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Our engineers understand the difference between what works in the lab and what really works in your practice. This means that not a single product is released into the market until we know it will perform to your highest expectations.

We believe in developing products that make your treatment more effective and your patients happier. Our dedicated customer service personnel are standing by to assist you. When you choose TPO as your orthodontic partner, you get only the best for your practice.

**ONLY THE BEST
FOR YOUR PRACTICE**

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Form No.996-464E



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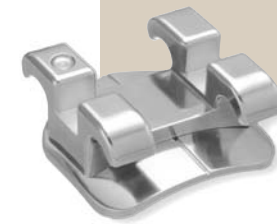
NU-EDGE® COBALT CHROMIUM BRACKETS

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TP ORTHODONTICS



NU-EDGE® COBALT CHROMIUM BRACKETS

- Reduced Friction Compared to Stainless Steel Brackets
- Hardness of CoCr Alloy Virtually Eliminates Archwire Collapse
- 99.9% Nickel-Free for Sensitive Patients
- Corrosion Resistant
- PrimeKote® Treated for Enhanced Adhesive Bond Strength
- Several Prescriptions



NU-EDGE® COBALT CHROMIUM BRACKETS

Nu-Edge brackets set the standard for all metal brackets, with friction levels lower than stainless steel brackets of similar design.¹ Nu-Edge brackets are the first orthodontic appliances to be made of cobalt chromium (CoCr), which provides several advantages over stainless steel.

Reduced Friction

Using CoCr provides increased surface hardness as compared to other metals. This reduces friction forces (which are influenced by surface roughness and hardness). CoCr also prevents archwire slot collapse due to occlusal stress.

Nu-Edge brackets are cast rather than machined or milled. This produces an exceptionally smooth, precise archwire slot that further enhances the bracket's low-friction properties.

Nickel-Free for Sensitive Patients

Most stainless steel brackets contain 8% - 10% nickel which can cause contact allergies during treatment. Nu-Edge brackets are 99.9% nickel-free, giving you a worry-free, biocompatible treatment option for your nickel-sensitive patients.

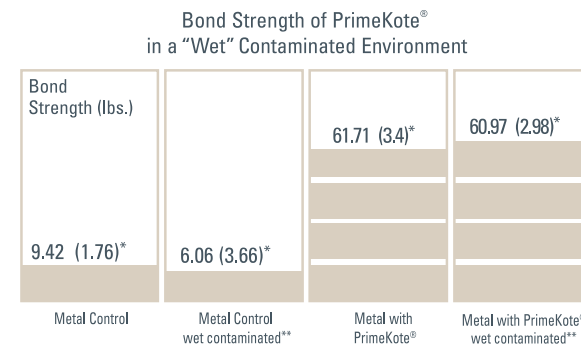
In fact, because of such allergy concerns, CoCr alloy has successfully replaced stainless steel in many orthopedic implant devices in recent years.

Corrosion Resistant

Extensive bracket corrosion can cause increased surface roughness, premature debonds, and undesirable clinical side effects, such as black or green enamel stains that occur when metal ions are released into the patient's saliva.

Some grades of stainless steel are fairly corrosion resistant; however, they still do not compare favorably to the CoCr alloy that makes up the Nu-Edge bracket.

Not only is the CoCr alloy naturally moisture-resistant, but the addition of PrimeKote® further protects the metal from corrosion².



*Standard deviation shown in ().

**Wet contamination is saliva applied on bracket base prior to bonding.

Enhanced Adhesive Bond Strength

Nu-Edge brackets feature PrimeKote, a unique method of treating the bracket surface with a polymer coating.

The many benefits of PrimeKote clearly distinguish Nu-Edge from other metal brackets on the market today.

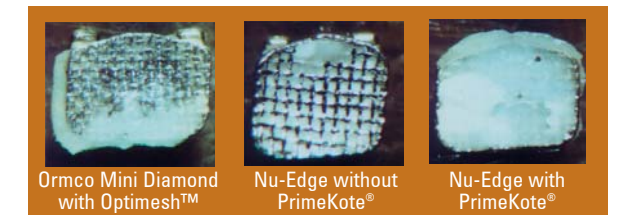
After an intensive high-energy plasma cleaning process, the entire bracket surface receives this exclusive conformal coating.

Compatible with all orthodontic adhesives, PrimeKote improves bracket bond durability by establishing a chemical bond between the adhesive and the mechanical interlock of the mesh base³.

In fact, PrimeKote has proven repeatedly to provide reliable bond strength, even in a wet environment⁴.

Fast and Easy Enamel Cleanup

With PrimeKote, Nu-Edge brackets show maximum adhesive transfer from the tooth surface to the mesh base during debonding⁵. As a result, most of the adhesive remains on the bracket base for simplified clean-up.



Several Prescription Options

Nu-Edge brackets have a familiar mini-twin design and are available in several prescriptions to match your preferred treatment technique:

- MBT* (McLaughlin, Bennett, Trevisi)
- Roth
- High Torque .022"
- Bio Tech

¹ Redlich, M.; Mayer, Y.; Harari, D.; Lewinstein, I. In vitro study of frictional forces during sliding mechanics of "reduced-friction" brackets. Am J Orthod Dentofacial Orthop July 2003; Vol. 124: p. 69-73.

² Devanathan, D. PrimeKote: A method to improve bracket bond durability. TP Orthodontics, Inc., 1999.

³⁻⁵ Devanathan, D and Chudzynski, J. Technical evaluation of a new orthodontic bracket. TP Orthodontics, Inc., 1997.

* MBT is a registered trademark of 3M Unitek. TP Orthodontics' version of the McLaughlin, Bennett, Trevisi prescription is not intended to be a duplication of, nor an endorsement by, these doctors and such endorsement is not implied by the use of this item.