

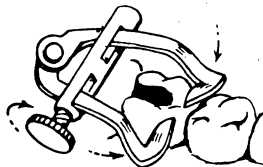
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HELPFUL HINTS

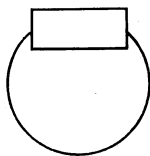
AutoMatrix®

Retainerless Matrix System

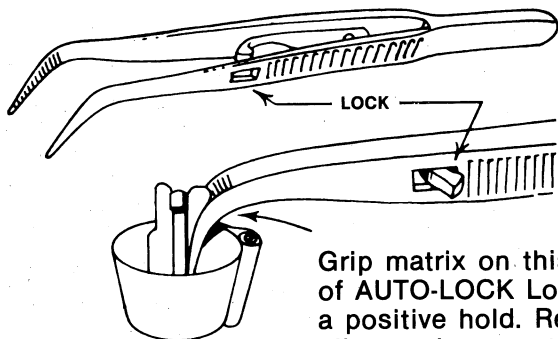
TO SEAT MATRIX IN TIGHT INTERPROXIMALS — use an Elliot Separator on posteriors and gain temporarily required space.



TO CLEAR DEBRIS AND FACILITATE SEATING — use waxed floss, or a soft wedge between tight interproximals . . . or pass a Jelenko Separating Disk through.



FOR HARD TO REACH MOLARS — use locking Col-lege Pliers to grip matrix and facilitate seating.



Grip matrix on this side of AUTO-LOCK Loop for a positive hold. Release pliers when matrix is seated on tooth.

NOTE: The winding tip of the AUTOMATE®III tightening device will readily release from the coil only if it is simultaneously and continuously wound backwards during withdrawal from the tightened coil.

Replacement tips for the AUTOMATE III device can be obtained from your Caulk dealer.

The L.D. Caulk Division
Dentsply International Inc.
Milford, Delaware 19963-0359

Created for Caulk by Harry J. Lazarus
U.S. Pat. No. 3,411,214 and 3,435,905 and 3,852,884 and 3,921,299
Printed in U.S.A.

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DIRECTIONS FOR

AutoMatrix®

Retainerless Matrix System

AUTOMATE® III Tightening Device

INTRODUCTION

There are four types of AUTOMATRIX bands as explained in the table below. All sizes fit teeth of *any* circumference. Only the height and gauge of the bands are different.

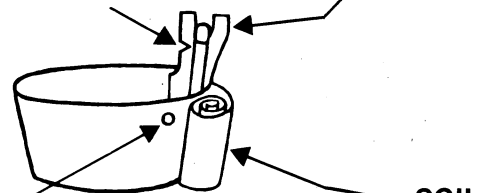
TYPE	MEDIUM THIN*	NARROW REGULAR	MEDIUM REGULAR	WIDE REGULAR
HEIGHT & GAUGE	1/4" x .0015	3/16" x .002	1/4" x .002	5/16" x .002
CLINICAL USES	bicuspid/molars	short bicuspid and molars	bicuspid/molars	long molars

* THIN-GAUGE BANDS IDENTIFIED BY NOTCH HERE

AUTO-LOCK LOOP

LOCK-RELEASE HOLE

COIL

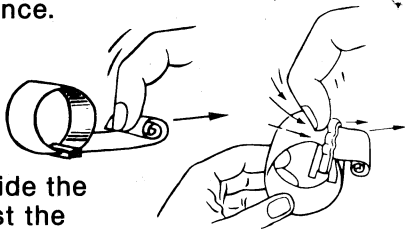


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ENLARGING MATRIX CIRCUMFERENCE

To properly fit tooth, matrix should be slightly larger than occlusal circumference.

1. Unroll coil *slightly* with fingernail
2. Using fingernail, slide the AUTO-LOCK against the coil



If necessary, repeat steps 1 and 2 above to further enlarge matrix.

POSITIONING MATRIX

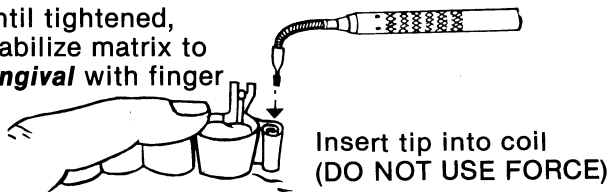
Position matrix with the AUTO-LOCK LOOP at the **center** of buccal or lingual ... or the remaining section of standing tooth.



TIGHTENING THE MATRIX

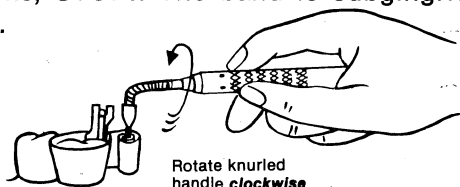
(using AUTOMATE® III tightening device)

1. Until tightened, stabilize matrix to **gingival** with finger



NOTE: AUTOMATE® III has **sonic** torque control, thereby requiring only minimal rotational force.

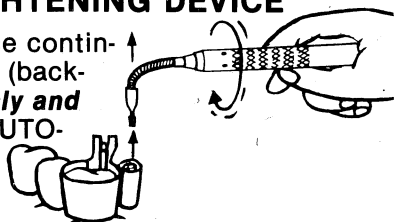
2. Rotate knurled handle **CLOCKWISE**. After 2 to 3 **sonic** clicks, **STOP!** The band is subgingivally tightened.



Note:
THE AUTO-LOCK LOOP keeps matrix locked tightly ... even during the following manipulations.

REMOVING THE TIGHTENING DEVICE

Rotate AUTOMATE device continuously **counterclockwise** (backwards) and **simultaneously and continuously** withdraw AUTOMATE device from coil.



PLACEMENT OF RESTORATIVE

Place wedges as desired (buccal and/or lingual).



Burnish contact points.
Condense amalgam and do rough carving.

REMOVING THE MATRIX

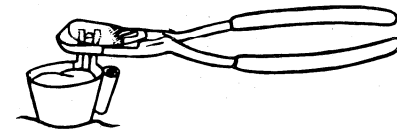
CAUTION

During any of the following matrix removal procedures a segment of the AUTO-LOCK LOOP (retention clip) may separate from the matrix band and fall into the mouth. To prevent this segment from being swallowed or aspirated, remove it immediately from the mouth.*

***NOTE:** This is the segment of AUTO-LOCK LOOP that might separate from band.

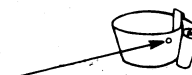


To open and remove matrix, use shielded **SNIPPERS** and clip **any** part of projecting end of AUTO-LOCK LOOP.

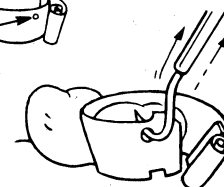


Keep **SNIPPERS** closed during withdrawal from mouth, then drop cut pieces on tray.

Insert a probe through **LOCK-RELEASE HOLE** located near the coil.



Gently pull **LOCK-RELEASE HOLE** occlusally until the matrix slips open.



To avoid amalgam failures, slide matrix buccally or lingually, while removing matrix occlusally. If segment of **AUTO-LOCK LOOP** has separated from band, remove it from mouth.



STERILIZING/SANITIZING

The stainless steel **AUTOMATRIX®** bands and the **AUTOMATE® III** tightening device may be autoclaved or sterilized (dry heat sterilization @ 350° F). The **AUTOMATE** device should **not** be cold sanitized. The shielded **Snippers** should only be cold sanitized.