

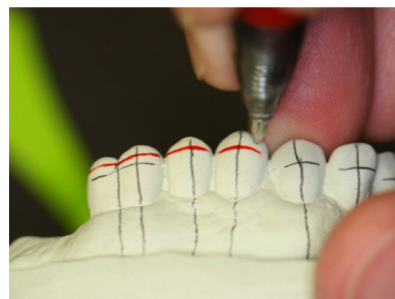
# Indirect Bonding Procedure

THE McLAUGHLIN PROGRAM  
McLaughlin Bracket Placement Guide

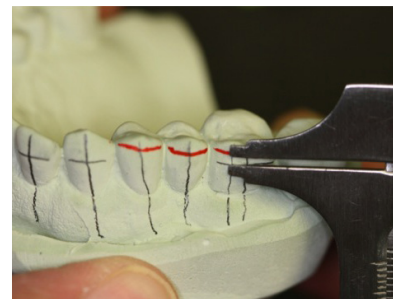
	U7	U6	U5	U4	U3	U2	U1	Upper Arch
2.0	4.0	5.0	5.5	6.0	5.5	6.0	6.0	+1.0 mm
2.0	3.5	4.5	5.0	5.5	5.0	5.5	5.5	+0.5 mm
2.0	3.0	4.0	4.5	5.0	4.5	5.0	5.0	Average
2.0	2.5	3.5	4.0	4.5	4.0	4.5	4.5	-0.5 mm
2.0	2.0	3.0	3.5	4.0	3.5	4.0	4.0	-1.0 mm
3.5	3.5	4.5	5.0	5.5	5.0	5.0	5.0	+1.0 mm
3.0	3.0	4.0	4.5	5.0	4.5	4.5	4.5	+0.5 mm
2.5	2.5	3.5	4.0	4.5	4.0	4.0	4.0	Average
2.0	2.0	3.0	3.5	4.0	3.5	3.5	3.5	-0.5 mm
2.0	2.0	2.5	3.0	3.5	3.0	3.0	3.0	-1.0 mm
1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	Lower Arch



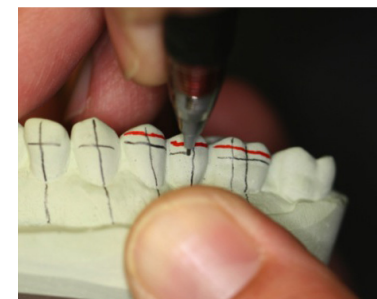
1. Use the appropriate Zand Gauge to mark the horizontal guide lines on the facial surface, not marking the premolars.



2. With a red mechanical pencil draw a line across the facial surface of the premolars and molars connecting the mesial and distal marginal ridges.



3. Using the boley gauge measure the distance between the red and black lines on the molars and record the measurement.



4. The distance between the red and black lines on the molar is then brought to the premolars and a black line is placed same distance below the red line.

With a black mechanical pencil (0.5) draw a line down the centre of the tooth to the end of the root.

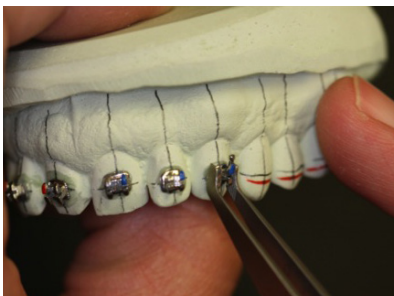
Using a boley gauge measure the clinical crown length of the central incisor and divide by 2.

Refer to the placement chart for the measurements of the horizontal guide line.

Once markings have been completed apply a separator such as Alcotex to the model.

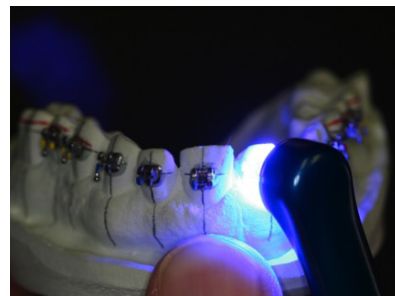


5. Next coat the under surface with bracket paste of your choice.



6. Place the bracket on the model lining up the midline marking on the bracket with the vertical line on the model and the slot with the horizontal line and repeat with remaining brackets.

Do not light cure until all brackets have been placed.



7. When all brackets placed in ideal position clean excess then cure for 3 seconds in Xtra power mode each with VALO Curing Light.



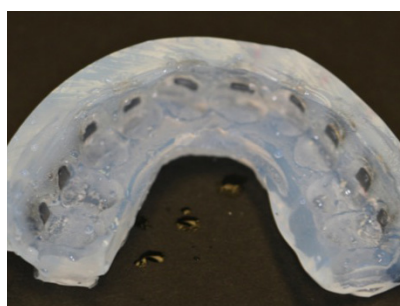
8. Use clear rope wax to create a border for your matrix.

Express Affinity Crystal impression material into the borders created with the rope wax, on the labial, buccal, occlusal and palatal surfaces.



9. Place model in a bowl of warm water for 15-20 minutes, this allows the separator to release the brackets from the model.

**Tip:** Use a piece of plastic sheet to make the matrix smooth on the facial and occlusal surfaces. Remove once Crystal is set.



Firmly press downwards on buccal & labial aspect of matrix to release brackets from the stone model.

10. Using Ortho Prophy SA-85 (Danville) and blast the under surface of the brackets to clean off excess separator or stone.

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# FULL STEP-BY-STEP INDIRECT PROCEDURE

STEPS CAN BE FOUND AT [WWW.CLINICALRESEARCHDENTAL.COM](http://WWW.CLINICALRESEARCHDENTAL.COM)

## IDB Technique

Now the matrix and brackets are ready for indirect placement.

## Bonding Procedure

1. Once patient is seated, insert an Umbrella™ retractor for optimal isolation
2. Etch facial surface of enamel and rinse thoroughly
3. Apply an adhesive to the facial surface as per manufacturers instructions BUT do not cure
4. Apply a flowable composite to underside of bracket (such as Evanesce™ Flow)
5. Place matrix in mouth and cure 3 seconds per bracket with VALO™ curing light in Xtra power mode
6. Remove Matrix and cure each bracket again for 3 seconds with VALO™ curing light in Xtra power mode

Visit [clinicalresearchdental.com](http://clinicalresearchdental.com) for more product details.



**Clinical Tip:** Models can be placed in a black model box until final bracket placement has been approved by the orthodontist prior to curing.

**Note:** Affinity Crystal can also be used for IDB with a hard transfer tray technique.



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