova, Sprint

Blanks: X121, X54, X145, X146

Depths

1-.276

Cuts Start at: .098

2-.256

Spacing: .0985

3-.236

Block #: 5

4-.217

Incr: .0197

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 06-01-106, 09-02-294, 08-02-242 & 247.

Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Chevrolet

Series: 00J0-99J9; 00K0-99K9

Model: Cavalier

Blanks: P1099, P1101

Depths

1-.347

Cuts Start at: .413

2-.324

Spacing: .0985

3-.300

Block #: 5

4-.277

Incr: .0235

No of Spaces: 6

5-.253

Spaces: .413, .512, .610, .709, .807, .906

Reed: 10-04-019 & 024. Bitting is double, same both sides.

Mfgr: Chevrolet

Series: N5001-7000

Models: Trucks

Blank: X184

Depths

1-.325

Cuts Start at: .098

2-.297

Spacing: .083

3-.270

Block #: 5

4-.242

Incr: .0277

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 10-02-065. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Chevrolet
Series: S8001-9000

Models: Trucks

Blank:	X154	Depths
Cuts Start at:	.118	1-.276
Spacing:	.083	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217
No of Spaces:	8	
Spaces:	.118, .201, .283, .366, .449, .532, .614, .697	
Reed:	08-02-049. Bitting is double, same both sides.	

Mfgr: Chicago
Series: Small Pin, See Below

Blank:	Various, see codes.	Depths
Cuts Start at:	.156	1-.266
Spacing:	.140	2-.250
Block #:	1	3-.234
Incr:	.016	4-.218
No of Spaces:	3 to 5	5-.202
Spaces:	.156, .296, .436, .576, .716	6-.186
		7-.170

1A1-6A6	1GP1-2GP0	1RC1-1RC5
1A10-1A24	1GW1-3GW0	7R56-7R79
5AH1-7AH5	1H01-7H00	1RR01-3RR00
7A1-7A9	2HM01-5HM00	5RR01-9RR00
8A1-8A9	1J01-1J100	S201-293
1B01-3B50	2K01-7K97	1S1-9S9
1BM01-2BM00	1L01-1L450	3S01-9S50
5C1-9C9	1MC1-6MC5	1TS1-1TS4
CU1-400	1MD1-2MD1	5V10-6V00
5D01-6D30	1MM1-1MM12	1X00-3X00
1E01-2E50	1MS1-6MS9	1X1-7X6
2E71-3E00	1N01-1N450	5X01-7X00
1EY01-5EY00	1P01-7P90	2Y01-4Y50
5GB0-5GB1	1RB1-6RB4	5Y01-1Y000

Mfgr: Chicago
Series: S100-200; 100-200

Blank:	S1041JA	Depths
Cuts Start at:	.140	0-.261
Spacing:	.140	1-.243
Block #:	1	2-.225
Incr:	.018	3-.207
Spaces:	.140, .280, .420, .560	4-.189
Reed:	01-03-036	5-.171
		6-.153

	Depths
Mfgr: Chicago	1-.250
Series: Wafer, See Below	2-.235
Blanks: Various, see codes.	3-.220
Cuts Start at: .139	4-.205
Spacing: .093	5-.190
Block #: 1	
Incr: .015	
Spaces: 3 to 5	
Spaces: .139, .232, .325, .418, .511, .604	

AA201-1100	H116-155	TD1-36
AAB1-225	HK1-25	TN322-350
AM401-450	HMP1-300	USS1-90
AMG1-1000	JG1-200	V1250-1499
AS351-386	JK1-152	VF101-252
B250-800	K116-540	VH1-1000
BC101-300	KB501-835	W1-50
BD251-260	KJ1-152	W1190-1239
BJ1-1100	LL1-900	WE201-350
C501-1200	LLK1-50	XF1001-3000
CB500-749	LLM226-275	1001X-3000X
CBM1-35	LL1H-LL225H	1001XA-
CG1-54	LL1W-LL226W	3000XA
CHL1-25	LM501-1400	1001XB-
DEF1-50	LW1-240	3000XB
DH1-50	LX251-450	1001XC-
DSF1-225	LZ1-752	3000XC
EF1-80	MF501-1000	1001XD-
EW1-50	MG201-425	3000XD
FG1-20	ML101-325	1001XS-
FLT1-48	NN1-900	3000XS
FR1-800	PA11-40	5071XS-
FX1151-3000	RF1-50	9124XS
GD1-54	RP1-25	Y101-200
GK1-900	RR01-100	YD751-1000
GL501-525	RX401-500	1-26
GR1-456	SJ250-449	101-150
GRM1-250	SP501-539	1250-1600
G1001X-3000X	SZ1-50	3001-3050

Mfgr:	Chicago double-bit	Depths
Series:	H2001-2576	0-.392
Blanks:	Various, see codes.	1-.380
Cuts Start at:	.237	2-.368
Spacing:	.0283	3-.356
Block #:	N/A, must be progressed.	4-.344
Incr:	.012	5-.332
Spaces:	.237, .265, .294, .322, .350, .378, .407, .435, .463, .492, .520	6-.320 7-.308 8-.296 9-.284

Mfgr:	Chrysler (Old)	
Series:	CA, CB, CJ, etc.	
Blank:	1764P, P1770U, X1199G, etc.	Depths
Cuts Start at:	.146	1-.255
Spacing:	.140	2-.230
Block #:	1	3-.205
Incr:	.025	4-.180
No of Spaces:	5	5-.155
Spaces:	.146, .286, .426, .566, .706	
Reed:	02-06-143, 151, 213.	

Mfgr:	Chrysler (Old)	
Series:	CV1-1500, etc.	
Blank:	1764S, S1770U, etc.	Depths
Cuts Start at:	.107	1-.250
Spacing:	.093	2-.225
Block #:	1	3-.200
Incr:	.025	4-.175
No of Spaces:	6	
Spaces:	.107, .200, .293, .386, .479, .572	
Reed:	02-06-215.	

Mfgr:	Chrysler	
Series:	DP & DS1-1400	
Blank:	1768CH, S1768CH	Depths
Cuts Start at:	.146	1-.246
Spacing:	.140	2-.221
Block #:	1	3-.196
Incr:	.025	4-.171
No of Spaces:	5	5-.146
Spaces:	.146, .286, .426, .566, .706	
Reed:	02-06-223.	

Mfgr: Chrysler**Series: ES & EP1-3000****Blanks: P1786, S1770U, etc.****Depths**

1-.246

Cuts Start at: .146

2-.226

Spacing: .140

3-.206

Block #: 1

4-.186

Incr: .020

5-.166

No of Spaces: 5

6-.146

Spacing: .146, .286, .426, .566, .706**Reed: 02-06-229.****Mfgr: Chrysler****Series: G0000-1394 (Also F, M & V)****Models: Town & Country, etc.****Blanks: P1789, P1789P****Depths**

1-.340

Cuts Start at: .144

2-.315

Spacing: .092

3-.290

Block #: 3

4-.265

Incr: .025**No of Spaces: 7****Spaces: .144, .236, .328, .420, .512, .604, .696****Reed: 10-04-001. Bitting is double, same both sides. Use Ford 5 pin spacing clip. Set starting cut at .144 (first cut from bow). See cutting procedure on page 33.****Mfgr: Chrysler (Old)****Series: HK, HX & HY000-999****Blanks: 1766DT, etc.****Depths**

1-.195

Cuts Start at: .170

2-.175

Spacing: .125

3-.155

Block #: 1

4-.135

Incr: .020**No of Spaces: 5**

5-.115

Spaces: .170, .295, .420, .545, .670**Reed: 01-06-037. Use narrow side of vise.**

Mfgr: Chrysler**Series: J0001-3580; L0001-3580****Models: Concorde, Town & Country, etc.****Blanks: P1793, 1793V, P1794, 1794V****Depths****Cuts Start at: .051** 1-.340**Spacing: .092** 2-.315**Block #: 3** 3-.290**Incr: .025** 4-.265**No of Spaces: 7****Spaces: .051, .143, .235, .327, .419, .511, .603****Reed: 11-05-001 & 016. Bitting is double, same both sides.****Use Ford 5 pin spacing clip, set starting cut at .051 (first cut from bow). See cutting procedure on page 33.****Mfgr: Chrysler (Old)****Series: XC, XD, XE, XS, etc.****Blanks: See Code Books** **Depths****Cuts Start at: .125** 1-.250**Spacing: .095** 2-.230**Block #: 1** 3-.210**Incr: .020** 4-.190**No of Spaces: 5****Spaces: .125, .220, .315, .410, .505****Reed: 02-07-003****Mfgr: Chrysler (Old)****Series: ZC, ZD, ZE, ZP, etc.****Blanks: See Code Books** **Depths****Cuts Start at: .125** 1-.250**Spacing: .095** 2-.230**Block #: 1** 3-.210**Incr: .020** 4-.190**No of Spaces: 5** 5-.170**Spaces: .125, .220, .315, .410, .505.****Reed: 02-07-059, 063, 067, 071.**

Mfgr: Citreon

Series: A3AA-A3JZ; A4AA-A4JZ

Blanks: 62UC, R62UC

Depths

Cuts Start at: .152

1-.270

Spacing: .098

2-.247

Block #: 3

3-.224

Incr: .023

No of Spaces: 6

Spaces: .152, .250, .348, .446, .544, .642

Reed: 05-02-133. Bitting is double, same both sides.

Mfgr: Citreon

Series: C, J, P, R, V, W, Y & Z1-224

Models: 504, 505, 604, etc.

Blank: 61PE, KM3, KM8, X89, 61PS, KM2, R63G

Depths

Cuts Start at: .220

1-.270

Spacing: .094

2-.250

Block #: 3

3-.230

Incr: .020

No of Spaces: 5

Spaces: .220, .314, .408, .502, .596

Reed: 06-01-196, 198, 200. Bitting is double, same both sides.

Mfgr: Citreon

Series: D11111-77777 (1-2-3-5-7 only)

Blanks: VC26

Depths

Cuts Start at: .094

1-.193

Spacing: .126

2-.217

Block #: 5

3-.232

Incr: Var.

5-.252

No of Spaces: 5

7-.283

Spaces: .094, .220, .346, .472, .598

Reed: 10-02-006.

Mfgr: Citreon

Series: E01-399

Blank: 63PX

Depths

Cuts Start at: .145

1-.280

Spacing: .098

2-.256

Block #: 3

3-.232

Incr: .024

4-.209

No of Spaces: 5

5-.185

Spaces: .145, 243, .341, .439, .537

Reed: 05-02-318, 06-01-192, 08-02-029.

Mfgr: Citreon

Series: 11111-88888 with S, T, U, V, X, Y	Depths
Blanks: VC24, VC25, VC26, VC27	1- FW
Cuts Start at: .130	2-.261
Spacing: .130	3-.250
Block #: 2	4-.239
Incr: .011	5-.228
No of Spaces: 5	6-.217
Spaces: .130, .260, .390, .520, .650	7-.206
Reed: 07-03-083	8-.195

Mfgr: Citreon

Series: Z11111X-Z77777X (letter - 1-2-3-5-7 - letter)	
Blank: VC25, VC26, VC30, VC31	Depths
Cuts Start at: .080	1-.200
Spacing: .125	2-.220
Block #: 1	3-.240
Incr: Var.	5-.260
No of Spaces: 5	7-.280
Spaces: .080, .205, .330, .455, ,580	
Reed: 05-02-138. Start spacing from bottom shoulder. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.	

Mfgr: Citreon

Series: 2100-2309; 4100-4309; 6100-6309; 8100-8309	
Blanks: F91C2, F91C, F91CR, F91C8	Depths
Cuts Start at: .221	1-.268
Spacing: .0985	2-.244
Block #: 5	3-.220
Incr: .025	
No of Spaces: 5	
Spaces: .221, .320, .418, .517, .615	
Reed: 05-02-006. Bitting is double, same both sides.	

Mfgr: Clinton	0-.325
Series: Large Pin	1-.312
Blank: 1023, 1023A	2-.300
Cuts Start at: .170	3-.287
Spacing: .156	4-.275
Block #: 1	5-.262
Incr: .0125	6-.250
No of Spaces: 5 or 6	7-.237
Spaces: .170, .326, .482, .638, .794, .950	8-.225
Direct digit.	9-.212

Mfgr: Club Steering Wheel Locks**Series: A, B, C, D, E, F**

Blanks: 1573A - 1573F	Depths
Cuts Start at: .205	1-.264
Spacing: .0985	2-.236
Block #: 5	3-.209
Incr: .0275	
No of Spaces: 6	
Spaces: .205, .303, .402, .500, .598, .697	
Bitting is double, same both sides.	

Mfgr: Cole-Hersee**Series: Boat Keys**

Blanks: O1122R	Depths
Cuts Start at: .125	1-.250
Spacing: .094	2-.230
Block #: 3	3-.210
Incr: .020	4-.190
No of Spaces: 5	
Spaces: .125, .219, .313, .407, .501	

Mfgr: Columbia	1-.280
Series: File Locks	2-.262
Blank: 1014DX	3-.244
Cuts Start at: .125	4-.226
Spacing: .093	5-.208
Block #: 1	6-.190
Incr: .018	7-.172
No of Spaces: 5	8-.154
Spaces: .125, .218, .311, .404, .497	9-.136
Use narrow side of vise.	0-.118

Mfgr: Columbia	0-.265
Series: File Locks	1-.252
Blank: 1064	2-.240
Cuts Start at: .150	3-.227
Spacing: .140	4-.215
Block #: 1	5-.202
Incr: .0125	6-.190
No of Spaces: 4	7-.177
Spaces: .150, .290, .430, .570	8-.165 9-.152

Mfgr: Commodore	
Series: File Locks	
Blank: CD1	Depths
Cuts Start at: .125	1-.240
Spacing: .140	2-.225
Block #: 1	3-.192
Incr: Var.	4-.160
No of Spaces: 4	
Spaces: .125, .265, .405, .545	

Mfgr: Commodore	
Series: File Locks; K1-130	
Blank: SY1	Depths
Cuts Start at: .150	1-.270
Spacing: .150	2-.240
Block #: 2	3-.210
Incr: .030	4-.180
No of Spaces: 4	
Spaces: .150, .300, .450, .600	
Reed: 04-04-027	

Mfgr: Corbin Russwin	Depths
Series: 752, Old; 7 Prefix	0-.310
Blank: 752	1-.290
Cuts Start at: .250	2-.270
Spacing: .156	3-.250
Block #: 1	4-.230
Incr: .020	5-.210
No of Spaces: 5	6-.190
Spaces: .250, .406, .562, .718, .874	

Mfgr:	Corbin Russwin	
Series:	852, Old; 8 Prefix	
Blanks:	852 (8 Prefix)	Depths
	252 (2 Prefix)	0-.305
	G (G Prefix)	1-.285
Cuts Start at:	.250	2-.265
Spacing:	.156	3-.245
Block #:	1	4-.225
Incr:	.020	5-.205
No of Spaces:	6	6-.185
Spaces:	.250, .406, .562, .718, .874, 1.030	B-.325

Mfgr:	Corbin Russwin	
Series:	981	Depths
Blanks:	981 (R,V,L Prefix)	0-.323
	982 (S,W,1L Prefix)	1-.308
	983 (T,X,2L Prefix)	2-.293
Cuts Start at:	.250	3-.278
Spacing:	.156	4-.263
Block #:	1	5-.248
Incr:	.015	6-.233
No of Spaces:	5 to 7*	7-.218
Spaces:	.250, .406, .562, .718, .874, 1.030, 1.186	8-.203

*5 Pin = R,S,T; 6 Pin = V,W,X; 7 Pin = L, 1L, 2L

Mfgr:	Corbin Russwin	Depths
Series:	A; Old; E1-250	0-.315
Blanks:	A1 - A24 (formerly 1A-24A & 1Z-24Z)	1-.295
Cuts Start at:	.250	2-.275
Spacing:	.156	3-.255
Block #:	1	4-.235
Incr:	.020	5-.215
No of Spaces:	6	6-.195
Spaces:	.250, .406, .562, .718, .874, 1.030	

Mfgr: Corbin Russwin	Depths
Series: D & H, Pre System 70	0-.341
Blanks: D1 - D4, H1 - H8	1-.326
Cuts Start at: .250	2-.311
Spacing: .156	3-.296
Block #: 1	4-.281
Incr: .015	5-.266
No of Spaces: 7	6-.251
Spaces: .250, .406, .562, .718, .874, 1.030, 1.186	7-.236 8-.221 9-.206

Mfgr: Corbin Russwin	Depths
Series: D, H, Z; System 70	1-.339
Blanks: D1 - D4, H1 - H8, L1 - L4, 59A1 - 59D2, 60 & 70	2-.311
Cuts Start at: .250	3-.283
Spacing: .156	4-.255
Block #: 1	5-.227
Incr: .028	5.5-.213
No of Spaces: 7	6-.199
Spaces: .250, .406, .562, .718, .874, 1.030, 1.186	

Mfgr: Corbin Russwin	Depths
Series: K & N; Pre System 70	0-.328
Blanks: 1K - 28K, 1N - 28N	1-.313
Cuts Start at: .250	2-.298
Spacing: .156	3-.283
Block #: 1	4-.268
Incr: .015	5-.253
No of Spaces: 7	6-.238
Spaces: .250, .406, .562, .718, .874, 1.030, 1.186	7-.223 8-.208 9-.193

Mfgr: Corbin Russwin	Depths
Series: K & N; System 70	1-.334
Blanks: 1K - 28K, 1N - 28N	2-.306
Cuts Start at: .250	3-.278
Spacing: .156	4-.250
Block #: 1	5-.222
Incr: .028	5.5-.208
No of Spaces: 7	6-.194
Spaces: .250, .406, .562, .718, .874, 1.030, 1.186	

Mfgr:	Corbin Russwin	Depths
Series:	X Class; Pre System 70	1-.333
Blanks:	27, 57, 67, 77 Series; AR, BR, BL	2-.319
Cuts Start at:	.197	3-.305
Spacing:	.156	4-.291
Block #:	1	5-.277
Incr:	.014	6-.263
No of Spaces:	7	7-.249
Spaces:	.197, .353, .509, .665, .821, .977, 1.133	8-.235
Cuts are read and written tip to bow.		9-.221
		0-.207

Mfgr:	Corbin Russwin	Depths
Series:	X Class; System 70	1-.333
Blanks:	27, 57, 67, 77 Series; AR, BR, BL	2-.305
Cuts Start at:	.197	3-.277
Spacing:	.156	4-.249
Block #:	1	5-.221
Incr:	.028	5.5-.207
No of Spaces:	7	6-.193
Spaces:	.197, .353, .509, .665, .821, .977, 1.133	

Mfgr:	Corbin Russwin	Depths
Series:	Z Class; Pre System 70	1-.339
Blanks:	59A1 - 59D2, 60, 70, L1 - L4	2-.325
Cuts Start at:	.250	3-.311
Spacing:	.156	4-.297
Block #:	1	5-.283
Incr:	.014	6-.269
No of Spaces:	7	7-.255
Spaces:	.250, .406, .562, .718, .874, 1.030, 1.186	8-.241
Cuts are read and written tip to bow.		9-.227
		0-.213

Mfgr:	Corbin	Depths
Series:	GH & Kwikset	1-.328
Blank:	1176	2-.305
Cuts Start at:	.247	3-.282
Spacing:	.150	4-.259
Block #:	2	5-.236
Incr:	.023	6-.213
No of Spaces:	5	7-.190
Spaces:	.247, .397, .547, .697, .847	

Mfgr: Corbin	Depths
Series: Key-in-Knob	1-.250
Blanks: 1000KC, etc. (Orig 26, 96, 861UB)	2-.236
Cuts Start at: .146	3-.222
Spacing: .125	4-.208
Block #: 1	5-.194
Incr: .014	6-.180
No of Spaces: 5	7-.166
Spaces: .146, .271, .396, .521, .646	8-.152
Use narrow side of vise.	9-.138
	0-.124

Mfgr: Corbin	Depths
Series: Wafer	
Blanks: Misc, see codes	
Cuts Start at: .156	1-.250
Spacing: .095	2-.235
Block #: 1	3-.220
Incr: .015	4-.205
No of Spaces: 5	5-.190
Spaces: .156, .251, .346, .441, .536	6-.170

Mfgr: Corbin	Depths
Series: Small Pin; 1F, etc.	0-.250
Cuts Start at: .146	1-.236
Spacing: .125	2-.222
Block #: 1	3-.208
Incr: .014	4-.194
No of Spaces: 4 or 5	5-.180
Spaces: .146, .271, .396, .521, .646	6-.166
Use narrow side of vise if #9 cut is used.	7-.152
	8-.138
	9-.124

Mfgr: Corbin CCL	
Series: Standard Disc; BGM, CAT, AUE, GEK, C, GL, L, etc.	
Blank: 1000V, S1000V, etc.	Depths
Cuts Start at: .156	0-.250
Spacing: .094	1-.219
Block #: 3	2-.188
Incr: .031	
No of Spaces: 6	
Spaces: .156, .250, .344, .438, .532, .626	
Reed: 01-04-015, 05-01-040.	

	Depths
Mfgr: Corbin CCL	
Series: Large Pin Standard; 2A, 2C, 2H, L2A, L2C, L2H	0-.332
Blank: 1000DA	1-.320
Cuts Start at: .219	2-.307
Spacing: .156	3-.293
Block #: 1	4-.280
Incr: Var.	5-.267
No of Spaces: 6	6-.252
Spaces: .219, .375, .531, .687, .843, .999	7-.238 8-.224 9-.209

	Depths
Mfgr: Corbin CCL	
Series: Old; B4R, B7R, B, C, LB4R, LB7R, 12B	0-.281
Blanks: Misc, see codes.	1-.268
Cuts Start at: .172	2-.256
Spacing: .125	3-.243
Block #: 1	4-.231
Incr: .0125	5-.218
No of Spaces: 7	6-.206
Spaces: .172, .297, .422, .547, .672, .797, .922	7-.193 8-.181 9-.168

	Depths
Mfgr: Corbin CCL	
Series: 4R; SEJ, SE, BAZ; GBP1-2900; HMH1-200; JP1-250; JT1-200; LF, LP, LK, LS, etc.	0-.277
Blanks: 1000F, 1000G	1-.265
Cuts Start at: .172	2-.252
Spacing: .125	3-.238
Block #: 1	4-.225
Incr: Var.	5-.212
No of Spaces: 7	6-.197
Spaces: .172, .297, .422, .547, .672, .797, .922	7-.183
Reed: 01-04-025, 033, 039, 040, 042, 043, etc.	8-.169
This chart covers over 40 series.	

	Depths
Mfgr: Corbin CCL	
Series: Small Disc; BOK1-180; OM & DAK	
Blank: 1001K	
Cuts Start at: .125	0-.202
Spacing: .094	1-.182
Block #: 3	2-.162
Incr: .020	3-.142
No of Spaces: 5	
Spaces: .125, .219, .313, .407, .501	

Mfgr:	Corbin CCL	Depths
Series:	Baby X & U	0-.196
Blank:	4196A (original)	1-.188
Cuts Start at:	.172	2-.174
Spacing:	.125	3-.161
Block #:	1	4-.146
Incr:	Var.	5-.132
No of Spaces:	5	6-.119
Spaces:	.172, .297, .422, .547, .672	7-.106
		8-.093
Mfgr:	Corbin CCL	Depths
Series:	New Small Pin, B4R; 4T, 5T, 6T, 7T	0-.276
Blanks:	1003A, etc.	1-.263
Cuts Start at:	.172	2-.251
Spacing:	.125	3-.238
Block #:	1	4-.226
Incr:	.0125	5-.213
No of Spaces:	7	6-.201
Spaces:	.172, .297, .422, .547, .672, .797, .922	7-.188
		8-.176
		9-.163
Mfgr:	Corbin CCL	Depths
Series:	Large Pin Mail Box	0-.332
Blanks:	4195C (Orig), etc.	1-.320
Cuts Start at:	.259	2-.307
Spacing:	.125	3-.293
Block #:	1	4-.280
Incr:	Var.	5-.267
No of Spaces:	6	6-.252
Spaces:	.259, .415, .571, .727, .883, 1.039	7-.238
		8-.224
		9-.209
Mfgr:	Corbin CCL	Depths
Series:	Large Pin, Close Spacing	0-.332
Blanks:	4192C, 4193C, 4195C (Orig)	1-.320
Cuts Start at:	.172	2-.307
Spacing:	.125	3-.293
Block #:	1	4-.280
Incr:	Var.	5-.267
No of Spaces:	6	6-.252
Spaces:	.172, .297, .422, .547, .672, .797	7-.238
		8-.224
		9-.209

Mfgr:	Corbin CCL	Depths
Series:	BV Push Key	0-.281
Blank:	8505 (Orig)	1-.269
Cuts Start at:	.375	2-.256
Spacing:	.156	3-.242
Block #:	1	4-.229
Incr:	Var.	5-.216
No of Spaces:	4	6-.201
Spaces:	.375, .531, .687, .843	7-.187 8-.173 9-.158

Mfgr:	Corbin CCL	Depths
Series:	BZ Push Key	0-.281
Blank:	8503 (Orig)	1-.269
Cuts Start at:	.172	2-.256
Spacing:	.125	3-.242
Block #:	1	4-.229
Incr:	Var.	5-.216
No of Spaces:	4	6-.201
Spaces:	.172, .297, .422, .547	7-.187 8-.173 9-.158

Mfgr:	Corbin CCL	Depths
Series:	BU Baby Pin	0-.196
Blanks:	See Codes	1-.188
Cuts Start at:	.219	2-.174
Spacing:	.125	3-.161
Block #:	1	4-.146
Incr:	Var.	5-.132
No of Spaces:	5	6-.119
Spaces:	.219, .344, .469, .594, .719	7-.106 8-.093

Mfgr:	Corbin CCL	Depths
Series:	E Small Pin	0-.249
Blanks:	See Codes	1-.237
Cuts Start at:	.172	2-.223
Spacing:	.125	3-.210
Block #:	1	4-.196
Incr:	Var.	5-.181
No of Spaces:	5	6-.167
Spaces:	.172, .297, .422, .547, .672	7-.152 8-.143

For Canadian Corbin Russwin charts contact:

Corbin Russwin Canada
 3160 Orlando Drive
 Mississauga, Ontario L4V 1R5
 (800) 461-3007 Fax: (800) 461-8989

Mfgr:	Craftsman	Depths
Series:	Key-in-Knob	0-.323
Blank:	1096CN	1-.305
Cuts Start at:	.160	2-.287
Spacing:	.156	3-.269
Block #:	1	4-.251
Incr:	.018	5-.233
No of Spaces:	5	6-.215
Spaces:	.160, .316, .472, .628, .784	7-.197 8-.179 9-.161

Mfgr:	Craftsman	Depths
Series:	DL	
Blank:	C1096LN	
Cuts Start at:	.255	1-.272
Spacing:	.140	2-.257
Block #:	1	3-.242
Incr:	.015	4-.227
No of Spaces:	5	5-.212
Spaces:	.255, .395, .535, .675, .815	

Mfgr:	Craftsman	Depths
Series:	KE & T	0-.318
Blank:	C1096CN	1-.300
Cuts Start at:	.275	2-.282
Spacing:	.155	3-.264
Block #:	2	4-.246
Incr:	.018	5-.228
No of Spaces:	5	6-.210
Spaces:	.275, .430, .585, .740, .895	7-.192 8-.174 9-.156

	Depths
Mfgr: Craftsman	0-.310
Series: Pin Tumbler	1-.297
Blank: 1096NL	2-.284
Cuts Start at: .240	3-.271
Spacing: .115	4-.258
Block #: 3	5-.245
Incr: .013	6-.232
No of Spaces: 5	7-.219
Spaces: .240, .395, .550, .705, .860	8-.206
	9-.193

Mfgr: Craftsman Toolbox
 Series: LL1H-LL225H; LL1W-LL226W; LL1-900; W
 Blank: 1096EN, 1041T, etc.
 Cuts Start at: .139
 Spacing: .093
 Block #: 1
 Incr: .030
 No of Spaces: 5
 Spaces: .139, .232, .325, .418, .511
 Reed: 01-03-010

Mfgr: Craftsman Toolbox
 Series: MM101-150
 Blank: L1054B, 01122, etc.
 Cuts Start at: .125
 Spacing: .097
 Block #: 5
 Incr: .020
 No of Spaces: 5
 Spaces: .125, .222, .319, .416, .513
 Reed: 06-02-042

	Depths
1-.250	2-.230
3-.210	4-.190
5-.170	X-.220

Mfgr: Cutler Letterbox
 Series: 6400-14000
 Blank: 1181C
 Cuts Start at: .280
 Spacing: .156
 Block #: 1
 Incr: .020
 No of Spaces: 5
 Spaces: .280, .436, .592, .748, .904
 Reed: 06-04-051

	Depths
1-.325	2-.305
3-.285	4-.265
5-.245	6-.225
7-.205	8-.185
	9-.165

Mfgr: Dabota

Series: H

Models: Minibus

Blanks:	1540	Depths
Cuts Start at:	.098	1-.270
Spacing:	.095	2-.250
Block #:	1	3-.230
Incr:	.020	4-.210
No of Spaces:	5	
Spaces:	.098, .193, .288, .383, .478	

Mfgr: Daihatsu

Series: D0001-2000

Models: Charade, Rocky, Sport Track

Blank:	X174	Depths
Cuts Start at:	.098	1-.325
Spacing:	.083	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242
No of Spaces:	8	
Spaces:	.098, .181, .264, .346, .429, .512, .594, .677	
Reed:	09-02-147. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Daihatsu

Series: K0001-9000

Blank:	T61C, X137	Depths
Cuts Start at:	.098	1-.217
Spacing:	.0985	2-.236
Block #:	5	3-.256
Incr:	.0197	4-.276
No of Spaces:	6	
Spaces:	.098, .197, .296, .394, .492, .591	
Reed:	Volumes 3, 6 and 8. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Datsun: See Nissan

Mfgr: De Lorean
 Series: WR5000-5999

Blank:	X169	Depths
Cuts Start at:	.063 Short, .130 Long	1-.325
Spacing:	.067	2-.299
Incr:	.0257	3-.274
No of Spaces:	10	4-.248
Spaces:		
Short:	.063, .130, .197, .264, .331, .398, .465, .532, .598, .665	
Long:	.130, .197, .264, .331, .398, .465, .532, .598, .665, .732	
Reed:	09-02-158. Bitting is double, different both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: De Lorean
 Series: 7001-9000

Blanks:	X29	Depths
Cuts Start at:	.098	1-.298
Spacing:	Var.	2-.275
Block #:	N/A	3-.252
Incr:	.023	4-.229
No of Spaces:	10	
Spaces:	.098 .185 .272 .359 .446 .533 .628 .678 .778 .823	
Reed:	05-02-403. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Detex - Fort
 Series: DT11-30

Blank:	L1054B	Depths
Cuts Start at:	.130	1-.250
Spacing:	.095	2-.235
Block #:	1	4-.205
Incr:	Var.	
No of Spaces:	5	
Spaces:	.130, .225, .320, .415, .510	
Reed:	08-05-003	

Mfgr: Dexter	Depths
Series: Old Pre 69	0-.325
Blank: D1054K, etc.	1-.305
Cuts Start at: .216	2-.285
Spacing: .155	3-.265
Block #: 2	4-.245
Incr: .020	5-.225
No of Spaces: 5 or 6	6-.205
Spaces: .216, .371, .526, .681, .836, .991	7-.185

Mfgr: Dexter	Depths
Series: New After 69	0-.320
Blank: D1054K, etc.	1-.305
Cuts Start at: .216	2-.290
Spacing: .155	3-.275
Block #: 2	4-.260
Incr: .015	5-.245
No of Spaces: 5 or 6	6-.230
Spaces: .216, .371, .526, .681, .836, .991	7-.215 8-.200 9-.185

Mfgr: Dexter	Depths
Series: Close Pin	0-.325
Blank: 1054KD	1-.305
Cuts Start at: .180	2-.285
Spacing: .125	3-.265
Block #: 1	4-.245
Incr: .020	5-.225
No of Spaces: 5	6-.205
Spaces: .180, .305, .430, .555, .680	7-.185

Mfgr: Dexter	
Series: Wafer	
Blank: D1098X	Depths
Cuts Start at: .150	1-.248
Spacing: .093	2-.232
Block #: 1	3-.216
Incr: .016	4-.200
No of Spaces: 5	5-.184
Spaces: .150, .243, .336, .429, .522	

Mfgr: Diamond Reo

Series: H601-1100

Models: Trucks

Blank: 1098M, 1098X

Depths

1-.250

Cuts Start at: .150

2-.235

Spacing: .093

3-.220

Block #: 1

4-.205

Incr: .015

5-.190

No of Spaces: 5

Spaces: .150, .243, .336, .429, .522

Reed: 01-02-023.

Mfgr: DKW

Series: 1-67135

Blank: 63

Depths

1-.263

Cuts Start at: .155

2-.248

Spacing: .095

3-.233

Block #: 1

4-.218

Incr: .015

No of Spaces: 4

Spaces: .155, .250, .345, .440

Dodge: See Chrysler for old model series.

Mfgr: Dodge

Series: AM0001-1000

Model: Monaco

Blank: X175

Depths

1-.324

Cuts Start at: .354

2-.299

Spacing: .083

3-.274

Block #: 5

4-.250

Incr: .025

No of Spaces: 9

Spaces: .354, .437, .520, .602, .685, .768, .850, .933, 1.016

Reed: 09-02-169. Bitting is double, same both sides.

Mfgr: Dodge

Series: E5001-7000

Models: Colt, Stealth, Vista Wagon

Blank:	X176	Depths
Cuts Start at:	.098	1-.242
Spacing:	.083	2-.270
Block #:	5	3-.297
Incr:	.0277	4-.325

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-280. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Dodge

Series: E7001-7700

Models: Colt, Stealth, Vista Wagon

Blank:	X176	Depths
Cuts Start at:	.098	1-.325
Spacing:	.083	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, ..594, .677

Reed: 10-02-106. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Dodge

Series: ES & EP1-3000

Blanks:	P1786, S1770U, etc.	Depths
Cuts Start at:	.146	1-.246
Spacing:	.140	2-.226
Block #:	1	3-.206
Incr:	.020	4-.186
Spacing:	.146, .286, .426, .566, .706	5-.166
Reed:	02-06-229.	6-.146

Mfgr: Dodge

Series: F & G0000-1394

Models: Caravan, Spirit, Viper, etc.

Blanks:	P1789, P1789P	Depths
Cuts Start at:	.144	1-.340
Spacing:	.092	2-.315
Block #:	3	3-.290
Incr:	.025	4-.265

No of Spaces: 7

Spaces: .144, .236, .328, .420, .512, .604, .696

Reed: 09-04-009, 10-04-001. Bitting is double, same both sides. Use Ford 5 pin spacing clip. Set starting cut at .144 (first cut from bow). See cutting procedure on page 33.

Mfgr: Dodge

Series: H0001-5143

Models: Challenger, Colt, Raider, Vista, etc.

Blanks:	X121, X54	Depths
Cuts Start at:	.098	1-.276
Spacing:	.0985	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 03-05-169, 172, 175, 06-01-071. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Dodge

Series: J0001-3580; L0001-3580

Models: Caravan, Intrepid, Neon, Spirit, Viper, etc.

Blanks:	P1793, 1793V, P1794, 1794V	Depths
Cuts Start at:	.051	1-.340
Spacing:	.092	2-.315
Block #:	3	3-.290
Incr:	.025	4-.265

No of Spaces: 7

Spaces: .051, .143, .235, .327, .419, .511, .603

Reed: 11-05-001 & 016. Bitting is double, same both sides.

Use Ford 5 pin spacing clip, set starting cut at .051 (first cut from bow). See cutting procedure on page 33.

Mfgr: Dodge
Series: K & L1-1000
Model: Ram Charger

Blank:	1970AM, S1970AM	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.225
Block #:	1	3-.200
Incr:	.025	4-.175
No of Spaces:	5	5-.150
Spaces: .150, .243, .336, .429, .522		
Reed: 01-02-211.		

Mfgr: Dodge
Series: 2700-4816 + any letter A-Z
Models: Monaco

Blank:	X122	Depths
Cuts Start at:	.189	1-.287
Spacing:	.0985	2-.264
Block #:	5	3-.240
Incr:	.0233	4-.217
No of Spaces:	6	
Spaces: .189, .287, .386, .484, .583, .681		
Reed: 08-02-178. Bitting is double, same both sides.		

Mfgr: Dodge
Series: 30010-32009
Models: Colt, Vista

Blanks:	X224, X229(V)	Depths
Cuts Start at:	.098	1-.315
Spacing:	.083	2-.299
Block #:	5	3-.283
Incr:	.0157	4-.268
No of Spaces:	8	5-.252
Spaces: .098, .181, .264, .346, .429, .512, .594, .677		
Reed: 11-02-031. Bitting is double, same both sides.		

Mfgr: Dom Cabinet Locks

Series: 2C0001-2C2600

Blank: DM21

Depths

Cuts Start at: .126

1-.264

Spacing: .098

2-.248

Block #: 3

3-.232

Incr: .016

4-.217

No of Spaces: 5

5-.201

Spaces: .126, .224, .322, .420, .518

6-.185

Reed: 08-01-001

7-.169

Mfgr: Dom

Series: 80133-80600; 80761-82917

Blanks: 64D, 64RD, etc.

Depths

Cuts Start at: .124

1-.252

Spacing: .100

2-.236

Block #: 3

3-.220

Incr: .016

4-.204

No of Spaces: 4

5-.188

Spaces: .124, .224, .324, .424

Reed: 08-01-012

Mfgr: Dom

Series: Large Pin

Depths

Blanks: See Codes

0-.315

Cuts Start at: .181

1-.295

Spacing: .1615

2-.276

Block #: N/A

3-.256

Incr: .0196

4-.236

No of Spaces: 5

5-.216

Spaces: .181, .343, .504, .665, .827

6-.197

7-.177

8-.157

9-.138

Mfgr: Dominion

Series: L1001-4765

Blank: 752

Depths

Cuts Start at: .125

1-.300

Spacing: .093

2-.284

Block #: 1

3-.268

Incr: .016

4-.252

No of spaces: 5

Spaces: .125, .218, .311, .404, .497

Reed: 09-01-017. Bitting is double, same both sides.

Mfgr: Dominion
 Series: L1001-4765
 Blank: 750
 Cuts Start at: .125
 Spacing: .093
 Block #: 1
 Incr: .020
 No of Spaces 3 each side.
 Spaces: .125, .218, .311
 Reed: 09-01-001. Bitting is double, different cuts each side.

Mfgr: Dominion
Series: 501-700
Blank: 1054G Depths
Cuts Start at: .125 1-.250
Spacing: .094 3-.220
Block #: 3 5-.190
Incr: .030
No of Spaces: 5
Spaces: .125, .219, .313, .407, .501
Reed: 09-01-033

Mfgr: Dominion	Depths
Series: Cylinder Locks	0-.325
Blanks: H1054F, L1054F, etc.	1-.310
Cuts Start at: .280	2-.295
Spacing: .156	3-.280
Block #: 1	4-.265
Incr: .015	5-.250
No of Spaces: 5	6-.235
Spaces: .280, .436, .592, .748, .904	7-.220

Mfgr: Donner	Depths
Series: Lockset	0-.329
Blank: 1176	1-.315
Cuts Start at: .225	2-.301
Spacing: .155	3-.287
Block #: 2	4-.273
Incr: .014	5-.259
No of Spaces: 5	6-.245
Spaces: .225, .380, .535, .690, .845	7-.231 8-.217 9-.203

Mfgr: Donner

Series: L-1 Padlocks	Depths
Blank: 1092	0-.281
Cuts Start at: .123	1-.271
Spacing: .135	2-.251
Block #: 2	3-.231
Incr: .020	4-.211
No of Spaces: 5	5-.191
Spaces: .123, .258, .393, .528, .663	6-.185

Mfgr: Duro Steel

Series: DA1-125; KN001-158	Depths
Blanks: O1122, L1054B, etc.	
Cuts Start at: .125	1-.250
Spacing: .095	2-.230
Block #: 1	3-.210
Incr: .020	4-.190
No of Spaces: 4	5-.170
Spaces: .125, .220, .315, .410	
Reed: 02-04-015, 06-04-052.	

Mfgr: Eagle

Series: A36A, A42GX, etc.	Depths
Blank: 1014J, 1014JS, etc.	
Cuts Start at: .155	1-.240
Spacing: .093	2-.225
Block #: 1	3-.210
Incr: .015	4-.195
No of Spaces: 4 or 5	5-.180
Spaces: .155, .248, .341, .434, .527	

Mfgr: Eagle

Series: Large Pin	Depths
Blanks: 1014A, X1014F, etc.	
Cuts Start at: .216	1-.320
Spacing: .155	2-.302
Block #: 2	3-.284
Incr: .018	4-.266
No of Spaces: 5	5-.248
Spaces: .216, .371, .526, .681, .836	6-.230
	7-.212
	8-.194
	9-.176
	0-.158

Mfgr: Eagle	Depths
Series: Small Pin, Long Space	1-.276
Blank: 1014DX, 1014K, etc.	2-.258
Cuts Start at: .208	3-.240
Spacing: .155	4-.222
Block #: 2	5-.204
Incr: .018	6-.186
No of Spaces: 4	7-.168
Spaces: .208, .363, .518, .673	8-.150
Use narrow side of vise.	9-.132

Mfgr: Eagle	Depths
Series: Keystone Files; Small Pin, Short Space	1-.276
Blank: 1014JM, 1014D, etc.	2-.258
Cuts Start at: .173	3-.240
Spacing: .125	4-.222
Block #: 1	5-.204
Incr: .018	6-.186
No of Spaces: 4	7-.168
Spaces: .173, .298, .423, .548	8-.150
Use narrow side of vise.	9-.132

Mfgr: Eagle	Depths
Series: Steel Files	1-.207
Blank: 1014 Short	2-.289
Cuts Start at: .156	3-.271
Spacing: .125	4-.253
Block #: 1	5-.235
Incr: .018	6-.217
No of Spaces: 5	7-.199
Spaces: .156, .281, .406, .531, .656	8-.181
	9-.163

Mfgr: Eagle	Depths
Series: Disc	0-.314
Blank: 1013	1-.296
Cuts Start at: .367	2-.278
Spacing: .165	3-.260
Block #: 2	4-.242
Incr: .018	5-.224
No of Spaces: 5	6-.206
Spaces: .367, .532, .697, .862, 1.027	7-.188
	8-.170
	9-.152

Mfgr: Eagle

Series: AM0001-1000

Models: Premier

Blank:	X175	Depths
Cuts Start at:	.354	1-.324
Spacing:	.083	2-.299
Block #:	5	3-.274
Incr:	.025	4-.250

No of Spaces: 9

Spaces: .354, .437, .520, .602, .685, .768, .850, .933, 1.016

Reed: 09-02-169. Bitting is double, same both sides.

Mfgr: Eagle

Series: E5001-7000

Models: Summit, Talon

Blanks:	X176, X213	Depths
Cuts Start at:	.098	1-.242
Spacing:	.083	2-.270
Block #:	5	3-.297
Incr:	.0277	4-.325

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-280. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Eagle

Series: E7001-7700

Models: Summit, Talon

Blank:	X176, X213	Depths
Cuts Start at:	.098	1-.325
Spacing:	.083	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 10-02-106. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Eagle

Series: J0001-3580; L0001-3580

Model: Vision

Blanks:	P1793, 1793V, P1794, 1794V	Depths
Cuts Start at:	.051	1-.340
Spacing:	.092	2-.315
Block #:	3	3-.290
Incr:	.025	4-.265

No of Spaces: 7

Spaces: .051, .143, .235, .327, .419, .511, .603

Reed: 11-05-001 & 016. Bitting is double, same both sides.

Use Ford 5 pin spacing clip, set starting cut at .051 (first cut from bow). See cutting procedure on page 33.

Mfgr: Eagle

Series: M, N, P, R, S: (1-9,M), N, P, R, S:A-Z

Model: Medallion Ex: 1MNP RSSA or M9MNPRSZ

Blank:	**BE CAREFUL** X147 **BE CAREFUL**	Depths
Cuts Start at:	.094	S-.299
Spacing:	.104	R-.278
Block #:	4	P-.258
Incr:	Var.	N-.236
No of Spaces:	6	M-.217

Spaces: .094, .198, .302, .406, .510, .614

Reed: 08-02-122, 09-02-317. Bitting is double, same both sides.

****CORRECT BLANK MUST BE USED:**

X147 IS SLOTTED, X171 IS NOT!!!

If deep cut is found in first position, cut an S cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Eagle

Series: M, N, P, R, S: M, N, 1-9, P, R, S:A-Z

Models: Medallion Ex: MN1PRSSA or MM9PRSZ

Blank:	**BE CAREFUL** X171 **BE CAREFUL**	Depths
Cuts Start at:	.094	S-.299
Spacing:	.104	R-.278
Block #:	4	P-.258
Incr:	Var.	N-.236
No of Spaces:	6	M-.217

Spaces: .094, .198, .302, .406, .510, .614

Reed: 08-02-122, 09-02-317. Bitting is double, same both sides.

****CORRECT BLANK MUST BE USED:**

X147 IS SLOTTED, X171 IS NOT!!!

If deep cut is found in first position, cut an S cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Eagle

Series: 2700-4816 + any letter A-Z

Models: Medallion, Premier

Blank: X122

Depths

Cuts Start at: .189

1-.287

Spacing: .0985

2-.264

Block #: 5

3-.240

Incr: .0233

4-.217

No of Spaces: 6

Spaces: .189, .287, .386, .484, .583, .681

Reed: 08-02-178. Bitting is double, same both sides.

Mfgr: Eagle

Series: 30010-32009

Model: Summit

Blanks: X224 & X229(V)

Depths

Cuts Start at: .098

1-.315

Spacing: .083

2-.299

Block #: 5

3-.283

Incr: .0157

4-.268

No of Spaces: 8

5-.252

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 11-02-031. Bitting is double, same both sides.

Mfgr: Elgin

Series: DL

Blank: C1096LN, etc.

Depths

Cuts Start at: .255

1-.272

Spacing: .139

2-.257

Block #: N/A

3-.242

Incr: .015

4-.227

No of Spaces: 5

5-.212

Spaces: .255, .394, .533, .672, .811

Mfgr: Elgin

Depths

Series: KE

0-.318

Blank: L1096CN, etc.

1-.300

Cuts Start at: .280

2-.282

Spacing: .155

3-.264

Block #: 2

4-.246

Incr: .018

5-.228

No of Spaces: 5 or 6

6-.210

Spaces: .280, .435, .590, .745, .900, 1.055

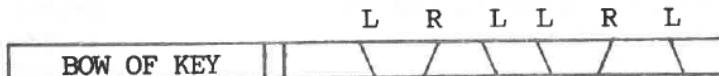
7-.192

Mfgr: Emhart	Framon Depths
Series: System 70	1-.329
Blanks: All	2-.301
Cuts Start at: .250	3-.273
Spacing: .156	4-.245
Block #: 1	5-.217
Incr: .028	5.5-.203
No of Spaces: 5 or 6	6-.189
Spaces: .250, .406, .562, .718, .874, 1.030	
Use FC8612 (old # CC-001) cutter.	

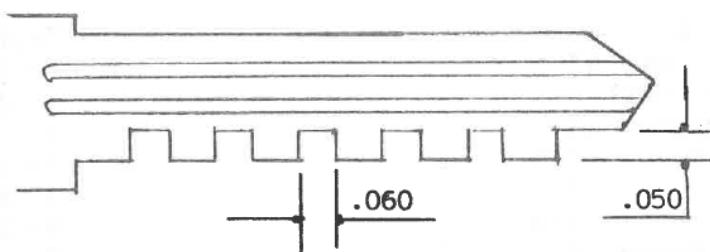
Use Framon depths for cutting.	Factory Depths
Factory depths are for decoding only.	1-.333
	2-.305
	3-.277
	4-.249
	5-.221
	5.5-.207
	6-.193

Keys must be decoded as to depth and angle of cut. By holding bow of key in left hand and blade of key facing you, angles will be straight across, left or right.

Do not use bottom shoulder to start spacing. Spacing is critical. Start spacing from top shoulder only.



Ward cuts are .060 wide and .050 deep. Use same spacing as blade of key.



	Depths
Mfgr: ESP	0-.282
Series: AM001-1000	1-.264
Blank: 1503	2-.246
Cuts Start at: .191	3-.228
Spacing: .125	4-.210
Block #: 1	5-.192
Incr: .018	6-.174
No of Spaces: 5	
Spaces: .191, .316, .441, .566, .691	

	Depths
Mfgr: ESP	0-.290
Series: C001-1000	1-.272
Blank: 1503	2-.254
Cuts Start at: .187	3-.236
Spacing: .125	4-.218
Block #: 1	5-.200
Incr: .018	6-.182
No of Spaces: 5	
Spaces: .187, .312, .437, .562, .687	

	Depths
Mfgr: ESP	
Series: CL, ES & IN101-223; EA101-125; ES40-50; KA301-350; LL226-425; M1-165; M101-200; MA301-700; MD101-122; N226-361; W1-740; W801-970	
Blanks: 01122, L1054B, 1502M, etc.	0-.290
Cuts Start at: .125	1-.272
Spacing: .097	2-.254
Block #: 5	3-.236
Incr: .020	4-.218
No of Spaces: 5	5-.200
Spaces: .125, .222, .319, .416, .513	6-.182

	Depths
Mfgr: ESP	
Series: H1-787	
Blank: 1503	0-.290
Cuts Start at: .191	1-.272
Spacing: .125	2-.254
Block #: 1	3-.236
Incr: .018	4-.218
No of Spaces: 5	5-.200
Spaces: .191, .316, .441, .566, .691	6-.182

Mfgr: Evinrude, Johnson

Series: 1-35

Blank: OM10

Depths

1- .250

Cuts Start at: .140

2- .230

Spacing: .095

3- .210

Block #: 1

4- .190

Incr: .020

5- .170

No of Spaces: 4

Spaces: .140, .235, .330, .425

Mfgr: Evinrude, Johnson

Series: 1

Blank: JE1

Depths

1- .250

Cuts Start at: .125

2- .230

Spacing: .095

3- .210

Block #: 1

4- .190

Incr: .020

5- .170

No of Spaces: 4

Spaces: .125, .220, .315, .410

Mfgr: Evinrude, Johnson

Series: 51-67

Blank: 1098X

Depths

1- .249

Cuts Start at: .125

2- .217

Spacing: .095

3- .185

Block #: 1

Incr: .032

No of Spaces: 5

Spaces: .125, .220, .315, .410, .505

Mfgr: EVA

Depths

1- .340

Series: F

2- .320

Blanks: 62VE, etc.

3- .300

Cuts Start at: .200

4- .280

Spacing: .160

5- .260

Block #: 2

6- .240

Incr: .020

7- .220

No of Spaces: 5

8- .200

Spaces: .200, .360, .520, .680, .840

9- .180

0- .160

Mfgr: Falcon	Depths
Series: A, E, M, R, S, X	0-.315
Blank: 1054WB	1-.297
Cuts Start at: .237, top shoulder	2-.279
Spacing: .156	3-.261
Block #: 1	4-.243
Incr: .018	5-.225
No of Spaces: 5 or 6	6-.207
Spaces: .237, .393, .549, .705, .861, 1.017	7-.189
Read tip to bow.	8-.171
	9-.153

Mfgr: Falcon	Depths
Series: Removable Core	0-.318
Blanks: 1114, etc.	1-.305
Cuts Start at: 6 pin = .250, 7 pin = .100	2-.293
Spacing: .150	3-.280
Block #: 2	4-.268
Incr: .0125	5-.255
No of Spaces: 6 or 7	6-.243
Use narrow side of vise. Use BEST spacing clip at left side and between jaws of vise. Set blank offset against clip and tighten vise. Set spacing dial at .100 for 7 pin keys or .250 for 6 pin keys.	7-.230
See cutting procedure on page 33.	8-.218
	9-.205

Mfgr: Ferrari	
Series: A0501-3278	
Blank: X109	Depths
Cuts Start at: .146	0-.272
Spacing: .104	9-.260
Block #: 4	8-.240
Incr: .020	4-.220
No of Spaces: 5	6-.200
Spaces: .146, .250, .354, .459, .563	
Reed: 05-02-008.	

Mfgr: Ferrari

Series: A11111-55555

Models: F40, 328, etc.

Blanks:	H61VR	Depths
Cuts Start at:	.150	1-.217
Spacing:	.130	2-.236
Block #:	2	3-.256
Incr:	.0197	4-.276
No of Spaces:	5	5-.285
Spaces:	.150, .280, .410, .540, .670	
Reed:	06-01-235.	

Mfgr: Ferrari

Series: K3301-4886

Models: Testarossa, 348, etc.

Blanks:	X152	Depths
Cuts Start at:	.146	0-.291
Spacing:	.104	9-.272
Block #:	4	8-.252
Incr:	.0196	4-.232
No of Spaces:	6	6-.213
Spaces:	.146, .250, .354, .458, .562, .666	
Reed:	07-03-001. Bitting is double, same both sides.	

Mfgr: Ferrari

Series: 1501-1900; 1901-2000; 3501-3900; 3901-4000

Blanks:	FT37, FT38	Depths
Cuts Start at:	.217	1-.272
Spacing:	.110	2-.240
Block #:	3	3-.209
Incr:	.0315	
No of Spaces:	6	
Spaces:	.217, .327, .437, .547, .657, .768	
Reed:	04-04-042, 05-02-151.	

Mfgr: Ferrari

Series: 2100-2309; 4100-4309; 6100-6309; 8100-8309

Blanks:	F91C2, F91C, F91CR, F91C8	Depths
Cuts Start at:	.221	1-.268
Spacing:	.0985	2-.244
Block #:	5	3-.220
Incr:	.025	
No of Spaces:	5	
Spaces:	.221, .320, .418, .517, .615	
Reed:	05-02-006. Bitting is double, same both sides.	

Mfgr: Fiat

Series: A, B, C & D1-125

Blank: F38, R63ST, AL3, F66C, 61E, F41, R61ST	Depths
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Cuts Start at: .165	1-.265
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Spacing: .100	3-.240
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Block #: 3	5-.215
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Incr: .025	
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No of Spaces: 5	
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Spaces: .165, .265, .365, .465, .565	
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Reed: 05-02-154. Bitting is double, same both sides.	
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Mfgr: Fiat

Series: A & B1-727; 27001-27727; 28001-28727

Blank: YR62	Depths
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Cuts Start at: .160	1-.276
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Spacing: .104	2-.236
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Block #: 4	3-.196
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Incr: .040	4-.156
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No of Spaces: 5	
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Spaces: .160, .264, .368, .472, .576	
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Reed: 07-03-148	
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Mfgr: Fiat

Series: A, S & D115-399 & 515-899; D & S615-899

Blanks: See Codes	Depths
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Cuts Start at: .450	1-.275
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Spacing: .093	2-.250
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Block #: 1	3-.225
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Incr: .025	
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No of Spaces: 5	
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Spaces: .450, .543, .636, .729, .822	
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Reed: 05-02-022	
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Bitting is double, same both sides. Run out last cut both sides.	
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Mfgr: Fiat

Series: A0501-3278; A+5 Digits (0-9-8-4-6)

Blank: X109	Depths
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Cuts Start at: .146	0-.272
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Spacing: .104	9-.260
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Block #: 4	8-.240
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Incr: .020	4-.220
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No of Spaces: 5	6-.200
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Spaces: .146, .250, .354, .459, .563	
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Reed: 05-02-008 & 021.	
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Mfgr: Fiat
 Series: B00000-66666
 Blank: NE13 Depths
 Cuts Start at: .140 0-.272
 Spacing: .105 9-.262
 Block #: 3 8-.242
 Incr: Var. 4-.222
 No of Spaces: 5 6-.202
 Spaces: .140, .245, .350, .455, .560
 Reed: 07-03-153

Mfgr: Fiat
 Series: E, F, G & H1-78
 Blanks: R63SP, 63SP, F91G, F91H Depths
 Cuts Start at: .390 1-.265
 Spacing: .110 2-.240
 Block #: 3 3-.215
 Incr: .025
 No of Spaces: 4
 Spaces: .390, .500, .610, .720
 Reed: 05-02-156.

Mfgr: Fiat
 Series: FR1-2000; FR4001-6000
 Blank: FT6R Depths
 Cuts Start at: .158 0-.266
 Spacing: .138 1-.246
 Block #: 2 2-.226
 Incr: .020 3-.206
 No of Spaces: 5 4-.186
 Spaces: .158, .296, .434, .572, .710 5-.166
 Reed: 05-02-158.

Mfgr: Fiat
 Series: G2001-3000
 Blanks: X167 Depths
 Cuts Start at: .220 1-.299
 Spacing: .110 2-.272
 Block #: 3 3-.244
 Incr: .0275 4-.217
 No of Spaces: 6
 Spaces: .220, .330, .440, .550, .660, .770
 Reed: 10-02-001. Bitting is double, same both sides.

Mfgr: Fiat
 Series: J3001-6732
 Blanks: See Codes Depths
 Cuts Start at: .145 1-.313
 Spacing: .090 2-.286
 Block #: 3 3-.258
 Incr: .0275 4-.231
 No of Spaces: 7
 Spaces: .145, .235, .325, .415, .505, .595, .685
 Reed: 10-02-007. Bitting is double, same both sides.

Mfgr: Fiat
 Series: K3301-4886
 Models: Strada, etc.
 Blanks: X152 Depths
 Cuts Start at: .146 0-.291
 Spacing: .104 9-.272
 Block #: 4 8-.252
 Incr: .0196 4-.232
 No of Spaces: 6 6-.213
 Spaces: .146, .250, .354, .458, .562, .666
 Reed: 07-03-001. Bitting is double, same both sides.

Mfgr: Fiat
 Series: R6001-6500; 6001R-6500R
 Blanks: WS2, WS1 Depths
 Cuts Start at: .115 1-.292
 Spacing: .120 2-.260
 Block #: 2 3-.230
 Incr: Var. 4-.210
 No of Spaces: 5 5-.190
 Spaces: .115, .235, .355, .475, .595
 Reed: 08-02-061

Mfgr: Fiat
 Series: R7001-7500; 7001R-7500R
 Blanks: WS3, WS4 Depths
 Cuts Start at: .115 1-.292
 Spacing: .120 2-.260
 Block #: 2 3-.230
 Incr: Var. 4-.210
 No of Spaces: 6 5-.190
 Spaces: .115, .235, .355, .475, .595 .715
 Reed: 08-02-064

Mfgr: Fiat
 Series: X3301-4886
 Models: Strada, etc.

Blank:	X109	Depths
Cuts Start at:	.146	0-.272
Spacing:	.104	9-.260
Block #:	4	8-.240
Incr:	.020	4-.220
No of Spaces:	6	6-.200
Spaces: .146, .250, .354, .459, .563, .667		
Reed: 07-03-001.		

Mfgr: Fiat
 Series: Y7001-9956
 Blanks: X113
 Cuts Start at: .189
 Spacing: .122
 Block #: N/A
 Incr: .0277
 No of Spaces: 6
 Spaces: .189, .311, .433, .555, .677, .799
 Reed: 07-03-178.

Mfgr: Fiat
 Series: 0001-1050
 Blank: D80K
 Cuts Start at: .142
 Spacing: .102
 Block #: 3
 Incr: .020
 No of Spaces: 5
 Spaces: .142, .244, .346, .448, .550
 Reed: 05-02-148.

Mfgr: Fiat
 Series: 1501-1900; 1901-2000; 3501-3900; 3901-4000
 Blanks: FT37, FT38
 Cuts Start at: .217
 Spacing: .110
 Block #: 3
 Incr: .0315
 No of Spaces: 6
 Spaces: .217, .327, .437, .547, .657, .768
 Reed: 04-04-042, 05-02-151.

Mfgr: Fiat

Series: 2100-2309; 4100-4309; 6100-6309; 8100-8309

Blanks:	F91C2, F91C, F91CR, F91C8	Depths
Cuts Start at:	.221	1-.268
Spacing:	.0985	2-.244
Block #:	5	3-.220
Incr:	.025	
No of Spaces:	5	
Spaces:	.221, .320, .418, .517, .615	
Reed:	05-02-006.	Bitting is double, same both sides.

Mfgr: Ford

Series: 101 A,B,C,D,E - 624

Model: Bronco, Crown Vic, Escort, LTD, Taurus, Tempo, T-bird, etc.

Blank:	1184FD, 1186TS, 1191ET, 1193FD, etc.	Depths
Cuts Start at:	.217	1-.352
Spacing:	.0925 (FD84)	2-.326
Block #:	1	3-.300
Incr:	.026	4-.274
No of Spaces:	10	5-.248
Spaces:	.217,.310,.402,.495,.587,.680,.772,.865,.957, 1.050	
Reed:	08-04-001.	Bitting is double, same both sides.
Use narrow side of vise. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33. For Australian Ford 6 cut, use 10 pin side of clip and start at .187.		

Mfgr: Ford

Series: B1001-2200

Model: Aspire

Blank:	X231	Depths
Cuts Start at:	.203	1-.323
Spacing:	.091	2-.297
Block #:	5	3-.272
Incr:	.0256	4-.246
No of Spaces:	10	
Spaces:	.203,.294,.385,.476,.567,.658,.749,.840, .931, 1.022	
Reed:	11-02-002.	Bitting is double, same both sides. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Ford

Series: E2001-3000

Model: Cargo

Blank:	X170	Depths
Cuts Start at:	.098	1-.299
Spacing:	Ster.	2-.275
Block #:	4	3-.251
Incr:	.024	4-.227
No of Spaces:	10	
Spaces:	.098,.185,.272,.359,.446,.533,.627,.677,.771,.821	
Reed:	10-02-023. Bitting is double, same both sides. Cuts 7 & 8 and 9 & 10 are double cuts. Each double chamber contains two wafers. Use #4 Block - Sterling spacing. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter. Correct blank must be used - 11th wafer is seated on tip of blank.	

Mfgr: Ford

Series: FA & FBO-1863

Models: Explorer, F Series Pickup, Mustang, Ranger, Van, etc.

Blank:	1167FD, S1167FD, 1181FD, S1181FD, etc.	Depths
Cuts Start at:	.100	1-.340
Spacing:	.150	2-.320
Block #:	2	3-.300
Incr:	.020	4-.280
No of Spaces:	5	5-.260

Spaces: .100, .250, .400, .550, .700

Reed: 01-06-045. Bitting is double, same both sides.

Use narrow side of vise. Use Ford 5 pin spacing clip and set starting cut at .100. See cutting procedure on page 33.

Mfgr: Ford (1935-1951)

Series: FD, FH, FJ, FK, FM, FV, FW, FX, FY, etc. 000-999

Blanks:	1125G, 1125H, 1125K, etc.	Depths
Cuts Start at:	.170	1-.195
Spacing:	.125	2-.175
Block #:	1	3-.155
Incr:	.020	4-.135
No of Spaces:	5	5-.115

Spaces: .170, .295, .420, .545, .670

Reed: 01-06-009, 025, 029. Use narrow side of vise.

Mfgr: Ford (1952-1964)

Series: FE, FL, FN & FZ000-999

Models: Mustang, etc.

Blanks:	1127DU, 1127DP, 1127ES, 1127MU, etc.	Depths
Cuts Start at:	.200 (some use .185)	1-.240
Spacing:	.125	2-.220
Block #:	1	3-.200
Incr:	.020	4-.180
No of Spaces:	5	5-.160
Spaces:	.200, .325, .450, .575, .700	
Reed:	01-06-041.	

Mfgr: Ford

Series: FT, FV & VM101-360; SF101-225

Models: Capri, Cargo

Blanks:	62FT, 62FD, 62FE	Depths
Cuts Start at:	.235	1-.290
Spacing:	.094	2-.260
Block #:	3	3-.230
Incr:	.030	
No of Spaces:	5	
Spaces:	.235, .329, .423, .517, .611	
Reed:	05-02-111, 06-01-060. Bitting is double, same both sides.	

Mfgr: Ford

Series: TC1-1000

Model: Fiesta

Blanks:	X86, X20	Depths
Cuts Start at:	.075	1-.320
Spacing:	*	2-.295
Block #:	N/A	3-.270
Incr:	Var.	4-.240

No of Spaces: 10

Spaces: 2 & 3, 5 & 6, 9 & 10 are double cuts.

* 1 2----3 4 5----6 7 8 9---10

.075 .164 .216 .310 .409 .461 .545 .645 .744 .796

Reed: 05-02-125. Bitting is double, same both sides.

Mfgr: Ford

Series: 0001X-1706X

Models: F-Series Pickup, Ranger, Taurus, etc.

Blanks: 1196FD, PATS, etc.

Depths

Cuts Start at: .405

1-.354

Spacing: .092

2-.329

Block #: 3

3-.304

Incr: .025

4-.279

No of Spaces: 8

5-.254

Spaces: .405, .497, .589, .681, .774, .866, .958, 1.060

Bitting is double, same both sides. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Ford

Series: TX1-1859

Models: Escort, Fiesta

Blanks:	X20, X86	Depths
Cuts Start at:	.075	1-.325
Spacing:	*	2-.301
Block #:	N/A	3-.278
Incr:	.024	4-.254

No of Spaces: 10

Spaces: 2 & 3, 5 & 6, 9 & 10 are double cuts.

* 1	2----3	4	5----6	7	8	9---10			
.075	.164	.216	.310	.409	.461	.545	.645	.744	.796

Reed: 06-01-074, 07-03-201. Bitting is double, same both sides.

Mfgr: Ford

Series: WR3000-3999

Model: Cargo

Blank:	X169	Depths
Cuts Start at:	.063 Short, .130 Long	1-.248
Spacing:	.067	2-.274
Incr:	.0257	3-.299
No of Spaces:	10	4-.325

Spaces:

Short: .063, .130, .197, .264, .331, .398, .465, .532, .598, .665

Long: .130, .197, .264, .331, .398, .465, .532, .598, .665, .732

Reed: 07-03-137. Bitting is double, different both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Ford

Series: 002-989

Model: Courier

Blank:	X36	Depths
Cuts Start at:	.175	1-.245
Spacing:	.110	2-.230
Block #:	3	3-.210
Incr:	Var.	4-.180

No of Spaces: 5

Spaces: .175, .285, .395, .505, .615

Reed: 06-01-130.

Mfgr: Ford
 Series: 1500-1999; 2000-2499; 3500-4600; 5000-6100
 Models: Courier
 Blank: X5, X4 only. See below for X26 & X27. Depths
 Cuts Start at: .480 1-.244
 Spacing: .0985 2-.276
 Block #: 5 3-.307
 Incr: .0315
 No of Spaces: 7
 Spaces: .480, .579, .677, .776, .874, .973, 1.071
 Reed: 03-05-218, 06-01-124 & 131.
 Bitting is double, same both sides.

Mfgr: Ford
 Series: 2500-2999; 3000-3499; 3500-4600; 5000-6100
 Models: Courier
 Blank: X26, X27 only. See above for X5 & X4. Depths
 Cuts Start at: .310 1-.252
 Spacing: .0985 2-.283
 Block #: 5 3-.315
 Incr: .0315
 No of Spaces: 7
 Spaces: .310, .409, .507, .606, .704, .803, .901
 Reed: 03-05-218, 06-01-124 & 131.
 Bitting is double, same both sides.

Mfgr: Ford
 Series: 6500-7733
 Models: Festiva, Probe
 Blank: X202 Depths
 Cuts Start at: .439 1-.315
 Spacing: .0985 2-.295
 Block #: 5 3-.276
 Incr: .0197 4-.256
 No of Spaces: 7
 Spaces: .439, .537, .636, .734, .833, .931, 1.030
 Reed: 08-02-087. Bitting is double, same both sides.
 Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Ford

Series: 10100-12099

Model: Probe

Blank:	X221	Depths
Cuts Start at:	.098	1-.315
Spacing:	.083	2-.299
Block #:	5	3-.283
Incr:	.0157	4-.268
No of Spaces:	10	5-.252

Spaces: .098, .181, .264, .346, .429, .512, .594, .677, .760, .843

Reed: 10-02-090. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Ford German

Series: N201-300; 201-300

Blank:	63E	Depths
Cuts Start at:	.155	0-Precut
Spacing:	.125	2-.215
Block #:	1	3-.230
Incr:	.015	4-.245
No of Spaces:	5	5-.260

Spaces: .155, .280, .405, .530, .655

Reed: 07-03-237. Bitting is double, same both sides.

Mfgr: Ford German

Series: OA1-OA210

Blank:	F76M	Depths
Cuts Start at:	.130	1-.275
Spacing:	.130	2-.255
Block #:	2	3-.235
Incr:	.020	
No of Spaces:	5	

Spaces: .130, .260, .390, .520, .650

Reed: 05-02-169. Bitting is double, same both sides.

Mfgr: Fort

Series: L001-1000; 1-336

Blanks:	L1054G, L1054B	Depths
Cuts Start at:	.125	1-.250
Spacing:	.094	3-.220
Block #:	3	5-.190
Incr:	.030	
No of Spaces:	5	

Spaces: .125, .219, .313, .407, .501

Mfgr: Fort**Series: S3001-3240; 1001-1670**

Blanks:	775, etc.	Depths
Cuts Start at:	.130	1-.300
Spacing:	.170	3-.270
Block #:	1	5-.240
Incr:	.030	
No of Spaces:	5	
Spaces:	.130, .300, .470, .640, .810	

Mfgr: Fort**Series: 001-1000; 1-336**

Blanks:	1000V, S1000V	Depths
Cuts Start at:	.150	1-.250
Spacing:	.094	3-.220
Block #:	3	5-.190
Incr:	.030	
No of Spaces:	5	
Spaces:	.150, .244, .338, .432, .526	

Mfgr: Fort**Series: 337-556**

Blank:	L1054B	Depths
Cuts Start at:	.125	2-.235
Spacing:	.094	4-.205
Block #:	3	6-.175
Incr:	.030	
No of Spaces:	5	
Spaces:	.125, .219, .313, .407, .501	

Mfgr: Fraim**Series: 424-425 Padlocks**

Blank:	1098X	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.235
Block #:	1	3-.220
Incr:	.015	4-.205
No of Spaces:	5	5-.190
Spaces:	.150, .243, .336, .429, .522	

Mfgr: Freightliner

Series: H601-1100

Models: Trucks

Blanks: 1098M, 1098X

Depths

1-.250

Cuts Start at: .150

2-.235

Spacing: .093

3-.220

Block #: 1

4-.205

Incr: .015

5-.190

No of Spaces: 5

Spaces: .150, .243, .336, .429, .522

Reed: 01-02-023.

Mfgr: Freightliner

Series: LL001-200

Models: Trucks

Blank: 01122A

Depths

1-.250

Cuts Start at: .125

2-.230

Spacing: .095

3-.210

Block #: 1

4-.190

Incr: .020

5-.170

No of Spaces: 5

Spaces: .125, .220, .315, .410, .505

Reed: 02-07-095.

Mfgr: General

0-.315

Series: All

1-.295

Blanks: All

2-.275

Cuts Start at: .181

3-.255

Spacing: .161

4-.235

Block #: N/A

5-.215

Incr: .020

6-.195

No of Spaces: 6

7-.175

Spaces: .181, .342, .503, .664, .825, .986

8-.155

Use narrow side of vise if #9 cut is used.

9-.135

Mfgr: G.M.

Series: A000-ZZ99 (10 Cut)

Model: Skylark

Blank: P1102

Depths

1-.315

Cuts Start at: .216

2-.290

Spacing: .092

3-.265

Block #: 3

4-.240

Incr: .025

No of Spaces: 10

Spaces: .216,.308,.400,.492,.584,.676,.768,.860,.952,1.044

Reed: Volume 12. Bitting is double, same both sides. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: G.M., Australian GM

Series: Sidebar; V & VB0000-1999; 0000-1999

Blanks: See Codes

Depths

1-.248

Cuts Start at: .109

2-.223

Spacing: .092

3-.198

Block #: 3

4-.173

Incr: .025

No of Spaces: 6

5-.148

Spaces: .109, .201, .293, .385, .477, .569

Mfgr: G.M.

Series: 8000-9499

Models: 1966 & Previous

Blanks: H1098LA, O1098LA

Depths

1-.248

Cuts Start at: .109

2-.223

Spacing: .092

3-.198

Block #: 3

4-.173

Incr: .025

No of Spaces: 5

Spaces: .109, .201, .293, .385, .477

Reed: 01-02-077.

Mfgr: G.M.C.

Series: 0A00 - 99Y9

Models: Trucks

Blanks:	P1098E, S1098H, etc.	Depths
Cuts Start at:	.109	1-.248
Spacing:	.092	2-.223
Block #:	3	3-.198
Incr:	.025	4-.173
No of Spaces:	6	5-.148
Spaces:	.109, .201, .293, .385, .477, .569	
Reed:	01-02-218.	

Mfgr: G.M.C.

Series: A8001-9400

Models: Trucks; W4 & W5

Blank:	X158	Depths
Cuts Start at:	.118	1-.325
Spacing:	.118	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242
No of Spaces:	6	
Spaces:	.118, .236, .354, .472, .591, .709	
Reed:	08-02-236. Bitting is double, same both sides.	

Mfgr: G.M.C.

Series: N5001-7000

Models: Trucks; W4 & W5

Blank:	X184	Depths
Cuts Start at:	.098	1-.325
Spacing:	.083	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242
No of Spaces:	8	
Spaces:	.098, .181, .264, .346, .429, .512, .594, .677	
Reed:	10-02-065. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: G.M.C. Truck
 Series: S8001-9000
 Models: Trucks; W6 & W7

Blank:	X154	Depths
Cuts Start at:	.118	1-.276
Spacing:	.083	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217
No of Spaces:	8	
Spaces: .118, .201, .283, .366, .449, .532, .614, .697		
Reed: 08-02-049. Bitting is double, same both sides.		

Mfgr: Geo
 Series: A8001-9400

Model: Spectrum
 Blank: X143
 Cuts Start at: .118
 Spacing: .118
 Block #: 5
 Incr: .0277

No of Spaces:	6	Depths
Spaces: .118, .236, .354, .472, .591, .709		
Reed: 08-02-236. Bitting is double, same both sides.		

Mfgr: Geo
 Series: G001-G7NP; N5001-7000

Models: Prizm, Storm
 Blanks: X192, X184
 Cuts Start at: .098
 Spacing: .083
 Block #: 5
 Incr: .0277

No of Spaces:	8	Depths
Spaces: .098, .181, .264, .346, .429, .512, .594, .677		

Reed: 10-02-051, 065. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Geo

Series: U0001-2000

Model: Metro

Blank:	X184	Depths
Cuts Start at:	.098	1-.242
Spacing:	.083	2-.270
Block #:	5	3-.297
Incr:	.0277	4-.325

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-196. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Geo

Series: 10001-15000

Model: Prizm

Blanks:	X225	Depths
Cuts Start at:	.368	1-.323
Spacing:	.090	2-.299
Block #:	3	3-.276
Incr:	.0237	4-.252

No of Spaces: 8

Spaces: .368, .459, .549, .640, .730, .821, .911, 1.002

Reed: 10-02-064. Bitting is double, same both sides.

Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Geo

Series: 18100-19299

Model: Tracker

Blank:	X180	Depths
Cuts Start at:	.098	1-.315
Spacing:	.083	2-.299
Block #:	5	3-.283
Incr:	.0157	4-.268

No of Spaces: 8

5-.252

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-205. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Goal**Series: Key-in-Knob**

Blank:	GL1	Depths
Cuts Start at:	.216	1-.330
Spacing:	.165	2-.307
Block #:	2	3-.284
Incr:	.023	4-.261
No of Spaces:	5	5-.238
Spaces:	.216, .381, .546, .711, .876	6-.215

Mfgr: Guard**Series: All**

Blank:	1022	Depths
Cuts Start at:	.150	0-.275
Spacing:	.130	1-.260
Block #:	2	2-.245
Incr:	Var.	3-.225
No of Spaces:	5	4-.195
Spaces:	.150, .280, .410, .540, .670	5-.170

Mfgr: Hafele**Series: LH1-400**

Blank:	L6S	Depths
Cuts Start at:	.185	1-.240
Spacing:	.088	2-.215
Block #:	4	3-.190
Incr:	.025	
No of Spaces:	5	
Spaces:	.185, .273, .361, .449, .537	
Bitting is double, same both sides.		

Mfgr: Harley Davidson**Series: A001-160**

Blank:	X44	Depths
Cuts Start at:	.098	1-.276
Spacing:	.099	2-.256
Block #:	3	3-.236
Incr:	.020	4-.216
No of Spaces:	5	
Spaces:	.098, .197, .296, .395, .494	
Bitting is double, same both sides. Used on replacement locks.		

Mfgr: Harley Davidson
 Series: E, F, G & H1-78

Blank:	F69F	Depths
Cuts Start at:	.430	1-.275
Spacing:	.100	2-.250
Block #:	3	3-.225
Incr:	.025	
No of Spaces:	4	
Spaces:	.430, .530, .630, .730	
Reed:	07-05-005	

Mfgr: Harley Davidson
 Series: FLT11-127

Blanks:	See Codes	Depths
Cuts Start at:	.255	1-.320
Spacing:	.150	2-.280
Block #:	2	
Incr:	.040	
No of Spaces:	3	
Spaces:	.255, .405, .555	
Reed:	10-04-074. Bitting is double, same both sides.	

Mfgr: Harley Davidson
 Series: 1-70

Blanks:	H78KR, H78K	Depths
Cuts Start at:	.130	1-.230
Spacing:	.120	2-.210
Block #:	2	3-.190
Incr:	.020	4-.170
No of Spaces:	3	
Spaces:	.130, .250, .370	
Reed:	07-05-005	

Mfgr: Harley Davidson
 Series: 001-200

Blank:	R63G	Depths
Cuts Start at:	.091	1-.276
Spacing:	.098	2-.244
Block #:	3	3-.213
Incr:	.032	
No of Spaces:	5	
Spaces:	.091, .189, .287, .385, .483	
Bitting is double, same both sides.		

Mfgr: Harley Davidson

Series: 101-170

Blanks: H72G, H72H

Cuts Start at: .145

Spacing: .115

Block #: 3

Incr: .020

No of Spaces: 4

Spaces: .145, .260, .375, .490

Depths

1-.255

2-.235

3-.215

4-.195

5-.175

Mfgr: Harley Davidson

Series: 111-444

Blank: X47

Cuts Start at: .180

Spacing: .100

Block #: 3

Incr: .020

No of Spaces: 3

Spaces: .180, .280, .380

Direct digit, numbers are cuts.

Depths

1-.220

2-.200

3-.180

4-.160

Mfgr: Harloc

Series: Large Pin

Blank: X1014F

Cuts Start at: .216

Spacing: .155

Block #: 2

Incr: .018

No of Spaces: 5

Spaces: .216, .371, .526, .681, .836

Some locks use first seven steps only.

Depths

1-.320

2-.302

3-.284

4-.266

5-.248

6-.230

7-.212

8-.194

9-.176

0-.158

Mfgr: Haworth

Series: KA301-350

Blank: O1122

Cuts Start at: .128

Spacing: .096

Block #: 5

Incr: .020

No of Spaces: 5

Spaces: .128, .224, .320, .416, .512

Depths

1-.250

2-.230

3-.210

4-.190

5-.170

Mfgr: Hillman, Minx
 Series: 801-899; 900-998; SR301-399
 Blanks: 64T, R64T Depths
 Cuts Start at: .160 1-.243
 Spacing: .100 2-.228
 Block #: 3 3-.213
 Incr: .015
 No of Spaces: 5
 Spaces: .160, .260, .360, .460, .560

Mfgr: Hino
 Series: K0001-9000
 Models: Trucks
 Blank: X137 Depths
 Cuts Start at: .098 1-.217
 Spacing: .0985 2-.236
 Block #: 5 3-.256
 Incr: .0197 4-.276
 No of Spaces: 6
 Spaces: .098, .197, .296, .394, .492, .591
 Reed: Volumes 3, 6, and 8. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #4 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Hon New
 Series: L001-010
 Blank: 1003M Depths
 Cuts Start at: .191 0-.290
 Spacing: .125 1-.272
 Block #: 1 2-.254
 Incr: .018 3-.236
 No of Spaces: 5 4-.218
 Spaces: .191, .316, .441, .566, .691

Mfgr: Hon Old Depths
 Series: L001-010 0-.280
 Blank: 1003M 1-.262
 Cuts Start at: .191 2-.244
 Spacing: .125 3-.226
 Block #: 1 4-.208
 Incr: .018 5-.190
 No of Spaces: 5 6-.172
 Spaces: .191, .316, .441, .566, .691

Mfgr: Honda

Series: 1001-1700; 2001-2700

Models: Accord, Civic, CRX, Del Sol, Prelude

Blank:	X71, X129, X130	Depths
Cuts Start at:	.098	0-.276
Spacing:	.0985	1-.244
Block #:	5	2-.213
Incr:	.0315	

No of Spaces: 6

Spaces: .098, .197, .295, .394, .492, .591

Reed: 06-01-081. Bitting is double, same both sides.

If deep cut is found in first position, cut a #0 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Honda

Series: 2001-4949

Models: Civic, Coupe, CRX, Del Sol, 600

Blank:	X51	Depths
Cuts Start at:	.097	1-.224
Spacing:	.091	2-.244
Block #:	5	3-.264
Incr:	.020	4-.284

No of Spaces: 8

Spaces: .097, .188, .279, .370, .461, .552, .643, .734

Reed: 06-01-085. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Honda

Series: 3001-4481

Models: Accord, Civic, CRX, Del Sol, Prelude

Blanks:	X181, X190(V)	Depths
Cuts Start at:	.098	1-.213
Spacing:	.0985	2-.244
Block #:	5	3-.276
Incr:	.0315	

No of Spaces: 8

Spaces: .098, .197, .295, .394, .492, .591, .689, .787

Reed: 07-03-248. Bitting is double, same both sides.

If deep cut is found in first position, cut a #3 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Honda

Series: 5001-8442

Models: Accord, Civic, CRX, Del Sol, Prelude

Depths

Blanks: X182, X191(V), X195, X214, X215(V)

1-.307

Cuts Start at: .108

2-.294

Spacing: .0845

3-.282

Block #: 4

4-.269

Incr: .0126

5-.257

No of Spaces: 8

6-.244

Spaces: .108, .193, .278, .362, .447, .531, .616, .701

Reed: 09-02-211. Bitting is double, same both sides.

Mfgr: Honda

Series: 111111-444444

Models: Civic, Coupe

Blank: X38, X44

Depths

Cuts Start at: .100

1-.275

Spacing: .098

2-.260

Block #: 3

3-.240

Incr: .020

4-.220

No of Spaces: 6

Spaces: .100, .198, .296, .394, .492, .590

Reed: 06-01-100. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Honda

Series: 134658-866541

Model: 600

Blanks: HD23, HD29, HD30, HD31, HD32, HD33, HD34, HD35

Cuts Start at: .075

Depths

Spacing: .100

1-.235

Block #: 3

2-.220

Incr: .020

3-.200

No of Spaces: 6

4-.180

Spaces: .075, .175, .275, .375, .475, .575

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Honda Cycle
 Series: 10A-43J
 Blanks: X42, X43
 Cuts Start at: .140
 Spacing: 1-.140; 2-.250; 3-.400; 5-.550
 Block #: N/A
 Incr: .030
 No of Spaces: 4
 Spaces: .140, .250, .400, .550

	Depths
Cuts Start at:	1-.240
Spacing:	2-.210
Block #:	3-.180
Incr:	4-.150

Mfgr: Honda Cycle
 Series: A, B, C & D00-99
 Blanks: A & B = X84, C & D = X138
 Cuts Start at: .098
 Spacing: .098
 Block #: 3
 Incr: .032
 No of Spaces: 5
 Spaces: .098, .196, .294, .392, .490
 Reed: 08-05-048. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Honda Cycle
 Series: H; 0,1,2,3
 Blanks: See Codes
 Cuts Start at: .138
 Spacing: .138
 Block #: 2
 Incr: .030
 No of Spaces: 4
 Spaces: .138, .276, .414, .552

	Depths
Cuts Start at:	0-.245
Spacing:	1-.215
Block #:	2-.185
Incr:	3-.155

Mfgr: Honda Cycle
 Series: H; 0,4,5,6
 Blanks: See Codes
 Cuts Start at: .138
 Spacing: .138
 Block #: 2
 Incr: .030
 No of Spaces: 4
 Spaces: .138, .276, .414, .552

	Depths
Cuts Start at:	0-.245
Spacing:	4-.215
Block #:	5-.185
Incr:	6-.155

Mfgr: Honda Cycle w/ward

Series: H; 0,7,8,9

Blanks: See Codes

Depths

0-.245

Cuts Start at: .138

Spacing: .138

7-.215

Block #: 2

8-.185

Incr: .030

9-.155

No of Spaces: 4

Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle w/ward

Series: H; 0,9,6,3

Blanks: See Codes

Depths

0-.245

Cuts Start at: .138

Spacing: .138

9-.155

Block #: 2

6-.185

Incr: .030

3-.215

No of Spaces: 4

Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle

Series: H; 8,1,2,3

Blanks: See Codes

Depths

8-.245

Cuts Start at: .138

Spacing: .138

1-.215

Block #: 2

2-.185

Incr: .030

3-.155

No of Spaces: 4

Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle without ward

Series: H; 0,1,2,3

Blanks: See Codes

Depths

0-.235

Cuts Start at: .138

Spacing: .138

1-.205

Block #: 2

2-.175

Incr: .030

3-.145

No of Spaces: 4

Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle without ward
 Series: H; 0,4,5,6
 Blanks: See Codes Depths
 Cuts Start at: .138 0-.235
 Spacing: .138 4-.205
 Block #: 2 5-.175
 Incr: .030 6-.145
 No of Spaces: 4
 Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle without ward
 Series: H; 0,7,8,9
 Blanks: See Codes Depths
 Cuts Start at: .138 0-.225
 Spacing: .138 7-.205
 Block #: 2 8-.175
 Incr: .030 9-.145
 No of Spaces: 4
 Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle without ward
 Series: H; 0,9,6,3
 Blanks: See Codes Depths
 Cuts Start at: .138 0-.235
 Spacing: .138 9-.205
 Block #: 2 6-.175
 Incr: .030 3-.145
 No of Spaces: 4
 Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle without ward
 Series: H; 8,1,2,3
 Blanks: See Codes Depths
 Cuts Start at: .138 8-.205
 Spacing: .138 1-.205
 Block #: 2 2-.175
 Incr: .030 3-.145
 No of Spaces: 4
 Spaces: .138, .276, .414, .552

Mfgr: Honda Cycle
 Series: NA; 0,2,3,4,6,8,9

Blanks:	See Codes	Depths
Cuts Start at:	.140	0-.240
Spacing:	.140	2-.230
Block #:	1	3-.220
Incr:	Var.	4-.205
No of Spaces:	4	6-.195
Spaces:	.140, .280, .420, .560	8-.180
Reed:	05-04-005.	9-.170

Mfgr: Honda Cycle

Series: T; 3,4,5,6

Blanks:	See Codes	Depths
Cuts Start at:	.120	3-.210
Spacing:	.140	4-.190
Block #:	1	5-.175
Incr:	Var.	6-.165
No of Spaces:	3	
Spaces:	.120, .260, .400, .540	
Reed:	05-04-007.	

Mfgr: Honda Cycle

Series: T; 2,6,7,8,9

Blanks:	See Codes	Depths
Cuts Start at:	.120	2-.220
Spacing:	.160	6-.205
Block #:	2	7-.190
Incr:	.015	8-.175
No of Spaces:	3	9-.160
Spaces:	.120, .280, .440	
Reed:	05-04-006.	

Mfgr: Honda Cycle

Series: 1,3,5

Blanks:	See Codes	Depths
Cuts Start at:	.138	1-.145
Spacing:	.138	3-.175
Block #:	2	5-.205
Incr:	.030	
No of Spaces:	3	
Spaces:	.138, .276, .414	

Mfgr: Honda Cycle**Series: 101-140; 801-840****Models: 70cc**

Blank:	X84	Depths
Cuts Start at:	.098	1-.276
Spacing:	.098	2-.256
Block #:	3	3-.236
Incr:	.020	4-.216

No of Spaces: 5**Spaces: .098, .196, .294, .392, .490****If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.****Mfgr: Honda Cycle****Series: 101-820**

Blank:	X84	Depths
Cuts Start at:	.100	1-.280
Spacing:	.095	2-.260
Block #:	1	3-.240
Incr:	.020	4-.220

No of Spaces: 5**Spaces: .100, .195, .295, .395, .495****Reed: 05-04-003. Bitting is double, same both sides.****Mfgr: Honda Cycle****Series: 00000-99999 Direct Digit**

Blanks:	X57, X58	Depths
Cuts Start at:	.098	5-0-.262
Spacing:	.098	7-2-.215
Block #:	3	8-3-.235
Incr:	Var.	9-4-.255

No of Spaces: 5**Spaces: .098, .196, .294, .392, .490****Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.****Mfgr: Hoyle Tool Boxes****Series: E005-025****Blanks: Misc, see codes.**

Cuts Start at:	.125	Depths
Spacing:	.095	1-.250
Block #:	1	2-.230
Incr:	.020	3-.210
No of Spaces:	5	4-.190

Spaces: .125, .220, .315, .410, .505

Mfgr:	Huck Pin	Depths
Series:	Tumbler Locks	0-.311
Blanks:	See Code Books	1-.292
Cuts Start at:	.250	2-.273
Spacing:	.156	3-.254
Block #:	1	4-.235
Incr:	.019	5-.216
No of Spaces:	5	6-.197
Spaces:	.250, .406, .562, .718, .874	7-.178

Mfgr:	Hudson	Depths
Series:	See below	0-.290
Blanks:	1003M, R1003M	1-.272
Cuts Start at:	.191	2-.254
Spacing:	.125	3-.236
Block #:	1	4-.218
Incr:	.018	5-.200
No of Spaces:	5	6-.182
Spaces:	.191, .316, .441, .566, .691	

AA1-20	G401-500	SU001-100
AD501-2500	H001-1000	SU201-300
AE001-500	H0001-3000	T1-51
AH700-949	HG001-150	T401-412
BB401-450	HL001-250	301T-450T
BH101-300	HON301-450	UH1-62
BH5000-5075	HU001-100	1-10
D301-350	JB001-300	1-3000
DA1-36	JC001-300	011-020
DA101-150	L001-010	301-450
301E-450E	L700-799	700-799
F1-25	MH500-750	701-760
F01-161	P201-300	2501-3350
F26-161	P401-650	7000-7999
F301-350	PC001-500	8001-9000
FC1-300	PMI100-149	
FC301-350	S1-50	
FH751-1000	SM1-51	

	Depths
Mfgr: Hudson	1-.250
Series: See below	2-.230
Blank: See Code Books	3-.210
Cuts start at: .125	4-.190
Spacing: .097	5-.170
Block #: 5	6-.150
Incr: .020	X-.220
No of Spaces: 5	
Spaces: .125, .222, .319, .416, .513	

A501-540	EFH800-850	IE750-799
A2101-2120	EFH901-925	J200-500
AE502-514	EL101-619	K1-25
AL001-010	EM201-300	K125-173
AS1-100	EM501-550	KL1-68
B1-20	FF740-745	KL101-200
B1-300	G1301-1350	KL801-900
B701-710	GA101-350	KV50-61
B801-820	GB301-550	KV70-82
BI1-25	GG101-150	KV90-94
BT1-40	GG101-200	KV101-1700
CB301-426	GG301-999	L1-28
CH001-120	GR201-300	LC501-550
CH501-554	H101-359	LD1-250
CH501-550	H11A-20A	LK301-305
501CH-550CH	H11B-20B	LL1-853
CJ101-200	H6001-6250	LL11-50
CL601-700	H7000-7250	LL001-266
DA1-28	HC80-94	LL155-179
DG1-300	HC401-650	LL226-425
DL101-200	HC701-759	LL431-630
DP250-284	HC800-840	LL850-874
DS201-243	HC900-924	LM1-60
DT102-165	HH101-250	M1-12
DT266-284	HI201-305	MA101-200
DT711-720	HL1-100	MB301-500
DT801-820	HL201-400	MK1-15
DTD1-20	HL901-925	MM101-300
DTP1-20	HON101-150	MM301-500
DTR1-10	HU1-360	MM750-999
E200-500	1B101M-210M	N226-361
EFH101-150	IB226M-236M	OD101-140
EFH151-162	IBM326-525	OI101-210
OI217-226	SW138B-158B	XHL51-100
OI101D-1X10D	SW101X-121X	XK1700-1949
P670-676	SW101Z-121Z	YHL101-150

PMS348-697	T36-45	Z501-540
PT680-739	T701-720	ZHL151-200
R301-330	1321T-1345T	1-50
RG1001-1100	T1321-T1345	501-520
RS101-150	TE001-200	701-710
SS501-550	TEM1-50	1001-1010
ST101-220	W501-550	1001-1020
SW138A-158A	X750-999	

Mfgr: Hudson	Depths
Series: See below	0-.280
Blanks: 1003M, R1003M	1-.262
Cuts Start at: .191	2-.244
Spacing: .125	3-.226
Block #: 1	4-.208
Incr: .018	5-.190
No of Spaces: 5	6-.172
Spaces: .191, .316, .441, .566, .691	

AD501-2500	FH751-1000	MH500-750
AH700-949	H001-1000	P201-300
BB401-450	H0001-3000	PC001-500
D301-350	HG001-150	PMI100-149
DA1-36	HL001-250	301T-450T
DA101-150	HL251-1500	W1-35 & Up
301E-450E	HON301-450	1-10
F1-25	HU001-100	1-3000
F26-161	JB1-300	301-450
FC1-300	JC1-300	511-700
F301-350	L001-010	700-799
FC301-350	L700-799	

Mfgr: Hurd	Depths
Series: 35 - 51	
Blank: 1125C	1-.195
Cuts Start at: .170	2-.175
Spacing: .125	3-.155
Block #: 1	4-.135
Incr: .020	5-.115
No of Spaces: 5	
Spaces: .170, .295, .420, .545, ,670	
Use narrow side of vise.	

Mfgr: Hurd
 Series: 52-64
 Blank: 1127DP
 Cuts Start at: .200 Depths
 Spacing: .125 1-.240
 Block #: 1 2-.220
 Incr: .020 3-.200
 No of Spaces: 5 4-.180
 Spaces: .200, .325, .450, .575, .700 5-.160

Mfgr: Hurd	Depths
Series: 330A1	0-.230
Blank: 1125	1-.217
Cuts Start at: .140	2-.205
Spacing: .125	3-.192
Block #: 1	4-.180
Incr: .0125	5-.167
No of Spaces: 5	6-.155
Spaces: .140, .265, .390, .515, .640	7-.142
Use narrow side of vise.	8-.130
	9-.117

Mfgr: Hurd
 Series: Wafer; R, BH, EH, JH
 Blank: O1122A Depths
 Cuts Start at: .125 1-.250
 Spacing: .095 2-.230
 Block #: 1 3-.210
 Incr: .020 4-.190
 No of Spaces: 5 5-.170
 Spaces: .125, .220, .315, .410, .505

Mfgr: Hurd	Depths
Series: T1-1000	1-.230
Blank: 1125L	2-.210
Cuts Start at: .160	3-.190
Spacing: .165	4-.170
Block #: 2	5-.150
Incr: .020	6-.130
No of Spaces: 5	7-.110
Spaces: .160, .325, .490, .655, .820	
#7 cut can only be cut to .115 depth. File remaining .005.	

Mfgr: Hurd
 Series: Y
 Blank: 1125D Depths
 Cuts Start at: .145 1-.240
 Spacing: .125 2-.220
 Block #: 1 3-.200
 Incr: .020 4-.180
 No of Spaces: 5 5-.160
 Spaces: .145, .270, .395, .520, .645 6-.140

Mfgr: Hurd
 Series: 1-50
 Blank: 1125C Depths
 Cuts Start at: .140 0-.205
 Spacing: .125 1-.195
 Block #: 1 2-.175
 Incr: .020 3-.155
 No of Spaces: 5 4-.135
 Spaces: .140, .265, .390, .515, .640 5-.115
 Use narrow side of vise.

Mfgr: Hurd
 Series: Padlocks
 Blank: 1125 Depths
 Cuts Start at: .140 1-.230
 Spacing: .125 3-.210
 Block #: 1 5-.180
 Incr: Var. 7-.150
 No of Spaces: 5
 Spaces: .140, .265, .390, .515, .640

Mfgr: Hyundai
 Series: R, S & T0001-1000
 Model: Elantra, Sonata
 Blanks: X232, X216 Depths
 Cuts Start at: .098 1-.319
 Spacing: .083 2-.295
 Block #: 5 3-.272
 Incr: .0237 4-.248
 No of Spaces: 8
 Spaces: .098, .181, .264, .347, .430, .513, .596, .679
 Reed: 11-02-009. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Hyundai**Series: X0001-1000; Y0001-1000; Z0001-4000****Models: Excel, Pony, Stellar**

Blanks:	X160, X121, X161	Depths
Cuts Start at:	.098	1-.276
Spacing:	.0985	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217

No of Spaces: 7

Spaces: .098, .197, .295, .394, .492, .591, .689

Reed: 09-02-229, 240, 245. Bitting is double, same both sides.
If deep cut is found in first position, cut a #1 cut and hand file to
avoid losing shoulder or use FC8735 cutter.**Mfgr: Hyundai****Series: X1001-2000; Y1001-2000****Models: Excel, Scoupe, Sonata**

Blanks:	X196, X187	Depths
Cuts Start at:	.098	1-.283
Spacing:	.0985	2-.264
Block #:	5	3-.244
Incr:	.0197	4-.224

No of Spaces: 7

Spaces: .098, .197, .295, .394, .492, .591, .689

Reed: 09-02-235. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to
avoid losing shoulder or use FC8735 cutter.**Mfgr: Ilco****Series: DB, TT, etc.**

Blank:	1054FN, 1054MT	Depths
Cuts Start at:	.277	0-.320
Spacing:	.156	1-.302
Block #:	1	2-.284
Incr:	.018	3-.266
No of Spaces:	5	4-.248
Spaces:	.277, .433, .589, .745, .901	5-.230
Cuts are .070 wide.		6-.212

Mfgr:	Ilco	Depths
Series:	XR	1-.270
Blank:	1154G	2-.252
Cuts Start at:	.162	3-.234
Spacing:	.140	4-.216
Block #:	1	5-.198
Incr:	.018	6-.180
No of Spaces:	5	7-.162
Spaces:	.162, .302, .442, .582, .722	

Mfgr:	Ilco	Depths
Series:	#308 Padlocks	1-.270
Blank:	K1054AX	2-.252
Cuts Start at:	.165	3-.234
Spacing:	.140	4-.216
Block #:	1	5-.198
Incr:	.018	6-.180
No of Spaces:	5	7-.162
Spaces:	.165, .305, .445, .585, .725	

Mfgr:	Ilco	Depths
Series:	Challanger Pads	1-.330
Blank:	1054F	2-.315
Cuts Start at:	.255	3-.300
Spacing:	.140	4-.285
Block #:	1	5-.270
Incr:	.015	6-.255
No of Spaces:	5	7-.240
Spaces:	.255, .395, .535, .675, .815	8-.225 9-.210

Mfgr:	Ilco	Depths
Series:	Small Pin; AH & F	1-.270
Blanks:	X1054A & X1054JK	2-.252
Cuts Start at:	.192	3-.234
Spacing:	.146	4-.216
Block #:	4	5-.198
Incr:	.018	6-.180
No of Spaces:	5	7-.162
Spaces:	.162, .287, .412, .537, .662	

Mfgr:	llco	Depths
Series:	DC; HF; B	0-.308
Blank:	X1000F	1-.290
Cuts Start at:	.250	2-.272
Spacing:	.140	3-.254
Block #:	1	4-.236
Incr:	.018	5-.218
No of Spaces:	5	6-.200
Spaces:	.260, .400, .540, .680, .820	7-.182 8-.164 9-.146

Mfgr:	llco	Depths
Series:	Large Pin	0-.320
Blank:	X1054K	1-.302
Cuts Start at:	.277	2-.284
Spacing:	.156	3-.266
Block #:	1	4-.248
Incr:	.018	5-.230
No of Spaces:	5	6-.212
Spaces:	.277, .433, .589, .745, .901	7-.194 8-.176 9-.158

Mfgr:	llco	
Series:	#324 Padlocks	
Blank:	B1054B	Depths
Cuts Start at:	.115	1-.210
Spacing:	.100	2-.190
Block #:	3	3-.170
Incr:	.020	4-.150
No of Spaces:	5	
Spaces:	.115, .215, .315, .415, .515	

Mfgr:	llco & Pundra	
Series:	Disc, Cam Locks	
Blank:	L1054B	Depths
Cuts Start at:	.127	1-.250
Spacing:	.095	2-.230
Block #:	1	3-.210
Incr:	.020	4-.190
No of Spaces:	5	5-.170
Spaces:	.127, .222, .317, .412, .507	

	Depths
Mfgr: Ilco	
Series: S	1-.275
Blank: 1054A	2-.260
Cuts Start at: .160	3-.245
Spacing: .125	4-.230
Block #: 1	5-.215
Incr: .015	6-.200
No of Spaces: 5	7-.185
Spaces: .160, .285, .410, .535, .660	

	Depths
Mfgr: Ilco	
Series: DF & U; LB500-999	
Blank: 1054UN, L1054B	1-.250
Cuts Start at: .140	2-.235
Spacing: .095	3-.220
Block #: 1	4-.205
Incr: .015	5-.190
No of Spaces: 5	
Spaces: .140, .235, .330, .425, .520	

	Depths
Mfgr: Illinois	
Series: 100T-697T	
Blank: 1043B	1-.188
Cuts Start at: .137	2-.208
Spacing: .093	3-.228
Block #: 1	4-.248
Incr: .020	
No of Spaces: 5	
Spaces: .137, .230, .323, .416, .509	

	Depths
Mfgr: Illinois	
Series: DMM0-8, Wafer	
Blanks: 1043B, 1043C, etc.	1-.250
Cuts Start at: .150	2-.230
Spacing: .093	3-.210
Block #: 1	4-.190
Incr: .020	
No of Spaces: 5	
Spaces: .150, .243, .336, .429, .522	

Mfgr: Infiniti

Series: X0001-9000; Y0001-9000

Models: G20, J30, M30

Blanks: X210, X124(V)

Depths

1-.276

Cuts Start at: .118

2-.256

Spacing: .083

3-.236

Block #: 5

4-.217

Incr: .0197

No of Spaces: 8

Spaces: .118, .201, .283, .366, .449, .532, .614, .697

Reed: 07-03-096. Bitting is double, same both sides.

Mfgr: Ingersoll

Series: R

Blank: See Code Books

Depths

1-.400

Cuts Start at: Top: .345, Bot: .250

2-.370

Spacing: .175

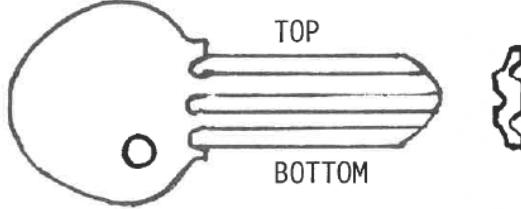
3-.340

Block #: 2

4-.310

Incr: .030

Bitting is double, staggered cuts.



This key series is made and used in England. Blanks are not available in U.S.A.

Mfgr: International Harvester, Navistar, Scout

Series: A201-1050; C250-2200; H601-1100; HM201-1050;
N1501-1700; NA1-200

Models: Trucks

Blanks: 1098M, 1098X, 1098DB, etc.

Depths

1-.250

Cuts Start at: .150

2-.235

Spacing: .093

3-.220

Block #: 1

4-.205

Incr: .015

5-.190

No of Spaces: 5

Spaces: .150, .243, .336, .429, .522

Reed: 01-02-001, 002, 014, 015, 016, 018, 023, 026, 039, 95, 123

Mfgr: International Harvester, Navistar, Scout
 Series: K & L1-1000; D & E225-815

Models: Trucks

Blanks:	1970AM, S1970AM	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.225
Block #:	1	3-.200
Incr:	.025	4-.175
No of Spaces:	5	5-.150
Spaces:	.150, .243, .336, .429, .522	
Reed:	01-02-211.	

Mfgr: Isetta

Series: H & SH1-240

Blank:	R62VE	Depths
Cuts Start at:	.150	1-.245
Spacing:	.090	3-.230
Block #:	3	5-.215
Incr:	.015	
No of Spaces:	5	
Spaces:	.150, .240, .330, .420, .510	
Reed:	02-04-060	

Mfgr: Isetta

Series: C, D, E & F064-126

Blanks:	MB4, MB5	Depths
Cuts Start at:	.180	1-.235
Spacing:	.120	2-.210
Block #:	2	3-.180
Incr:	Var.	
No of Spaces:	5	
Spaces:	.180, .300, .420, .540, .660	
Reed:	07-03-259.	

Mfgr: Isuzu

Series: A8001-9400

Models: I Mark, Trucks

Blanks:	X143, X158	Depths
Cuts Start at:	.118	1-.325
Spacing:	.118	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242
No of Spaces:	6	
Spaces:	.118, .236, .354, .472, .591, .709	
Reed:	08-02-236. Bitting is double, same both sides.	

Mfgr: Isuzu

Series: C6001-7042

Models: I-Mark, Impulse, Pickup, Trooper

Blanks:	X121, X54	Depths
Cuts Start at:	.098	1-.217
Spacing:	.0985	2-.236
Block #:	5	3-.256
Incr:	.0197	4-.276

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 06-01-106. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Isuzu

Series: D4001-6000

Models: Amigo, Pickup, Rodeo, Trooper

Blank :	X198	Depths
Cuts Start at:	.098	1-.311
Spacing:	.083	2-.295
Block #:	5	3-.280
Incr:	.0157	4-.264

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 10-02-074. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Isuzu

Series: N5001-7000

Models: Amigo, Pickup, Impulse, Rodeo, Stylus, Trooper, Truck

Blank:	X184	Depths
Cuts Start at:	.098	1-.325
Spacing:	.083	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 10-02-065. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Isuzu
 Series: S8001-9000
 Model: Trucks
 Blank: X154 Depths
 Cuts Start at: .118 1-.276
 Spacing: .083 2-.256
 Block #: 5 3-.236
 Incr: .0197 4-.217
 No of Spaces: 8
 Spaces: .118, .201, .283, .366, .449, .532, .614, .697
 Reed: 08-02-049. Bitting is double, same both sides.

Mfgr: Iveco
 Series: P0301-3300; Z0301-3300
 Models: Trucks
 Blank: X155 Depths
 Cuts Start at: .291 1-.289
 Spacing: .104 2-.278
 Block #: 4 3-.258
 Incr: .0197 4-.238
 No of Spaces: 5 5-.219
 Spaces: .289, .278, .258, .238, .219
 Reed: 08-02-067. Bitting is double, same both sides.

Mfgr: Iveco
 Series: RO1001-2000; VL1001-2000
 Models: Trucks
 Blank: X157 Depths
 Cuts Start at: .108 1-.314
 Spacing: .094 2-.289
 Block #: 3 3-.264
 Incr: .025 4-.239
 No of Spaces: 8
 Spaces: .108, .202, .296, .390, .484, .578, .672, .766
 Reed: 05-02-119 & 397. Bitting is double, same both sides.

Mfgr: Iveco

Series: 1501-1900; 1901-2000; 3501-3900; 3901-4000

Models: Trucks

Blanks:	FT37, FT38	Depths
Cuts Start at:	.217	1-.272
Spacing:	.110	2-.240
Block #:	3	3-.209
Incr:	.0315	
No of Spaces:	6	
Spaces:	.217, .327, .437, .547, .657, .768	
Reed:	04-04-042, 05-02-151.	

Mfgr: Jaguar

Series: AK0001-1000

Models: XJS, XJ6, XJ12, etc.

Blank:	X86	Depths
Cuts Start at:	.075	1-.320
Spacing:	*	2-.295
Block #:	N/A	3-.270
Incr:	Var.	4-.240
No of Spaces:	10	
Spaces:	2 & 3, 5 & 6, 9 & 10 are double cuts.	

* 1 2---3 4 5---6 7 8 9---10
 .075 .164 .216 .310 .409 .461 .545 .645 .744 .796

Reed: 07-03-195. Bitting is double, same both sides.

Mfgr: Jaguar

Series: B & D01-01 - D64-64

Models: XJ6, XKE

Blank:	KL2	Depths
Cuts Start at:	SH = .215, PL = .185	1-.310
Spacing:	.138	2-.287
Block #:	2	3-.264
Incr:	.023	4-.241
No of Spaces:	5	

Spaces: SH = .215, .353, .491, .629, .767
 PL = .185, .323, .461, .599, .737

Reed: 03-05-058. Bitting is double, staggered cuts.

Mfgr: Jaguar

Series: FK & FS876-955; FP626-750; FS01-99

Models: XJ6, XKE, etc.

Blank:	62FS, 62DP	Depths
Cuts Start at:	.162	1-.236
Spacing:	.095	2-.204
Block #:	1	3-.172
Incr:	.032	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542	
Reed:	05-02-427, 02-04-051.	
Run out last cut on both sides if using FP series.		

Mfgr: Jaguar

Series: FR1-2000; FR4001-6000; FZ1-1232

Models: XJS, XJSC, XJ6, etc.

Blank:	FT6R	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	5-.166
Reed:	05-02-158, 09-02-250.	

Mfgr: Jaguar

Series: FT101-225

Model: XJ6

Blank:	62FT	Depths
Cuts Start at:	.235	1-.290
Spacing:	.094	2-.260
Block #:	3	3-.230
Incr:	.030	
No of Spaces:	5	
Spaces:	.235, .329, .423, .517, .611	
Reed:	05-02-111. Bitting is double, same both sides.	

Mfgr: Jaguar
 Series: JC1-852
 Models: XJ6, XJS, etc.

Blank: BL6	Depths
Cuts Start at: .085	1-.324
Spacing: .115	2-.296
Block #: 3	3-.268
Incr: .028	
No of Spaces: 7	
Spaces: .085, .200, .315, .430, .545, .660, .775	
Reed: 06-01-101. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.	

Mfgr: Jaguar
 Series: K0000-1005
 Models: Sovereign, Vanden Plas, XJ6, XJ40, etc.

Blank: X177	Depths
Cuts Start at: .169	1-.268
Spacing: .090	2-.248
Block #: 3	3-.228
Incr: .020	4-.208
No of Spaces: 10	
Spaces: .169, .259, .349, .439, .529, .619, .709, .799, .889, .979	
Reed: 09-02-256. Bitting is double, same both sides.	

Mfgr: Jaguar
 Series: W601-842
 Models: Gas Cap Lock

Blank: WS11	Depths
Cuts Start at: .150	1-.291
Spacing: .094	2-.268
Block #: 3	3-.244
Incr: .0235	
No of Spaces: 5	
Spaces: .150, .244, .338, .432, .526	
Reed: 06-01-293. Bitting is double, same both sides.	

Mfgr: Jaguar

Series: WR1000-2999

Models: SC, XJS

Blank: WB2 Depths

Cuts Start at: .063 Short, .130 Long 1-.325

Spacing: .067 2-.299

Incr: .0257 3-.274

No of Spaces: 10 4-.248

Spaces:

Short: .063, .130, .197, .264, .331, .398, .465, .532, .598, .665

Long: .130, .197, .264, .331, .398, .465, .532, .598, .665, .732

Reed: 09-02-262. Bitting is double, different both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Japanese Locks

Series: Variable

Blank: BS1 Depths

Cuts Start at: .165 1-.271

Spacing: .140 2-.239

Block #: 1 3-.207

Incr: .032 4-.175

No of Spaces: 5

Spaces: .165, .305, .445, .585, .725

Mfgr: Jeep

Series: C250-2200

Blank: 1098DB Depths

Cuts Start at: .150 1-.250

Spacing: .093 2-.235

Block #: 1 3-.220

Incr: .015 4-.205

No of Spaces: 5 5-.190

Spaces: .150, .243, .336, .429, .522

Reed: 01-02-014, 015, 016, 018, 095.

Mfgr: Jeep
 Series: OE00-9E99
 Models: Cherokee, Comanche, Wagoneer, etc.
 Blank: P1098J Depths
 Cuts Start at: .109 1-.248
 Spacing: .092 2-.223
 Block #: 3 3-.198
 Incr: .025 4-.173
 No of Spaces: 6 5-.148
 Spaces: .109, .201, .293, .385, .477, .569
 Reed: 01-02-190.

Mfgr: Jeep
 Series: G0000-1394
 Models: Grand Cherokee, Wrangler, etc.
 Blank: P1789 Depths
 Cuts Start at: .144 1-.340
 Spacing: .092 2-.315
 Block #: 3 3-.290
 Incr: .025 4-.265
 No of Spaces: 7
 Spaces: .144, .236, .328, .420, .512, .604, .696
 Reed: 10-04-001. Bitting is double, same both sides.
 Use Ford 5 pin spacing clip. Set starting cut at .144 (first cut from bow). See cutting procedure on page 33.

Mfgr: Jeep
 Series: J0001-3580; L0001-3580
 Models: Grand Cherokee, Grand Wagoneer, etc.
 Blanks: P1793, 1793V, P1794, 1794V Depths
 Cuts Start at: .051 1-.340
 Spacing: .092 2-.315
 Block #: 3 3-.290
 Incr: .025 4-.265
 No of Spaces: 7
 Spaces: .051, .143, .235, .327, .419, .511, .603
 Reed: 11-05-001 & 016. Bitting is double, same both sides.
 Use Ford 5 pin spacing clip, set starting cut at .051 (first cut from bow). See cutting procedure on page 33.

Mfgr: **Jeep**
 Series: **K & L1-1000**
 Models: **CJ5, CJ7, Wrangler, etc.**
 Blanks: **1970AM, S1970AM** Depths
 Cuts Start at: **.150** **1-.250**
 Spacing: **.093** **2-.225**
 Block #: **1** **3-.200**
 Incr: **.025** **4-.175**
 No of Spaces: **5** **5-.150**
 Spaces: **.150, .243, .336, .429, .522**
 Reed: **01-02-211.**

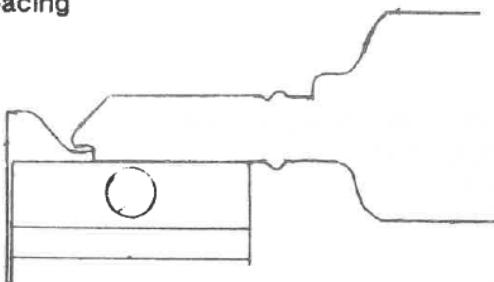
Mfgr: **Jofco**
 Series: **J101-200; J301-364; J401-440**
 Blanks: **01122R, O1122** Depths
 Cuts Start at: **.138** **1-.236**
 Spacing: **.102** **2-.217**
 Block #: **3** **3-.197**
 Incr: **.020** **4-.177**
 No of Spaces: **5**
 Spaces: **.138, .240, .342, .444, .546**

Mfgr: **Johnson, see Evinrude**

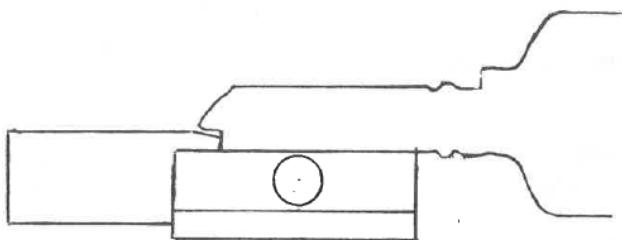
Mfgr: **Juncunc** Depths
 Series: **Pin Tumbler** **1-.285**
 Blank: **1046** **2-.270**
 Cuts Start at: **.156** **3-.255**
 Spacing: **.125** **4-.240**
 Block #: **1** **5-.225**
 Incr: **.015** **6-.210**
 No of Spaces: **5** **7-.195**
 Spaces: **.156, .281, .406, .531, .556** **8-.180**

Mfgr:	Kaba - Peak	Depths
Series:	140 & 150	0-.318
Blank:	Original	1-.305
Cuts Start at:	See below	2-.293
Spacing:	.140 or .150	3-.281
Block #:	1 or 2	4-.268
Incr:	.0125	5-.255
		6-.243
		7-.231
		8-.218
		9-.205

Use long side of spacing clip for .140 spacing.
Use long side of spacing clip for 6 pin system,
.150 spacing



Use short side of spacing clip for 7 pin system, .150 spacing.



All starting cuts will be .050 (see Ford cutting procedure). A special cutter and spacing clip should be used to cut these keys.

Mfgr:	Kawasaki	Depths
Series:	8001-9000	
Blank:	X105	1-.296
Cuts Start at:	.216	2-.276
Spacing:	.098	3-.256
Block #:	3	4-.236
Incr:	.020	
No of Spaces:	7	
Spaces:	.216, .314, .412, .510, .608, .706, .804	
Bitting is double, same both sides.		

Mfgr: Kawasaki
 Series: 265-279
 Blanks: See Code Books Depths
 Cuts Start at: .120 1-.205
 Spacing: .100 2-.185
 Block #: 3 3-.165
 Incr: .020 4-.145
 No of Spaces: 3
 Spaces: .120, .320, .420
 Reed: 05-04-014.

Mfgr: Kawasaki
 Series: A & B111111-444444
 Blanks: X105 & X106 Depths
 Cuts Start at: .310 1-.295
 Spacing: .100 2-.275
 Block #: 3 3-.255
 Incr: .020 4-.235
 No of Spaces: 6
 Spaces: .310, .410, .510, .610, .710, .810
 Reed: 07-05-009. Bitting is double, same both sides.

Mfgr: Kawasaki
 Series: Z & KZ 5001-6000
 Blank: X103 Depths
 Cuts Start at: .100 1-.260
 Spacing: .100 2-.240
 Block #: 3 3-.220
 Incr: .020 4-.200
 No of Spaces: 6
 Spaces: .100, .200, .300, .400, .500, .600
 Reed: 07-05-010. Bitting is double, same both sides.

Mfgr: Kawasaki
 Series: A, G & N1-35
 Blanks: X90 & X91 Depths
 Cuts Start at: .400 0-.295
 Spacing: .100 1-.265
 Block #: 3 2-.235
 Incr: .030
 No of Spaces: 5
 Spaces: .400, .500, .600, .700, .800
 Reed: 06-02-072. Bitting is double, same both sides.

Mfgr: Kawasaki

Series: 751-795

Blank:	X104	Depths
Cuts Start at:	.095	0-.285
Spacing:	.100	1-.265
Block #:	3	2-.245
Incr:	.020	3-.225

No of Spaces: 5

Spaces: .095, .195, .295, .395, .495

Reed: 07-02-022. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Kawasaki

Series: 801-845

Blank:	X103	Depths
Cuts Start at:	.100	0-.255
Spacing:	.100	1-.235
Block #:	3	2-.215
Incr:	.020	3-.195

No of Spaces: 4

Spaces: .100, .200, .300, .400

Reed: 05-04-019. Bitting is double, same both sides.

Mfgr: Kawasaki

Series: 155-164; 175-195

Blanks:	See Code Books	Depths
Cuts Start at:	.155	0-.275
Spacing:	.100	1-.255
Block #:	3	2-.235
Incr:	.020	3-.215

No of Spaces: 4

Spaces: .155, .255, .355, .455

Reed: 05-04-012.

Mfgr: Kawasaki

Series: 401-450; 901-925

Blanks:	X65, X66	Depths
Cuts Start at:	.155	0-.235
Spacing:	.100	1-.215
Block #:	3	2-.195
Incr:	.020	

No of Spaces: 4

Spaces: .155, .255, .355, .455

Reed: 05-04-016. Bitting is double, same both sides.

Mfgr:	Keil	Depths
Series:	Standard	0-.320
Blank:	1079B	1-.302
Cuts Start at:	.240	2-.284
Spacing:	.160	3-.266
Block #:	2	4-.248
Incr:	.018	5-.230
No of Spaces:	5	6-.212
Spaces:	.240, .400, .560, .720, .880	7-.194 8-.176 9-.158

Mfgr: Kennedy
Series: K601-697; K1200-1699

Blanks:	See Code Books	Depths
Cuts Start at:	.140	1-.245
Spacing:	.095	2-.230
Block #:	1	3-.215
Incr:	.015	4-.200
No of Spaces:	5	5-.185
Spaces:	.140, .235, .330, .425, .520	
Some codes use 1-3-5 for depths.		

Mfgr: Kenworth
Series: C250-2200; H601-1100

Models:	Trucks	
Blanks:	1098DB, 1098M, etc.	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.235
Block #:	1	3-.220
Incr:	.015	4-.205
No of Spaces:	5	5-.190
Spaces:	.150, .243, .336, .429, .522	
Reed:	01-02-014, 015, 016, 018, 023, 095.	

Mfgr: Kenworth

Series: E2001-3000

Models: Midranger, etc.

	Depths
Blank: X170	1-.299
Cuts Start at: .098	1-.299
Spacing: Ster.	2-.275
Block #: 4	3-.251
Incr: .024	4-.227

No of Spaces: 10

Spaces: .098, .185, .272, .359, .446, .533, .627, .677, .771, .821

Reed: 10-02-023. Bitting is double, same both sides. Cuts 7 & 8 and 9 & 10 are double cuts. Each double chamber contains two wafers. Use #4 Block - Sterling spacing. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter. Correct blank must be used - 11th wafer is seated on tip of blank.

Mfgr: Kenworth

Series: FB1-210

Models: Midranger, etc.

	Depths
Blank: X53	1-.280
Cuts Start at: .140	1-.280
Spacing: .120	3-.260
Block #: 2	5-.240
Incr: .020	

No of Spaces: 6

Spaces: .140, .260, .380, .500, .620, .740

Reed: 03-05-078. Bitting is double, same both sides.

Mfgr: Kenworth

Series: FH1-2000; 1-2000

Models: Midranger, etc.

	Depths
Blank: X170	1-.300
Cuts Start at: .100	1-.300
Spacing: Use VB1 Spacing Block only*	2-.276
Block #: 2	3-.252
Incr: .024	4-.228

No of Spaces: 10

Reed: 11-05-031. Bitting is double, same both sides.

*2/3, 5/6 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #FH1 would read 3112143 and should be extended to read 3111221443. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Kenworth

Series: G101-598

Blank: 596807 (Orig.)

Depths

1-.340

Cuts Start at: .144

2-.315

Spacing: .092

3-.290

Block #: 3

4-.265

Incr: .025

No of Spaces: 6

Spaces: .144, .236, .328, .420, .512, .604

Reed: 11-05-040. Bitting is double, same both sides. Use Ford 5 pin spacing clip. Set starting cut at .144 (first cut from bow).

Mfgr: Kia

Series: Y7000-8000

Models: Sephia

Blanks: X233

Depths

1-.282

Cuts Start at: .098

Spacing:.0985 1st 6 spaces; .118 to 7 space

2-.262

Block #: 5

3-.242

Incr: .020

4-.222

No of Spaces: 7

Spaces: .098, .197, .295, .394, .492, .591, .709

Bitting is double, same both sides.

Mfgr: Kwikset

Series: Old

Blank: 1176

Depths

1-.328

Cuts Start at: .247

Spacing: .150

3-.297

Block #: 2

5-.266

Incr: .031

7-.235

No of Spaces: 5

Spaces: .247, .397, .547, .697, .847. Cuts are .080 wide.

~~K~~ Mfgr: Kwikset

Series: New & Corbin GH

Depths

1-.329

Blank: 1176

2-.306

Cuts Start at: .247

3-.283

Spacing: .150

4-.260

Block #: 2

5-.237

Incr: .023

6-.214

No of Spaces: 5

7-.191

Spaces: .247, .397, .547, .697, .847

Mfgr: Kwikset
 Series: Titan
 Blank: A1176ST
 Cuts Start at: .097
 Spacing: .150
 Block #: 2
 Incr: .023
 No of Spaces: 6
 Spaces: .097, .247, .397, .547, .697, .847 Depths
 1-.329
 2-.306
 3-.283
 4-.260
 5-.237
 6-.214
 7-.191

Mfgr: Lada
 Series: LU1-1280
 Blank: LD3R Silca
 Cuts Start at: .232
 Spacing: .098
 Block #: 3
 Incr: .024
 No of Spaces: 8
 Spaces: .232, .330, .428, .526, .624, .722, .820, .918
 Reed: 10-02-084.

Mfgr: Lamborghini
 Series: A0501-3278; A+5 Digits (0-9-8-4-6)
 Models: Countach, Urraco, etc.
 Blank: X109
 Cuts Start at: .146
 Spacing: .104
 Block #: 4
 Incr: .020
 No of Spaces: 5
 Spaces: .146, .250, .354, .459, .563
 Reed: 05-02-008 & 021.

Mfgr: Lamborghini
 Series: K3301-4886
 Models: Countach, Jalpa, etc.
 Blank: X152
 Cuts Start at: .146
 Spacing: .104
 Block #: 4
 Incr: .0196
 No of Spaces: 6
 Spaces: .146, .250, .354, .458, .562, .666
 Reed: 07-03-001. Bitting is double, same both sides.

Mfgr: Lamborghini**Series: 1501-1900; 1901-2000; 3501-3900; 3901-4000****Models: Countach, Espada, etc.**

Blanks:	FT37, FT38	Depths
Cuts Start at:	.217	1-.272
Spacing:	.110	2-.240
Block #:	3	3-.209
Incr:	.0315	
No of Spaces:	6	
Spaces:	.217, .327, .437, .547, .657, .768	
Reed:	04-04-042, 05-02-151.	

Mfgr: Lamborghini**Series: 2100-2309; 4100-4309; 6100-6309; 8100-8309**

Blanks:	F91C2, F91C, F91CR, F91C8	Depths
Cuts Start at:	.221	1-.268
Spacing:	.0985	2-.244
Block #:	5	3-.220
Incr:	.025	
No of Spaces:	5	
Spaces:	.221, .320, .418, .517, .615	
Reed:	05-02-006. Bitting is double, same both sides.	

Mfgr: Lancia**Series: A0501-3278; A+5 Digits (0-9-8-4-6)**

Blank:	X109	Depths
Cuts Start at:	.146	0-.272
Spacing:	.104	9-.260
Block #:	4	8-.240
Incr:	.020	4-.220
No of Spaces:	5	6-.200
Spaces:	.146, .250, .354, .459, .563	
Reed:	05-02-008 & 021.	

Mfgr: Lancia**Series: G2001-3000; G7001-9956**

Blanks:	X167, NE54	Depths
Cuts Start at:	.220	1-.299
Spacing:	.110	2-.272
Block #:	3	3-.244
Incr:	.0273	4-.217
No of Spaces:	6	
Spaces:	.220, .330, .440, .550, .660, .770	
Reed:	08-02-031, 10-02-001.	
Bitting is double, same both sides.		

Mfgr: Lancia
 Series: J3001-6732
 Blanks: NE57 Depths
 Cuts Start at: .145 1-.313
 Spacing: .090 2-.286
 Block #: 3 3-.258
 Incr: .0275 4-.231
 No of Spaces: 7
 Spaces: .145, .235, .325, .415, .505, .595, .685
 Reed: 10-02-007.
 Bitting is double, same both sides.

Mfgr: Legge Depths
 Series: All 1-.306
 Models:
 Blank: 66 2-.286
 Cuts Start at: .218 3-.266
 Spacing: .172 4-.246
 Block #: N/A 5-.226
 Incr: .020 6-.206
 No of Spaces: 5 or 6 7-.186
 Spaces: .218, .390, .562, .734, .906, 1.078 8-.166

Mfgr: Letterboxes Depths
 Series: Miscellaneous 0-.290
 Blank: ES9 1-.272
 Cuts Start at: .187 2-.254
 Spacing: .125 3-.236
 Block #: 1 4-.218
 Incr: .018 5-.200
 No of Spaces: 5 6-.182
 Spaces: .187, .312, .437, .562, .687
 Eleven mailbox companies are using this series.

Mfgr: Lincoln
Series: 101 A,B,C,D,E - 624
Model: Continental, Mark Series, Town Car
Blank: 1188LN-P, 1190LN **Depths**
Cuts Start at: .217 1-.352
Spacing: .0925 (FD84) 2-.326
Block #: 1 3-.300
Incr: .026 4-.274
No of Spaces: 10 5-.248
Spaces: .217,.310,.402,.495,.587,.680,.772,.865,.957,1.050
Reed: 08-04-001. Bitting is double, same both sides.
 Use narrow side of vise. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Lincoln
Series: FA & FB0-1863
Models: Continental, Mark Series, Town Car
Blank: 1167FD, S1167FD, etc. De
Cuts Start at: .100 1-
Spacing: .150 2-
Block #: 2 3-
Incr: .020 4-
No of Spaces: 5 5-
Spaces: .100, .250, .400, .550, .700
Reed: 01-06-045. Bitting is double, same both sides.
Use narrow side of vise. Use Ford 5 pin spacing clip and set
starting cut at .100. See cutting procedure on page 33.

Mfgr: LSDA	Depths
Series: LSA	0-.322
Blank: 20 (LSDA)	1-.304
Cuts Start at: .216	2-.286
Spacing: .156	3-.268
Block #: 1	4-.250
Incr: .018	5-.232
No of Spaces: 6	6-.214
Spaces: .216, .372, .528, .684, .840, .996	7-.196 8-.178 9-.160

Mfgr:	Lockwood	Depths
Series:	001-2100	1-.275
Blank:	DL91	2-.260
Cuts Start at:	.145	3-.245
Spacing:	.125	4-.230
Block #:	1	5-.215
Incr:	.015	6-.200
No of Spaces:	5	7-.185
Spaces:	.145, .270, .395, .520, .645	

Mfgr:	Lockwood	
Series:	CL000-1000; 001-960	
Blank:	24	Depths
Cuts Start at:	.135	1-.250
Spacing:	.093	2-.230
Block #:	1	3-.210
Incr:	.020	4-.190
No of Spaces:	5	
Spaces:	.135, .228, .321, .414, .507	

Mfgr:	Lockwood	Depths
Series:	Standard; X	0-.320
Blank:	1004	1-.302
Cuts Start at:	.277	2-.284
Spacing:	.156	3-.266
Block #:	1	4-.248
Incr:	.018	5-.230
No of Spaces:	5	6-.212
Spaces:	.277, .433, .589, .745, .901	7-.194
		8-.176
		9-.158

Mfgr:	Lockwood	Depths
Series:	K, Pin Tumbler	1-.360
Blanks:	1015C, A1015C, etc.	2-.346
Cuts Start at:	.225	3-.332
Spacing:	.150	4-.318
Block #:	2	5-.304
Incr:	.014	6-.290
No of Spaces:	5 or 6	7-.276
Spaces:	.225, .375, .525, .675, .825, .975	8-.262
		9-.248

Mfgr:	Lockwood	Depths
Series:	Sectional	0-.338
Blank:	1015	1-.320
Cuts Start at:	.277	2-.302
Spacing:	.156	3-.284
Block #:	1	4-.266
Incr:	.018	5-.248
No of Spaces:	5	6-.230
Spaces:	.277, .433, .589, .745, .901	7-.212 8-.194 9-.176

Mfgr:	Lockwood	Depths
Series:	Small Pin, Peanut Cylinder	1-.270
Blank:	1004M	2-.252
Cuts Start at:	.185	3-.234
Spacing:	.125	4-.216
Block #:	1	5-.198
Incr:	.018	6-.180
No of Spaces:	5	7-.162
Spaces:	.185, .310, .435, .560, .685	

Mfgr:	Lockwood	Depths
Series:	Small Pin	1-.270
Blank:	1004M	2-.252
Cuts Start at:	.185	3-.234
Spacing:	.125	4-.216
Block #:	1	5-.198
Incr:	.018	6-.180
No of Spaces:	5	7-.162
Spaces:	.185, .310, .435, .560, .685	

Mfgr:	Lori	Depths
Series:	80 & 90; Pin Tumbler	1-.320
Blank:	1022	2-.302
Cuts Start at:	.248	3-.284
Spacing:	.156	4-.266
Block #:	1	5-.248
Incr:	.018	6-.230
No of Spaces:	5 or 6	7-.212
Spaces:	.248, .404, .560, .716, .872, 1.028	8-.194 9-.176

Mfgr: Lori
 Series: A3000-3124
 Blank: X1014X, X1014F
 Cuts Start at: .216
 Spacing: .156
 Block #: 1
 Incr: .036
 No of Spaces: 5
 Spaces: .216, .372, .528, .684, .840

	Depths
Mfgr: Lori	1-.270
Series: 1400 Mailbox	2-.257
Blank: L-150 Orig	3-.245
Cuts Start at: .156	4-.232
Spacing: .125	5-.220
Block #: 1	6-.207
Incr: .0125	7-.195
No of Spaces: 5	8-.182
Spaces: .156, .281, .406, .531, .656	9-.170

	Depths
Mfgr: Lori	1-.241
Series: P; 1700 Wafer	2-.211
Blanks: L-400, L-410	3-.181
Cuts Start at: .152	
Spacing: .093	
Block #: 1	
Incr: .030	
No of Spaces: 5	
Spaces: .152, .245, .338, .431, .524	

	Depths
Mfgr: Lori	1-.318
Series: L100; 4200	2-.300
Blank: X1014F, 1014	3-.282
Cuts Start at: .216	4-.264
Spacing: .156	5-.246
Block #: 1	6-.228
Incr: .018	7-.210
No of Spaces: 5	
Spaces: .216, .372, .528, .684, .840	8-.192
For Lori locks using Schlage, Yale & Segal keyways, see charts for those keyways.	9-.174

Mfgr:	Lori	Depths
Series:	L210	1-.318
Blank:	L210 (Orig)	2-.300
Cuts Start at:	.248	3-.282
Spacing:	.156	4-.264
Block #:	1	5-.246
Incr:	.018	6-.228
No of Spaces:	5	7-.210
Spaces:	.248, .404, .560, .716, .872	8-.192
		9-.174

Mfgr: Lowe & Fletcher
 Series: 6001-6200; 60001-60200
 Blank: K1122D
 Cuts Start at: .125
 Spacing: .093
 Block #: 1
 Incr: Var.
 No of Spaces: 5
 Spaces: .125, .218, .311, .404, .497
 Reed: 05-03-001

Mfgr: L & F
 Series: 91201-91350
 Blank: HN2
 Cuts Start at: .160
 Spacing: .090
 Block #: 3
 Incr: .035
 No of Spaces: 5
 Spaces: .160, .250, .340, .430, .520
 Reed: 10-04-146.

Mfgr: L & F
 Series: 81001-87000
 Blank: LF24
 Cuts Start at: .169
 Spacing: .091
 Block #: 5
 Incr: .028
 No of Spaces: 8
 Spaces: .169, .260, .351, .442, .533, .624, .715, .806
 Reed: 10-04-121. Bitting is double, same both sides.

Mfgr: L & F

Series: 70201-71000

Blank: LF14

Depths

Cuts Start at: .102

1-.197

Spacing: .087

2-.169

Block #: 4

3-.142

Incr: .0275

No of Spaces: 7

Spaces: .102, .189, .276, .363, .450, .537, .624

Reed: 10-04-117.

Mfgr: L & F

Series: 17001-19000; 19101-19400

Blank: LF23

Depths

Cuts Start at: .126

1-.275

Spacing: .093

2-.256

Block #: 1

3-.236

Incr: .020

4-.216

No of Spaces: 6

Spaces: .126, .219, .312, .405, .498, .591

Reed: 10-04-106. Bitting is double, same both sides.

Mfgr: L & F

Series: 60 & 90 201-400

Blank: LF1

Depths

Cuts Start at: .160

1-.235

Spacing: .095

2-.205

Block #: 1

3-.175

Incr: .030

No of Spaces: 5

Spaces: .160, .255, .350, .445, .540.

Last three digits are code numbers.

Mfgr: L & F Cam Locks

Series: 95000-99000

Blank: K81D

Depths

Cuts Start at: Short = .200, Long = .185

1-.265

Spacing: Var.

2-.235

Block #: N/A

3-.205

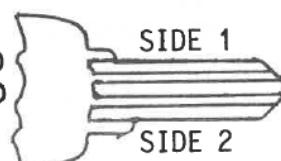
Incr: .030

No of Spaces: 5

Spaces: Short = .200, .285, .410, .475, .600

Long = .185, .310, .380, .510, .580

Bitting is double, staggered cuts.



Mfgr: Loxem
 Series: 601-1100
 Blank: 1098X Depths
 Cuts Start at: .156 1-.250
 Spacing: .094 2-.235
 Block #: 3 3-.220
 Incr: .015 4-.205
 No of Spaces: 5 5-.190
 Spaces: .156, .250, .344, .438, .532

Mfgr: Lustre-Line
 Series: Key-in-Knob
 Blank: 1176 Depths
 Cuts Start at: .170 1-.310
 Spacing: .190 2-.290
 Block #: N/A 3-.270
 Incr: .020 4-.250
 No of Spaces: 5 5-.230
 Spaces: .170, .360, .550, .740, .930 6-.210
 7-.190

Mfgr: Mack Truck
 Series: A4AA-A4JZ
 Models: Midliner, etc.
 Blank: R62UC Depths
 Cuts Start at: .152 1-.270
 Spacing: .098 2-.247
 Block #: 3 3-.224
 Incr: .023
 No of Spaces: 5
 Spaces: .152, .250, .348, .446, .544
 Reed: 05-02-133. Bitting is double, same both sides.

Mfgr: Mack Truck
 Series: E, M, N & U1-100; HG140-189
 Models: Midliner, etc.
 Blanks: NE10, X163 Depths
 Cuts Start at: .260 1-.180
 Spacing: .130 2-.200
 Block #: 2 3-.220
 Incr: .020 4-.240
 No of Spaces: 4 5-.260
 Spaces: .260, .390, .520, .650
 Reed: 07-03-028.

Mfgr: Mack Truck
Series: H601-1100; M000-221
 Blank: 1098M **Depths**
 Cuts Start at: .150 1-.250
 Spacing: .093 2-.235
 Block #: 1 3-.220
 Incr: .015 4-.205
 No of Spaces: 5 5-.190
 Spaces: .150, .243, .336, .429, .522
 Reed: 01-02-023, 08-05-001.

Mfgr: Magirus-Deutz
Series: A3AA-A3JZ; A4AA-A4JZ
Models: Trucks
 Blanks: 62UC, R62UC **Depths**
 Cuts Start at: .152 1-.270
 Spacing: .098 2-.247
 Block #: 3 3-.224
 Incr: .023
 No of Spaces: 6
 Spaces: .152, .250, .348, .446, .544, .642
 Reed: 05-02-133. Bitting is double, same both sides.

Mfgr: Magirus-Deutz
Series: E, M, N & U1-100; HG140-189
Models: Trucks
 Blanks: NE10, X163 **Depths**
 Cuts Start at: .260 1-.180
 Spacing: .130 2-.200
 Block #: 2 3-.220
 Incr: .020 4-.240
 No of Spaces: 4 5-.260
 Spaces: .260, .390, .520, .650
 Reed: 07-03-028.

Mfgr: Magirus-Deutz
Series: J, R & V1-224
Models: Trucks
 Blanks: KM3, KM8, X89 **Depths**
 Cuts Start at: .220 1-.270
 Spacing: .094 2-.250
 Block #: 3 3-.230
 Incr: .020
 No of Spaces: 5
 Spaces: .220, .314, .408, .502, .596
 Reed: 06-01-196, 198. Bitting is double, same both sides.

Mfgr: Maserati**Series: A0501-3278; A+5 Digits (0-9-8-4-6)**

Blank:	X109	Depths
Cuts Start at:	.146	0-.272
Spacing:	.104	9-.260
Block #:	4	8-.240
Incr:	.020	4-.220
No of Spaces:	5	6-.200
Spaces:	.146, .250, .354, .459, .563	
Reed:	05-02-008 & 021.	

Mfgr: Maserati**Series: RO1001-2000****Models: Biturbo, Quattroporte, etc.**

Blank:	X157	Depths
Cuts Start at:	.108	1-.314
Spacing:	.094	2-.289
Block #:	3	3-.264
Incr:	.025	4-.239
No of Spaces:	9	
Spaces:	.108, .202, .296, .390, .484, .578, .672, .766, 860	
Reed:	05-02-119. Bitting is double, same both sides.	

Mfgr: Maserati**Series: 1100-1789; 3100-3789; 5100-5789****Models: 228, 430, etc.**

Blanks:	X64, X79, X78	Depths
Cuts Start at:	.110	1-.236
Spacing:	.106	2-.204
Block #:	4	3-.173
Incr:	.0315	
No of Spaces:	6	
Spaces:	.110, .216, .322, .428, .534, .640	
Reed:	05-02-001.	

Mfgr: Maserati**Series: 2100-2309; 4100-4309; 6100-6309; 8100-8309**

Blanks:	F91C2, F91C, F91CR, F91C8	Depths
Cuts Start at:	.221	1-.268
Spacing:	.0985	2-.244
Block #:	5	3-.220
Incr:	.025	
No of Spaces:	5	
Spaces:	.221, .320, .418, .517, .615	
Reed:	05-02-006. Bitting is double, same both sides.	

Mfgr: Maserati
Series: 1501-1900; 1901-2000; 3501-3900; 3901-4000
Blanks: FT37, FT38 Depth
Cuts Start at: .217 1-.272
Spacing: .110 2-.240
Block #: 3 3-.209
Incr: .0315
No of Spaces: 6
Spaces: .217, .327, .437, .547, .657, .768
Reed: 04-04-042, 05-02-151.

Mfgr: Master	Depths
Series: Pin Tumbler	0-.320
Blank: MD1054K	1-.305
Cuts Start at: .216	2-.290
Spacing: .155	3-.275
Block #: 2	4-.260
Incr: .015	5-.245
No of Spaces: 5	6-.230
Spaces: .216, .371, .526, .681, .836	7-.215 8-.200 9-.185

Mfgr: Master	Depths
Series: H, K, L	0-.275
Blanks: 1092, 1092V, 1092VM, 1092N, 1092H, etc.	1-.260
Cuts Start at: .187	2-.245
Spacing: .125	3-.230
Block #: 1	4-.215
Incr: .015	5-.200
No of Spaces: 5	6-.185
Spaces: .187, .312, .437, .562, .687	7-.170

Mfgr: Master	Depths
Series: #150 & #160 Large	0-.270
Blanks: 1092N & 1092NR	1-.255
Cuts Start at: .150	2-.240
Spacing: .129	3-.225
Block #: 5	4-.210
Incr: .015	5-.195
No of Spaces: 5	6-.180
Spaces: .150, .279, .408, .537, .666	7-.165 8-.150

Mfgr: Master **Depths**
Series: 10R00 - 60R70 0-.282
Blanks: 1092V, 1092VM 1-.267
Cuts Start at: .187 2-.252
Spacing: .125 3-.237
Block #: 1 4-.222
Incr: .015 5-.207
No of Spaces: 5 6-.192
Spaces: .187, .312, .437, .562, .687 7-.177

Mfgr: Master **Depths**
Series: 7K 0-.212
Blank: 1092B 1-.196
Cuts Start at: .132 2-.181
Spacing: .125 3-.165
Block #: 1 4-.150
Incr: .0155 5-.134
No of Spaces: 4 6-.119
Spaces: .132, .257, .382, .507. Use narrow side of vise.

Mfgr: Master **Depths**
Series: #19 Padlocks 0-.372
Blank: 1092J 1-.347
Cuts Start at: .213 2-.322
Spacing: .156 3-.297
Block #: 1 4-.272
Incr: .025 5-.247
No of Spaces: 6 6-.222
Spaces: .213, .369, .525, .681, .837, .993 7-.197

Mfgr: Mazda
Series: 101 A,B,C,D,E - 624
Model: Navajo, Pickups, etc.
Blank: X206, 1184FD **Depths**
Cuts Start at: .217 1-.352
Spacing: .0925 (FD84) 2-.326
Block #: 1 3-.300
Incr: .026 4-.274
No of Spaces: 10 5-.248
Spaces: .217, .310, .402, .495, .587, .680, .772, .865, .957, 1.050
Reed: 08-04-001. Bitting is double, same both sides.
Use narrow side of vise. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Mazda

Series: FB0-1863

Models: Navajo, Trucks, etc.

Blank:	S1167FD	Depths
Cuts Start at:	.100	1-.340
Spacing:	.150	2-.320
Block #:	2	3-.300
Incr:	.020	4-.280
No of Spaces:	5	5-.260

Spaces: .100, .250, .400, .550, .700

Reed: 01-06-045. Bitting is double, same both sides.

Use narrow side of vise. Use Ford 5 pin spacing clip and set starting cut at .100. See cutting procedure on page 33.

Mfgr: Mazda

Series: FH & VH001-3948

Models: R100, R200, etc.

Blanks:	DA20, X1	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	5-.166

Reed: 03-05-201.

Mfgr: Mazda

Series: M0001-1100; M2001-3392

Model: Cosmo

Blank:	X60	Depths
Cuts Start at:	.098	2-.276
Spacing:	.0985	3-.256
Block #:	5	4-.236
Incr:	.0197	5-.217

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 06-01-113, 08-02-080. Bitting is double, same both sides. If deep cut is found in first position, cut a #2 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Mazda

Series: 002-989

Model: Pickup, Trucks

Blank: X36

Cuts Start at:	.175	Depths
Spacing:	.110	1-.245
Block #:	3	2-.230
Incr:	Var.	3-.210
No of Spaces:	5	4-.180

Spaces: .175, .285, .395, .505, .615

Reed: 06-01-130.

Mfgr: Mazda

Series: 1500-1999; 2000-2499; 3500-4600; 5000-6100

Models: Pickup, Trucks, R100, R200, RX4, RX7, etc.

Blank: X5, X4 only. See below for X26 & X27.

Cuts Start at:	.480	Depths
Spacing:	.0985	1-.244
Block #:	5	2-.276
Incr:	.0315	3-.307

No of Spaces: 7

Spaces: .480, .579, .677, .776, .874, .973, 1.071

Reed: 03-05-218, 06-01-124 & 131.

Bitting is double, same both sides.

Mfgr: Mazda

Series: 2500-2999; 3000-3499; 3500-4600; 5000-6100

Models: RX4, RX7, etc.

Blank: X26, X27 only. See above for X5 & X4.

Cuts Start at:	.310	Depths
Spacing:	.0985	1-.252
Block #:	5	2-.283
Incr:	.0315	3-.315

No of Spaces: 7

Spaces: .310, .409, .507, .606, .704, .803, .901

Reed: 03-05-218, 06-01-124 & 131.

Bitting is double, same both sides.

Mfgr: Mazda**Series: 6500-7733****Models: MPV Van, GLC, MX6, RX7, 323, 626, 929, etc.**

Blanks: X131, X178, X199(V)	Depths
Cuts Start at: .088	1-.315
Spacing: .0985	2-.295
Block #: 5	3-.276
Incr: .0197	4-.256

No of Spaces: 7**Spaces: .088, .187, .285, .384, .482, .581, .679****Reed: 08-02-087. Bitting is double, same both sides.****Use Ford 5 pin spacing clip and set starting cut at .088. See cutting procedure on page 33.****Mfgr: Mazda****Series: 11111-44444****Model: Truck Gas Caps**

Blank: HD8	Depths
Cuts Start at: .090	1-.180
Spacing: .100	2-.200
Block #: 3	3-.220
Incr: .020	4-.235

No of Spaces: 5**Spaces: .090, .190, .290, .390, .490****Reed: 06-01-112. If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.****Mfgr: Mazda****Series: 10100-12099****Models: Miata, MPV Van, Protege, MX6, RX7, 626, 929, etc.**

Blanks: X188, X200(V), X201, X222, X230(V)	Depths
Cuts Start at: .098	1-.315
Spacing: .083	2-.299
Block #: 5	3-.283
Incr: .0157	4-.268

No of Spaces: 10**Spaces: .098, .181, .264, .346, .429, .512, .594, .677, .760, .843****Reed: 10-02-090. Bitting is double, same both sides.****If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.**

Mfgr: McKinney

Series: Padlocks

Blank:	1098X	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.235
Block #:	1	3-.220
Incr:	.015	4-.205
No of Spaces:	5	5-.190
Spaces:	.150, .243, .336, .429, .522	

Mfgr: Medeco (Small)

Series: Short Space

Blank:	60-010	Depths
Cuts Start at:	Pre 76 = .216 After 76 = .244	3-.205
Spacing:	.170	4-.175
Block #:	1	5-.145
Incr:	.030	6-.115

Mfgr: Medeco

Commercial Depths

Series: Commercial	1-.265
Blank: See Codes	2-.235
Cuts Start at: .244	3-.205
Spacing: .170	4-.175
Block #: 1	5-.145
Incr: .030	6-.115

No of Spaces: 5 or 6

Spaces: .244, .414, .584, .754, .924, 1.094

Use narrow side of vise. Use FC8612 cutter. Mastered Cuts

0-.265
 Keys must be decoded as to depth and angle of cut.
 By holding bow of key in left hand and blade of key
 facing you, angle will be straight across, left or right.

Spacing is critical. Do not use bottom shoulder to
start spacing. Start spacing from top shoulder only.

BOW

L R C L R L



X-.115

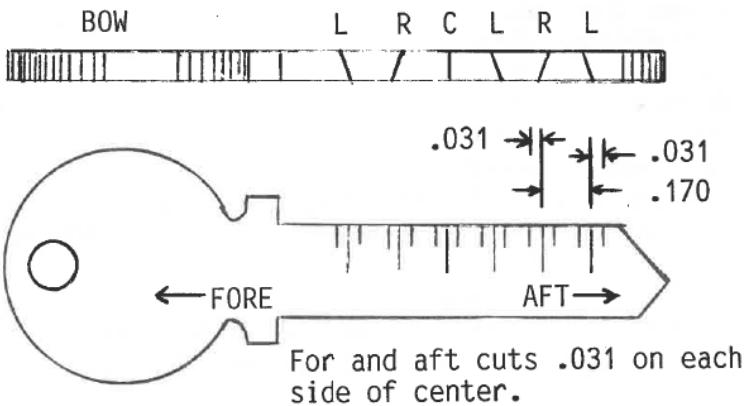
Mfgr: Medeco	Biaxial Depths
Series: Biaxial	1-.272
Blank: See Codes	2-.247
Cuts Start at: .244	3-.222
Spacing: See below.	4-.197
Block #: 4	5-.172
Incr: .025	6-.147

No of Spaces: 5 or 6

Use narrow side of vise. Use FC8612 cutter. Keys must be decoded as to depth and angle of cut. By holding bow of key in left hand and blade of key facing you, angles will be straight across, left or right. Spacing is critical. Do not use bottom shoulder to start spacing. Start spacing from top shoulder only.

Fore Cuts		
K	B	Q
Left Cuts	L	C R
	M	D S
Aft Cuts		

Example: A "K" cut is a Fore/Left. An "S" cut is an Aft/Right.



Mfgr: Mercedes

Series: A, B, E, KA, KB, KE, KN, KV, KW, N, TA, TB, TE, TN, TV, TW, V & W001-100; N201-300; X1-150

Blanks: M63E, MR63E, YM4, 63E, 63TV, 63E, 63C, etc.

Cuts Start at: .155	Depths
Spacing: .125	5-.260
Block #: 1	4-.245
Incr: .015	3-.230
No of Spaces: 5	2-.215
Spaces: .155, .280, .405, .530, .655	0-Precut
Reed: 07-03-237, 242, 256.	

Mfgr: Mercedes**Series: A, D & M11111-55555****Blanks: R61N, MB59**

	Depths
Cuts Start at: .150	1-.217
Spacing: .130	2-.236
Block #: 2	3-.256
Incr: .0197	4-.276
No of Spaces: 5	5-.285
Spaces: .150, .280, .410, .540, .670	
Reed: 06-01-170.	

Mfgr: Mercedes**Series: C, D, E & F064-126****Blanks: MB4, MB5**

	Depths
Cuts Start at: .180	1-.235
Spacing: .120	2-.210
Block #: 2	3-.180
Incr: Var.	
No of Spaces: 5	
Spaces: .180, .300, .420, .540, .660	
Reed: 07-03-259.	

Mfgr: Mercedes**Series: HD, ND & NM4001-7350; HF & NF1-1200; HM2501-7350; HZ & NZ1-1200; HZ & NZ4001-5795; HF, HZ, NF & NZ01-05 thru 42-59****Models: 300, 380, 450, 500, 560, 600, etc.**

	Depths
Blanks: MB18, MB17, MB15, MB16	
Cuts Start at: .105	1-.285
Spacing: .090	2-.265
Block #: 3	3-.245
Incr: .020	4-.225

No of Spaces: 10**Spaces: .105, .195, .285, .375, .465, .555, .645, .735, .825, .915****Reed: 05-02-188. Bitting is double, same both sides.**

Mfgr: Mercedes**Series: HU, HY, NU & NY6001-8130****Models: 240D, 280S, 300CD, 300D, 300TD, etc.**

Blanks:	X82, X83, MB38(V), MB40(V)	Depths
Cuts Start at:	.106	1-.327
Spacing:	.083	2-.303
Block #:	5	3-.280
Incr:	.024	4-.256

No of Spaces: 10**Spaces: .106, .189, .272, .354, .437, .520, .602, .685, .768, .850****Reed: 06-01-155. Bitting is double, same both sides.****If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.****Mfgr: Mercedes****Series: KSD, KSM, KSN, KSR, KST, LSR, SD, SM, SN,
SR, ST, TSD, TSM, TSN, TSR & TST1-750**

Blanks:	HF3, HF9, HF14, HF15, HF16, etc.	Depths
Cuts Start at:	.140	1-.256
Spacing:	.090	2-.241
Block #:	3	3-.226
Incr:	.015	4-.211
No of Spaces:	5	5-.196

Spacing: .140, .230, .320, .410, .500

Reed: 02-04-060.

Mfgr: Mercedes**Series: 5350-5430; 5436-5494**

Blanks:	X63	Depths
Cuts Start at:	.165	1-.265
Spacing:	.095	2-.250
Block #:	1	3-.235
Incr:	.015	4-.220

No of Spaces: 4**Spaces: .165, .260, .355, .450****Reed: 07-03-266, 267.**

Mfgr: **Mercedes**
 Series: 5406-5552
 Blank: XD63 Depths
 Cuts Start at: .155 2-.235
 Spacing: .100 3-.225
 Block #: 3 4-.215
 Incr: .010
 No of Spaces: 4
 Spaces: .155, .255, .355, .455
 Reed: 08-02-030.

Mfgr: **Mercedes**
 Series: Haga
 Models: Truck
 Blanks: X51 or X82 Depths
 Cuts Start at: .100 1- NC
 Spacing: Merc. Tr. 2-.275
 Block #: 4 3-.250
 Incr: .025 4-.225
 No of Spaces: 10
 Spaces: 1 2---3 4 5---6 7 8---9 10
 .100 .200 .260 .340 .440 .500 .620 .700 .760 .875
 Bitting is double, same both sides.

Mfgr: **Mercedes**
 Series: Univel
 Models: Truck
 Blanks: X188 or X9 Depths
 Cuts Start at: .100 1- NC
 Spacing: Merc. Tr. 2-.275
 Block #: 4 3-.250
 Incr: .025 4-.225
 No of Spaces: 10
 Spaces: 1 2---3 4 5---6 7 8---9 10
 .100 .180 .230 .335 .420 .470 .580 .710 .760 .885
 Bitting is double, same both sides.

Mfgr: Mercury**Series: 101 A,B,C,D,E - 624****Models: Cougar, Grand Marquis, Sable, Topaz, Tracer, Villager, etc.****Blanks: 1193MU, 1191ET, 1186TS, 1184FD, etc. Depths****Cuts Start at: .217 1-.352****Spacing: .0925 (FD84) 2-.326****Block #: 1 3-.300****Incr: .026 4-.274****No of Spaces: 10 5-.248****Spaces: .217,.310,.402,.495,.587,.680,.772,.865,.957, 1.050****Reed: 08-04-001, 10-04-011. Bitting is double, same both sides.****Use narrow side of vise. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.****Mfgr: Mercury****Series: B & D01-01 - 64-64****Model: Capri****Blank: KL2 Depths****Cuts Start at: SH = .215, PL = .185 1-.310****Spacing: .138 2-.287****Block #: 2 3-.264****Incr: .023 4-.241****No of Spaces: 5****Spaces: SH = .215, .353, .491, .629, .767****PL = .185, .323, .461, .599, .737****Reed: 03-05-058. Bitting is double, staggered cuts.****Mfgr: Mercury****Series: EL & ER1-195; PN101-295****Model: Capri****Blanks: X21, X22, X20 Depths****Cuts Start at: .135 1-.275****Spacing: .130 3-.255****Block #: 2 5-.235****Incr: .020****No of Spaces: 5****Spaces: .135, .260, .395, .525, .655****Reed: 05-02-167.**

Mfgr: Mercury

Series: FA & FBO-1863

Models: Cougar, Grand Marquis, Lynx, Sable, etc.

Blank:	1167FD, S1167FD, 1181FD, S1181FD	Depths
Cuts Start at:	.100	1-.340
Spacing:	.150	2-.320
Block #:	2	3-.300
Incr:	.020	4-.280
No of Spaces:	5	5-.260

Spaces: .100, .250, .400, .550, .700

Reed: 01-06-045. Bitting is double, same both sides.

Use narrow side of vise. Use Ford 5 pin spacing clip and set starting cut at .100. See cutting procedure on page 33.

Mfgr: Mercury

Series: TC1-1000

Model: Capri

Blanks:	X86, X20	Depths
Cuts Start at:	.075	1-.320
Spacing:	*	2-.295
Block #:	N/A	3-.270
Incr:	Var.	4-.240
No of Spaces:	10	

Spaces: 2 & 3, 5 & 6, 9 & 10 are double cuts.

* 1 2----3 4 5----6 7 8 9---10

.075 .164 .216 .310 .409 .461 .545 .645 .744 .796

Reed: 05-02-125. Bitting is double, same both sides.

Mfgr: Mercury

Series: TX1-1859

Model: Capri

Blanks:	X20, X86	Depths
Cuts Start at:	.075	1-.325
Spacing:	*	2-.301
Block #:	N/A	3-.278
Incr:	.024	4-.254
No of Spaces:	10	

Spaces: 2 & 3, 5 & 6, 9 & 10 are double cuts.

* 1 2----3 4 5----6 7 8 9---10

.075 .164 .216 .310 .409 .461 .545 .645 .744 .796

Reed: 06-01-074, 07-03-201. Bitting is double, same both sides.

Mfgr: Mercury

Series: XL & XR1-195

Model: Capri

Blanks: X21 & X22

Depths

Cuts Start at: .140

1-.287

Spacing: .118

2-.267

Block #: 5

3-.247

Incr: .020

4-.227

No of Spaces: 5

Spaces: .140, .258, .376, .494, .612

Reed: 05-02-131. Bitting is double, same both sides.

Mfgr: Mercury

Series: 6500-7733

Models: Capri, Tracer

Blanks: X202, X207

Depths

Cuts Start at: .439

1-.315

Spacing: .0985

2-.295

Block #: 5

3-.276

Incr: .0197

4-.256

No of Spaces: 7

Spaces: .088, .187, .285, .384, .482, .581, .679

Reed: 08-02-087. Bitting is double, same both sides.

Lay spacing clip FLAT and set starting cut at .439. See cutting procedure on page 33.

Mfgr: Mercury Outboard

Series: 1A-1F; 2A-2F

Blanks: See Code Books

Depths

Cuts Start at: .150

1-.246

Spacing: .125

2-.186

Block #: 1

Incr: .060

No of Spaces: 5

Spaces: .150, .275, .400, .525, .650

Mfgr: Merkur

Series: TX1-1859

Models: Scorpio, XR4Ti

Blank:	X86	Depths
Cuts Start at:	.075	1-.325
Spacing:	*	2-.301
Block #:	N/A	3-.278
Incr:	.024	4-.254

No of Spaces: 10

Spaces: 2 & 3, 5 & 6, 9 & 10 are double cuts.

* 1 2----3 4 5----6 7 8 9---10

.075 .164 .216 .310 .409 .461 .545 .645 .744 .796

Reed:06-01-074,07-03-201. Bitting is double, same both sides.

Mfgr: Metal Rousseau

Series: E & X1-5000

Blank:	MR3	Depths
Cuts Start at:	.348	1-.195
Spacing:	.156	2-.210
Block #:	1	3-.225
Incr:	.015	4-.240
No of Spaces:	5	5-.255
Spaces:	.348, .504, .660, .816, .972	6-.270

Mfgr: M.G.

Series: BL7001-9000; 7001-9000

Blanks:	X29	Depths
Cuts Start at:	.098	1-.298
Spacing:	Var.	2-.275
Block #:	N/A	3-.252
Incr:	.023	4-.229
No of Spaces:	10 *	

Spaces: .098 .185 .272 .359 .446 .533 .628 .678 .778 .823

Reed: 07-03-063. * 7/8 and 9/10 are double cuts. Some code books list all 10 cuts while others list only eight. Before cutting key, extend code number to read all 10 cuts. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: M.G.

Series: F11111M - F77777M (A-Z 1-2-3-5-7 A-Z)

Blank:	X12	Depths
Cuts Start at:	.100	1-.185
Spacing:	.102	2-.200
Block #:	3	3-.215
Incr:	.015	5-.230
No of Spaces:	5	7-.245
Spaces:	.100, .202, .304, .406, .508	
Reed:	06-01-171.	

Mfgr: M.G.

Series: FA501-625; FNR1-54; FP626-750; MRN1-54

Blanks:	62DG, 62DK, 62DP, 62DH, etc.	Depths
Cuts Start at:	.162	1-.238
Spacing:	.095	2-.205
Block #:	1	3-.175
Incr:	.0315	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542 - Run out cut to end of key.	
Reed:	02-04-048, 049, 051, 06-01-021.	

Mfgr: M.G.

Series: FK876-955; FS01-99; FS876-955

Blank:	62FS	Depths
Cuts Start at:	.162	1-.236
Spacing:	.095	2-.204
Block #:	1	3-.172
Incr:	.032	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542	
Reed:	05-02-427.	

Mfgr: M.G.

Series: FR1-2000; FR4001-6000

Blank:	FT6R	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	
Reed:	05-02-158.	5-.166

Mfgr: M.G.

Series: FT & FV101-225

Blank:	62FT	Depths
Cuts Start at:	.235	1-.290
Spacing:	.094	2-.260
Block #:	3	3-.230
Incr:	.030	
No of Spaces:	5	
Spaces:	.235, .329, .423, .517, .611	
Reed:	05-02-111. Bitting is double, same both sides.	

Mfgr: M.G.

Series: NH2001-3000

Blank:	MG1	Depths
Cuts Start at:	.157	1-.310
Spacing:	.095	2-.290
Block #:	3	3-.270
Incr:	.020	4-.250
No of Spaces:	10	
Spaces:	.157,.252,.347,.442,.537,.632,.727,.822,.917, 1.012	
Reed:	05-02-218. Bitting is double, same both sides.	

Mfgr: M.G.

Series: 2001-3000; 3001-4949

Blank:	X51	Depths
Cuts Start at:	.097	1-.224
Spacing:	.091	2-.244
Block #:	5	3-.264
Incr:	.020	4-.284
No of Spaces:	8	
Spaces:	.097, .188, .279, .370, .461, .552, .643, .734	
Reed:	05-02-113, 06-01-085. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.	

Mfgr: Miami-Carey

Series: MH500-750

Blank:	100M	Depths
Cuts Start at:	.200	0-.280
Spacing:	.120	1-.262
Block #:	2	2--.244
Incr:	.018	3-.226
No of Spaces:	5	4-.208
Spaces:	.200, .320, .440 .560, .680	5-.190
		6-.172

	Depths
Mfgr: Miami-Carey	
Series: MC1-1200 Letterbox	0-.268
Blank: 1069LA	1-.255
Cuts Start at: .155	2-.243
Spacing: .140	3-.230
Block #: 1	4-.218
Incr: .0125	5-.205
No of Spaces: 5	6-.193
Spaces: .155, .295, .435, .575, .715	7-.180 8-.168 9-.155

Mfgr: Mitsubishi
Series: E5001-7000
Models: Diamante, Eclipse, Expo, Galant, Mirage, Montero, 3000GT
 Blanks: X176, X213 (V) Depths
 Cuts Start at: .098 1-.242
 Spacing: .083 2-.270
 Block #: 5 3-.297
 Incr: .0277 4-.325
 No of Spaces: 8
 Spaces: .098, .181, .264, .346, .429, .512, .594, .677
 Reed: 09-02-280. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #4 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Mitsubishi
Series: E7001-7700
Models: Diamante, Eclipse, Expo, Galant, Mirage, Montero, 3000GT
 Blanks: X176, X213 (V) Depths
 Cuts Start at: .098 1-.325
 Spacing: .083 2-.297
 Blcck #: 5 3-.270
 Incr: .0277 4-.242
 No of Spaces: 8
 Spaces: .098, .181, .264, .346, .429, .512, ..594, .677
 Reed: 10-02-106. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Mitsubishi

Series: H0001-5143; E2001-3000

**Models: Cordia, Fuso Truck, Galant, Montero, Pickup, Sigma,
Starion, Tredia, Van**

Blanks:	X54, X121	Depths
Cuts Start at:	.098	1-.276
Spacing:	.0985	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 03-05-169, 172, 175, 06-01-071, 10-02-101. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Mitsubishi

Series: H7001-8400

Blanks:	X143	Depths
Cuts Start at:	.118	1-.325
Spacing:	.118	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242

No of Spaces: 6

Spaces: .118, .236, .354, .472, .591, .709

Reed: 09-02-280. Bitting is double, same both sides.

Mfgr: Mitsubishi

Series: X0001-1000

Model: Precis

Blank:	X160	Depths
Cuts Start at:	.098	1-.276
Spacing:	.0985	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217

No of Spaces: 7

Spaces: .098, .197, .295, .394, .492, .591, .689

Reed: 09-02-229. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Mitsubishi
 Series: X1001-2000
 Model: Precis
 Blank: X196 Depths
 Cuts Start at: .098 1-.283
 Spacing: .0985 2-.264
 Block #: 5 3-.244
 Incr: .0197 4-.224
 No of Spaces: 7
 Spaces: .098, .197, .295, .394, .492, .591, .689

Reed: 09-02-235. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Mitsubishi
 Series: 8100-9113
 Model: Fuso Truck
 Blank: FU2 Depths
 Cuts Start at: .287 1-.315
 Spacing: .0985 2-.285
 Block #: 5 3-.255
 Incr: .030
 No of Spaces: 8
 Spaces: .287, .386, .484, .583, .681, .780, .878, .977
 Reed: 09-02-289. Bitting is double, same both sides.

Mfgr: Mitsubishi
 Series: 30010-32009
 Model: Mirage
 Blanks: X224, X229(V) Depths
 Cuts Start at: .098 1-.315
 Spacing: .083 2-.299
 Block #: 5 3-.283
 Incr: .0157 4-.268
 No of Spaces: 8 5-.252
 Spaces: .098, .181, .264, .346, .429, .512, .594, .677
 Reed: 11-02-031. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

Mfgr: Moped
 Series: 11111-55555
 Blank: B69K Depths
 Cuts Start at: .140 1-.165
 Spacing: .105 2-.185
 Block #: 3 3-.205
 Incr: .020 4-.225
 No of Spaces: 5 5-.245
 Spaces: .140, .245, .350, .455, .560

Mfgr: National Depths
 Series: PS0001-1362 0-.247
 Blank: 1069LB 1-.229
 Cuts Start at: .150 2-.211
 Spacing: .106 3-.193
 Block #: 4 4-.175
 Incr: .018
 No of Spaces: 5
 Spaces: .150, .256, .362, .468, .574

Mfgr: National Depths
 Series: CJ101-180; R01-75; 2001PO-2113PO 1-.257
 Blanks: See Code Books 3-.232
 Cuts Start at: .150 5-.207
 Spacing: .140 7-.182
 Block #: 1 9-.157
 Incr: .025
 No of Spaces: 5
 Spaces: .150, .290, .430, .570, .710

Mfgr: National Depths
 Series: A & D100-7003; AT101-3960; BN1750-
 3199; F01-750; AH1-600; AY101-1780;
 HRH1-970; CWPT1021-4520; 3001-5656;
 C101-575; 6001-6683; AP1-5700;
 A-Z001-240; 7001-9649 4-.220
 Blanks: See Code Books 5-.207
 Cuts Start at: .150 6-.195
 Spacing: .140 7-.182
 Block #: 1 8-.170
 Incr: .0125 9-.157
 No of Spaces: 5
 Spaces: .150, .290, .430, .570, .710

Mfgr: National

Series: C1C-C1000C; D1C-D1000C;
D701A-D773A; C1-500; FF501-574

Blanks: 1069E, etc.	Depths
Cuts Start at: .156	1-.250
Spacing: .093	2-.225
Block #: 1	3-.200
Incr: .025	4-.175
No of Spaces: 5	
Spaces: .156, .249, .342, .435, .528	

Mfgr: National Cabinet

Series: C, D, K, M & N1001C-1200C; RD001-615;
001E-625E; GF1-200; RD1M-41M

Blanks: 1069, etc.	Depths
Cuts Start at: .156	0-.250
Spacing: .093	2-.225
Block #: 1	4-.200
Incr: .025	6-.175
No of Spaces: 5	
Spaces: .156, .249, .342, .435, .528	

Mfgr: National Cash Register

Series: 10000-99999; E10000-99999

Blank: 1083H, 1083	Depths
Cuts Start at: .172	1-.270
Spacing: .125	2-.256
Block #: 1	3-.242
Incr: .028	4-.228
No of Spaces: 6	5-.214
Spaces: .172, .297, .422, .547, .672, .797	6-.200
Reed: 05-03-004, 09-04-073	7-.186
	8-.172
	9-.158

Mfgr: National E-Z Set, Brook National

Series: New

Blank: 1177N	Depths
Cuts Start at: .250	0-.306
Spacing: .156	1-.287
Block #: 1	2-.268
Incr: .019	3-.249
No of Spaces: 5	4-.230
Spaces: .250, .406, .562, .718, .874	5-.211
	6-.192

Mfgr: National E-Z Set, Brook National	Depths
Series: Old	0-.312
Blanks: 1177	1-.292
Cuts Start at: .250	2-.272
Spacing: .156	3-.252
Block #: 1	4-.232
Incr: .020	5-.212
No of Spaces: 5	6-.192
Spaces: .250, .406, .562, .718, .874	

Mfgr: National Lock	Depths
Series: Large Pin	0-.304
Blanks: R1064D, etc.	1-.291
Cuts Start at: .250	2-.279
Spacing: .156	3-.266
Block #: 1	4-.254
Incr: .0125	5-.241
No of Spaces: 5	6-.229
Spaces: .250, .406, .562, .718, .874	7-.216
Direct digit.	8-.204
	9-.191

Mfgr: National Rockford	Depths
Series: Bank Drawer Locks	0-.265
Blank: 1064	1-.252
Cuts Start at: .150	2-.240
Spacing: .140	3-.227
Block #: 1	4-.215
Incr: .0125	5-.202
No of Spaces: 5	6-.190
Spaces: .150, .290, .430, .570, .710	7-.177
	8-.165
	9-.152

Mfgr: Nissan	
Series: A001-999	
Blanks: X6, X7, X10	Depths
Cuts Start at: .155	1-.276
Spacing: .0985	2-.256
Block #: 5	3-.236
Incr: .0197	4-.217
No of Spaces: 6	
Spaces: .155, .254, .352, .451, .549, .648	
Reed: 03-05-182. Bitting is double, same both sides.	

Mfgr: Nissan

Series: 101 A,B,C,D,E - 624

Model: Quest

Blanks:	X227, X228(V)	Depths
Cuts Start at:	.217	1-.352
Spacing:	.0925 (FD84)	2-.326
Block #:	1	3-.300
Incr:	.026	4-.274
No of Spaces:	10	5-.248

Spaces: .217,.310,.402,.495,.587,.680,.772,.865,.957, 1.050

Reed: 08-04-001. Bitting is double, same both sides.

Use narrow side of vise. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Nissan

Series: FH & VH001-3948; FH, VH & VM4001-6000

Models: 510, 610, 710, 240Z, 260Z, 280Z, B210, etc.

Blanks:	X1, DA20	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	5-.166

Reed: 03-05-201, 07-03-087.

Mfgr: Nissan

Series: M4001-8000; N1001-2000

Models: Maxima, B210, 610, 710, 280Z, 280ZX, etc.

Blanks:	X6, X7, X114, X115	Depths
Cuts Start at:	.155	7-.276
Spacing:	.0985	6-.256
Block #:	5	5-.236
Incr:	.0197	4-.217

No of Spaces: 6

Spaces: .155, .254, .352, .451, .549, .648

Reed: 03-05-187 & 196, 06-01-062. Bitting is double, same both sides. Some code books use 1, 2, 3 & 4 for depths.

Mfgr: Nissan

Series: 00001-22185

Models: Pathfinder, etc.

Blanks: X237, X238

Depths

1-.333

Cuts Start at: .337

2-.307

Spacing: .083

3-.281

Block #: 5

4-.256

Incr: .0256

No of Spaces: 10

Spaces: .337, .420, .502, .585, .667, .750, .833, .915, .998, 1.080

Bitting is double, same both sides. Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Nissan**Series: X0001-9000; Y0001-9000****Models: Altima, Axxes, Maxima, Pathfinder, Pickup, Pulsar,
Senna, Stanza, Truck, Van, 200SX, 240SX, 300ZX**

Blanks:	X123, X124, X197, X210	Depths
Cuts Start at:	.118	1-.276
Spacing:	.083	2-.256
Block #:	5	3-.236
Incr:	.0197	4-.217
No of Spaces:	8	
Spaces:	.118, .201, .283, .366, .449, .532, .614, .697	
Reed:	07-03-096, 08-02-049.	
Bitting is double, same both sides.		

Mfgr: Nissan**Series: 601-900; 1001-1150; 3001-3150; 4001-4150;
5001-5150; 5601-5900; 6001-6150; 6601-6900;
7601-7900; 8601-8900; 9001-9150****Models: Pickup, etc.**

Blanks:	DT13, DT14, DT15, DT16	Depths
Cuts Start at:	.150	1-.236
Spacing:	.100	2-.217
Block #:	3	3-.197
Incr:	.0197	4-.177
No of Spaces:	5	
Spaces:	.150, .250, .350, .450, .550	
Reed:	03-05-177 & 179.	

Mfgr: Norwalk**Series: All**

Blanks:	1017 etc.	Depths
Cuts Start at:	.260	0-.310
Spacing:	.156	1-.290
Block #:	1	2-.270
Incr:	.020	3-.250
No of Spaces:	5	4-.230
Spaces:	.260, .416, .572, .728, .884	5-.210
		6-.190

Mfgr: Oldsmobile

Series: A000-ZZ99 (10 Cut)

Model: Achieva

Blank: P1102	Depths
Cuts Start at: .216	1-.315
Spacing: .092	2-.290
Block #: 3	3-.265
Incr: .025	4-.240

No of Spaces: 10

Spaces: .216,.308,.400,.492,.584,.676,.768,.860,.952,1.044

Reed: Volume 12. Bitting is double, same both sides.

Using spacing clip, align tip of key with left side of vise. Lay clip FLAT on left side of vise and slide key in from the right. See cutting procedure on page 33.

Mfgr: Oldsmobile

Series: OA00-99Y9

Models: Achieva, Regency, Toronado, etc.

Blanks: P1098WE, S1098H, VATS, etc.	Depths
Cuts Start at: .109	1-.248
Spacing: .092	2-.223
Block #: 3	3-.198
Incr: .025	4-.173
No of Spaces: 6	5-.148

Spaces: .109, .201, .293, .385, .477, .569

Reed: 01-02-218.

Mfgr: Oldsmobile

Series: 00J0-99J9; 00K0-99K9

Model: Achieva

Blanks: P1099, P1101	Depths
Cuts Start at: .413	1-.347
Spacing: .0985	2-.324
Block #: 5	3-.300
Incr: .0235	4-.277
No of Spaces: 6	5-.253

Spaces: .413, .512, .610, .709, .807, .906

Reed: 10-04-019 & 024. Bitting is double, same both sides.

Mfgr: Opel
 Series: AB & BA0001-1000
 Blanks: YM30, YM29 Depths
 Cuts Start at: SH = .115, PL = .185 1-.275
 Spacing: .155 2-.245
 Block #: 2 3-.225
 Incr: .020 4-.205
 No of Spaces: 5
 Spaces: SH = .115, .270, .425, .580, .735
 PL = .185, .340, .495, .650, .805
 Reed: 05-02-241, 06-01-189, 07-03-271, 10-02-110.
 Bitting is double, staggered cuts.

Mfgr: Opel
 Series: B, BB, C, CC, D, DD, EC, EE, & FF1-380;
 BB, CC, DD, EE & FF 501-1000, 1751-2000, 2501-3000
 Blanks: OP19, H62VP, 62PD, O79JC, R62PD, HF11, OP11,
 O79JE, HF21, etc. Depths
 Cuts Start at: SH = .180, PL = .104 1-.255
 Spacing: .156 2-.232
 Block #: 1 3-.209
 Incr: .023 4-.186
 No of Spaces: 5 5-.172
 Spaces: SH = .180, .336, .492, .648, .804
 PL = .104, .260, .416, .572, .728
 Reed: 02-04-065, 05-02-245, 05-02-249.
 Bitting is double, staggered cuts.

Mfgr: Opel
 Series: B, C & F101-250
 Blank: 65H Depths
 Cuts Start at: .145 1-.260
 Spacing: .095 2-.245
 Block #: 1 3-.200
 Incr: .015 4-.215
 No of Spaces: 4
 Spaces: .145, .240, .335, .430
 Reed: 07-03-315.

Mfgr: Opel**Series: C6001-7026**

Blank:	X121, X54	Depths
Cuts Start at:	.098	1-.276
Spacing:	.0985	2-.256
Block #:	5	3-.236
Incr:	.020	4-.217

No of Spaces: 6**Spaces: .098, .197, .296, .394, .492, .591****Reed: 06-01-172. Bitting is double, same both sides.****If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.****Mfgr: Opel****Series: D & F113-555; E124-555; V112-554; Z114-554**

Blank:	62VO	Depths
Cuts Start at:	.125	1-.270
Spacing:	.115	2-.255
Block #:	3	3-.240
Incr:	.015	4-.225

No of Spaces: 4**Spaces: .125, .240, .355, .470****Reed: 03-05-064. Run out last cut.****Mfgr: Opel****Series: D & S1-2000**

Blanks:	HF59R, X168	Depths
Cuts Start at:	.102	1-.325
Spacing:	.083	2-.301
Block #:	5	3-.277
Incr:	.024	4-.253

No of Spaces: 10**Spaces: .102, .185, .268, .351, .434, .517, .600, .683, .766, .849****Reed: 08-02-093, 100, 11-02-042, 045. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.**

Mfgr: Opel**Series: DS, SC, SCL, SD, SG, SL, SLC, SW, SX1-240****Blanks: 63H, R62PE, R62VN, L62VN, etc.****Depths****Cuts Start at: .140****1-.256****Spacing: .090****3-.226****Block #: 3****5-.196****Incr: .030****No of Spaces: 5****Spacing: .140, .230, .320, .410, .500****Reed: 02-04-060, 03-05-090, 115.****Mfgr: Opel****Series: F, K, P & S1-150; 1-150****Blanks: L62VJ, 62VJ****Depths****Cuts Start at: .155****1-.255****Spacing: .119****2-.235****Block #: 5****3-.215****Incr: .020****4-.195****No of Spaces: 5****Spaces: .155, .274, .393, .512, .631****Reed: 02-04-063.****Mfgr: Opel****Series: R & T1-1500****Blanks: OP43, OP44****Depths****Cuts Start at: .110****1-.335****Spacing: .125****2-.310****Block #: 1****3-.285****Incr: .025****4-.260****No of Spaces: 5****Spaces: .110, .235, .360, .485, .610****Reed: 05-02-280, 286, 08-02-103.****Bitting is double, different both sides.****Mfgr: Opel****Series: 1-001 - 4-345****Blanks: R62PG, 62PG, R62PF, etc.****Depths****Cuts Start at: SH = .160, PL = .190****4-.205****Spacing: .120****5-.220****Block #: 2****6-.235****Incr: .015****7-.250****No of Spaces: 5****8-.220****Spaces: SH = .160, .280, .400, .520, .640****9-.235****PL = .190, .310, .430, .550, .670****0-.250****Reed: 05-02-224. Bitting is double, staggered cuts.**

Mfgr: Penn	Depths
Series: Standard	1-.365
Blank: 1016N	2-.340
Cuts Start at: .190	3-.315
Spacing: .155	4-.290
Block #: 2	5-.265
Incr: .025	6-.240
No of Spaces: 5 or 6	7-.215
Spaces: .190, .345, .500, .655, .810, .965	8-.190

Mfgr: Peterbilt
 Series: C250-2200; H601-1100
 Models: Trucks
 Blanks: 1098DB, 1098M, 1098PB, etc. Depths
 Cuts Start at: .150 1-.250
 Spacing: .093 2-.235
 Block #: 1 3-.220
 Incr: .015 4-.205
 No of Spaces: 5 5-.190
 Spaces: .150, .243, .336, .429, .522
 Reed: 01-02-014, 015, 016, 018, 023, 095.

Mfgr: Peterbilt
 Series: E2001-3000
 Models: Midranger, etc.
 Blank: X170 Depths
 Cuts Start at: .098 1-.299
 Spacing: Ster. 2-.275
 Block #: 4 3-.251
 Incr: .024 4-.227
 No of Spaces: 10
 Spaces: .098, .185, .272, .359, .446, .533, .627, .677, .771, .821
 Reed: 10-02-023. Bitting is double, same both sides. Cuts 7 & 8
 and 9 & 10 are double cuts. Each double chamber contains two
 wafers. Use #4 Block - Sterling spacing. If deep cut is found in
 first position, cut a #1 cut and hand file to avoid losing shoulder or
 use FC8735 cutter. Correct blank must be used - 11th wafer is
 seated on tip of blank.

Mfgr: Peterbilt
 Series: FB1-210
 Models: Midranger, etc.

Blank:	X53	Depths
Cuts Start at:	.140	1-.280
Spacing:	.120	3-.260
Block #:	2	5-.240
Incr:	.020	
No of Spaces:	6	
Spaces:	.140, .260, .380, .500, .620, .740	
Reed:	03-05-078. Bitting is double, same both sides.	

Mfgr: Peterbilt
 Series: FH1-2000; 1-2000
 Models: Trucks

Blank:	X170	Depths
Cuts Start at:	.100	1-.300
Spacing:	Use VB1 Spacing Block only*	2-.276
Block #:	2	3-.252
Incr:	.024	4-.228
No of Spaces:	10	
Reed:	11-05-031. Bitting is double, same both sides.	
*2/3, 5/6 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #FH1 would read 3112143 and should be extended to read 3111221443. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Peugeot
 Series: 11A111-43A335
 Blanks: 63P
 Cuts Start at: .145
 Spacing: .100
 Block #: 3
 Incr: .025
 No of Spaces: 5
 Spaces: .145, .245, .345, .445, .545
 Reed: 06-01-193.

Mfgr: Peugeot

Series: B, E, G, H, J

Models: 505, 604, etc.

Blank: NE34

Cuts Start at: .095

Depths

E-.302

Spacing: .104

J-.284

Block #: 4

H-.266

Incr: .018

G-.248

No of Spaces: 5

B-.230

Spaces: .095, .199, .303, .407, .511

Reed: 06-01-094. Bitting is double, same both sides.

If deep cut is found in first position, cut an E cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Peugeot

Series: C, J, P, R, V, W, Y & Z1-224

Models: 504, 505, 604, etc.

Blank: 61PE, KM3, KM8, X89, 61PS, KM2, R63G

Depths

Cuts Start at: .220

1-.270

Spacing: .094

2-.250

Block #: 3

3-.230

Incr: .020

No of Spaces: 5

Spaces: .220, .314, .408, .502, .596

Reed: 06-01-196, 198, 200. Bitting is double, same both sides.

Mfgr: Peugeot

Series: E01-649

Models: 504, 505, etc.

Blank: 63PX - See below for X148

Depths

Cuts Start at: .145

1-.280

Spacing: .098

2-.256

Block #: 3

3-.232

Incr: .024

4-.208

No of Spaces: 5

5-.184

Spaces: .145, 243, .341, .439, .537

Reed: 05-02-318, 06-01-192, 08-02-029.

Mfgr: Peugeot

Series: 01E-649E

Models: 504, 505, etc.

Blank: X148 - See above for 63PX

Depths

Cuts Start at: .145

1-.287

Spacing: .098

2-.263

Block #: 3

3-.239

Incr: .024

4-.215

No of Spaces: 5

5-.191

Spaces: .145, .243, .341, .439, .537

Reed: 05-02-318, 06-01-192, 08-02-029.

Bitting is double, same both sides.

Mfgr: Peugeot

Series: E, M, N, P, R: 1-9, E,M,N,P,R, A-Z

Models: 505, 604, etc.

Blank: NE34, X116(ward cut needed)

Depths

Cuts Start at: .094

E-.299

Spacing: .104

R-.278

Block #: 4

P-.258

Incr: Var.

N-.236

No of Spaces: 5

M-.217

Spaces: .094, .198, .302, .406, .510

Ward Cut-.220

Reed: 08-02-121. Bitting is double, same both sides.

Center of ward cut is .640 from shoulder and is .060 wide. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Peugeot

Series: F11111-77777M (A-Z 1,2,3,5,7 A-Z)

Models: 504, 604, etc.

Blank: X12

Depths

Cuts Start at: .100

1-.185

Spacing: .102

2-.200

Block #: 3

3-.215

Incr: .015

5-.230

No of Spaces: 5

7-.245

Spaces: .100, .202, .304, .406, .508

Reed: 06-01-171. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Peugeot**Series: F, K & S00000-99999 (A-Z 0,4,6,8,9 A-Z)**

Blank:	X12	Depths
Cuts Start at:	.090	0-.275
Spacing:	.105	9-.255
Block #:	3	8-.235
Incr:	Var.	4-.210
No of Spaces:	5	6-.190

Spaces: .090, .195, .300, .405, .510**Reed: 08-02-122. If deep cut is found in first position, cut a #0 cut and hand file to avoid losing shoulder or use FC8735 cutter.****Mfgr: Peugeot****Series: H11111A - H77777Z (A-Z 1,2,3,5,7 A-Z)**

Blank:	RE61XR	Depths
Cuts Start at:	.150	1-.190
Spacing:	.102	2-.205
Block #:	3	3-.220
Incr:	.015	5-.235
No of Spaces:	5	7-.250

Spaces: .150, .252, .354, .456, .558**Reed: 06-01-194, 195.****Mfgr: Peugeot****Series: M, N, P, R, S: (1-9,M), N, P, R, S:A-Z****Models: 405, 505, etc. Ex: 1MNPRSSA or M9MNPRSZ**

Blank:	**BE CAREFUL** X147 **BE CAREFUL**	Depths
Cuts Start at:	.094	S-.299
Spacing:	.104	R-.278
Block #:	4	P-.258
Incr:	Var.	N-.236
No of Spaces:	6	M-.217

Spaces: .094, .198, .302, .406, .510, .614**Reed: 08-02-122. Bitting is double, same both sides.******CORRECT BLANK MUST BE USED:****X147 IS SLOTTED, X171 IS NOT!!!****If deep cut is found in first position, cut an S cut and hand file to avoid losing shoulder or use FC8735 cutter.**

Mfgr: Peugeot

Series: M, N, P, R, S: M, N, 1-9, P, R, S: A-Z

Models: 405, 505, etc. Ex: MN1PRSSA or MM9PRSZ

Blank: **BE CAREFUL** X171 **BE CAREFUL**

Depths

Cuts Start at: .094

S-.299

Spacing: .104

R-.278

Block #: 4

P-.258

Incr: Var.

N-.236

No of Spaces: 6

M-.217

Spaces: .094, .198, .302, .406, .510, .614

Reed: 09-02-317. Bitting is double, same both sides.

****CORRECT BLANK MUST BE USED:**

X147 IS SLOTTED, X171 IS NOT!!!

If deep cut is found in first position, cut an S cut and hand file to avoid losing shoulder or use FC8735 cutter.

Plymouth: See Chrysler for old model series.

Mfgr: Plymouth

Series: BC301-360

Model: Cricket

Blank: X17

Depths

Cuts Start at: .235

1-.290

Spacing: .094

2-.260

Block #: 3

3-.230

Incr: .030

No of Spaces: 5

Spaces: .235, .329, .423, .517, .611

Reed: 06-01-060. Bitting is double, same both sides.

Mfgr: Plymouth

Series: E5001-7000

Models: Colt, Laser, Vista

Blank: X176

Depths

Cuts Start at: .098

1-.242

Spacing: .083

2-.270

Block #: 5

3-.297

Incr: .0277

4-.325

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-280. Bitting is double, same both sides.

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Plymouth

Series: E7001-7700

Models: Colt, Laser, Vista

Blanks: X176

Depths

Cuts Start at: .098

1-.325

Spacing: .083

2-.297

Block #: 5

3-.270

Incr: .028

4-.242

No of Spaces: 8

Reed: 10-02-106. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Plymouth

Depths

Series: ES & EP1-3000

1-.246

Blanks: P1786, S1770U, etc.

2-.226

Cuts Start at: .146

3-.206

Spacing: .140

4-.186

Block #: 1

5-.166

Incr: .020

6-.146

Spacing: .146, .286, .426, .566, .706

Reed: 02-06-229.

Mfgr: Plymouth

Series: H0001-5143

Models: Colt, Conquest, Pickup, Sapporo, Vista, etc.

Blanks: X121, X54

Depths

Cuts Start at: .098

1-.276

Spacing: .0985

2-.256

Block #: 5

3-.236

Incr: .0197

4-.217

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 03-05-169, 172, 175, 06-01-071. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Plymouth

Series: G0000-1394

Models: Acclaim, Voyager, etc.

Blanks: P1789, P1789P

Depths

Cuts Start at: .144

1-.340

Spacing: .092

2-.315

Block #: 3

3-.290

Incr: .025

4-.265

No of Spaces: 7

Spaces: .144, .236, .328, .420, .512, .604, .696

Reed: 10-04-001. Bitting is double, same both sides.

Use Ford 5 pin spacing clip. Set starting cut at .144 (first cut from bow). See cutting procedure on page 33.

Mfgr: Plymouth

Series: J0001-3580; L0001-3580

Models: Acclaim, Neon, Voyager, etc.

Blanks: P1793, 1793V, P1794, 1794V

Depths

Cuts Start at: .051

1-.340

Spacing: .092

2-.315

Block #: 3

3-.290

Incr: .025

4-.265

No of Spaces: 7

Spaces: .051, .143, .235, .327, .419, .511, .603

Reed: 11-05-001 & 016. Bitting is double, same both sides.

Use Ford 5 pin spacing clip, set starting cut at .051 (first cut from bow). Bitting is double, same both sides.

Mfgr: Plymouth

Series: SL5001-7000

Model: Cricket

Blanks: X16

Depths

Cuts Start at: .108

1-.314

Spacing: .094

2-.289

Block #: 3

3-.264

Incr: .025

4-.239

No of Spaces: 10

Spaces: .108, .202, .296, .390, .484, .578, .672, .766, .860, .954

Reed: 05-02-025. Bitting is double, same both sides.

Mfgr: Plymouth
 Series: 30010-32009
 Model: Colt, Vista
 Blanks: X224 & X229(V) Depths
 Cuts Start at: .098 1-.311
 Spacing: .083 2-.295
 Block #: 5 3-.280
 Incr: .0157 4-.264
 No of Spaces: 8 5-.248
 Spaces: .098, .181, .264, .346, .429, .512, .594, .677
 Reed: 11-02-031. Bitting is double, same both sides.

Mfgr: Pontiac
 Series: A000-ZZ99 (10 Cut)
 Model: Grand Am
 Blank: P1102 Depths
 Cuts Start at: .216 1-.315
 Spacing: .092 2-.290
 Block #: 3 3-.265
 Incr: .025 4-.240
 No of Spaces: 10
 Spaces: .216, .308, .400, .492, .584, .676, .768, .860, .952, 1.044
 Reed: Volume 12. Bitting is double, same both sides.
 Using spacing clip, align tip of key with left side of vise. Lay clip
 FLAT on left side of vise and slide key in from the right. See cutting
 procedure on page 33.

Mfgr: Pontiac
 Series: 0A00-99Y9
 Models: Bonneville, Firebird, Grand Prix, etc.
 Blanks: P1098E, S1098H, P1098WE, VATS, etc. Depths
 Cuts Start at: .109 1-.248
 Spacing: .092 2-.223
 Block #: 3 3-.198
 Incr: .025 4-.173
 No of Spaces: 6 5-.148
 Spaces: .109, .201, .293, .385, .477, .569

Mfgr: Pontiac

Series: 00J0-99J9; 00K0-99K9

Model: Grand Am

Blanks: P1099, P1101

Depths

Cuts Start at: .413

1-.347

Spacing: .0985

2-.324

Block #: 5

3-.300

Incr: .0235

4-.277

No of Spaces: 6

5-.253

Spaces: .413, .512, .610, .709, .807, .906

Reed: 10-04-019 & 024. Bitting is double, same both sides.

Mfgr: Pontiac

Series: S4001-5200

Models: Lemans

Blank: X168

Depths

Cuts Start at: .098

1-.322

Spacing: .083

2-.298

Block #: 5

3-.274

Incr: .024

4-.250

No of Spaces: 10

Spacee:.098,.181,.264,.347,.430,.513,.596,.679,.762,.845

Reed: 09-02-273. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Porsche

Series: A, D & M11111-55555

Blanks: R61N, MB59

Depths

Cuts Start at: .150

1-.217

Spacing: .130

2-.236

Block #: 2

3-.256

Incr: .0197

4-.276

No of Spaces: 5

5-.285

Spaces: .150, .280, .410, .540, .670

Reed: 06-01-170.

Mfgr: Porsche

Series: AH1-854, 2001-2830, 4001-5151, 7101-8154
 AN1-854, 2001-2830, 4001-5151, 7101-8154
 HV1-854, 2001-2830, 4001-5151, 7101-8154
 NV1-854, 2001-2830, 4001-5151, 7101-8154
 VB1-854, 2001-2830, 4001-5151, 7101-8154

Models: 924, 944, 968, etc.

Blanks: X9, X139, X88	Depths
Cuts Start at: .100	1-.300
Spacing: Use VB1 Spacing Block only*	2-.276
Block #: 2	3-.252
Incr: .024	4-.228

No of Spaces: 10

Reed: 03-05-141, 04-04-060, 04-04-072, 08-02-013.

*2/3, 5/6 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #VB200 would read 3431434 and should be extended to read 3443114334. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Porsche

Series: AH1001-1918, 3001-3890, 6001-7086, 8201-9282
 AN1001-1918, 3001-3890, 6001-7086, 8201-9282
 HV1001-1918, 3001-3890, 6001-7086, 8201-9282
 NV1001-1918, 3001-3890, 6001-7086, 8201-9282
 VB1001-1918, 3001-3890, 6001-7086, 8201-9282

Models: 924, 944, 968, etc.

Blanks: X9, X139, X88	Depths
Cuts Start at: .100	1-.300
Spacing: Use VB2 Spacing Block only*	2-.276
Block #: 2	3-.252
Incr: .024	4-.228

No of Spaces: 10

Reed: 03-05-152, 04-04-066, 04-04-079, 08-02-019

*2/3, 6/7 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #VB1200 would read 2422134 and should be extended to read 2442211334. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Porsche

Series: C, D, E & F064-126

Blanks:	MB4, MB5	Depths
Cuts Start at:	.180	1-.235
Spacing:	.120	2-.210
Block #:	2	3-.180
Incr:	Var.	
No of Spaces:	5	
Spaces:	.180, .300, .420, .540, .660	
Reed:	07-03-259.	

Mfgr: Porsche

Series: EV1-500

Blank:	DM3	Depths
Cuts Start at:	.150	1-.255
Spacing:	.095	3-.235
Block #:	1	5-.205
Incr:	Var.	7-.175
No of Spaces:	5	
Spaces:	.150, .245, .340, .435, .530	
Reed:	08-02-150.	

Mfgr: Porsche

Series: FE1-2000

Blank:	DM2	Depths
Cuts Start at:	.300	1-.260
Spacing:	.098	2-.245
Block #:	3	3-.230
Incr:	.015	4-.215
No of Spaces:	6	5-.200
Spaces:	.300, .398, .496, .594, .692, .790	6-.185
Reed:	08-02-153	7-.160

Mfgr: Porsche

Series: FL1-1080

Blank:	KP1	Depths
Cuts Start at:	.150	0-.265
Spacing:	.138	1-.250
Block #:	2	2-.230
Incr:	.020	3-.210
No of Spaces:	6	4-.190
Spaces:	.150, .288, .426, .564, .702, .840	5-.170
Reed:	08-02-162	6-.150
		7-.130

Mfgr: Porsche
 Series: HC, NC & SC1-2080
 Models: 911, 912, 914, etc.
 Blanks: P05, X32, P07 Depths
 Cuts Start at: .115 1-.270
 Spacing: .080 2-.250
 Block #: 3 3-.230
 Incr: .018 4-.210
 No of Spaces: 10
 Spaces: .115, .195, .275, .355, .435, .515, .595, .675, .755, .835
 Reed: 05-02-320. Bitting is double, same both sides.

Mfgr: Porsche
 Series: ID601-654
Wheel lug nuts only
 Blank: DM31 Depths
 Cuts Start at: .130 1-.200
 Spacing: .100 3-.170
 Block #: 3 5-.140
 Incr: .030
 No of Spaces: 4
 Spaces: .130, .230, .330, .430
 Reed: 10-02-006

Mfgr: Porsche
 Series: K100-199
 Blank: 64K Depths
 Cuts Start at: .237 1-.260
 Spacing: .120 2-.252
 Block #: 2 3-.238
 Incr: .014 4-.224
 No of Spaces: 4 5-.210
 Spaces: .237, .357, .477, .597
 Reed: 08-02-175.

Mfgr: Porsche
 Series: K200-299
 Blank: DM3 Depths
 Cuts Start at: .245 1-.265
 Spacing: .118 3-.230
 Block #: 5 5-.195
 Incr: .035 7-.160
 No of Spaces: 4
 Spaces: .245, .363, .481, .599
 Reed: 08-02-176.

Mfgr: Porsche
 Series: K300-399
 Blank: DM4
 Cuts Start at: .235 Depths
 Spacing: .128 1-.258
 Block #: 2 2-.240
 Incr: Var. 3-.225
 No of Spaces: 4 4-.210
 Spaces: .235, .363, .491, .619 5-.185
 Reed: 08-02-177.

Mfgr: Porsche
 Series: SC, SG, SU & SV1-240
 Models: 924, etc.
 Blanks: 61VW, S62DW, U61VW, V61VW Depths
 Cuts Start at: .140 1-.256
 Spacing: .090 2-.241
 Block #: 3 3-.226
 Incr: .015 4-.211
 No of Spaces: 5 5-.196
 Spacing: .140, .230, .320, .410, .500
 Reed: 03-05-090, 115

Mfgr: Porsche
 Series: 5001-6475
 Blanks: X167 Depths
 Cuts Start at: .138 1-.303
 Spacing: .098 2-.276
 Block #: 3 3-.248
 Incr: .0275
 No of Spaces: 8
 Spaces: .138, .236, .334, .432, .530, .628, .726, .824
 Reed: 10-02-112. Bitting is double, same both sides.

Mfgr: Porsche
 Series: 5406-5552
 Blank: XD63
 Cuts Start at: .155 Depths
 Spacing: .100 2-.235
 Block #: 3 3-.225
 Incr: .010 4-.215
 No of Spaces: 4
 Spaces: .155, .255, .355, .455
 Reed: 08-02-030.

Mfgr: Porsche**Series: 64111-64130**

Blank: 64K

Depths

0-.275

Cuts Start at: .130

1-.260

Spacing: .105

2-.240

Block #: 3

3-.220

Incr: .020

No of Spaces: 4

Spaces: .130, .235, .340, .445

Reed: 08-02-175.

Mfgr: Pundra**Series: M1-576; U1-1024**

Blank: PU2

Depths

1-.260

Cuts Start at: .165

2-.245

Spacing: .138

3-.230

Block #: 2

4-.215

Incr: .015

5-.200

No of Spaces: 5

6-.185

Spaces: .165, .303, .441, .579, .717

Mfgr: Pundra**Series: 101-330**

Blank: B1054B

Depths

1-.250

Cuts Start at: .125

3-.210

Spacing: .095

5-.170

Block #: 1

Incr: .040

No of Spaces: 5

Spaces: .125, .220, .315, .410, .505

Reed: 08-05-021.

Mfgr: Pundra**Series: R100-200; 2000-2008**

Blanks: N1054G, 1866-10

Depths

1-.250

Cuts Start at: .150

3-.220

Spacing: .090

5-.190

Block #: 3

Incr: .030

No of Spaces: 5

Spaces: .150, .240, .330, .420, .510

Reed: 09-04-178, 10-04-179.

Mfgr: Pundra**Series: B1-667; DE1-20; K125-187****Blanks: See Code Books****Cuts Start at: .139****Depths
1-.250****Spacing: .093****2-.235****Block #: 1****3-.220****Incr: .015****4-.205****No of Spaces: 5****5-.190****Spaces: .139, .232, .325, .418, .511****Reed: 10-04-175 & 179.****Mfgr: Reading****Series: Standard****Depths
0-.345****Blanks: 1019 & 1019D****1-.330****Cuts Start at: .200****2-.315****Spacing: .155****3-.300****Block #: 2****4-.285****Incr: .015****5-.270****No of Spaces: 5 or 6****6-.255****Spaces: .200, .355, .510, .665, .820, .975****7-.240****8-.225****9-.210****Mfgr: Reese****Series: Padlocks****Depths****1-.256****Blank: 1140G****2-.241****Cuts Start at: .170*****3-.226****Spacing: .125****4-.211****Block #: 1****5-.196****Incr: .015****6-.181****No of Spaces: 5****7-.166****Spaces: .170, .295, .420, .545, .670****8-.151***** This starting position is from the bottom shoulder.****Mfgr: Reese****Series: 250 & 490 Padlock****Depths****1-.250****Blank: 1098DB****2-.235****Cuts Start at: .150****3-.220****Spacing: .093****4-.205****Block #: 1****5-.190****Incr: .015****Spaces: 5****Spaces: .150, .243, .336, .429, .522**

Mfgr: Renault
 Series: B, C, D, E, G
 Models: Gordini, LeCar, 18i, etc.
 Blanks: X85, X92 Depths
 Cuts Start at: .090 E-.298
 Spacing: .104 D-.283
 Block #: 4 C-.252*
 Incr: Var. G-.252*
 No of Spaces: 6 B-.229
 Spaces: .090, .194, .298, .402, .506, .610
 Reed: 08-02-121. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter. *C & G cuts are same depth.

Mfgr: Renault
 Series: B, E, G, H, J
 Models: Alliance, LeCar, 18i, etc.
 Blank: X116 Depths
 Cuts Start at: .095 E-.302
 Spacing: .104 J-.284
 Block #: 4 H-.266
 Incr: .018 G-.248
 No of Spaces: 5 B-.230
 Spaces: .095, .199, .303, .407, .511
 Reed: 06-01-194. Blank must have ward cut on both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault
 Series: C, J, P, R, V, W, Y & Z 1-224
 Models: 18i, etc.
 Blanks: 61PE, P64K, KM8, X89, etc. Depths
 Cuts Start at: .220 1-.270
 Spacing: .094 2-.250
 Block #: 1 3-.230
 Incr: .020
 No of Spaces: 5
 Spaces: .220, .314, .408, .502, .596
 Reed: 06-01-196, 198, 200. Bitting is double, same both sides.

Mfgr: Renault
 Series: 1111E-5555E
 Blank: R80B Depths
 Cuts Start at: .155 1-.245
 Spacing: .130 2-.223
 Block #: 2 3-.201
 Incr: .022 4-.179
 No of Spaces: 4
 Spaces: .155, .285, .415, .545
 Reed: 07-03-206.

Mfgr: Renault
 Series: E, J & K222222-999999 (A-Z, 2-5-9)
 Models: LeCar, etc.
 Blank: X61 Depths
 Cuts Start at: .090 2-.195
 Spacing: .104 5-.225
 Block #: 4 9-.255
 Incr: .030
 No of Spaces: 6
 Spaces: .090, .194, .298, .402, .506, .610
 Reed: 06-01-228. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault
 Series: E, M, N, P, R: 1-9, E,M,N,P,R, A-Z
 Models: Alliance, Encore, 18i, etc.
 Blank: NE34, X116(ward cut needed) Depths
 Cuts Start at: .094 E-.299
 Spacing: .104 R-.278
 Block #: 4 P-.258
 Incr: Var. N-.236
 No of Spaces: 5 M-.217
 Spaces: .094, .198, .302, .406, .510 Ward Cut-.220
 Reed: 08-02-121. Bitting is double, same both sides.
 Center of ward cut is .640 from shoulder and is .060 wide. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault**Series: F, K & S00000-99999 (A-Z 0,4,6,8,9 A-Z)**

Blank:	X12	Depths
Cuts Start at:	.090	0-.275
Spacing:	.105	9-.255
Block #:	3	8-.235
Incr:	Var.	4-.210
No of Spaces:	5	6-.190

Spaces: .090, .195, .300, .405, .510

Reed: 08-02-122. If deep cut is found in first position, cut a #0 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault**Series: F11111-77777M (A-Z 1,2,3,5,7 A-Z)**

Blank:	X12	Depths
Cuts Start at:	.100	1-.185
Spacing:	.102	2-.200
Block #:	3	3-.215
Incr:	.015	5-.230
No of Spaces:	5	7-.245

Spaces: .100, .202, .304, .406, .508

Reed: 06-01-171. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault**Series: H11111A - H77777Z (A-Z 1,2,3,5,7 A-Z)**

Blank:	RE61XR	Depths
Cuts Start at:	.150	1-.190
Spacing:	.102	2-.205
Block #:	3	3-.220
Incr:	.015	5-.235
No of Spaces:	5	7-.250

Spaces: .150, .252, .354, .456, .558

Reed: 06-01-194, 195.

Mfgr: Renault**Series: K1-1000****Models: Alliance, Encore, etc.**

Blank:	X150	Depths
Cuts Start at:	.150	1-.250
Spacing:	.093	2-.225
Block #:	1	3-.200
Incr:	.025	4-.175
Spaces:	.150, .243, .336, .429, .522	5-.150
Reed:	01-02-211.	

Mfgr: Renault
 Series: LMP10057-12812
 Blank: LM1
 Cuts Start at: Top = .215, Bot = .140 Depths
 Spacing: .160 1-.277
 Block #: 2 2-.252
 Incr: .025 3-.227
 No of Spaces: Top = 5, Bot = 4 4-.202
 Spaces: Top = .215, .375, .535, .695, .855
 Bot = .140, .300, .460, .620
 Reed: 06-01-202, 08-02-192.
 Bitting is double, different both sides.

Mfgr: Renault
 Series: M, N, P, R, S: (1-9,M), N, P, R, S:A-Z
 Models: Alliance, Encore, etc. Ex: 1MNPRSSA or M9MNPRSZ
 Blank: **BE CAREFUL** X147 **BE CAREFUL** Depths
 Cuts Start at: .094 S-.299
 Spacing: .104 R-.278
 Block #: 4 P-.258
 Incr: Var. N-.236
 No of Spaces: 6 M-.217
 Spaces: .094, .198, .302, .406, .510, .614
 Reed: 08-02-122. Bitting is double, same both sides.
****CORRECT BLANK MUST BE USED:**

X147 IS SLOTTED, X171 IS NOT!!!

If deep cut is found in first position, cut an S cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault
 Series: M, N, P, R, S: M, N, 1-9, P, R, S:A-Z
 Model: Medallion Ex: MN1PRSSA or MM9PRSZ
 Blank: **BE CAREFUL** X171 **BE CAREFUL** Depths
 Cuts Start at: .094 S-.299
 Spacing: .104 R-.278
 Block #: 4 P-.258
 Incr: Var. N-.236
 No of Spaces: 6 M-.217
 Spaces: .094, .198, .302, .406, .510, .614
 Reed: 09-02-317. Bitting is double, same both sides.

****CORRECT BLANK MUST BE USED:**

X147 IS SLOTTED, X171 IS NOT!!!

If deep cut is found in first position, cut an S cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault

Series: 1R000-3R1837

Blank: VC29

Depths

1-.305

Cuts Start at: .125

2-.290

Spacing: .105

3-.275

Block #: 3

4-.260

Incr: .015

5-.245

No of Spaces: 6

Spaces: .125, .320, .335, .440, .545, .650

Reed: 06-01-220, 08-02-194. Bitting is double, same both sides.

Mfgr: Renault

Series: T001-999; V000-922

Models: Alliance, Encore, LeCar, 18i, etc.

Blank: X92

Depths

1-.298

Cuts Start at: .090

2-.283

Spacing: .104

3-.252

Block #: 4

4-.229

Incr: Var.

No of Spaces: 6

Spaces: .090, .194, .298, .402, .506, .610

Reed: 08-02-197, 202. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Renault

Series: 1507-1525

Blank: DP1

Depths

0-.195

Cuts Start at: .170

2-.175

Spacing: .100

4-.155

Block #: 3

Incr: .020

No of Spaces: 4

Spaces: .170, .270, .370, .470

Reed: 08-02-055. Bitting is double, same both sides.

Mfgr: Renault

Series: 2700A - 4816Z

Models: Encore, 18i, etc.

Blank: X122

Depths

Cuts Start at: .189

1-.287

Spacing: .0985

2-.264

Block #: 5

3-.241

Incr: .023

4-.218

No of Spaces: 6

Spaces: .189, .287, .386, .484, .583, .681

Reed: 08-02-178. Bitting is double, same both sides.

Mfgr: Rifkin

Depths

Series: Bank Bags

1-.250

Blank: 997X

2-.232

Cuts Start at: .146

3-.214

Spacing: .140

4-.196

Block #: 1

5-.178

Incr: .018

6-.160

No of Spaces: 5

7-.142

Spaces: .146, .286, .426, .566, .706

Mfgr: Saab

Series: A11111-A55555

Blank: H61VR

Depths

Cuts Start at: .150

1-.217

Spacing: .130

2-.236

Block #: 2

3-.256

Incr: .0197

4-.276

No of Spaces: 5

5-.285

Spaces: .150, .280, .410, .540, .670

Reed: 06-01-235.

Mfgr: Saab

Series: AC0001-3192

Models: 99, 900, etc.

Blank: X52

Depths

Cuts Start at: .087

1-.283

Spacing: .087

2-.260

Block #: 4

3-.237

Incr: .023

4-.214

No of Spaces: 10

Spaces: .087, .174, .261, .348, .435, .522, .609, .696, .783, .870

Reed: 06-01-229, 08-02-216, 11-02-048. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Saab
 Series: C, D, E & F064-126
 Blanks: MB4, MB5
 Cuts Start at: .180 Depths
 Spacing: .120 1-.235
 Block #: 2 2-.210
 Incr: Var. 3-.180
 No of Spaces: 5
 Spaces: .180, .300, .420, .540, .660
 Reed: 07-03-259.

Mfgr: Saab
 Series: W601-842
 Models: Gas Cap Lock
 Blank: WS11 Depths
 Cuts Start at: .150 1-.291
 Spacing: .094 2-.268
 Block #: 3 3-.244
 Incr: .0235
 No of Spaces: 5
 Spaces: .150, .244, .338, .432, .526
 Reed: 06-01-293. Bitting is double, same both sides.

Mfgr: Saab
 Series: 11001-13300; 21001-23300; 71001-73300;
 81001-83300; 201001-203300; 221001-223300;
 301001-303300; 321001-323300
 Models: 99, 900, etc.
 Blanks: SR61W, X31 Depths
 Cuts Start at: .160 1-.158
 Spacing: .140 2-.185
 Block #: 1 3-.212
 Incr: .027 4-.239
 No of Spaces: 6
 Spaces: .160, .300, .440, .580, .720, .860
 Reed: 04-04-050, 05-02-414.

Mfgr: Sargent	Depths
Series: U, R, K, G, T, UT	1-.329
Blanks: 1009, 1010, etc.	2-.316
Cuts Start at: .215	3-.304
Spacing: .156	4-.291
Block #: 1	5-.279
Incr: .0125	6-.266
No of Spaces: 6	7-.254
Spaces: .215, .371, .527, .683, .839, .995	8-.241 9-.229 0-.216

Mfgr: Sargent	Depths
Series: C, R, L, S	1-.328
Blanks: 1007, etc.	2-.308
Cuts Start at: .216	3-.288
Spacing: .156	4-.268
Block #: 1	5-.248
Incr: .020	6-.228
No of Spaces: 6	7-.208
Spaces: .216, .372, .528, .684, .840, .996	8-.188 9-.168 0-.148 X-.148

Mfgr: Sargent	Depths
Series: 8M Small; 49A-75A; B201-224; 101A-300A; B1-500; 1B-500B; A & J	1-.286
Blank: 1010B	2-.273
Cuts Start at: .140	3-.261
Spacing: .125	4-.248
Block #: 1	5-.236
Incr: .0125	6-.223
No of Spaces: 5	7-.211
Spaces: .140, .265, .390, .515, .640	8-.198 9-.186 0-.173

Mfgr: Sargent	Depths
Series: Small Pin F & P	1-.286
Blank: 1010B	2-.273
Cuts Start at: .215	3-.261
Spacing: .156	4-.248
Block #: 1	5-.236
Incr: .0125	6-.223
No of Spaces: 4	7-.211
Spaces: .215, .371, .527, .683	8-.198 9-.186 0-.173

Mfgr: Sargent & Greenleaf	Depths
Series: File Locks	1-.250
Blank: 997E	2-.232
Cuts Start at: .146	3-.214
Spacing: .140	4-.196
Block #: 1	5-.178
Incr: .018	6-.160
No of Spaces: 5	7-.142
Spaces: .146, .286, .426, .566, .706	

Mfgr: Saturn	
Series: R000-999; T000-394	
Models: All	
Blank: P1100	Depths
Cuts Start at: .144	1-.340
Spacing: .092	2-.315
Block #: 3	3-.290
Incr: .025	4-.265
No of Spaces: 7	
Spaces: .144, .236, .328, .420, .512, .604, .696	
Reed: 10-04-029, 034. Bitting is double, same both sides.	
Use Ford 5 pin spacing clip. Set starting cut at .144 (first cut from bow). See cutting procedure on page 33. Watch codes, some books are printed tip to bow.	

Mfgr:	Schlage	Depths
Series:	Pin Tumbler	0-.335
Blanks:	1045C, etc.	1-.320
Cuts Start at:	.231	2-.305
Spacing:	.156	3-.290
Block #:	1	4-.275
Incr:	.015	5-.260
No of Spaces:	5 or 6	6-.245
Spaces:	.231, .387, .543, .699, .855, 1.011	7-.230
		8-.215
		9-.200

Mfgr: **Schlage**
Series: **Wafer**
Blanks: **1307A, 1307W**
Cuts Start at: **.275**
Spacing: **.125**
 Use narrow side of vise. Set blank with rib against face of vise.
 1307W - set depth at .295. 1307A - set depth at .260. #10 series, rib down, run out #8 cut. #20 series, rib up, run out #8 cut.

Mfgr:	Schroeder Thompson	
Series:	HS1-100; MM101-225; TW001-050	
Blanks:	L1054B, etc.	Depths
Cuts Start at:	.125	1-.250
Spacing:	.097	2-.230
Block #:	5	3-.210
Incr:	.020	4-.190
No of Spaces:	5	5-.170
Spaces:	.125, .222, .319, .416, .513	X-.220

Mfgr:	Security	Depths
Series:	All	0-.320
Blanks:	See Code Books	1-.305
Cuts Start at:	.243	2-.290
Spacing:	.155	3-.275
Block #:	2	4-.260
Incr:	.015	5-.245
No of Spaces:	5	6-.230
Spaces:	.243, .398, .553, .708, .863	

Mfgr:	Segal	Depths
Series:	1955 Arrow	0-.306
Blank:	1022	1-.286
Cuts Start at:	.260	2-.266
Spacing:	.155	3-.246
Block #:	2	4-.226
Incr:	.020	5-.206
No of Spaces:	5	6-.186
Spaces:	.260, .415, .570, .725, .880	

Mfgr:	Segal (Old Detroit Cyl)	Depths
Series:	A & D	0-.315
Blank:	1022	1-.295
Cuts Start at:	.245	2-.275
Spacing:	.155	3-.255
Block #:	2	4-.235
Incr:	.020	5-.215
No of Spaces:	5	6-.195
Spaces:	.245, .400, .555, .710, .865	7-.175

Old Segal uses same depths and spaces with .260 start.

Mfgr:	Skillman	Depths
Series:	Key-In-Knob	1-.328
Blank:	1001EN	2-.314
Cuts Start at:	.197	3-.300
Spacing:	.156	4-.286
Block #:	1	5-.272
Incr:	.014	6-.258
No of Spaces:	5	7-.244
Spaces:	.197, .353, .509, .665, .821	8-.230 9-.216 0-.202

Mfgr:	Simca	
Series:	H11111A-H77777Z	
Blank:	M68T	Depths
Cuts Start at:	.150	1-.190
Spacing:	.102	2-.205
Block #:	3	3-.220
Incr:	.015	5-.235
No of Spaces:	5	7-.250
Spaces:	.150, .252, .354, .456, .558	
Reed:	06-01-195.	

Mfgr: Simca

Series: C, J, R, V, W, P, Y & Z 1-224

Blanks: See Code Books

Cuts Start at: .220

Depths

1-.270

Spacing: .093

2-.250

Block #: 1

3-.230

Incr: .020

No of Spaces: 5

Spaces: .220, .313, .406, .499, .592

Reed: 06-01-198. Bitting is double, same both sides.

Mfgr: Simca

Series: B & P11111-55555

Blank: 62RS

Depths

1-.293

Cuts Start at: .197

2-.254

Spacing: .138

3-.215

Block #: 2

or

Incr: .039

1-.293

No of Spaces: 6

3-.254

Spaces: .197, .335, .473, .611, .749, .887

5-.215

Reed: 08-02-234

See code books for cutting information on this series.

Mfgr: Simca

Series: BBBBBA - EEEEEEZ

Blanks: NE 34 or NE26

Depths

B-.219

Cuts Start at: .090

C-.244

Spacing: .100

D-.269

Block #: 3

E- FW

Incr: .025

No of Spaces: 6

Spaces: .090, .190, .290, .390, .490, .590

Reed: 08-02-235. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Slaymaker

Series: Pin Tumbler Padlocks

Blank: 1074B

Depths

1-.320

Cuts Start at: .220

2-.295

Spacing: .155

3-.270

Block #: 2

4-.245

Incr: .025

5-.220

No of Spaces: 5

6-.195

Spaces: .220, .375, .530, .685, .840

Mfgr: Slaymaker
 Series: Phone Locks

Blank:	1155B	Depths
Cuts Start at:	.165	0-.200
Spacing:	.085	1-.185
Block #:	5	2-.170
Incr:	.015	3-.155
No of Spaces:	5	4-.140
Spaces: .165, .250, .335, .420, .505		

Mfgr: Slaymaker
 Series: 701 Disc Padlocks

Blank:	1120D	Depths
Cuts Start at:	.160	2-.282
Spacing:	.093	3-.252
Block #:	1	4-.222
Incr:	.030	
No of Spaces:	5	
Spaces: .160, .253, .346, .439, .532		

Mfgr: Slaymaker
 Series: #66 Padlocks (Pin)

Blank:	K266	Depths
Cuts Start at:	.167	1-.295
Spacing:	.150	2-.260
Block #:	3	3-.235
Incr:	.025	4-.210
No of Spaces:	5	5-.185
Spaces: .167, .317, .467, .617, .767		

Mfgr: Squire
 Series: #33 Padlocks

Blank:	1192B (Ilco)	Depths
Cuts Start at:	.125	0-.200
Spacing:	.125	1-.185
Block #:	1	2-.170
Incr:	.015	3-.155
No of Spaces:	4	4-.140
Spaces: .125, .250, .375, .500		5-.125

Mfgr: Squire	Depths
Series: #37 & #39 Padlocks	0-.270
Blank: 1192 (Ilco)	1-.255
Cuts Start at: .185	2-.235
Spacing: .125	3-.220
Block #: 1	4-.205
Incr: .015	5-.190
No of Spaces: 4	6-.175
Spaces: .185, .310, .435, .560	

Mfgr: Sterling

Series: E8000-8999; L8001-10000

Blank: X170	Depths
Cuts Start at: .098	1-.299
Spacing: Ster.	2-.275
Block #: 4	3-.251
Incr: .024	4-.227
No of Spaces: 10	
Spaces: .098, .185, .272, .359, .446, .533, .627, .677, .771, .821	
Reed: 10-02-023. Bitting is double, same both sides. Cuts 7 & 8 and 9 & 10 are double cuts. Each double chamber contains two wafers. Use #4 Block - Sterling spacing. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter. Correct blank must be used - 11th wafer is seated on tip of blank.	

Mfgr: Subaru

Series: E601-900

Blank: X108	Depths
Cuts Start at: .150	1-.236
Spacing: .100	2-.217
Block #: 3	3-.197
Incr: .0197	4-.177
No of Spaces: 5	
Spaces: .150, .250, .350, .450, .550	
Reed: 03-05-179	

Mfgr: Subaru
 Series: F, N & W001-1000
 Models: Brat, DL, GL, STD, etc.
 Blanks: X6, X115 Depths
 Cuts Start at: .155 7-.276
 Spacing: .0985 6-.256
 Block #: 5 5-.236
 Incr: .0197 4-.217
 No of Spaces: 6
 Spaces: .155, .254, .352, .451, .549, .648
 Reed: 03-05-196. Bitting is double, same both sides.
 Some code books use 1, 2, 3 & 4 for depths.

Mfgr: Subaru
 Series: X8001-9000; Y8001-9000
 Models: Justy, Legacy, Loyale, XT, etc.
 Blank: X123, X124(V) Depths
 Cuts Start at: .118 1-.276
 Spacing: .083 2-.256
 Block #: 5 3-.236
 Incr: .0197 4-.217
 No of Spaces: 8
 Spaces: .118, .201, .283, .366, .449, .532, .614, .697
 Reed: 08-02-049. Bitting is double, same both sides.

Mfgr: Suzuki
 Series: U0001-2000
 Models: Samurai, Swift, etc.
 Blank: X185 Depths
 Cuts Start at: .098 1-.242
 Spacing: .083 2-.270
 Block #: 5 3-.297
 Incr: .0277 4-.325
 No of Spaces: 8
 Spaces: .098, .181, .264, .346, .429, .512, .594, .677
 Reed: 09-02-196. Bitting is double, same both sides. If deep cut
 is found in first position, cut a #4 cut and hand file to avoid losing
 shoulder or use FC8735 cutter.

Mfgr: Suzuki

Series: U3001-4000; U7001-8200

Models: Cultus, Samurai

Blanks: X54, X121

Depths

1-.276

Cuts Start at: .098

2-.256

Spacing: .0985

3-.236

Block #: 5

4-.217

Incr: .0197

No of Spaces: 6

Spaces: .098, .197, .296, .394, .492, .591

Reed: 08-02-242, 247. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Suzuki

Series: 6001-7000

Blank: X179

Depths

1-.296

Cuts Start at: .157

2-.276

Spacing: .098

3-.256

Block #: 3

4-.236

Incr: .020

No of Spaces: 7

Spaces: .157, .255, .353, .451, .549, .647, .745

Reed: 09-04-085. Bitting is double, same both sides.

Mfgr: Suzuki

Series: 16501-17704

Models: Alto, Cervo, Cultus

Blank: SZ8R (Silca)

Depths

1-.315

Cuts Start at: .088

2-.295

Spacing: .0985

3-.276

Block #: 5

4-.256

Incr: .0197

No of Spaces: 7

Spaces: .088, .187, .285, .384, .482, .581, .679

Reed: 10-02-119. Bitting is double, same both sides.

Use Ford 5 pin spacing clip and set starting cut at .088. See cutting procedure on page 33.

Mfgr: Suzuki

Series: 18100-19299

Models: Sidekick

Blanks: X186

Depths

Cuts Start at: .098

1-.315

Spacing: .083

2-.299

Block #: 5

3-.283

Incr: .0157

4-.268

No of Spaces: 8

5-.252

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-205. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Suzuki Cycle

Series: 101, 201, 301, 401, 460

Blank: X87

Depths

Cuts Start at: .100

1-.285

Spacing: .090

2-.265

Block #: 3

3-.245

Incr: .020

4-.225

No of Spaces: 6

Spaces: .100, .190, .280, .370, .460, .550

Reed: 05-04-022. Bitting is double, same both sides. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Suzuki Cycle

Series: 1111-4555

Blanks: See Code books

Depths

Cuts Start at: .275

1-.150

Spacing: .150

3-.180

Block #: 2

5-.210

Incr: .030

No of Spaces: 3

Spaces: .275, .425, .575

Reed: 05-04-021.

Mfgr: Suzuki Cycle**Series: A, B, C, D, E & F32010-79897****Blanks:** See Code books**Depths****Cuts Start at:** .157 **1-.296****Spacing:** .0985**2-.276****Block #:** 5**3-.256****Incr:** .020**4-.236****No of Spaces:** 5**Spaces:** .157, .255, .354, .425, .551**Reed:** 09-04-079. Bitting is double, same both sides.

See code books for cutting procedure.

Mfgr: Suzuki Cycle**Series: A001-133****Blanks:** SZ6 & SZ7**Depths****Cuts Start at:** .100**1-.285****Spacing:** .090**2-.265****Block #:** 3**3-.245****Incr:** .020**4-.225****No of Spaces:** 5**Spaces:** .100, .190, .280, .370, .460

Bitting is double, same both sides.

Mfgr: Suzuki Cycle**Series: 11114-44444****Blanks:** X11**Depths****Cuts Start at:** .080**1-.180****Spacing:** .100**2-.200****Block #:** 3**3-.220****Incr:** .020**4-.235****No of Spaces:** 5**Spaces:** .080, .180, .280, .380, .480**Reed:** 05-04-021. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.**Mfgr: Suzuki Cycle****Series: 161-200; 261-300; 361-400; 461-499****Blanks:** X87**Depths****Cuts Start at:** .100**1-.280****Spacing:** .100**2-.260****Block #:** 3**3-.240****Incr:** .020**4-.220****No of Spaces:** 5 or 6**Spaces:** .100, .200, .300, .400, .500, .600**Reed:** 08-05-050. Bitting is double, same both sides. Cut a #4 depth in the 6th position if required.

Mfgr: Taunus
 Series: OA1-210; PN101-295
 Blank: F76M Depths
 Cuts Start at: .130 1-.275
 Spacing: .130 3-.255
 Block #: 2 5-.235
 Incr: .020
 No of Spaces: 5
 Spaces: .130, .260, .390, .520, .650
 Reed: 08-02-169.

Mfgr: Taylor
 Series: B101-112
 Blank: 1141K Depths
 Cuts Start at: .120 1-.210
 Spacing: .093 2-.190
 Block #: 1 3-.170
 Incr: .020 4-.150
 No of Spaces: 5
 Spaces: .120, .213, .306, .399, .492
 First space not used on #340 file locks.

Mfgr: Taylor Depths
 Series: F10-21 1-.250
 Blanks: 1141K & 1141F 2-.230
 Cuts Start at: .141 3-.210
 Spacing: .141 4-.190
 Block #: N/A 5-.170
 Incr: .020 6-.150
 No of Spaces: 5 7-.130
 Spaces: .141, .282, .423, .564, .705
 Steps 5, 6 & 7 used with 1141F keyway. Use narrow side of vise if
#7 cut is used.

Mfgr: Taylor Depths
 Series: Large Pin, FM 1-.324
 Blank: 1141GE 2-.304
 Cuts Start at: .240 3-.284
 Spacing: .156 4-.264
 Block #: 1 5-.244
 Incr: .020 6-.224
 No of Spaces: 5 7-.204
 Spaces: .240, .396, .552, .708, .864

Mfgr:	Taylor	Depths
Series:	B262 - 1934	1-.323
Blank:	1141H	2-.305
Cuts Start at:	.290	3-.285
Spacing:	.165	4-.265
Block #:	2	5-.245
Incr:	.020	6-.225
No of Spaces:	5	7-.205
Spaces:	.290, .455, .620, .785, .950	

Mfgr:	Taylor	Depths
Series:	B; Padlocks	1-.324
Blank:	111TS, 111TC	2-.304
Cuts Start at:	.260	3-.284
Spacing:	.155	4-.264
Block #:	2	5-.244
Incr:	.020	6-.224
No of Spaces:	4	7-.204
Spaces:	.260, .415, .570, .725	

Mfgr:	Taylor	Depths
Series:	781 Padlocks	1-.290
Blank:	111A, 111HC	2-.270
Cuts Start at:	.141	3-.250
Spacing:	.140	4-.230
Block #:	1	5-.210
Incr:	.020	6-.190
No of Spaces:	4	7-.170
Spaces:	.141, .281, .421, .561	

Mfgr:	Taylor	
Series:	Disc Tumbler Padlocks	
Blank:	111	Depths
Cuts Start at:	.105	1-.243
Spacing:	.093	2-.223
Block #:	1	3-.203
Incr:	.020	4-.183
No of Spaces:	4	5-.163
Spaces:	.105, .198, .291, .384	

Mfgr: Tel-Lock

Series: Phone Locks

Blank:	1155B	Depths
Cuts Start at:	.125	1-.185
Spacing:	.125	2-.170
Block #:	1	3-.155
Incr:	.015	4-.140
No of Spaces:	5	
Spaces:	.125, .250, .375, .500, .625	

Mfgr: Tesa

Series: Numbers

Blanks:	TS1 & TS2 (Ilco)	Depths
Cuts Start at:	.165	1-.321
Spacing:	.175	2-.301
Block #:	2	3-.281
Incr:	.020	4-.261
No of Spaces:	5	5-.241
Spaces:	.165, .340, .515, .690, .865	
Ward cut is	.110 from tip and .075 deep.	

Mfgr: Teskey

Series: K000-999; S000-999

Blank:	1003M	Depths
Cuts Start at:	.169	1-.268
Spacing:	.126	2-.248
Block #:	5	3-.228
Incr:	.020	4-.209
No of Spaces:	5	5-.190
Spaces:	.169, .295, .421, .547, .673	

Mfgr: Timberline

Series: 100T-999T

Blank:	1043J	Depths
Cuts Start at:	.137	1-.188
Spacing:	.099	2-.208
Block #:	3	3-.228
Incr:	.020	4-.248
No of Spaces:	5	
Spaces:	.137, .236, .335, .434, .533.	

Mfgr: Toyota**Series: A001-4640; M5551-9280; N1921-2220; T3400-7899**

Blanks: TA23, T61F, T61E(V)	Depths
Cuts Start at: .083	1-.217
Spacing: .0985	2-.236
Block #: 5	3-.256
Incr: .0197	4-.276

No of Spaces: 6**Spaces: .083, .181, .280, .378, .477, .575****Reed: 03-05-229, 232, 235, 261, 264, 267, 270, 273, 307.**

Bitting is double, same both sides. If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Toyota**Series: D5001-6020; K0001-9000; R0401-6924;****S5951-7460; S8171-9680; S8001-8104*****Models: Celica, Corolla, MR2, Pickup, Supra, Tercel, etc.****Blanks: T61C, T61D(V), X137**

Cuts Start at: .098	Depths
Spacing: .0985	1-.217
Block #: 5	2-.236
Incr: .0197	3-.256
No of Spaces: 6 (*4)	4-.276

Spaces: .098, .197, .296, .394, .492, .591**Reed: Various Volumes. Bitting is double, same both sides.**

If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Toyota**Series: F1-1368; F5951-9710; P7001-8500; S001-S5SS****Models: Camry, Corolla, Corona, Cressida, FX****Blanks: X37, X45, X146, X159, X218**

Cuts Start at: .098	Depths
Spacing: .0985	1-.276
Block #: 5	2-.256
Incr: .0197	3-.236
No of Spaces: 6	4-.217

Spaces: .098, .197, .296, .394, .492, .591**Reed: Various Volumes. Bitting is double, same both sides.**

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Toyota**Series: G1-2000; P1-2000; W1-2000; X1-2000****Models: Celica, Corolla, Cressida, MR2, Pickup,
Land Cruiser, Supra, 4 Runner**

Blanks:	X174, X211, X219(V)	Depths
Cuts Start at:	.098	1-.325
Spacing:	.083	2-.297
Block #:	5	3-.270
Incr:	.0277	4-.242

No of Spaces: 8

Spaces: .098, .181, .264, .346, .429, .512, .594, .677

Reed: 09-02-335, 10-02-125, 134, 143. Bitting is double,
same both sides. If deep cut is found in first position, cut a #1 cut
and hand file to avoid losing shoulder or use FC8735 cutter.**Mfgr: Toyota****Series: N0001-2000****Model: Corolla Wagon**

Blank:	X223	Depths
Cuts Start at:	.098	1-.327
Spacing:	.095	2-.303
Block #:	1	3-.280
Incr:	.0237	4-.256

No of Spaces: 7

Spaces: .098, .193, .287, .382, .476, .571, .665

Reed: 11-02-055. Bitting is double, same both sides.

If deep cut is found in first position, cut a #1 cut and hand file to
avoid losing shoulder or use FC8735 cutter.**Mfgr: Toyota****Series: S0001-2878****Models: Celica, Corolla, Paseo, Previa, Tercel**

Blanks:	X151, X212	Depths
Cuts Start at:	.128	1-.319
Spacing:	.083	2-.305
Block #:	5	3-.291
Incr:	.0138	4-.278
No of Spaces:	8	5-.264

Spaces: .128, .211, .293, .376, .459, .541, .624, .707 6-.250

Reed: 09-02-346. Bitting is double, same both sides. 7-.236

Mfgr: Toyota

Series: 1001-2500; 3001-4500; 5001-6500

Models: Corolla, Cressida, Van

Blanks: TR25, TR26

Depths

1-.268

Cuts Start at: .178

2-.248

Spacing: .106

3-.228

Block #: 4

4-.208

Incr: .020

No of Spaces: 6

Spaces: .178, .284, .390, .496, .602, .708

Reed: 03-05-309, 316. Bitting is double, same both sides.

Mfgr: Toyota

Series: 1116-6662

Models: Crown, Land Cruiser

Blanks: TA2, TA4, TA5, TA11, TA12, TA16

Depths

1-.220

Cuts Start at: .138

3-.189

Spacing: .138

Block #: 2

5-.157

Incr: .0315

No of Spaces: 5

Spaces: .138, .276, .414, .552, .690

Reed: 05-02-396.

Mfgr: Toyota

Series: 10001-15000

Models: Camry, Corolla Sedan, T100

Blanks: X217 & X220(V)

Depths

1-.323

Cuts Start at: .368

2-.299

Spacing: .090

3-.276

Block #: 3

4-.252

Incr: .0237

No of Spaces: 8

Spaces: .368, .459, .549, .640, .730, .821, .911, 1.002

Reed: 11-02-064. Bitting is double, same both sides.

Lay spacing clip FLAT and set starting cut at .368. See cutting procedure on page 33.

Mfgr: Toyota

Series: 511121-555424; 611121-655424

Blanks:	TA6, TA8	Depths
Cuts Start at:	.080	1-.236
Spacing:	.098	2-.218
Block #:	3	3-.198
Incr:	.020	4-.178

No of Spaces: 6

Spaces: .080, .178, .276, .374, .472, .570

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Toyota

Series: Gas Caps

Blank:	X54 (shortened)	Depths
Cuts Start at:	.140	1-.285
Spacing:	.095	2-.255
Block #:	1	3-.225
Incr:	.030	

No of Spaces: 5

Spaces: .140, .235, .330, .425, .520

Bitting is double, same both sides. Shorten blank to .700 from shoulder or use FC8735 cutter.

Mfgr: Triumph

Series: FA501-625; FP626-750

Blanks:	62DG, 62DP	Depths
Cuts Start at:	.162	1-.238
Spacing:	.095	2-.205
Block #:	1	3-.175
Incr:	.0315	

No of Spaces: 5

Spaces: .162, .257, .352, .447, .542

Reed: 02-04-051, 02-05-048, 06-01-021

Run out fifth cut to end of key.

Mfgr: Triumph

Series: FR1-2000; FR4001-6000

Models: GT-6, TR8, etc.

Blank:	FT6R	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	5-.166
Reed:	05-02-158.	

Mfgr: Triumph

Series: FS1-99; FK & FS876-955

Models: Spitfire, TR6, TR7, etc.

Blanks:	62FS	Depths
Cuts Start at:	.162	1-.236
Spacing:	.095	2-.204
Block #:	1	3-.172
Incr:	.032	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542	
Reed:	05-02-427.	

Mfgr: Triumph

Series: FT101-360

Models: Stag, TR6, TR8, etc.

Blank:	62FT	Depths
Cuts Start at:	.235	1-.290
Spacing:	.094	2-.260
Block #:	3	3-.230
Incr:	.030	
No of Spaces:	5	
Spaces:	.235, .329, .423, .517, .611	
Reed:	05-02-111, 06-01-060.	
Bitting is double, same both sides.		

Mfgr: Triumph

Series: NH2001-3000

Models: TR6, TR7, etc.

Blank: MG1

Depths

Cuts Start at: .157

1-.310

Spacing: .095

2-.290

Block #: 3

3-.270

Incr: .020

4-.250

No of Spaces: 10

Spaces: .157, .252, .347, .442, .537, .632, .727, .822, .917, 1.012

Reed: 05-02-218. Bitting is double, same both sides.

Mfgr: Triumph

Series: WR1001-2000

Models: Spitfire

Blanks: X55

Depths

Cuts Start at: Short = .213, Long = .291

1-.327

Spacing: .079

2-.303

Block #: N/A

3-.280

Incr: .0237

4-.256

No of Spaces: 8

Spaces:

Short: .213, .292, .371, .450, .529, .608, .687, .766

Long: .291, .370, .449, .528, .607, .686, .765, .844

Reed: 07-03-072. Bitting is double, different both sides.

Critical: Start spacing from shoulder closest to tip of blank.

Mfgr: Union

Series: NKWH1-50; NKL & NND1-450

Blanks: 62DA, etc.

Depths

Cuts Start at: .157

1-.295

Spacing: .140

2-.272

Block #: 1

3-.249

Incr: .023

4-.226

No of Spaces: 4 or 5

5-.203

Spaces: .157, .297, .437, .577, .717

6-.180

Reed: 10-04-184 & 185.

Mfgr: Vetter-Fairing
Series: VF101-110
Blanks: See Code Books **Depths**
Cuts Start at: .156 1-.290
Spacing: .093 2-.265
Block #: 1 3-.240
Incr: .025 4-.215
No of Spaces: 6
Spaces: .156, .249, .342, .435, .528, .621
Reed: 08-05-020. Bitting is double, same both sides. For cycle bags and compartments.

Mfgr: Viro	Depths
Series: 015	1-.306
Blanks: VR91	2-.290
Cuts Start at: .157	3-.274
Spacing: .156	4-.258
Block #: 1	5-.242
Incr: .016	6-.226
No of Spaces: 5	7-.210
Spaces: .157, .313, .469, .625, .781	

Mfgr: Viro	Depths
Series: 011-013	0-.268
Blanks: VR91AR	1-.252
Cuts Start at: .157	2-.236
Spacing: .156	3-.220
Block #: 1	4-.204
Incr: .016	5-.188
No of Spaces: 5	6-.172
Spaces: .157, .313, .469, .625, .781	

Mfgr: Viro

Series: Small Pin

Blanks: See Code Books

Depths

Cuts Start at: .157

0-.265

Spacing: .130

1-.245

Block #: 2

2-.225

Incr: .020

3-.205

No of Spaces: 5

4-.185

Spaces: .157, .287, .417, .547, .677

Mfgr: Volkswagen

Series: A, D & M11111-55555

Blanks: R61N

Depths

Cuts Start at: .150

1-.217

Spacing: .130

2-.236

Block #: 2

3-.256

Incr: .0197

4-.276

No of Spaces: 5

5-.285

Spaces: .150, .280, .410, .540, .670

Reed: 06-01-170.

Mfgr: Volkswagen

Series: A & T3001-6150; 01A01-74A74

Blanks: HF17, VW64T

Depths

Cuts Start at: SH = .100, PL = .175

1-.260

Spacing: .150

2-.240

Block #: 2

3-.216

Incr: Var.

No of Spaces: 4

Spaces: SH = .100, .250, .400, .550

PL = .175, .325, .475, .625

Reed: 03-05-014, 019. Bitting is double, different both sides.

If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Volkswagen

Series: AH1-854, 2001-2830, 4001-5151, 7101-8154
 AN1-854, 2001-2830, 4001-5151, 7101-8154
 HV1-854, 2001-2830, 4001-5151, 7101-8154
 N1-854, 2001-2830, 4001-5151, 7101-8154
 NV1-854, 2001-2830, 4001-5151, 7101-8154
 VB1-854, 2001-2830, 4001-5151, 7101-8154

Models: Dasher, Fox, Golf, Jetta, Rabbit, etc.

Blanks: X203, X139, X88, X110, X9	Depths
Cuts Start at: .100	1-.300
Spacing: Use VB1 Spacing Block only*	2-.276
Block #: 2	3-.252
Incr: .024	4-.228

No of Spaces: 10

Reed: 03-05-141, 04-04-060, 04-04-072, 08-02-013.

*2/3, 5/6 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #VB200 would read 3431434 and should be extended to read 3443114334. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Volkswagen

Series: AH1001-1918, 3001-3890, 6001-7086, 8201-9282
 AN1001-1918, 3001-3890, 6001-7086, 8201-9282
 HV1001-1918, 3001-3890, 6001-7086, 8201-9282
 N1001-1918, 3001-3890, 6001-7086, 8201-9282
 NV1001-1918, 3001-3890, 6001-7086, 8201-9282
 VB1001-1918, 3001-3890, 6001-7086, 8201-9282

Models: Dasher, Fox, Golf, Jetta, Rabbit, etc.

Blanks: X203, X139, X88, X110, X9	Depths
Cuts Start at: .100	1-.300
Spacing: Use VB2 Spacing Block only*	2-.276
Block #: 2	3-.252
Incr: .024	4-.228

No of Spaces: 10

Reed: 03-05-152, 04-04-066, 04-04-079, 08-02-019

*2/3, 6/7 & 8/9 are double cuts. Some code books list all 10 cuts while others list only seven. Before cutting key, extend code number to read all 10 cuts. Example: Code #VB1200 would read 2422134 and should be extended to read 2442211334. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Volkswagen**Series: C, D, E & F064-126**

Blanks:	M63B, MB5	Depths
Cuts Start at:	.180	1-.235
Spacing:	.120	2-.210
Block #:	2	3-.180
Incr:	Var.	
No of Spaces:	5	
Spaces:	.180, .300, .420, .540, .660	
Reed:	07-03-259.	

Mfgr: Volkswagen**Series: CZ1-2000**

Blanks:	VW1CZ	Depths
Cuts Start at:	.132	1-.265
Spacing:	.100	2-.250
Block #:	3	3-.235
Incr:	.015	4-.220
No of Spaces:	6	5-.205
Spaces:	.132, .232, .332, .432, .532, .632	6-.190
Reed:	03-05-048	7-.175

Mfgr: Volkswagen**Series: D & F113-555; E124-555; V112-554; Z114-554**

Blank:	62VO	Depths
Cuts Start at:	.125	1-.270
Spacing:	.115	2-.255
Block #:	3	3-.240
Incr:	.015	4-.225
No of Spaces:	4	5-.210
Spaces:	.125, .240, .355, .470	
Reed:	03-05-064. Run out last cut.	

Mfgr: Volkswagen**Series: 1D-7D4; 1E-6E9; 1F-7F1; 1V-5V9; 1Z-5Z9**

Blanks:	62VE, W62VE	Depths
Cuts Start at:	.115	1-.278
Spacing:	.102	2-.262
Block #:	3	3-.246
Incr:	.016	4-.230
No of Spaces:	6	5-.214
Spaces:	.115, .217, .319, .421, .523, .625	
Reed:	03-05-060.	

Mfgr: Volkswagen

Series: DV01-01 - DV64-64

Blank: VW77

Depths

Cuts Start at: SH = .215, PL = .185

1-.310

Spacing: .138

2-.287

Block #: 2

3-.264

Incr: .023

4-.241

No of Spaces: 5

Spaces: SH = .215, .353, .491, .629, .767

PL = .185, .323, .461, .599, .737

Reed: 03-05-058. Bitting is double, staggered cuts.

Mfgr: Volkswagen

Series: F001-600

Blanks: A62VC

Depths

Cuts Start at: .235

1-.210

Spacing: .125

2-.195

Block #: 1

3-.170

Incr: Var.

4-.150

No of Spaces: 5

5-.135

Spaces: .235, .360, .485, .610, .735

Reed: 08-02-300.

Mfgr: Volkswagen

Series: F1-2160

Blanks: VW63A

Depths

Cuts Start at: .270

1-.275

Spacing: .135*

2-.255

Block #: 2

3-.235

Incr: .020

4-.215

No of Spaces: 6*

5-.195

Spaces: .270, .405, .540, .675, .810, .970

Reed: 03-05-068. *Spacing between 5th and 6th cut is .160.

Cut a #5 cut in the 6th position on all keys.

Mfgr: Volkswagen

Series: FB1-210

Models: Cabriolet, Dasher, etc.

Blanks: X53

Depths

Cuts Start at: .140

1-.280

Spacing: .120

3-.260

Block #: 2

5-.240

Incr: .020

No of Spaces: 6

Spaces: .140, .260, .380, .500, .620, .740

Reed: 03-05-078. Bitting is double, same both sides.

Mfgr: Volkswagen**Series: FK, FM & FR1-2000**

Blank:	FT6R, VW63	Depths
Cuts Start at:	.158	0-.266
Spacing:	.138	1-.246
Block #:	2	2-.226
Incr:	.020	3-.206
No of Spaces:	5	4-.186
Spaces:	.158, .296, .434, .572, .710	5-.166
Reed:	05-02-158, 03-05-080.	

Mfgr: Volkswagen**Series: G1-240; SC, SU, SV1-630; SE1-750; SG1-540****Models: Beetle, Cabriolet, etc.**

Blanks:	61VW, S62DW, U61VW, V61VW, 62VW, etc.	Depths
Cuts Start at:	.140	1-.256
Spacing:	.090	2-.241
Block #:	3	3-.226
Incr:	.015	4-.211
No of Spaces:	5 or 6	5-.196
Spaces:	.140, .230, .320, .410, .500, .590	
Reed:	03-05-090, 115, 118, 121, 08-02-303.	
See code books for additional cutting information.		

Mfgr: Volkswagen**Series: H100-2099**

Blank:	VW63	Depths
Cuts Start at:	.145	1-.270
Spacing:	.130	2-.250
Block #:	2	3-.230
Incr:	.020	4-.210
No of Spaces:	6*	5-.190
Spaces:	.145, .275, .405, .535, .665	6-.170
Reed:	03-05-093. *Cut a #4 cut in the 6th position on all keys. Run out to tip of key.	7-.156

Mfgr: Volkswagen

Series: H5000-H5999

Blank:	VW63	Depths
Cuts Start at:	.140	0-.255
Spacing:	.140	1-.235
Block #:	1	2-.215
Incr:	.020	3-.195
No of Spaces:	6*	4-.175
Spaces:	.140, .280, .420, .560, .700, .840	5-.155
Reed:	03-05-103. Use narrow side of vise.	6-.135

*Cut a #2 cut in the 6th position on all keys. Run out to tip of key.

Mfgr: Volkswagen

Series: K, L, M, & 11R001-72R110

Models: Beetle, Bus, etc.

Blanks:	V27, VW67S, WW71, WW71A	Depths
Cuts Start at:	SH = .180, PL = .104	1-.255
Spacing:	.156	2-.232
Block #:	1	3-.209
Incr:	.023	4-.186
No of Spaces:	SH = 4, PL = 5	
Spaces:	SH = .180, .336, .492, .648. PL = .104, .260, .416, .572, .728	
Reed:	03-05-108, 110. Bitting is double, staggered cuts.	

Mfgr: Volkswagen

Series: R6001-6500; 6001R-6500R

Blanks:	WS2, WS1	Depths
Cuts Start at:	.115	1-.292
Spacing:	.120	2-.260
Block #:	2	3-.230
Incr:	Var.	4-.210
No of Spaces:	5	5-.190
Spaces:	.115, .235, .355, .475, .595	
Reed:	08-02-061.	

Mfgr: Volkswagen

Series: R7001-7500; 7001R-7500R

Blanks:	WS3, WS4	Depths
Cuts Start at:	.115	1-.292
Spacing:	.120	2-.260
Block #:	2	3-.230
Incr:	Var.	4-.210
No of Spaces:	6	5-.190
Spaces:	.115, .235, .355, .475, .595 .715	
Reed:	08-02-064.	

Mfgr: Volkswagen

Series: U & V1-1000

Blanks: VW64, R63VS, V72N

Depths

1-.255

Cuts Start at: .150

2-.235

Spacing: .128

3-.215

Block #: 2

4-.195

Incr: .020

5-.175

No of Spaces: 5

Spaces: .150, .278, .406, .534, .662

Reed: 03-05-128.

Mfgr: Volkswagen

Series: VA01-01 - VA55-99

Blanks: X8

Depths

1-.280

Cuts Start at: .100

2-.264

Spacing: .094

3-.248

Block #: 3

Incr: .016

4-.232

No of Spaces: 9

Spaces: .100, .194, .288, .382, .476, .570, .664, .758, .852

Reed: 03-05-138. Bitting is double, same both sides.

See code books for cutting information.

Mfgr: Volvo

Series: 1A000-5A745; 1B000-5B745

Models: 240, 740, 760, 780, Trucks, etc.

Blanks: X80, X140

Depths

1-.323

Cuts Start at: .095

2-.296

Spacing: .099

3-.269

Block #: 3

Incr: .027

4-.242

No of Spaces: 10

Spaces: .095, .194, .293, .392, .491, .590, .689, .788, .887, .986

Reed: 06-01-261. Bitting is double, same both sides. Widen 9th cut to .080 width toward tip of key. If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.

Mfgr: Volvo
 Series: A3AA-A3JZ; A4AA-A4JZ
 Models: Trucks
 Blanks: 62UC, R62UC Depths
 Cuts Start at: .152 1-.270
 Spacing: .098 2-.247
 Block #: 3 3-.224
 Incr: .023
 No of Spaces: 6
 Spaces: .152, .250, .348, .446, .544, .642
 Reed: 05-02-133. Bitting is double, same both sides.

Mfgr: Volvo
 Series: OAA1-OAA2663
 Blank: VL1 Depths
 Cuts Start at: .120 0-.275
 Spacing: .120 1-.255
 Block #: 2 2-.235
 Incr: .020 3-.215
 No of Spaces: 6 4-.195
 Spaces: .120, .240, .360, .480, .600, .720

Mfgr: Volvo
 Series: C, D, E & F064-126
 Blanks: M63B, MB5 Depths
 Cuts Start at: .180 1-.235
 Spacing: .120 2-.210
 Block #: 2 3-.180
 Incr: Var.
 No of Spaces: 5
 Spaces: .180, .300, .420, .540, .660
 Reed: 07-03-259.

Mfgr: Volvo
 Series: CC1-1000
 Blanks: WS5 Depths
 Cuts Start at: .140 1-.230
 Spacing: .095 2-.220
 Block #: 1 3-.210
 Incr: Var.
 No of Spaces: 5 4-.200
 Spaces: .140, .235, .330, .425, .520 5-.180
 Reed: 08-02-295. 6-.160

Mfgr: Volvo

Series: DF0001-1975

Blanks:	X81	Depths
Cuts Start at:	.150	1-FW
Spacing:	.080	2-.285
Block #:	3	3-.265
Incr:	.020	4-.245
No of Spaces:	10	
Spaces:	.150, .230, .310, .390, .470, .550, .630, .710, .790, .870	
Reed:	08-02-308.	Bitting is double, same both sides.

Mfgr: Volvo

Series: E, M, N & U1-100

Models: Trucks

Blanks:	NE10, X163	Depths
Cuts Start at:	.260	1-.180
Spacing:	.130	2-.200
Block #:	2	3-.220
Incr:	.020	4-.240
No of Spaces:	4	5-.260
Spaces:	.260, .390, .520, .650	
Reed:	07-03-028.	

Mfgr: Volvo

Series: E11111-55555

Blanks:	VO62	Depths
Cuts Start at:	.150	1-.212
Spacing:	.130	2-.232
Block #:	2	3-.252
Incr:	.020	4-.272
No of Spaces:	5	5-.286
Spaces:	.150, .280, .410, .540, .670	
Reed:	05-02-426.	

Mfgr: Volvo

Series: FR751-875

Blanks:	62DG, 62DP, UN16	Depths
Cuts Start at:	.162	1-.238
Spacing:	.095	2-.205
Block #:	1	3-.175
Incr:	.0315	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542	
Reed:	02-04-051.	Run out fifth cut to end of key.

Mfgr: Volvo**Series: FS001-099 & 876-955; FK001-099 & 876-995**

Blanks:	62FS	Depths
Cuts Start at:	.162	1-.236
Spacing:	.095	2-.204
Block #:	.032	3-.172
Incr:	Var.	
No of Spaces:	5	
Spaces:	.162, .257, .352, .447, .542	
Reed:	05-02-027.	

Mfgr: Volvo**Series: KA001-100**

Blanks:	X20	Depths
Cuts Start at:	.095	1-FW
Spacing:	.100	2-.275
Block #:	3	3-.250
Incr:	.025	4-.225
No of Spaces:	6	
Spaces:	.095, .195, .295, .395, .495, .595	
Reed:	08-02-307. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Volvo**Series: R6001-6500; 6001R-6500R**

Blanks:	WS2, WS1	Depths
Cuts Start at:	.115	1-.292
Spacing:	.120	2-.260
Block #:	2	3-.230
Incr:	Var.	4-.210
No of Spaces:	5	5-.190
Spaces:	.115, .235, .355, .475, .595	
Reed:	08-02-061	

Mfgr: Volvo**Series: R7001-7500; 7001R-7500R**

Blanks:	WS3, WS4	Depths
Cuts Start at:	.115	1-.292
Spacing:	.120	2-.260
Block #:	2	3-.230
Incr:	Var.	4-.210
No of Spaces:	6	5-.190
Spaces:	.115, .235, .355, .475, .595 .715	
Reed:	08-02-064.	

Mfgr: Volvo
 Series: W601-842

Models: Gas Caps

Blanks:	WS11	Depths
Cuts Start at:	.150	1-.291
Spacing:	.094	2-.268
Block #:	3	3-.244
Incr:	.0235	
No of Spaces:	5	
Spaces:	.150, .244, .338, .432, .526	
Reed:	06-01-293.	

Mfgr: Volvo
 Series: 2001-4949

Models: Loader Trucks

Blank:	X51	Depths
Cuts Start at:	.097	1-.224
Spacing:	.091	2-.244
Block #:	5	3-.264
Incr:	.020	4-.284
No of Spaces:	8	
Spaces:	.097, .188, .279, .370, .461, .552, .643, .734	
Reed:	06-01-085. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #4 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Volvo
 Series: 6250-6499

Blanks:	X30	Depths
Cuts Start at:	.098	1-.298
Spacing:	.087	2-.275
Block #:	4	3-.252
Incr:	.023	4-.229
No of Spaces:	6	
Spaces:	.098, .185, .272, .359, .446, .533	
Reed:	06-01-295. Bitting is double, same both sides.	
If deep cut is found in first position, cut a #1 cut and hand file to avoid losing shoulder or use FC8735 cutter.		

Mfgr: Volvo
 Series: 7001-9000
 Blanks: X29 Depths
 Cuts Start at: .098 1-.298
 Spacing: * 2-.275
 Block #: N/A 3-.252
 Incr: .023 4-.229
 No of Spaces: 10

Reed: 05-02-403. Bitting is double, same both sides.
 If deep cut is found in first position, cut a #1 cut and hand file to
 avoid losing shoulder or use FC8735 cutter.

*	1	2	3	4	5	6	7---8	9--10	
	.098	.185	.272	.359	.446	.533	.628	.778	.823

Mfgr: Volvo
 Series: 11001-13300; 61001-63300; 71001-73300

Blanks: SR61W, V61A	Depths
Cuts Start at: .160	1-.158
Spacing: .140	2-.185
Block #: 1	3-.212
Incr: .027	4-.239
No of Spaces: 6	
Spaces: .160, .300, .440, .580, .720, .860	
Reed: 05-02-414, 06-01-297.	

Mfgr: Volvo
 Series: 111111-555555

Blanks: VO6	Depths
Cuts Start at: .140	1-.160
Spacing: .105	2-.178
Block #: 3	3-.196
Incr: .018	4-.214
No of Spaces: 6.	5-.232
Spaces: .140, .245, .350, .455, .560, .665	
Reed: 05-02-425	

Mfgr: Walsco
 Series: 330 & 340 Pads
 Blanks: VK011 & VK013
 Cuts Start at: .157
 Spacing: .128
 Block #: 2
 Incr: .016
 No of Spaces: 5
 Spaces: .157, .285, .413, .541, .669

Depths
0-.268
1-.252
2-.236
3-.220
4-.204
5-.188
6-.172

Mfgr: Walsco	Depths
Series: 345 & 350 Pads	1-.306
Blanks: VK015	2-.290
Cuts Start at: .157	3-.275
Spacing: .157	4-.258
Block #: N/A	5-.243
Incr: Var.	6-.228
No of Spaces: 5	7-.212
Spaces: .157, .314, .471, .628, .785	

Mfgr: Walsco	Depths
Series: F360 Pads	0-.330
Blanks: VK015	1-.315
Cuts Start at: .188	2-.300
Spacing: .155	3-.285
Block #: 2	4-.270
Incr: .015	5-.255
No of Spaces: 5	6-.240
Spaces: .188, .343, .498, .653, .808	7-.225 8-.210 9-.195

Mfgr: Weiser	Depths
Series: New	0-.315
Blanks: 1054WB	1-.297
Cuts Start at: .237 top shoulder	2-.279
Spacing: .156	3-.261
Block #: 1	4-.243
Incr: .018	5-.225
No of Spaces: 5 or 6	6-.207
Spaces: .237, .393, .549, .705, .861, 1.017	7-.189
Cuts are .090 wide.	8-.171 9-.153

Mfgr: Welch	Depths
Series: All	0-.330
Blanks: 1123	1-.315
Cuts Start at: .164	2-.300
Spacing: .174	3-.285
Block #: N/A	4-.270
Incr: .015	5-.255
No of Spaces: 5	6-.240
Spaces: .164, .338, .512, .686, .860	7-.225 8-.210 9-.195

Mfgr: Weslock	Depths
Series: All	0-.330
Blanks: 1175, 1175N	1-.314
Cuts Start at: .218	2-.299
Spacing: .156	3-.283
Block #: 1	4-.268
Incr: .0156	5-.252
No of Spaces: 5	6-.236
Spaces: .218, .374, .530, .686, .842	7-.221 8-.205
Cuts are .080 wide.	9-.190
Cuts on Premiere Edition are .100 wide.	10-.175

Mfgr: White	
Series: H601-1100	
Models: Trucks	
Blanks: 1098M, 1098X	Depths
Cuts Start at: .150	1-.250
Spacing: .093	2-.235
Block #: 1	3-.220
Incr: .015	4-.205
No of Spaces: 5	5-.190
Spaces: .150, .243, .336, .429, .522	
Reed: 01-02-023	

Mfgr: White	
Series: K & L1-1000; N225-814	
Models: Trucks	
Blank: 1970AM, S1970AM	Depths
Cuts Start at: .150	1-.250
Spacing: .093	2-.225
Block #: 1	3-.200
Incr: .025	4-.175
No of Spaces: 5	5-.150
Spaces: .150, .243, .336, .429, .522	
Reed: 01-02-211, 291.	

Mfgr: White
 Series: LL001-200
 Models: Trucks
 Blank: 01122A
 Cuts Start at: .125
 Spacing: .095
 Block #: 1
 Incr: .020
 No of Spaces: 5
 Spaces: .125, .220, .315, .410, .505
 Reed: 02-07-003 & 095.

	Depths
Cuts Start at:	1-.250
Spacing:	2-.230
Block #:	3-.210
Incr:	4-.190
No of Spaces:	5-.170

Mfgr: W.B.
 Series: 621-6210; 622-6600
 Blanks: 1071
 Cuts Start at: .200
 Spacing: .160
 Block #: 2
 Incr: .015
 No of Spaces: 5
 Spaces: .200, .360, .520, .680, .840

	Depths
Cuts Start at:	1-.315
Spacing:	2-.300
Block #:	3-.285
Incr:	4-.270
No of Spaces:	5-.255
Spaces:	6-.240
	7-.225
	8-.210

Mfgr: W.B.
 Series: 659 Small Pads
 Blanks: 71D (Taylor)
 Cuts Start at: .125
 Spacing: .140
 Block #: 1
 Incr: .015
 No of Spaces: 5
 Spaces: .125, .265, .405, .545, .685
 Use narrow side of vise.

	Depths
Cuts Start at:	1-.205
Spacing:	2-.190
Block #:	3-.175
Incr:	4-.160
No of Spaces:	5-.145
Spaces:	6-.130
	7-.115

Mfgr: W.B.
 Series: Baby Pin 19
 Blanks:
 Cuts Start at: .115
 Spacing: .135
 Block #: 2
 Incr: Var.
 No of Spaces: 4
 Spaces: .115, .250, .385, .520

	Depths
Cuts Start at:	0-.239
Spacing:	1-.211
Block #:	2-.196
Incr:	3-.187
No of Spaces:	4-.155
Spaces:	5-.151
	6-.136
	7-.121

Mfgr: W.B.	Depths
Series: H90 Padlocks	1-.240
Blanks: 1071C	2-.225
Cuts Start at: .160	3-.210
Spacing: .135	4-.195
Block #: 2	5-.180
Incr: .015	6-.165
No of Spaces: 5	7-.150
Spaces: .160, .295, .430, .565, .700	

Mfgr: W.B.	Depths
Series: Short Space; 220, 620 & 660 Pads	0-.325
Blanks: 1071B	1-.310
Cuts Start at: .164	2-.295
Spacing: .135	3-.280
Block #: 2	4-.265
Incr: .015	5-.250
No of Spaces: 5 or 6	6-.235
Spaces: .164, .299, .434, .569, .704, .839	7-.220 8-.205

Mfgr: W.B.	Depths
Series: Long Space	0-.325
Blanks: 1071B	1-.310
Cuts Start at: .194	2-.295
Spacing: .155	3-.280
Block #: 2	4-.265
Incr: .015	5-.250
No of Spaces: 4, 5 or 6	6-.235
Spaces: .194, .349, .504, .659, .814, .969	7-.220 8-.205

Mfgr: Winfield	
Series: 0000-0777; 1000-1777	
Blanks: WF1 (Ilco)	Depths
Cuts Start at: .105	0-.299
Spacing: .093	1-.237
Block #: 1	
Incr: .062	
No of Spaces: 10	
Spaces: .105, .198, .291, .384, .477, .570, .663, .756, .849, .942	
Reed: 10-04-186. Bitting is double, opposite cuts on second side.	

Mfgr:	Winkhaus	Depths
Series:	System 7H	0-.332
Blanks:	See Code Books	1-.312
Cuts Start at:	.165	2-.292
Spacing:	.165	3-.272
Block #:	N/A	4-.252
Incr:	.020	5-.232
No of Spaces:	5 or 6	6-.212
Spaces:	.165, .330, .495, .660, .825, .990	7-.192 8-.172

Mfgr:	X-L	
Series:	XL1-1000	
Blanks:	XL7	Depths
Cuts Start at:	.185	1-.240
Spacing:	.125	3-.210
Block #:	1	5-.180
Incr:	.030	7-.165
No of Spaces:	5	
Spaces:	.185, .310, .435, .560, .685	

Mfgr:	X-L	
Series:	K001-1000	
Blanks:	1180S	Depths
Cuts Start at:	.185	1-.240
Spacing:	.125	2-.220
Block #:	1	3-.200
Incr:	.020	4-.175
No of Spaces:	5	
Spaces:	.185, .310, .435, .560, .685	

Mfgr:	Yale	Depths
Series:	AT1-1000	2-.235
Blanks:	997EB	3-.220
Cuts Start at:	.145	4-.205
Spacing:	.145	5-.190
Block #:	5	6-.175
Incr:	.015	7-.160
No of Spaces:	5	8-.145
Spaces:	.145, .290, .435, .580, .725	

Mfgr:	Yale	Depths
Series:	J1-1600; RP1001-3400	1-.250
Blanks:	997X, etc.	2-.232
Cuts Start at:	.146	3-.214
Spacing:	.140	4-.196
Block #:	1	5-.178
Incr:	.018	6-.160
No of Spaces:	5	7-.142
Spaces:	.146, .286, .426, .566, .706	

Mfgr:	Yale	Depths
Series:	GF501-750	
Blanks:	O1122AR	1-.250
Cuts Start at:	.140	2-.230
Spacing:	.094	3-.210
Block #:	3	4-.190
Incr:	.020	5-.170
No of Spaces:	5	
Spaces:	.140, .234, .328, .422, .516	

Mfgr:	Yale	Depths
Series:	L & P; LT1-100	
Blanks:	See Code Books	1-.250
Cuts Start at:	.125	2-.230
Spacing:	.095	3-.210
Block #:	1	4-.190
Incr:	.020	5-.170
No of Spaces:	5	
Spaces:	.125, .220, .315, .410, .505	

Mfgr:	Yale	Depths
Series:	Standard Large Pin	0-.320
Blanks:	999	1-.301
Cuts Start at:	.200	2-.282
Spacing:	.165	3-.263
Block #:	2	4-.244
Incr:	.019	5-.225
No of Spaces:	5 or 6	6-.206
Spaces:	.200, .365, .530, .695, .860, 1.025	7-.187
		8-.163
		9-.149

Mfgr: Yale	Depths
Series: Special Large Pin	0-.320
Blanks: 998, etc..	1-.295
Cuts Start at: .200	2-.270
Spacing: .165	3-.245
Block #: 2	4-.220
Incr: .025	5-.195
No of Spaces: 5 or 6	6-.170
Spaces: .200, .365, .530, .695, .860, 1.025	7-.145

Mfgr: Yale	Depths
Series: PX Small Pads	
Blanks: 1132	1-.205
Cuts Start at: .129	2-.185
Spacing: .094	3-.165
Block #: 3	4-.145
Incr: .020	5-.125
No of Spaces: 5	
Spaces: .129, .223, .317, .411, .505	

Use narrow side of vise. Some codes use 0-1-2-3-4 for depths.

Mfgr: Yale	Depths
Series: BY Wafer	
Blanks: H1122W	1-.250
Cuts Start at: .505*	2-.230
Spacing: .095	3-.210
Block #: 1	4-.190
Incr: .020	5-.170
No of Spaces: 5	
Spaces: .505, .600, .695, .790, .885	

Reed: 02-07-108. *This is a 9 wafer blank.
First 4 spaces are #1 or no cut.

Mfgr: Yale	Depths
Series: Auto Locks	
Blanks: See Code Books	
Cuts Start at: .146	1-.255
Spacing: .140	2-.230
Block #: 1	3-.205
Incr: .025	4-.180
No of Spaces: 5	5-.155
Spaces: .146, .286, .426, .566; .706	

Mfgr: Yale Pin Tumbler

Series: 1BP-1000BP; 2H000-1000, 3H000
-980; 4H101-500; 2001BC-3000BC;
1001BD-2000BD; 3001BE-4000BE

Blanks:	997DA, etc.	Depths
Cuts Start at:	.150	1-.250
Spacing:	.142	2-.230
Block #:	N/A	3-.210
Incr:	.020	4-.190
No of Spaces:	5	5-.170
Spaces:	.150, .292, .434, .576, .718	

Mfgr: Yale

Series: Baby Pin

Blanks:	1132R	Depths
Cuts Start at:	.150	0-.196
Spacing:	.140	1-.178
Block #:	1	2-.160
Incr:	.018	3-.142
No of Spaces:	4	4-.124
Spaces:	.150, .290, .430, .570	

Mfgr: Yale

Series: 0001AR-1200AR

Blanks: See Code Books

Cuts Start at:	.125	0-.250
Spacing:	.095	1-.225
Block #:	1	2-.200
Incr:	.025	3-.175
No of Spaces:	5	4-.150
Spaces:	.125, .220, .315, .410, .505	

Mfgr: Yale

Series: K101-229; F201-250; BM & YBM751-1000

Blanks:	01122, etc.	Depths
Cuts Start at:	.125	1-.250
Spacing:	.095	2-.230
Block #:	1	3-.210
Incr:	.020	4-.190
No of Spaces:	5	5-.170
Spaces:	.125, .220, .315, .410, .505	

Mfgr: Yamaha Cycle**Series: A, B, C, D, E & F32010-79897**

Blanks:	See Code books	Depths
Cuts Start at:	.157	1-.296
Spacing:	.0985	2-.276
Block #:	5	3-.256
Incr:	.020	4-.236
No of Spaces:	5	
Spaces:	.157, .255, .354, .425, .551	
Reed:	09-04-079. Bitting is double, same both sides.	
See code books for cutting procedure.		

Mfgr: Yamaha**Series: 221-234**

Blanks:	See Code Books	Depths
Cuts Start at:	.120	1-.237
Spacing:	.095	2-.199
Block #:	1	
Incr:	.038	
No of Spaces:	4	
Spaces:	.120, .215, .310, .405	
Reed:	05-04-025. Bitting is double, same both sides.	

Mfgr: Yamaha**Series: 1711-1725; 2611-2625**

Blanks:	X18 & X39	Depths
Cuts Start at:	.170	1-.237
Spacing:	.100	2-.199
Block #:	3	
Incr:	.038	
No of Spaces:	4	
Spaces:	.170, .270, .370, .470	
Reed:	05-04-026.	

Mfgr: Yamaha**Series: 1726-1775; 2626-2675**

Blanks:	See Code books	Depths
Cuts Start at:	.110	1-.237
Spacing:	.100	3-.199
Block #:	3	
Incr:	.038	
No of Spaces:	5	
Spaces:	.110, .210, .310, .410	
Reed:	05-04-027. Bitting is double, same both sides.	

Mfgr: Yamaha**Series: 1776-1800; 2676-2700****Blanks:** See Code Books**Depths**

Cuts Start at: .150

1-.237

Spacing: .100

3-.199

Block #: 3

Incr: .038

No of Spaces: 4

Spaces: .150, .250, .350, .450

Reed: 05-04-029. Bitting is double, same both sides.

Mfgr: Yamaha**Series: 2750-2757; 2840-2847****Blanks:** Y80T, Y80TR**Depths**

Cuts Start at: .310

1-.231

Spacing: .100

2-.211

Block #: 3

3-.191

Incr: .020

4-.171

No of Spaces: 6

Spaces: .310, .410, .510, .610, .710, .810

Bitting is double, same both sides.

Mfgr: Yamaha**Series: 3101-3150; 3201-3250; 3701-3750; 3801-3850****Blanks:** See Code Books**Depths**

Cuts Start at: .150

1-.292

Spacing: .100

2-.262

Block #: 3

3-.232

Incr: .030

No of Spaces: 5

Spaces: .150, .250, .350, .450, .550

Reed: 05-04-031. Bitting is double, same both sides.

Mfgr: Yamaha**Series: 3151-3200; 3251-3700; 3751-3800; 3851-4900****Blanks:** See Code Books**Depths**

Cuts Start at: .150

1-.295

Spacing: .100

2-.265

Block #: 3

3-.235

Incr: .030

No of Spaces: 5

Spaces: .150, .250, .350, .450, .550

Reed: 05-04-032. Bitting is double, same both sides.

Mfgr: Yugo
 Series: G3001-4530
 Blank: X167 Depths
 Cuts Start at: .220 1-.299
 Spacing: .110 2-.272
 Block #: 3 3-.244
 Incr: .0273 4-.217
 No of Spaces: 6
 Spaces: .220, .331, .441, .551, .661, .772
 Reed: 09-02-362. Bitting is double, same both sides.

Mfgr: Yugo
 Series: K7001-8092; S0501-3278
 Blank : X152 Depths
 Cuts Start at: .146 0-.291
 Spacing: .104 9-.272
 Block #: 4 8-.252
 Incr: .0196 4-.232
 No of Spaces: 6 6-.213
 Spaces: .146, .250, .354, .458, .562, .666
 Reed: 08-02-001 & 044. Bitting is double, same both sides.

Mfgr: Yugo
 Series: Z501-1000
 Blanks: X153 Depths
 Cuts Start at: .220 1-.291
 Spacing: .110 2-.262
 Block #: 3 3-.232
 Incr: .0295
 No of Spaces: 6
 Spaces: .220, .331, .441, .551, .661, .772
 Reed: 09-02-369. Bitting is double, same both sides.

Mfgr: Yugo
 Series: 1501-1900; 1901-2000; 3501-3900; 3901-4000
 Blanks: FT37, FT38 Depths
 Cuts Start at: .217 1-.272
 Spacing: .110 2-.240
 Block #: 3 3-.209
 Incr: .0315
 No of Spaces: 6
 Spaces: .217, .327, .437, .547, .657, .768
 Reed: 04-04-042, 05-02-151.

Mfgr: Zeiss-Ikon Old System	Depths
Series: Pin	0-.325
Blanks: See Code Books	1-.310
Cuts Start at: .200	2-.295
Spacing: .158	3-.280
Block #: N/A	4-.265
Incr: .015	5-.250
No of Spaces: 5	6-.235
Spaces: .200, .358, .516, .674, .832	7-.220 8-.205 9-.190

Mfgr: Zeiss-Ikon System A	Depths
Series: Masterkey only	0-.321
Blanks: SK5, SK7	1-.305
Cuts Start at: .173	2-.288
Spacing: .146	3-.271
Block #: 4	4-.254
Incr: .0168	5-.237
No of Spaces: 5	6-.220
Spaces: .173, .319, .465, .611, .757	7-.203
MACS = 5. Use 110° cutter angle.	8-.186 9-.169

Mfgr: Zeiss-Ikon System B	Depths
Series: KD & KA only	0-.313
Blanks: SK5, SK7	1-.296
Cuts Start at: .173	2-.279
Spacing: .146	3-.262
Block #: 4	4-.245
Incr: .017	5-.228
No of Spaces: 5	6-.211
Spaces: .173, .319, .465, .611, .757	7-.194
MACS = 5. Use 110° cutter angle.	8-.177 9-.160

Mfgr: Zeiss-Ikon	Depths	
Series: System 120	1-.321	11-.237
Blanks: SK54 & SK7	2-.313	12-.228
Cuts Start at: .146	3-.305	13-.220
Spacing: .146	4-.296	14-.211
Block #: 4	5-.288	15-.203
Incr: .0085	6-.279	16-.194
No of Spaces: 5	7-.271	17-.186
Spaces: .146, .292, .438, .584, .730	8-.262	18-.177
MACS = 10.	9-.254	19-.169
Use 110° angle cutter.	10-.245	20-.160

The Tibbe fixture for the Framon Code Machine is designed to cut both 6 wafer keys and 8 wafer keys. The only difference in the blanks is the length of the cutting surface.

To install the fixture on your machine, remove the standard vise and replace it with the Tibbe fixture. The calibrated ring goes to the operators' right. Tibbe keys are inserted from the left side of the vise (see drawing #1).

The cutter on the machine must be replaced with the .088 slotter furnished with the fixture. This is a solid carbide cutter and can also be used to cut locker and safety deposit box keys on the machine. Remove whatever cutter is on the spindle. Install the wide spacer, the .088 slotter, washer and nut in this order onto spindle.

Insert the blank from the left side of the vise. The tip of the blank must be in the slot of the indicator ring. Be sure the blank is in all the way and tighten the vise clamp nut. The number one cut position must be aligned with the white mark on the fixture (#1 cut is the one with the dot next to it - see drawing #1).

Turn the spacing crank counterclockwise to move the vise all the way over to the left to stop, then back to "0" start - this is the same spacing position you would use to cut any key. Turn the spacing crank clockwise until the blank is in approximate position shown in Figure 1. NOTE: Count all your turns. This procedure will give each machine a starting cut for all Tibbe keys. The right hand side of the cutter is close to alignment with the left side of the indicator hub (the hub is the part that the tip of the key fits into). Go slightly beyond the cutter and pull the feed handle to bring the cutter to the position shown in Figure 1A. Rotate the crank counter-clockwise until the hub just touches the right hand side of the cutter. Rotate the spacing crank clockwise .060 and make a note of this measurement. This will be your starting cut for all Tibbe keys. Use the spacing block with .080 spacing (#3) and align the spacing block to the pointer.

Set the depth setting at .240, pull the feed handle up to the stop and hold it there. Rotate the pulley in reverse of the cutting rotation. If the cutter touches the blank, back off slightly until the cutter is as close to the blank as possible without touching it. NOTE: The #1 cut is a no cut. If any material is removed from a #1 cut, the key will not operate properly and all other angle cuts will be wrong. Once you have the depth correct, read the depth setting for your machine and make a note of it. This will be your depth setting for all Tibbe keys - both 6 & 8 wafer.

Once the depth and space settings have been made, you are ready to cut keys. If you have a combination of 321234 from tip to bow, release the clamp nut and rotate the blank to the #3 mark on the indicator (see drawing #2) and pull the feed handle to make the cut. Release the clamp and rotate the blank to align mark #3 on the other side of dot and make the second cut. Loosen the clamp nut and rotate the blank 180° and make 2 cuts in the same manner on the opposite side of the blank. When all 4 cuts are made, turn the spacing crank clockwise to the next mark on the spacing block and make a #2 cut on all four sides in the same manner. Follow this procedure until all cuts are made.

NOTE: The 6 wafer blank is used on Ford.

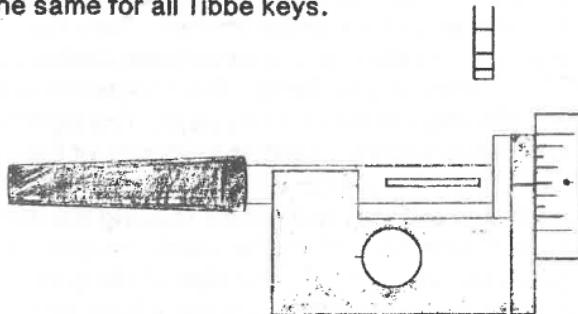
The 8 wafer blank is used on Jaguar.

6 wafer keys have 4 angles and 6 cuts.

8 wafer keys have 3 angles and 8 cuts.

A NOTE ON SPACING:

The center of the first cut is .228 from the tip of the blank. If the key is not cutting properly, change the starting cut to suit your machine. Drawing #4 shows points to measure from. Once the starting cut and depth measurements are obtained for your machine, they will remain the same for all Tibbe keys.



Drawing #1

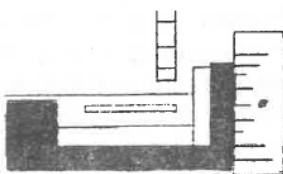


Figure 1A

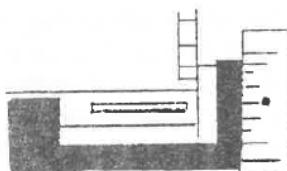
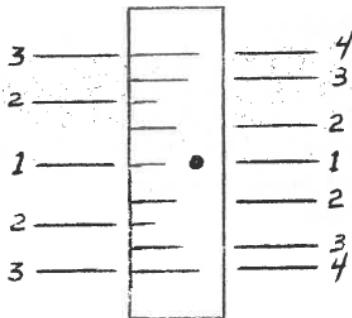


Figure 1B

283

8 Wafer



6 Wafer

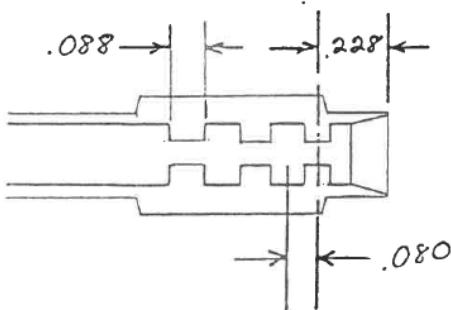
Drawing #2



8 Wafer Angles

6 Wafer Angles

Drawing #3



Drawing #4

Spacing Measurements for both
6 wafer and 8 wafer.

Mfgr: Tibbe 6 Wafer

Series: 1-1050

Models: Scorpio

Blanks: S30FDP

Set Start at: .060 Tip end

Set Depth at: .240 (see instructions)

Spacing: .080

Block #: 3

Incr:

No of Spaces: 6

No of Angles: 4

Bitting is 4 cuts at each space (24 cuts total).

Use .088 carbide slotter furnished with tibbe kit.

Read instructions before cutting these keys.

Mfgr: Tibbe 8 Wafer

Models: Jaguar

Blanks: S32FJ-P, S33FJ-P

Set Start at: .060 Tip end

Set Depth at: .240 (see instructions)

Spacing: .080

Block #: 3

Incr:

No of Spaces: 8

No of Angles: 3

Bitting is 4 cuts at each space (32 cuts total).

Use .088 carbide slotter furnished with tibbe kit.

Read instructions before cutting these keys.

Mfgr: Auth

Series: E, Letterbox

Blanks: S1125N

Cuts are .032 wide.

Drop: .035

1-.260

Throat cut: Width = .075, Depth = .200

2-.235

Bolt Throw: None

3-.200

Master Lever bypass: None

4-.165

Throat cut: .375 to .450

5-.130

Center of first cut is .016 from tip of key.

Use narrow side of vise.

Mfgr: Auth

Series: S, Letterbox

Blanks: 1427

Cuts are .055 wide.

Drop: .030

1-.292

Throat cut: None

2-.260

Bolt Throw: None

3-.230

Master Lever bypass: None

4-.200

Throat cut: None

5-.170

Center of first cut is .028 from tip of key.

Mfgr: Auth

Series: IM, Letterbox

Blanks: 01226N

Cuts are .045 wide.

Drop: Uneven

1-.262

Throat cut: Width = .080, Depth = .200

2-.237

Bolt Throw: None

3-.200

Master Lever bypass: None

4-.170

Throat cut: .360 to .440

5-.130

Center of first cut is .023 from tip of key.

Use narrow side of vise.

Mfgr: Couch

Series: Letterbox - Old

Blanks: 1225PL

Cuts are .047 wide.

Drop: .025

1-.250

Throat cut: Width = .050, Depth = .200

2-.225

Bolt Throw: None

3-.200

Master Lever bypass: None

4-.175

Throat cut:

Center of first cut is .024 from tip of key.

Mfgr: Couch**Series: Letterbox - Small**

Blanks:	1225BL	Cuts are .055 wide.
Drop:	.025	1-.225
Throat cut:	Width = .065, Depth = .150	2-.200
Bolt Throw:	Width = .050, Depth = .225	3-.175
Master Lever bypass:	None	4-.150
Throat cut:	.452 to .516	
Center of first cut is .087 from tip of key.		

Mfgr: Couch**Series: Letterbox - Large**

Blanks:	1225PL	Cuts are .047 wide.
Drop:	.030	1-.260
Throat cut:	Width = .075, Depth = .200	2-.230
Bolt Throw:	None	3-.200
Master Lever bypass:	None	4-.170
Throat cut:	.400 to .475	
Center of first cut is .475 from tip of key.		

Mfgr: Eagle**Series: OA45S Letterbox**

Blanks:	T22 (Taylor)	Cuts are .050 wide.
Drop:	.030	1-.225
Throat cut:	Width = .065, Depth = .180	2-.195
Bolt Throw:	None	3-.165
Master Lever bypass:	None	4-.135
Throat cut:	.390 to .455	5-.105
Center of first cut is .025 from tip of key.		
Use narrow side of vise. Key vise will only accept .115 as deepest cut. No 5 depth will have to be filed an additional .010. If .105 depth is set, cutter will cut face of vise.		

Mfgr: Eagle**Series: 1 - 1000 Letterbox**

Blanks:	See Code Books	Cuts are .047 wide.
Drop:	.030	1-.225
Throat cut:	Width = .065, Depth = .195	2-.195
Bolt Throw:	None	3-.165
Master Lever bypass:	None	4-.135
Throat cut:	.450 to .515	5-.105
Center of first cut is .022 from tip of key.		
Use narrow side of vise. Key vise will only accept .115 as deepest cut. No 5 depth will have to be filed an additional .010. If .105 depth is set, cutter will cut face of vise.		

Mfgr:	Florence	
Series:	1 - 750 Letterbox	
Blanks:	1225	Cuts are .055 wide.
Drop:	.030	1-.230
Throat cut:	Width = .075, Depth = .170	2-.200
Bolt Throw:	None	3-.170
Master Lever bypass:	None	4-.140
Throat cut:	.424 to .500	5-.110
Center of first cut is .028 from tip of key.		
Use narrow side of vise. #5 cut will have to be filed.		

Mfgr:	Keil	
Series:	R & H	
Blanks:	1270C	Cuts are .050 wide.
Drop:	Uneven	1-.283
Throat cut:	Width = .125, Depth = .190	2-.249
Bolt Throw:	Width = .075, Depth = .325	3-.217
Master Lever bypass:	None	4-.191
Throat cut:	.375 to .500	5-.160
Center of first cut is .103 from tip of key.		

Mfgr:	L & F Locker Locks	
Series:	ZA & ZL001-900	
Blanks:	1332	
Drop:	.042	1-.166
Throat cut:	Width = .135, Depth = .193	2-.208
Bolt Throw:	Width = .066, Depth = .304	3-.250
Master Lever bypass		4-.292
Throat cut:	.675 to .810	
Center of first cut is .094 from tip of key.		
Throat cut above covers both ZA and ZL series. For numbers over 1000, deduct 900 for proper code number.		

Mfgr:	Lyon	
Series:	7L	
Blanks:	1303	Cuts are .055 wide.
Drop:	.025	1-.300
Throat cut:	Width = .075, Depth = .225	2-.275
Bolt Throw:	Width = .065, Depth = .300	3-.250
Master Lever bypass:	Width = .065, Depth = .175	4-.225
Throat cut:	.725 to .800	5-.200
Center of first cut is .157 from tip of key.		

Mfgr: National**Series: N9M****Blanks: 1332**

Drop:	.025	Cuts are .050 wide.
Throat cut:	Width = .075, Depth = .225	1-.300
Bolt Throw:	Width = .070, Depth = .300	2-.275
Master Lever bypass:	Width = .060, Depth = .175	3-.250
Throat cut:	.720 to .795	4-.225
		5-.200
		Center of first cut is .098 from tip of key.
		6-.175

Mfgr: National**Series: 0L, 2L, 3L, 4L, 5L, 6L, 7L, 8L****0001K - 3000K Lockers****Blanks: 1332**

Drop:	.025	Cuts are .055 wide.
Throat cut:	Width = .075, Depth = .225	1-.300
Bolt Throw:	Width = .065, Depth = .300	2-.275
Master Lever bypass:	Width = .065, Depth = .175	3-.250
Throat cut:	.646 to .720	4-.225
		5-.200
		Center of first cut is .157 from tip of key.
		6-.175

Mfgr: Yale**Series: IED; IEH Mastered****Blanks: 1332**

Drop:	.025	Cuts are .050 wide.
Throat cut:	Width = .120, Depth = .225	0-.300
Bolt Throw:	Width = .065, Depth = .300	1-.275
Master Lever bypass:	Width = .065, Depth = .175	2-.250
Throat cut:	.690 to .810	3-.225
		4-.200
		Center of first cut is .093 from tip of key.
		5-.175

Mfgr: Yale**Series: 9M; N9M****Blanks: 1332**

Drop:	.025	Cuts are .050 wide.
Throat cut:	Width = .100, Depth = .225	0-.300
Bolt Throw:	Width = .065, Depth = .300	1-.275
Master Lever bypass:	Width = .055, Depth = .225	2-.250
Throat cut:	.710 to .180	3-.225
		4-.200
		Center of first cut is .145 from tip of key.
		5-.175

Mfgr: Yale

Series: 15WA; 15WB; DSL

Blanks: 1332

Cuts are .050 wide.

Drop: .025

0-.300

Throat cut: Width = .080, Depth = .225

1-.275

Bolt Throw: Width = .065, Depth = .300

2-.250

Master Lever bypass None

3-.225

Throat cut: .665 to .745

4-.200

Center of first cut is .093 from tip of key.

5-.175

Mfgr: Yale

Series: IEH

Blanks: 1332

Cuts are .050 wide.

Drop: .025

0-.300

Throat cut: Width = .100, Depth = .225

1-.275

Bolt Throw: Width = .065, Depth = .195

2-.250

Master Lever bypass None

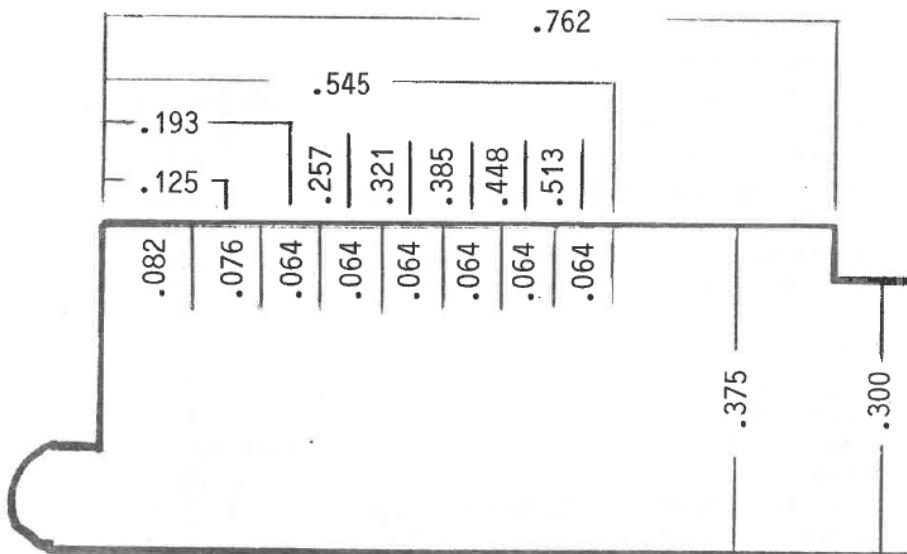
3-.225

Throat cut: .710 to .810

4-.200

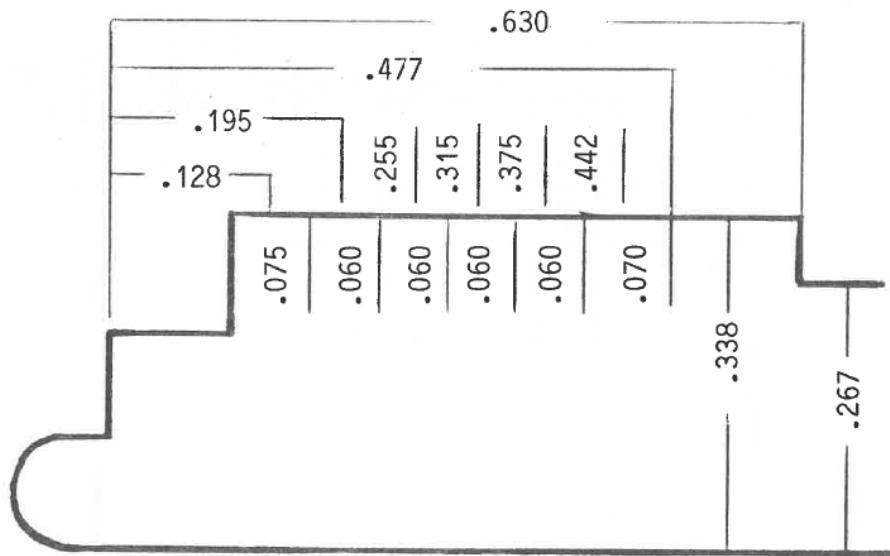
Center of first cut is .093 from tip of key.

5-.175



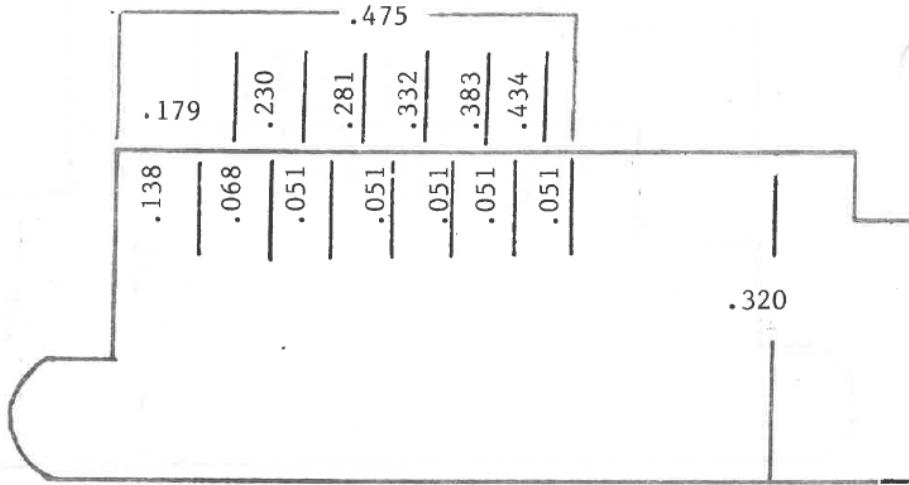
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Diebold	0-.362
Lock No: 175-05; 175-75	1-.331
Use .066 slotter.	2-.300
Blank: 1028	3-.269
Thickness: .055	4-.238
Drop: .031	5-.207
	6-.176



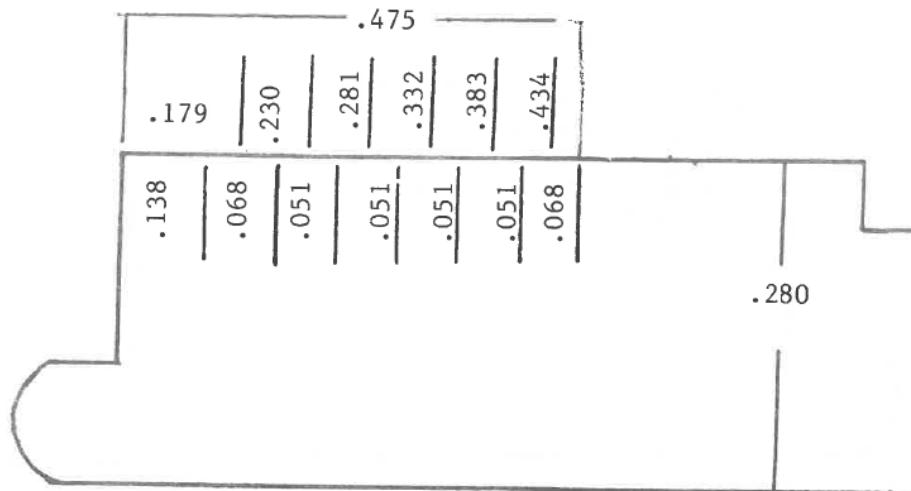
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: H.H.M.	0-.335
Lock No: 12-12C; 14-14C	1-.300
Use .066 slotter.	2-.225
Blank: 1028N	3-.220
Thickness: .060	4-.180
Drop: Var.	5-.140



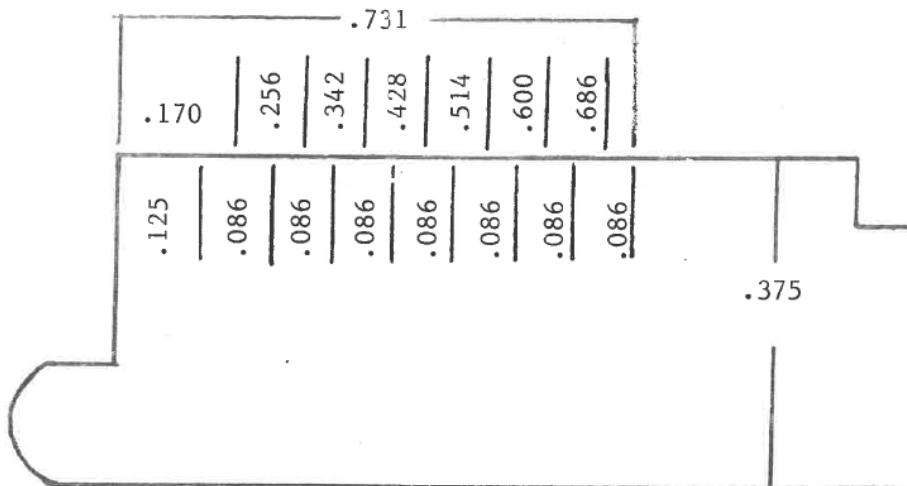
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Ilco	0-.320
Lock No: P40, P40Y, P42, P43; Renter Key	1-.300
Use .055 slotter.	2-.280
Blank: 1063E	3-.260
Thickness: .070	4-.240
Drop: .020	5-.220
	6-.200
	7-.180



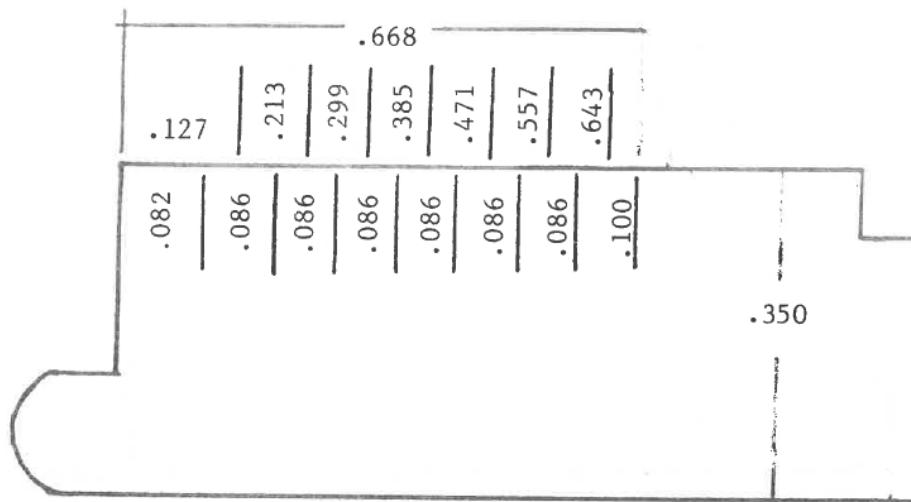
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Ilco	0-.280
Lock No: P40, P40Y, P42, P43; Guard Key	1-.260
Use .055 slotter.	2-.240
Blank: SG4	3-.220
Thickness: .080	4-.200
Drop: .020	5-.180
	6-.160
	7-.140



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

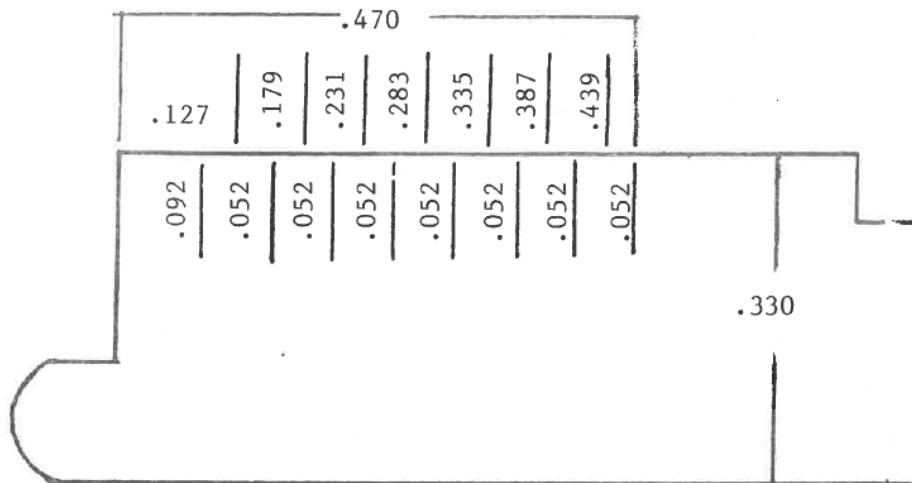
Mfgr: Ilco	0-.375
Series: P57; Renter Key	1-.335
Use .088 slotter.	2-.290
Blank: 1335S	3-.245
Thickness: .060	4-.200
Drop: .045	5-.155



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

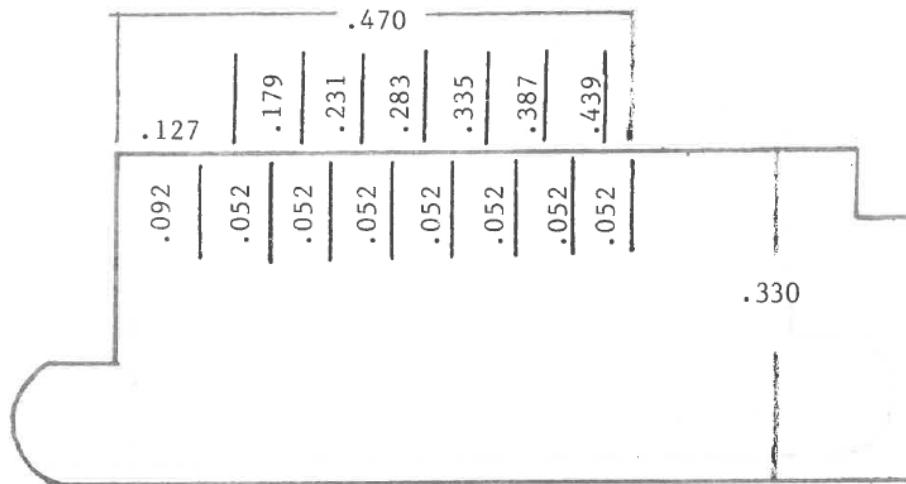
Mfgr:	Ilico	0-.350
Series:	P57; Guard Key	1-.319
Use	.088 slotter.	2-.288
Blank:	1526	3-.257
Thickness:	.050	4-.150*
Drop:	.031	5-.226

*This is a clearance cut that works off of the plug. It is located at the second cut from tip only.



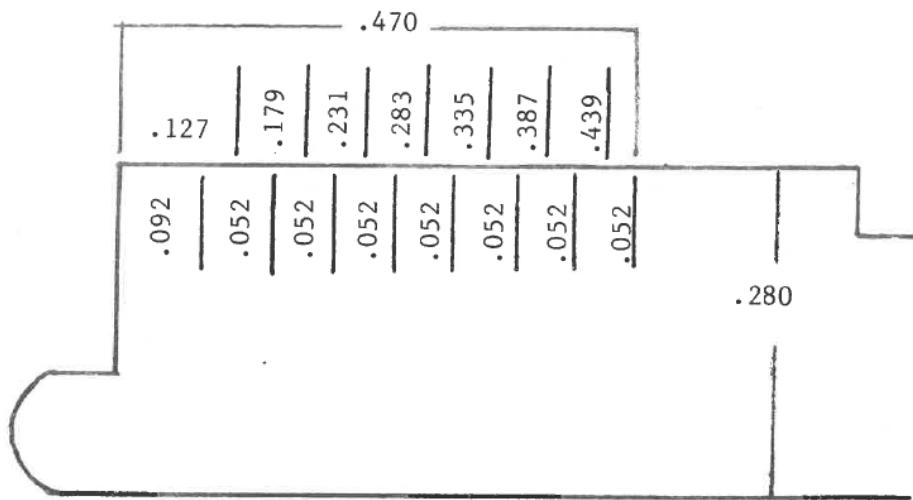
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Ilco	0-.330
Series: 5400; Renter Key	1-.310
Fixed fence locks only	2-.290
Use .055 slotter.	3-.270
Blank: 1333	4-.250
Thickness: .070	5-.230
Drop: .020	6-.210
	7-.190



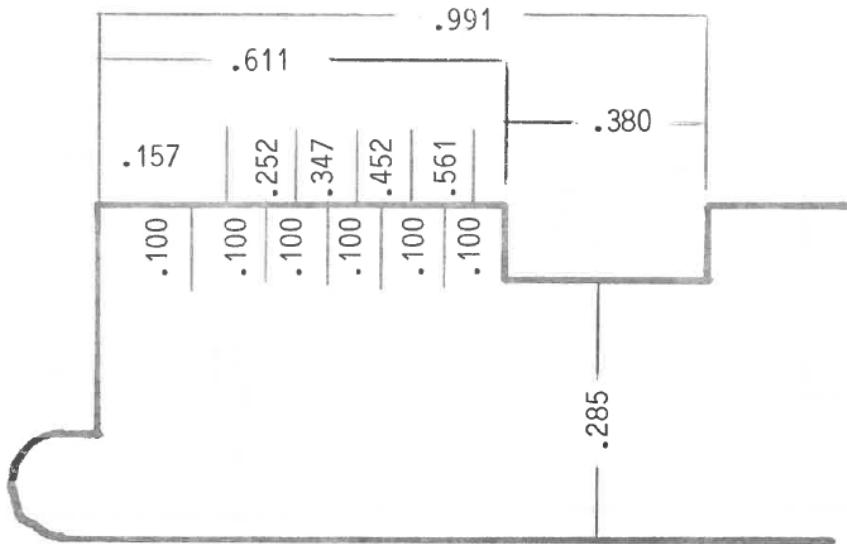
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	IICO	0-.330
Series:	5400; Renter Key	1-.295
	Changeable fence locks only	2-.260
Use .055 slotter.		3-.225
Blank:	1333	4-.190
Thickness:	.070	
Drop:	.035	



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Ilco	0-.280
Series: 5400; Guard Key	1-.260
Use .055 slotter.	2-.240
Blank: 1388	3-.220
Thickness: .070	4-.200
Drop: .020	5-.180
	6-.160



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: LeFebure

Series: AL & PL

Key changeable utility locks

Use .100 (.045 & .055) slotter.

1-.335

Blank: 89-6040-0

2-.285

Thickness: .080

3-.235

Drop: .050

4-.185

300

1.123

.703

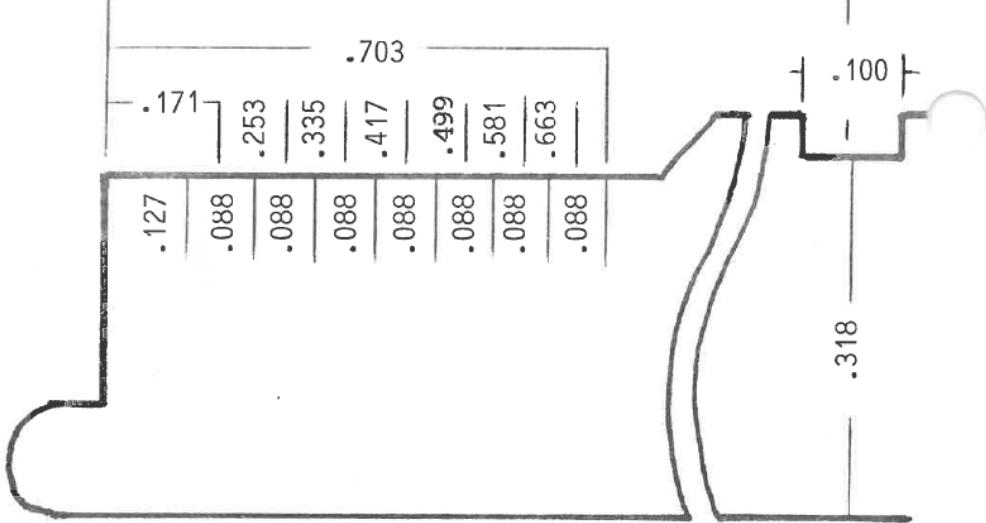
.171

.127

.088
.088.253
.088.335
.088.417
.088.499
.088.581
.088.663
.088

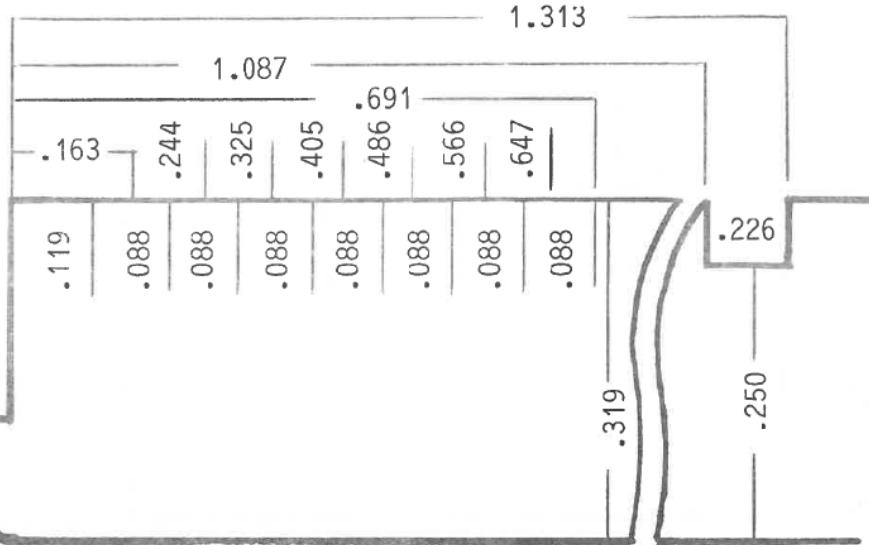
.100

.318



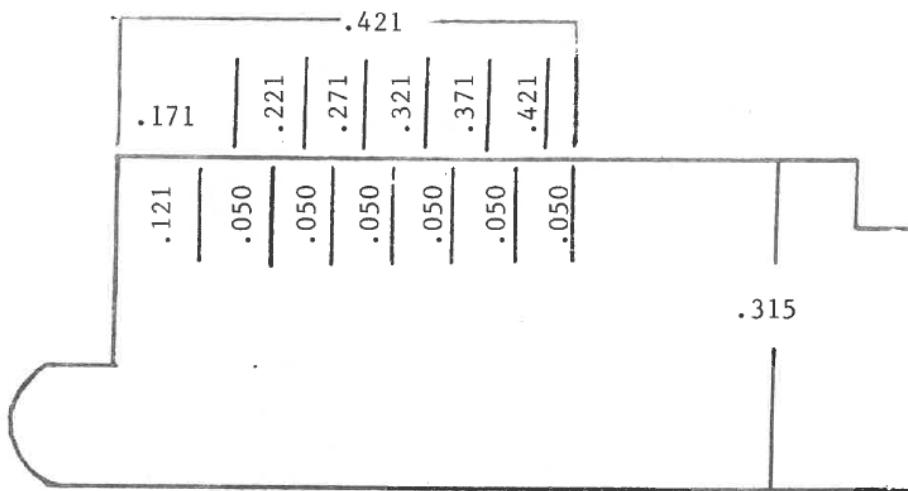
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: LeFebure	1-.318
Lock No: 7300	2-.288
Use .088 slotter.	3-.258
Blank: 1063B	4-.228
Thickness: .070	5-.198
Drop: .030	6-.168
	7-.138



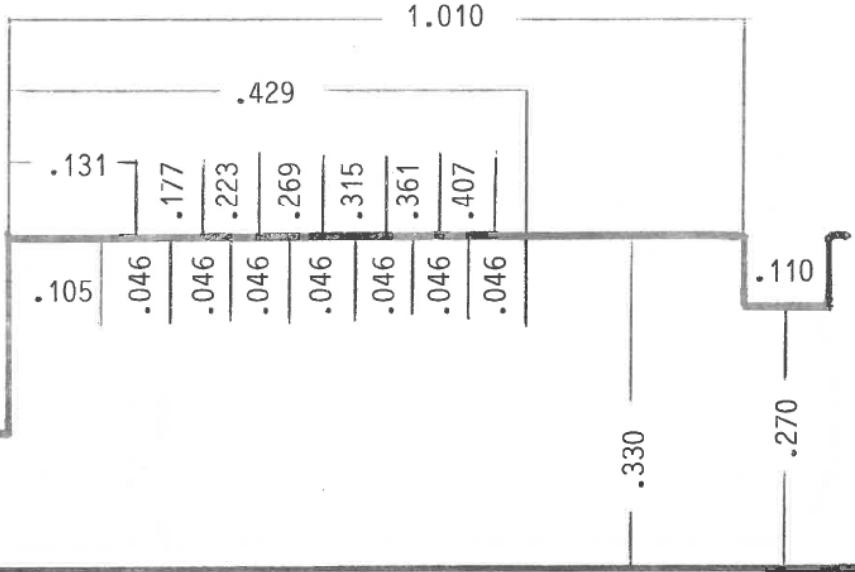
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	LeFebure	1-.318
Series:	7700 & 7302	2-.288
Use .088 slotter.		3-.258
Blank:	1063B, 1063E	4-.228
Thickness:	.070	5-.198
Drop:	.030	6-.168
		7-.138



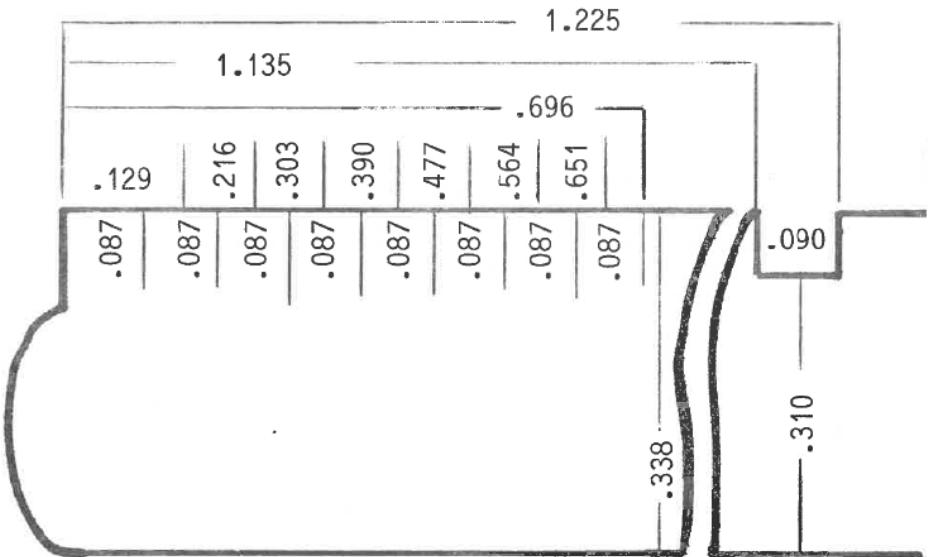
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Miles Osborn	1-.306
Lock No: X4	2-.288
Use .055 slotter.	3-.270
Blank: MN1, MN3	4-.252
Thickness: .085, .050	5-.234
Drop: .018	6-.216
	7-.198
	8-.180
	9-.162



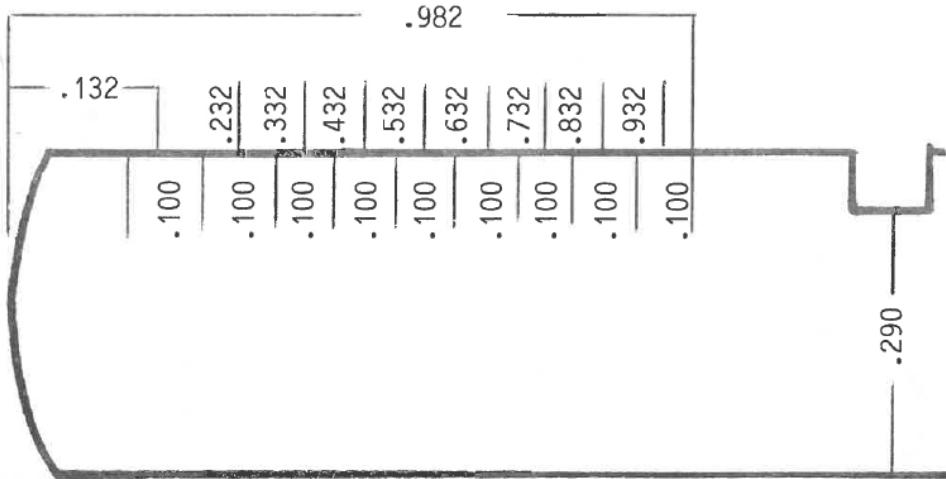
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Mosler	0-.330
Lock No: 3300	1-.300
Use .055 slotter.	2-.265
Blank: 1091	3-.230
Thickness: .055	4-.200
Drop: Var.	5-.160



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Mosler	0-.375
Lock Nos: 5700 & 3175	1-.335
Use .088 slotter.	2-.290
Blanks: 1115, 1335S	3-.245
Thickness: .072	4-.200
Drop: .045	5-.155



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Mosler

Lock No: PK-5900

Use .100 (.045 & .055) slotter.

1-.353

Blanks: 1115, 4015

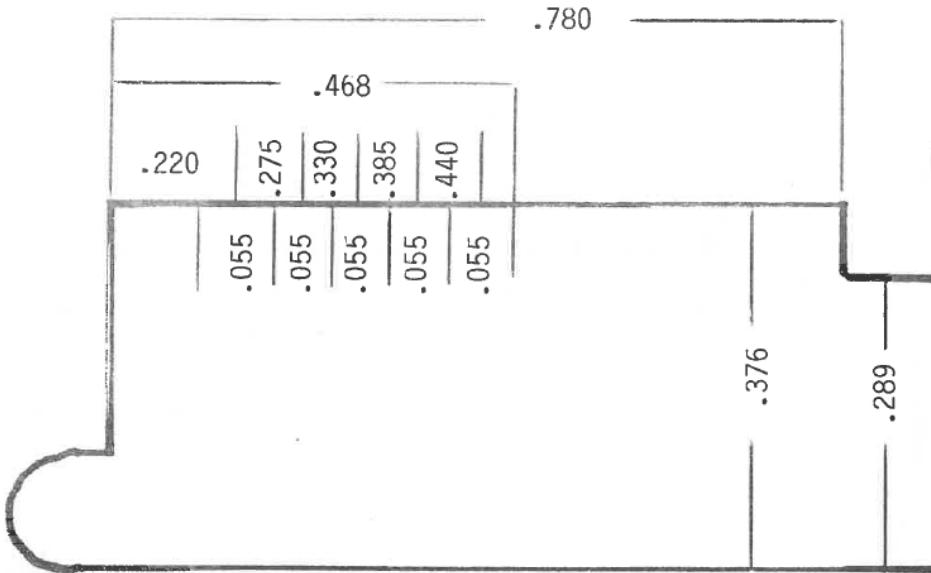
2-.307

Thickness: .058

3-.267

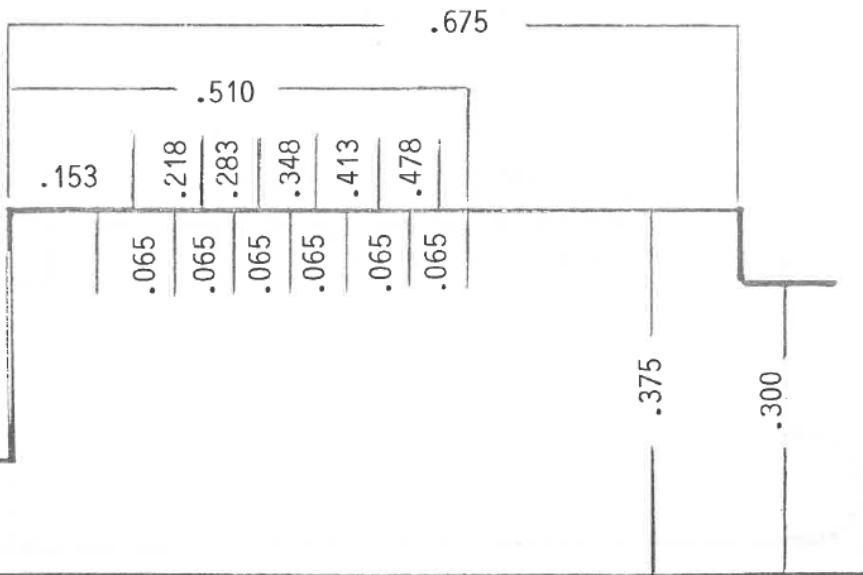
Drop: Var.

4-.220



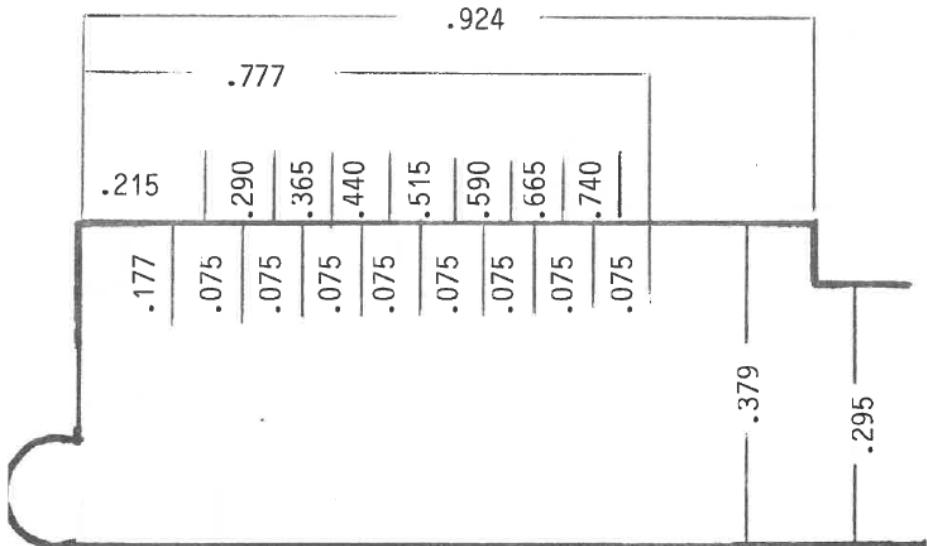
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: S & G	1-.375
Lock No: 158 & 159	2-.355
Use .055 slotter.	3-.335
Blank: 1028L	4-.315
Thickness: .046	5-.295
Drop: .020	6-.275
	7-.255
	8-.235



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: S & G	0-.375
Lock No: 259 1/2	1-.365
Use .066 slotter.	2-.355
Blank: 53 (S & G)	3-.345
Thickness: .050	4-.335
Drop: .010	5-.325
	6-.315

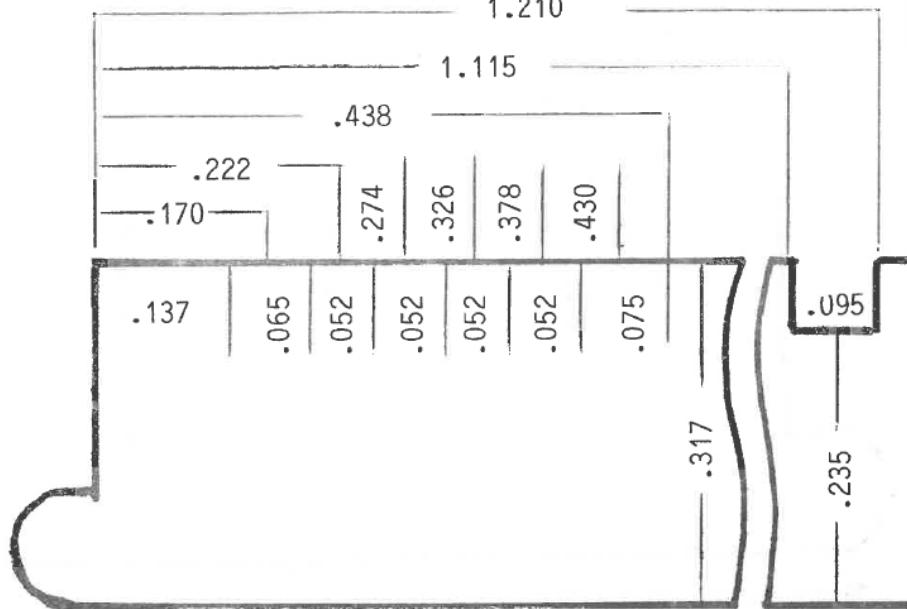


Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	S & G	0-.377
Lock No:	4140, 4160 & 4163 Single Nose	1-.337
Use	.075 (.030 & .045) slotter.	2-.297
Blank:	1063D	3-.257
Thickness:	.070	4-.217
Drop:	.040	5-.177
		6-.137

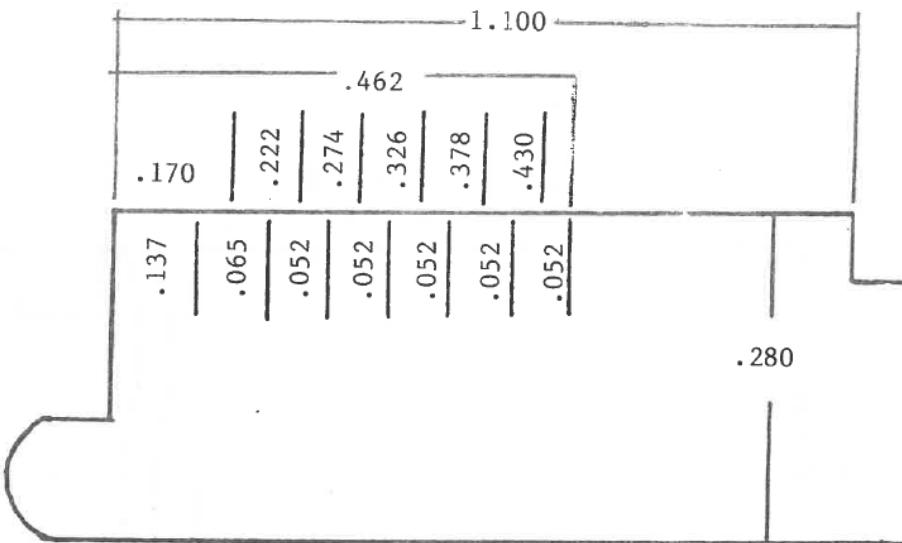
309

1.210



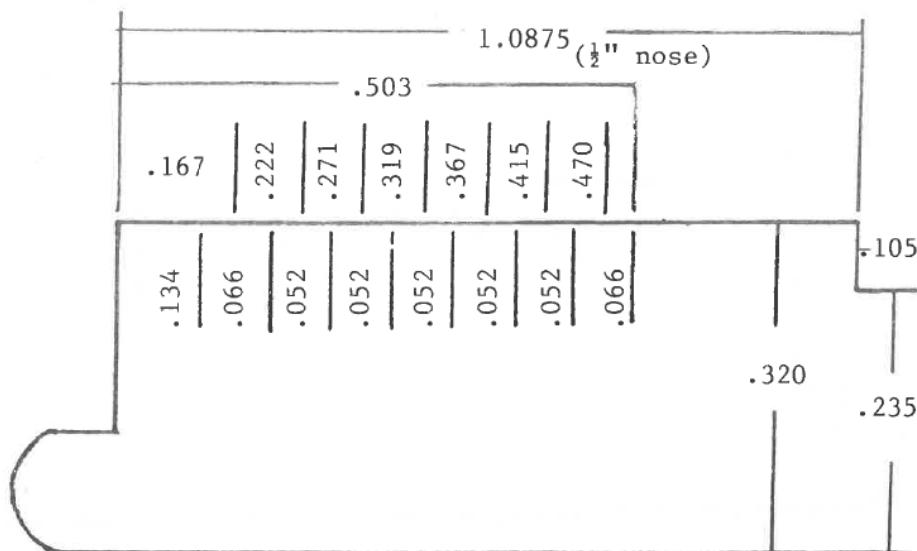
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	S & G	0-.317
Locks:	4440, 4442, 4443, 4231; Renter Key	1-.300
Use .055 slotter.		2-.280
Blanks:	1068E, 1063E, 1063B, etc.	3-.260
Thickness:	Var.	4-.240
Drop:	.020	5-.220
		6-.200
		7-.180



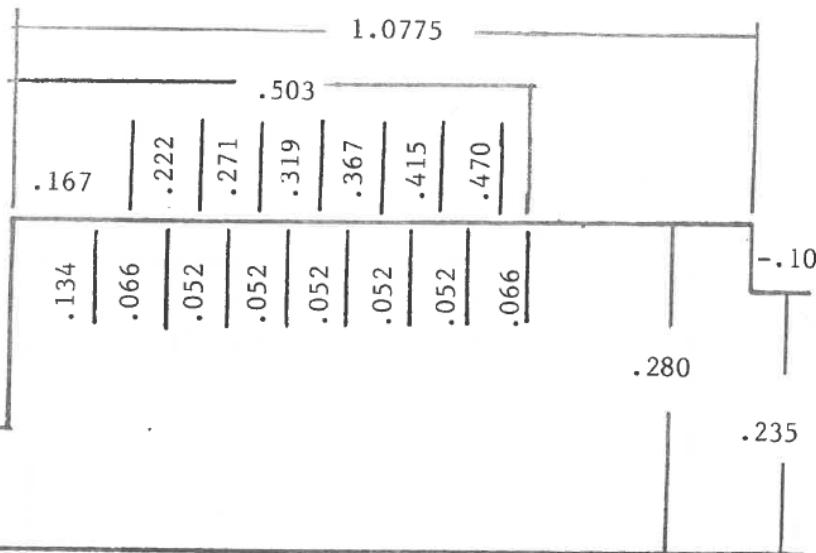
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	S & G	0-.276
Locks:	4440, 4442, 4443; Guard Key	1-.256
Use .055 slotter.		2-.236
Blank:	SG4	3-.216
Thickness:	.080	4-.196
Drop:	.020	5-.176
		6-.156



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: S & G	0-.314
Locks: 4110, 4111, 4112, 4113, 4545; Renter Key	1-.298
Use .055 slotter.	2-.278
Blank: 1063E	3-.258
Thickness: .070	4-.238
Drop: .020	5-.218
	6-.198
	7-.178



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

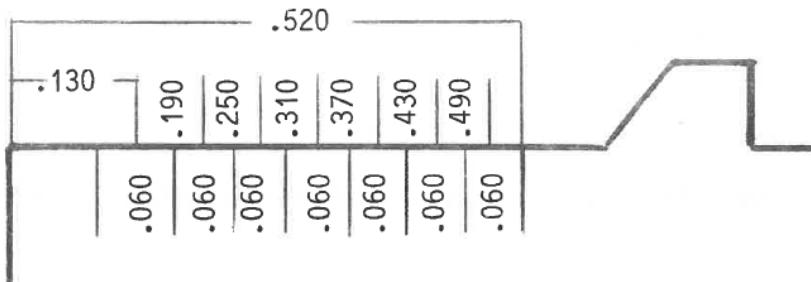
Mfgr:	S & G	0-.275
Lock:	4545; Guard Key	1-.255
Use	.055 slotter.	2-.235
Blank:	SG4	3-.215
Thickness:	.080	4-.195
Drop:	.020	5-.175
		6-.155
		7-.135

Mfgr:	Security	Depths
Series:	Deposit Box	1-.280
Blanks:	SY3, SY7, etc.	2-.262
Cuts Start at:	.160	3-.235
Spacing:	.120	4-.210
Block #:	2	5-.185
Incr:	Var.	6-.160 7-.130

Use FC8445 cutter. Use narrow side of vise if #7 cut is used.

Mfgr:	Security	Depths
Series:	C; Deposit Box	1-.248
Blank:	SY7	2-.224
Cuts Start at:	.150	3-.200
Spacing:	.118	4-.176
Block #:	5	5-.152
Incr:	.024	6-.128

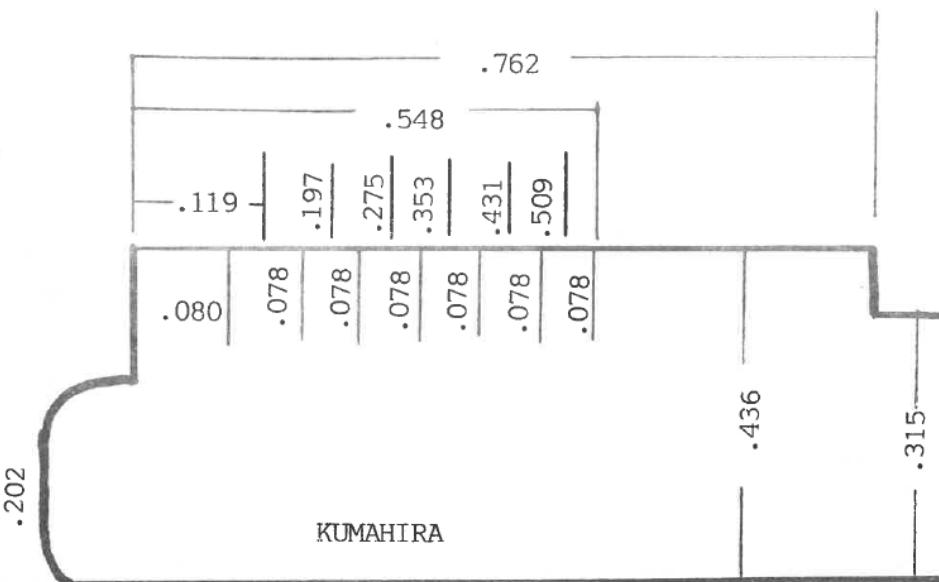
Use FC8445 cutter. Use narrow side of vise if #6 cut is used.



KUMAHIRA

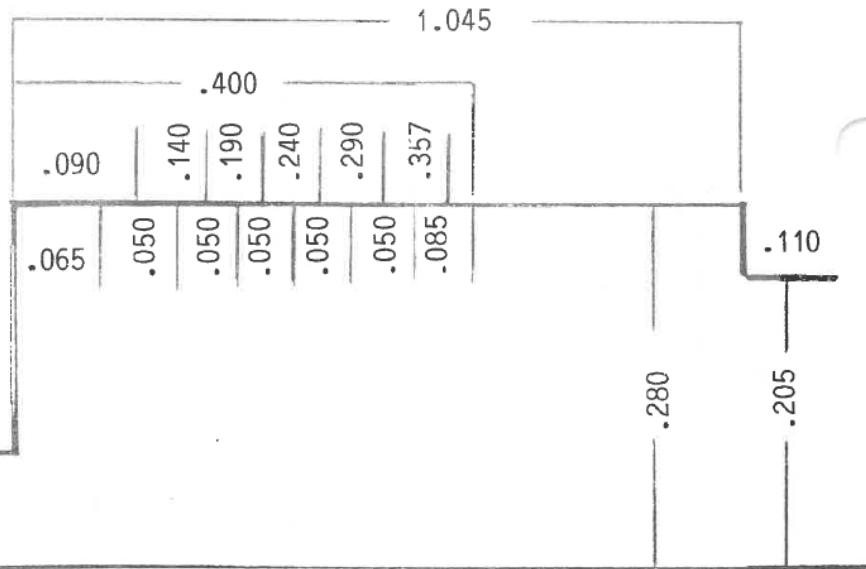
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Security (Kumahira)	0-.314
Lock No: 73-20	1-.290
Use .066 slotted.	2-.266
Blank: SY11	3-.242
Thickness: .055	4-.218
Drop: .024	5-.194
	6-.170



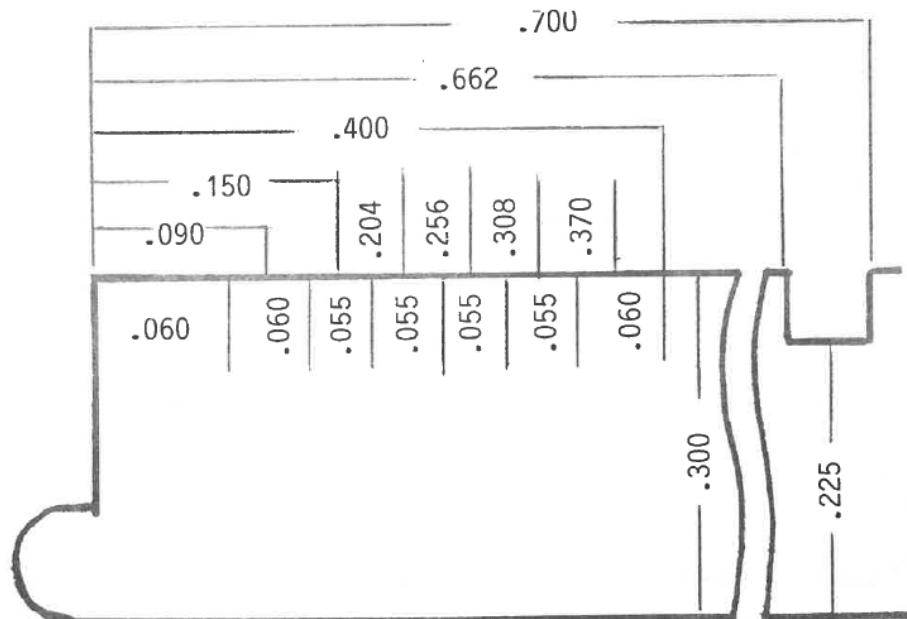
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Security	1-.436
Lock No: ?	2-.400
Use .088 slotter.	3-.364
Blank: SY10	4-.328
Thickness: .078	5-.292
Drop: .036	6-.256



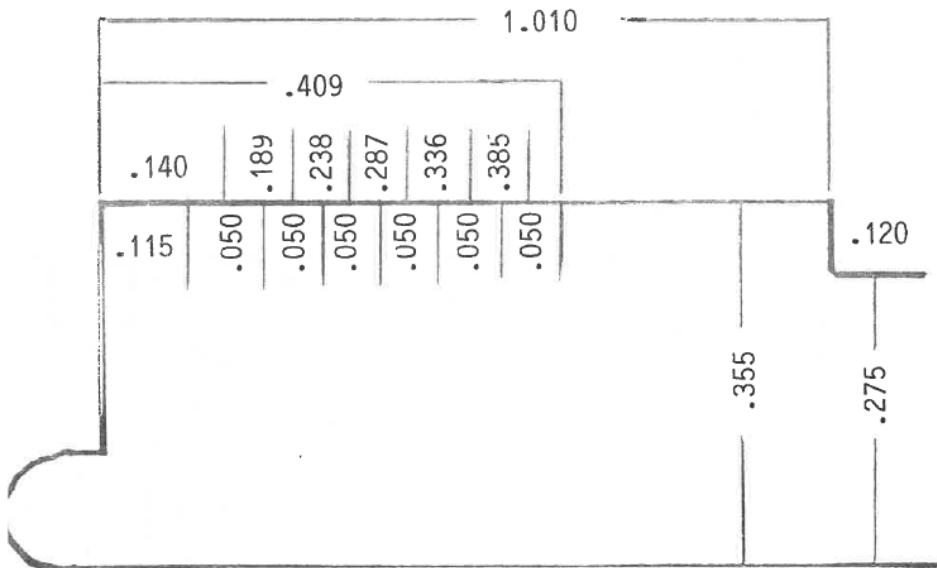
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Victor	0-.280
Lock No: Old; Obsolete	1-.265
Use .055 slotter.	2-.240
Blank: 1066	3-.210
Thickness: .050	4-.180
Drop: Var.	5-.150



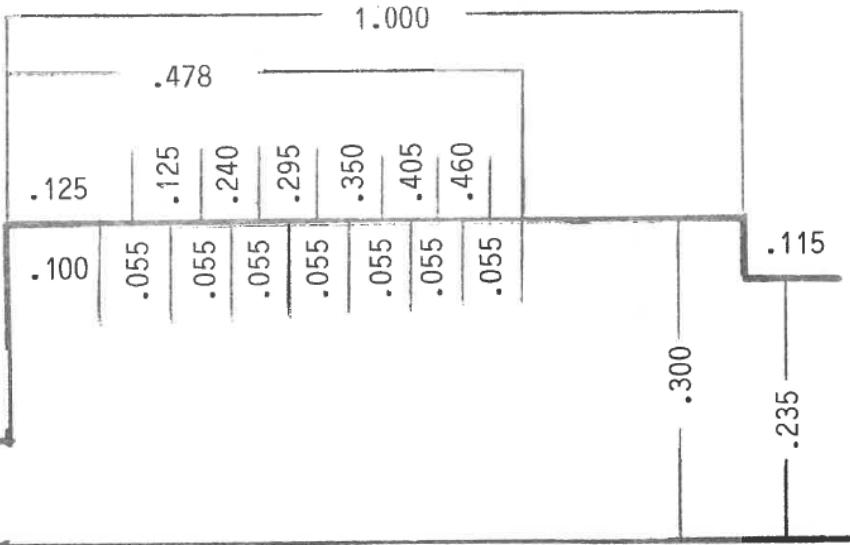
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	Yale	1-.300
Lock No:	23PA	2-.275
Use .066 slotter.		3-.250
Blank:	1060C	4-.225
Thickness:	.080	5-.200
Drop:	.025	6-.175



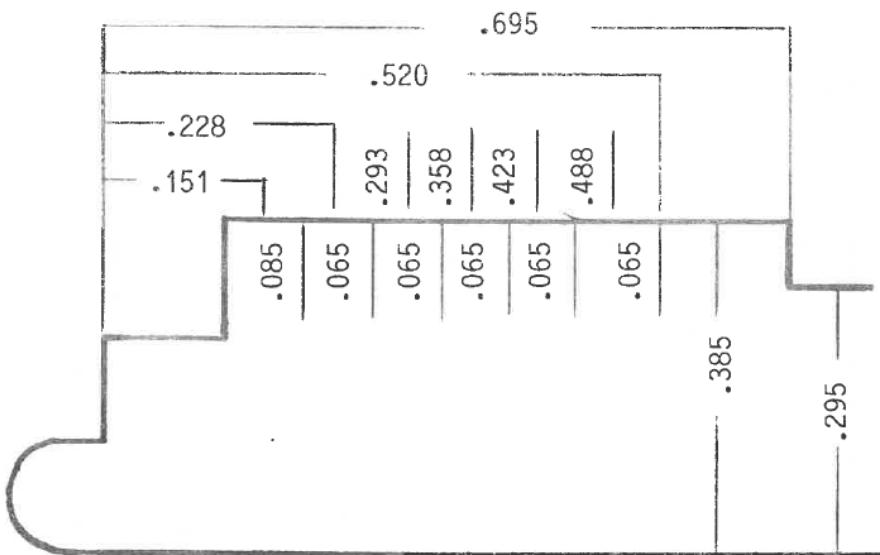
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	Yale	0-.350
Lock No:	201, 301, 8201, 8301, 8231	1-.325
Use .055 slotter.		2-.300
Blank:	885BL	3-.275
Thickness:	.090	4-.250
Drop:	.025	5-.225
		6-.200



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: Yale	0-.300
Lock No: 3330 & 3331	1-.275
Use .055 slotter.	2-.250
Blank: 1095H	3-.225
Thickness: .055	4-.200
Drop: .025	5-.175
	6-.150



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr: York	0-.390
Lock No: 245 Double Nose	1-.360
Use .066 slotter.	2-.330
Blank: 1028F	3-.290
Thickness: .055	4-.255
Drop: Var.	5-.215

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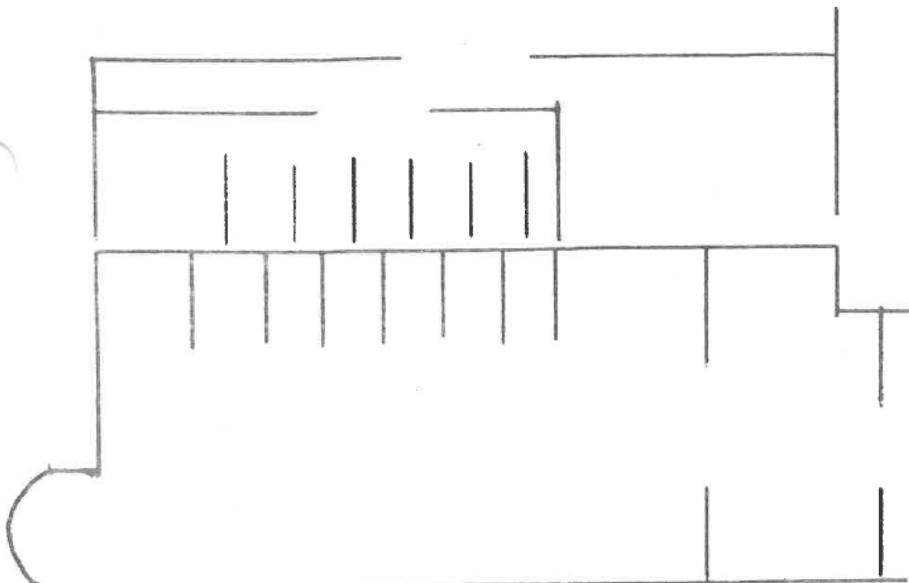
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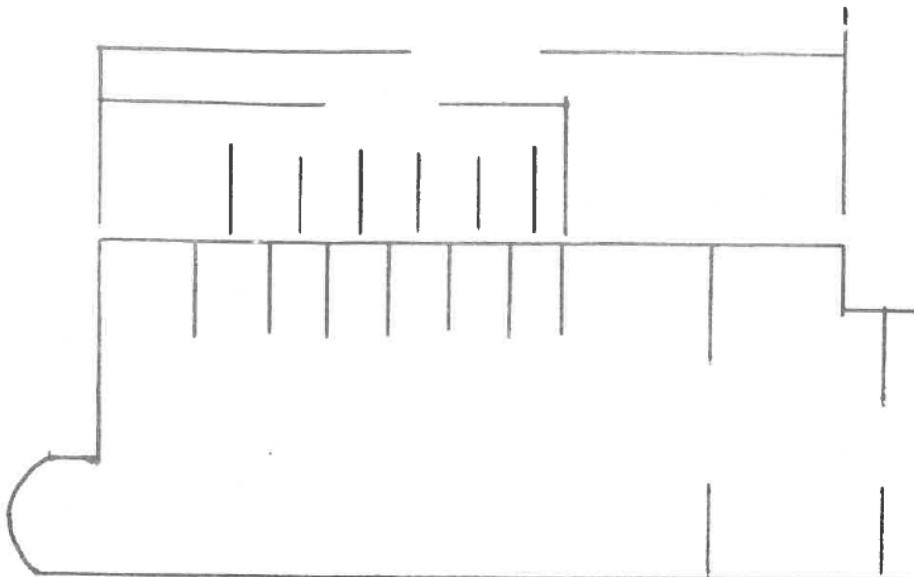
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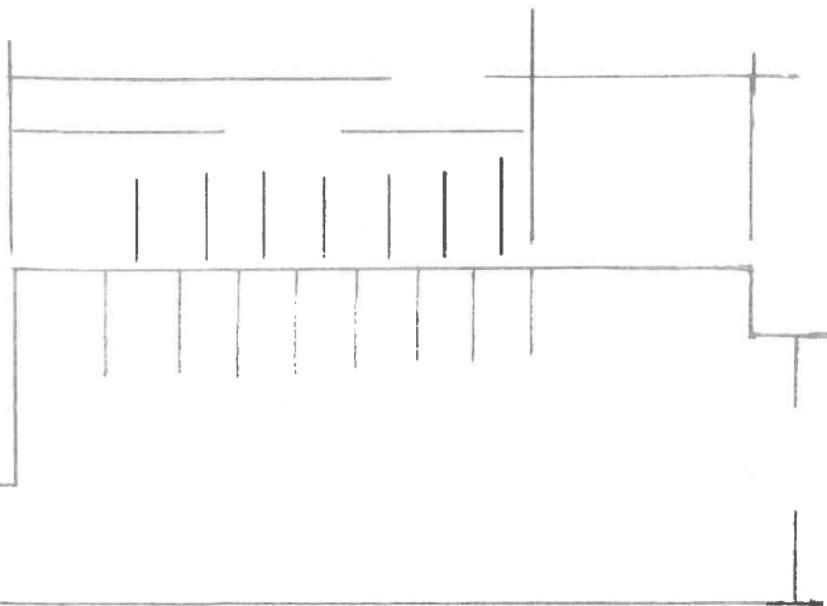
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-.
Lock No:	1-.
Use . slotted.	2-.
Blank:	3-.
Thickness:	4-.
Drop:	5-.
	6-.
	7-.
	8-.



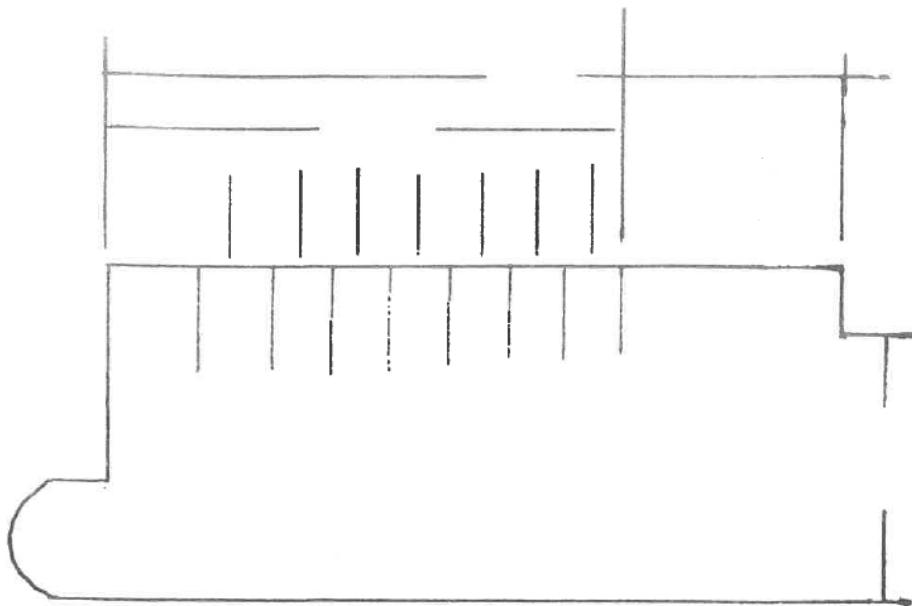
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-.
Lock No:	1-.
Use . slotter.	2-.
Blank:	3-.
Thickness:	4-.
Drop:	5-.
	6-.
	7-.
	8-.



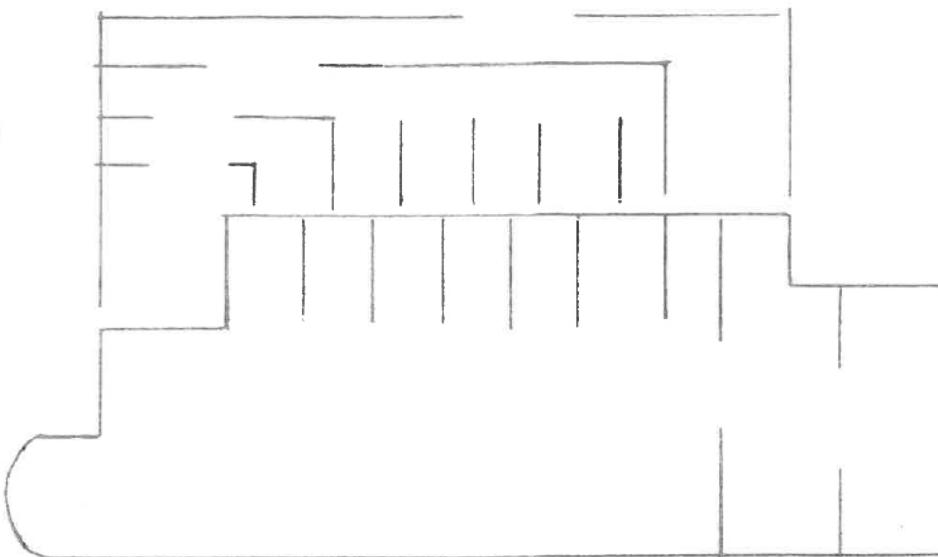
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-.
Lock No:	1-.
Use . slotted.	2-.
Blank:	3-.
Thickness: .	4-.
Drop: .	5-.
	6-.
	7-.
	8-.



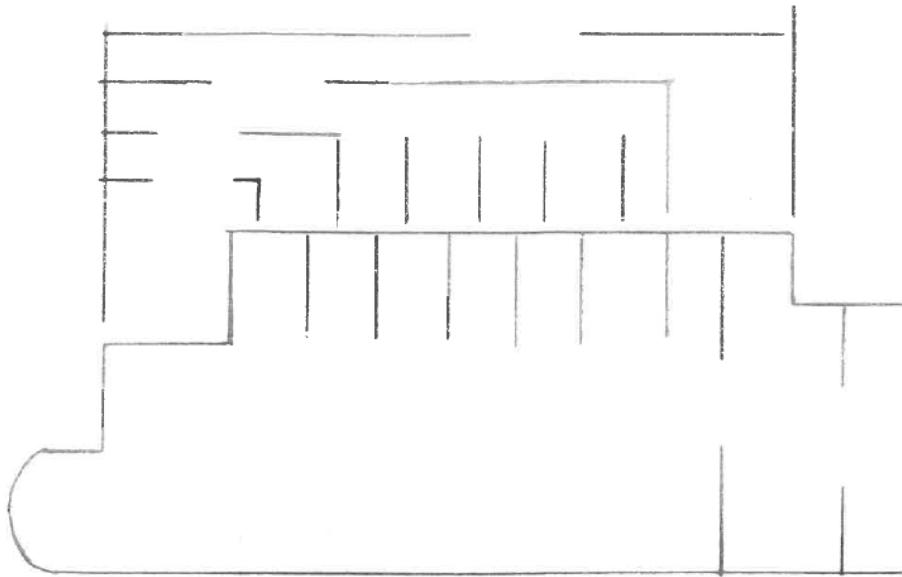
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-.
Lock No:	1-.
Use . slotted.	2-.
Blank:	3-.
Thickness:	4-.
Drop:	5-.
	6-.
	7-.
	8-.



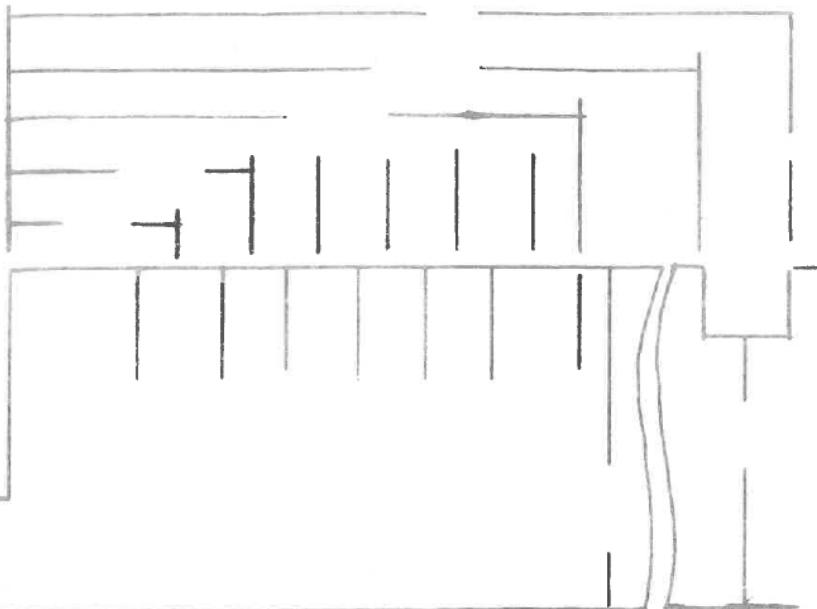
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-
Lock No:	1-
Use . slotted.	2-
Blank:	3-
Thickness: .	4-
Drop:	5-
	6-
	7-
	8-



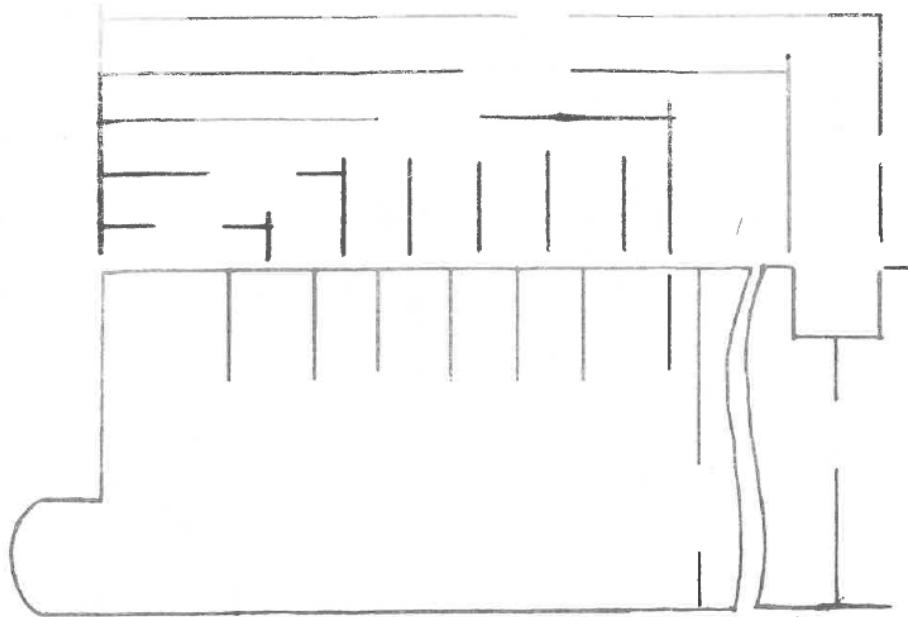
Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-.
Lock No:	1-.
Use . slotted.	2-.
Blank:	3-.
Thickness:	4-.
Drop:	5-.
	6-.
	7-.
	8-.



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-
Lock No:	1-
Use . slotter.	2-
Blank:	3-
Thickness:	4-
Drop:	5-
	6-
	7-
	8-



Measurements above blade are distances from tip to center of each cut. Measurements below blade are width of cut.

Mfgr:	0-.
Lock No:	1-.
Use . slotted.	2-.
Blank:	3-.
Thickness: .	4-.
Drop: .	5-.
	6-.
	7-.
	8-.