Finish In Control
Selective engagement allows you to choose the ideal balance between low friction and interactive control for each treatment phase. Early in treatment, with smaller dimension round and rectangular wires, T3 bracket clips are passive, allowing teeth to unravel and level freely and quickly. As treatment progresses into larger rectangular wires, T3’s unique clip actively engages the wire, providing three-dimensional control for precision detailing.

Finish in control

Passive self ligating brackets never fully engage finishing wires, leading to frustrating detailing challenges at the end of treatment.

As wire dimensions increase, T3’s selective engagement clip seats the wire into the bottom of the slot, increasing control and accuracy.

Friction in conventionally ligated brackets can be up to 600X that of self ligation systems. 1,2,3

T3’s selective engagement clip produces an ultra low friction slot with early treatment wires.

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Finish in control
T3’s coordinated in/outs keep the arch wire in harmony with the patient’s natural arch form, critical to treating cases successfully. Very low in/out heights keep the arch wire as close as possible to the surface of the tooth, ensuring targeted control of tooth movement. Low in/outs also allow for lower overall bracket height, providing more patient comfort and reducing unwanted debonds.
It’s all about the clip

T3 clip access is front and center on the facial surface of the bracket. Opening and closing require only gentle rolling forces, comfortable for the patient.

The most reliable opening method for spring clip style brackets, like In-Ovation R*, is from the gingival, and is subject to poor visibility, especially in the posterior or in patients with inflamed gums. Opening requires heavier forces and can be uncomfortable for patients.

Sliding gate style brackets, like Damon* system brackets, can also require heavier, uncomfortable opening forces, particularly as treatment progresses and bio-debris builds up in the clip mechanisms.

FDI laser numbering for easy bracket identification
Other clip designs have substantial portions of metal on metal sliding contact, which are prone to calculus and plaque accumulation. This bio-debris buildup can make the clips frustrating to open and leads to uncomfortable wire changes for patients.

Gingivally scalloped clip
Facial access hole makes it easy to engage and open the clip
Lasered up/down arrows indicate high/low torque options
Rounded clip edges and tie wings for patient comfort
Red outlines show friction area as clips slide through bracket body

T3’s clip rotates on two small contact points

Spring clip style bracket
Sliding gate style bracket
Anatomy of a T3 cuspid

Plastic ligatures can be easily placed around the T3 clip and tie wings.

The clip guard provides a tactile assurance that the clip is fully closed.

Torque rails on occlusal tie wings extend slot height to .028 allowing for full expression of torque as rectangular wire dimensions increase.

Small, rounded occlusal tie wings

Rounded slot entrance and humped slot floor for reduced friction

Smooth, rounded clip edges

True twin design

Permanent, individual laser ID marking

Microetched, Quadra Grip™ base provides superior bond strength

T3 brackets are available in a Roth system, a McLaughlin, Bennett, Trevisi system, and a Straight Wire system. The American Orthodontics versions of these systems are not claimed to be a duplication of any other, nor does American Orthodontics imply that they are endorsed in any way by Drs. Roth, McLaughlin, Bennett, or Trevisi.

T3 brackets are available with high and low torque options. Hooks are available on cuspids.

4. S.K. Sharma-Sayal, University of Toronto, Ontario, Canada, 1999

*Damon and Damon 3MX are registered trademarks of Sybron Dental Specialties Inc.
In-Ovation R is a registered trademark of the GAC-Dentsply Corporation
**Scorecard**

- Reduced treatment duration
- Shorter appointments
- Early treatment low friction
- Late treatment control
- Individual/permanent ID marking
- Very low in/out
- Easy open and close
- Proven bond strength
- Variety of torques available in .018
- Variety of torques available in .022

**Arch Wire Sequence**

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<tr>
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<td></td>
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| **Bonding**

T3 brackets should be bonded with the spring clip in the open position. This minimizes any chance of adhesive interfering with the operation of the clip. Clips should be closed when indirect bonding.

Use traditional direct bond adhesive when bonding T3 brackets. The T3 one piece design with microetched Quadra Grip™ base has proven to provide excellent bond strength.⁴

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After the adhesive has cured, install arch wires and close the spring clip. The clip should only be opened and closed using the specially designed T3 bracket instrument.

To open the clip, insert the instrument in the labial opening and gently rotate the instrument between the thumb and forefinger toward the gingival. When the clip is open, there is resistance to further opening. Do not attempt to over-rotate the clip.

**As recommended by Dr. John Valant. Dr. Valant uses .018 slot 5-5 and .022 slot on molars.**
Interactive Clip
Low In/Outs
Easy Open and Close
No Bio-Debris Binding
Proven Quadra Grip™ Bonding Base
Strong, Durable Clip
Individual, Laser ID Marking
Twin Design
Finish In Control