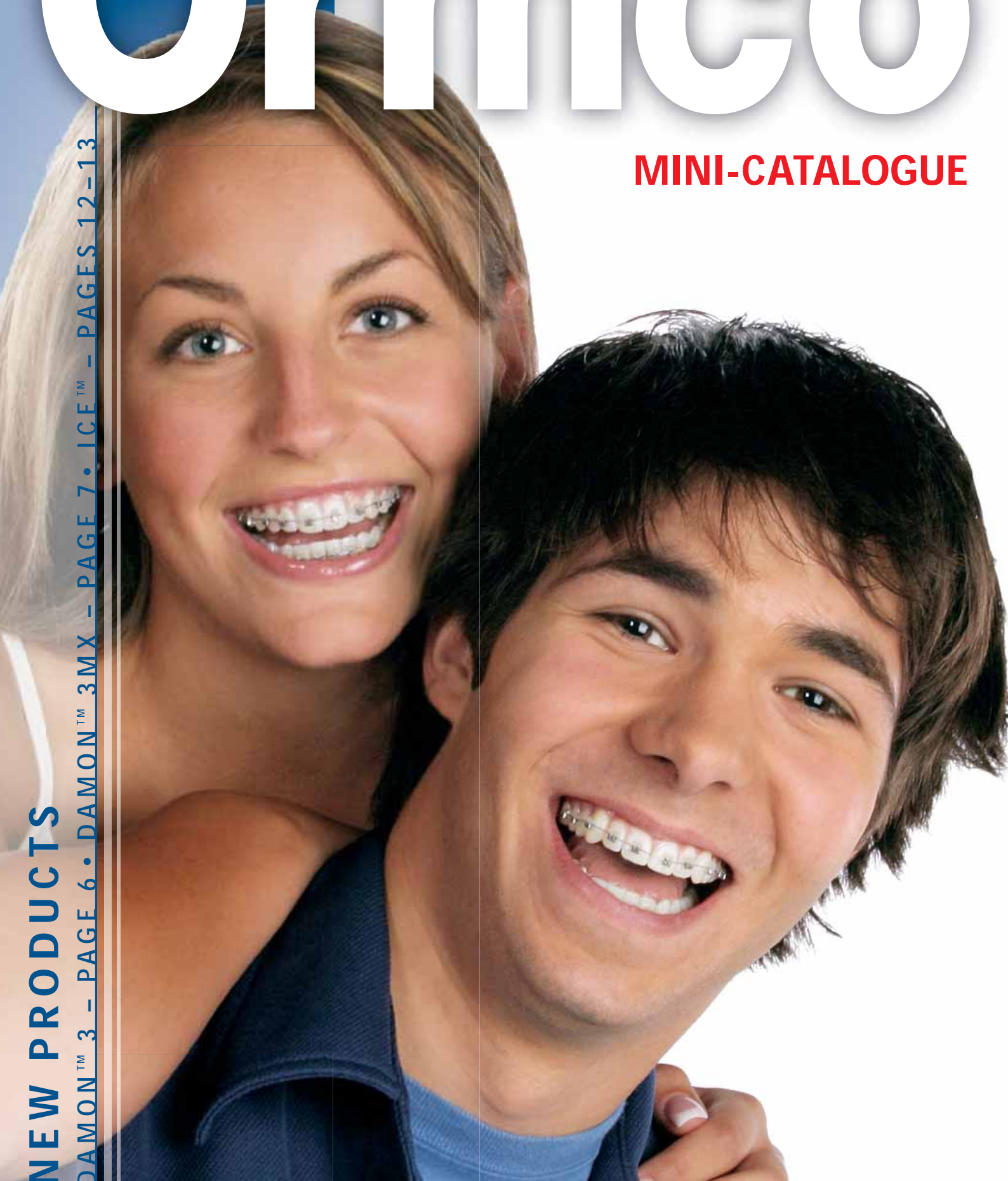


Ormco

MINI-CATALOGUE



NEW PRODUCTS

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MINI-CATALOGUE

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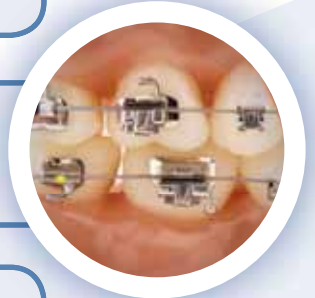


DAMON SYSTEM™

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BUCCAL TUBES

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STRENGTH. BEAUTY. EXTRAORDINARY RESULTS.



With the strength and durability of the Damon 3MX and the aesthetics and comfort of the improved Damon 3, the Damon System is your solution for fast, consistent high-quality results.



Damon Archwire Stops
Damon Copper Ni-Ti[®] archwires are preloaded with stops that are easy to crimp and stay securely in place.

SL Buccal Tubes
SL Buccal Tubes on the 1st molars so you can convert and re-close as often as needed.



DAMON[™]
System



▶ First-generation Damon SL brackets-introduced

1996

▶ Damon 2 brackets introduced

▶ Damon treatment protocols established

2000

EVOLUTION OF THE DAMON SYSTEM

THE SYSTEM

A NEW WAY OF LOOKING AT OUR CLINICAL FORCE SYSTEM.

The Damon System is more than exceptional self-ligating brackets. It's the proven combination of passive self-ligating brackets, hi-tech archwires and minimally invasive treatment protocols that work together in a low-friction, low-force system. The Damon System provides extraordinary advantages over traditional orthodontic approaches – faster treatment time, very few auxiliary appliances and greater patient comfort.



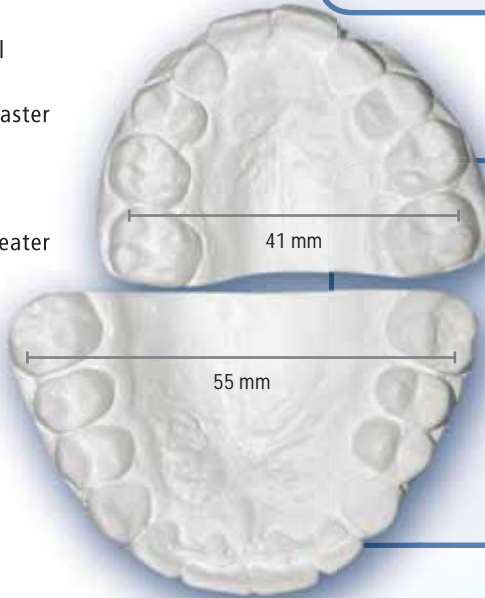
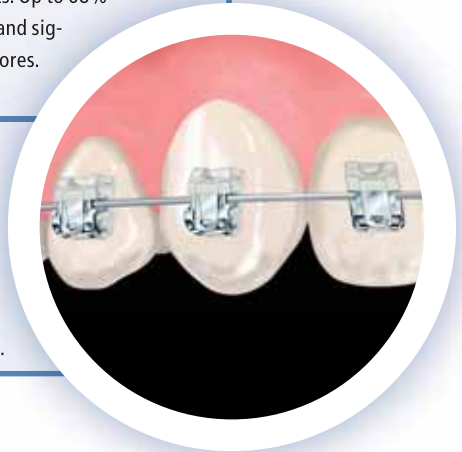
Clinically proven advantages of the Damon System vs. conventional appliances*

Up to 7 months faster treatment time and up to 48% fewer appointments. Up to 68% less patient discomfort and significantly higher ABO scores.

*Data on file

The Damon difference

Without elastic ligatures that create friction and binding, Damon passive self-ligation brackets allow freedom of movement and thus faster results with gentler forces. It's the biologically sensible way to improve tooth position and facial aesthetics.



Lateral Development...

...without RPEs or surgery

With a reduced need for auxiliary appliances or invasive procedures, the Damon System benefits both you and your patients. In this featured Damon case, the patient gained 14 mm of posterior arch width – without rapid palatal expansion or surgery. The posttreatment CT image shows transverse arch development and normal alveolar bone on lingual and buccal surfaces.



www.damonsystem.com

www.damonbraces.com

▶ Landmark clinical studies confirm Damon System benefits

▶ Damon Copper Ni-Ti® archwires introduced

▶ Record number of orthodontists attend Damon seminars around the world

▶ Damon 3 brackets introduced

▶ First CT scans of Damon cases unveiled at the Damon Forum

▶ Damon System recognized as the fastest growing technique in the world

▶ Nearly 1 million cases of Damon brackets sold

▶ Damon 3MX brackets introduced

▶ Damon SL Buccal Tubes introduced

▶ Dr. Damon lectures at the AAO Annual Session

▶ First annual Damon Forum in Palm Springs

▶ Record number of orthodontists attend the first annual International Damon Symposium in Monaco

2002

2004

2005



DAMON™ 2

PRACTICE EFFICIENCY AND PATIENT COMFORT.

- 4 Wires stay fully engaged – for more-consistent and predictable results
- 4 Compound contoured base design and Optimesh® XRT pads – for greater bond strength
- 4 Easy-to-use slide – for fast wire changes
- 4 Twin design – for excellent torque and rotational control
- 4 Four solid walls – facilitate fast low-friction tooth movement with maximum control



Tooth	Torq.	Ang.	Rot.	Part #	Part #
Maxillary				.022 L	.022 R
Central	+12°	+5°	0°	491-0111	491-0110
Central - Low Torque	+7°	+5°	0°	491-0121	491-0120
Central - Super Torque	+17°	+5°	0°	491-0141	491-0140
Lateral	+8°	+9°	0°	491-0211	491-0210
Lateral - Low Torque	+3°	+9°	0°	491-0221	491-0220
Lateral - Super Torque	+10°	+9°	0°	491-0241	491-0240
Cuspid	0°	+6°	0°	491-0331	491-0330
Cuspid - Super Torque	+7°	+6°	0°	491-0361	491-0360
Cuspid with hook	0°	+6°	0°	491-1331	491-1330
Cuspid with hook	+7°	+6°	0°	491-1361	491-1360
Bicuspid	-7°	+2°	0°	491-0521	491-0520
Bicuspid with hook	-7°	+2°	0°	491-1521	491-1520
Mandibular			0°	.022 L	.022 R
Anteriors	-1°	+2°	0°	491-0021	491-0020
Anteriors	-6°	+2°	0°	491-0051	491-0050
Cuspid	0°	+5°	0°	491-0431	491-0430
Cuspid	+7°	+5°	0°	491-0461	491-0460
Cuspid with hook	0°	+5°	0°	491-1431	491-1430
Cuspid with hook	+7°	+5°	0°	491-1461	491-1460
1 st Bicuspid with hook	-12°	+2°	0°	491-1631	491-1630
1 st Bicuspid	-12°	+2°	0°	491-0631	491-0630
2 nd Bicuspid with hook	-17°	+2°	0°	491-1731	491-1731
2 nd Bicuspid	-17°	+2°	0°	491-0731	491-0730
DAMON 2 INSTRUMENTS					Part #
Damon 2 Opening/Closing Instrument					866-4006
Damon 2 Debonding Plier					866-4008
Damon Cool Tool					866-4003

DAMON™ 3

SELF-LIGATION HAS NEVER LOOKED SO GOOD.

- 4 A combination of clear material and stainless steel provides the aesthetics your patients will love
- 4 Ultra-smooth contours and rounded edges provide maximum comfort
- 4 Four solid walls for fast, low-friction tooth movement with maximum control
- 4 Easy slide mechanism with a deeper funnel and backstop for easier use
- 4 Retention plate for greater torque strength
- 4 Support arm for greater tie-wing strength
- 4 Rhomboid pads throughout the system ensure fast and accurate bracket placement



DAMON 3

Tooth	Torq.	Ang.	Rot.	Part #	Part #
Maxillary				.022 L	.022 R
Central	+12°	+5°	0°	491-4111	491-4110
Central - Super Torque	+17°	+5°	0°	491-4141	491-4140
Central - Low Torque	+7°	+5°	0°	491-4121	491-4120
Lateral	+8°	+9°	0°	491-4211	491-4210
Lateral - Super Torque	+10°	+9°	0°	491-4241	491-4240
Lateral - Low Torque	+3°	+9°	0°	491-4221	491-4220
Cuspid	0°	+6°	0°	491-4331	491-4330
Cuspid - Super Torque	7°	+6°	0°	491-4361	491-4360
Bicuspid	-7°	+2°	0°	491-4521	491-4520
Mandibular				.022 L	.022 R
Anteriors	-1°	+2°	0°	491-4021	491-4020
Anteriors	-6°	+2°	0°	491-4051	491-4050
Cuspid	0°	+5°	0°	491-4431	491-4430
1 st Bicuspid	-12°	+2°	0°	491-4621	491-4620
2 nd Bicuspid	-17°	+2°	0°	491-4721	491-4720

Damon 3 & Damon 3MX Instruments and Packaging

Damon 3™ & Damon 3MX Opening Instrument	866-4010
Damon Cool Tool	866-4003
Damon Tweezer	801-2100
Damon 3 & Damon 3MX Bracket Set-Up Tray (20 per pack)	740-0297
Damon 3 & Damon 3MX Modular Inventory & Dispensing System (1 Piece)	070-0778

Damon System Marketing Material

Damon System DVD	070-5463
Damon Marketing CD	070-5462
Damon Patient Information Leaflet pk/20	762-4931

Damon System Auxiliaries

Tieback Modules Size 1 Extr. (6.1 mm) Clear	637-0012
Tieback Modules Size 1 Extr. (6.1 mm) Grey	637-0011
Tieback Modules Size 2 Extr. (8.6 mm) Clear	637-0022
Tieback Modules Size 2 Extr. (8.6 mm) Grey	637-0021
Ni-Ti Light Open Coil Springs .010 x .030	221-5510
Ni-Ti Med. Open Coil Springs .012 x .030	221-5512
Ni-Ti Closed Coil Springs .010 x .030 9mm Light	222-5610
Ni-Ti Closed Coil Springs .010 x .030 12mm Med	222-5612
0.009x.030 Stainless Steel Pletcher Springs	704-6021
Bondable Eyelet (pk 10)	300-0090

DAMON™ 3MX

FOR IMPROVED TOOTH POSITION AND FACIAL AESTHETICS.

- 4 Stainless steel 17-4 (MIM) construction for strength and durability
- 4 Vertical slot for removable drop-in hooks and other auxiliaries
- 4 Ultra-smooth contours and rounded edges for maximum comfort
- 4 Rhomboid bracket and pad with vertical scribe line for fast and accurate placement
- 4 Easy opening and closing. Enhanced slide design for efficient ligation
- 4 Permanent bracket identification
- 4 Contoured base design and Optimesh® XRT pads for optimal bond retention



Tooth	Torq.	Ang.	Rot.	Part #	Part #
Maxillary				.022 L	.022 R
Central	+12°	+5°	0°	494-4461	494-4460
Central - Super Torque	+17°	+5°	0°	494-4465	494-4464
Central - Low Torque	+7°	+5°	0°	494-4463	494-4462
Lateral	+8°	+9°	0°	494-4471	494-4470
Lateral - Super Torque	+10°	+9°	0°	494-4475	494-4474
Lateral - Low Torque	+3°	+9°	0°	494-4473	494-4472
Cuspid	0°	+6°	0°	494-4481	494-4480
Cuspid - Super Torque	+7°	+6°	0°	494-4483	494-4482
Bicuspid	-7°	+2°	0°	494-4491	494-4490
Mandibular				.022 L	.022 R
Anteriors	-1°	+2°	0°	494-4411	494-4410
Anteriors	-6°	+2°	0°	494-4413	494-4412
Cuspid	0°	+5°	0°	494-4431	494-4430
Cuspid	+7°	+5°	0°	494-4433	494-4432
1 st Bicuspid	-12°	+2°	0°	494-4441	494-4440
2 nd Bicuspid	-17°	+2°	0°	494-4451	494-4450

Damon System Archwires

Damon System Archwires	Part #
.013 Damon Optimal Force Copper Ni-Ti w/Archwire Stops	205-1909
.014 Damon Optimal Force Copper Ni-Ti w/Archwire Stops	205-1902
.016 Damon Optimal Force Copper Ni-Ti w/Archwire Stops	205-1903
.014 x.025 Damon Optimal Force Copper Ni-Ti w/Archwire Stops	210-1905
.016 x.025 Damon Optimal Force Copper Ni-Ti w/ Archwire Stops	210-1906
.018 x.025 Damon Optimal Force Copper Ni-Ti w/Archwire Stops	210-1907
.017 x.025 34mm Damon Ni-Ti w/20° Ant Torque**	227-0342
.019 x.025 34mm Damon Ni-Ti w/20° Ant Torque**	227-0343
.017 x.025 38mm Damon Ni-Ti w/20° Ant Torque**	227-0382
.019 x.025 38mm Damon Ni-Ti w/20° Ant Torque**	227-0383
.017 x.025 34mm Damon Reverse Ni-Ti w/20° Ant Torque**	216-3417
.019 x.025 34mm Damon Reverse Ni-Ti w/20° Ant Torque**	216-3419
.017 x.025 38mm Damon Reverse Ni-Ti w/20° Ant Torque**	216-3817
.019 x.025 38mm Damon Reverse Ni-Ti w/20° Ant Torque**	216-3819
.016 x.025 Damon Low-Friction Purple TMA**	227-1141
.019 x.025 Damon Low-Friction Purple TMA**	227-1143
.016 x.025 Damon Low-Friction TMA	227-1111
.017 x.025 Damon Low-Friction TMA	227-1112
.019 x.025 Damon Low-Friction TMA	227-1113
.016 x.025 Damon Stainless Steel	227-1067
.019 x.025 Damon Stainless Steel	227-1071
.016 x.025 26mm Damon Posted Stainless Steel	227-1028
.016 x.025 30mm Damon Posted Stainless Steel	227-1032
.016 x.025 32mm Damon Posted Stainless Steel	227-1034
.019 x.025 30mm Damon Posted Stainless Steel	227-1033
.019 x.025 34mm Damon Posted Stainless Steel	227-1037
.019 x.025 36mm Damon Posted Stainless Steel	227-1039
.019 x.025 38mm Damon Posted Stainless Steel	227-1041
.016 x.025 28mm Damon Posted Stainless Steel	227-1030
.019 Archwire Stops (40 pieces) – for round wires	623-0252
.030 Archwire Stops (40 pieces) – for rectangular wires	623-0253



The essential guide for maximizing your efficiency with the Damon System

Part.No. 762-4936



Damon™ 3 and Damon™ 3MX brackets are packaged in QUAD™ sticks, part of Ormco's revolutionary new QUAD™ System. QUAD™ not only organizes your inventory but also makes case setup easier and more efficient.



SELF-LIGATING 1ST MOLAR BUCCAL TUBES

THE ALTERNATIVE TO TRADITIONAL CONVERTIBLE TUBES.

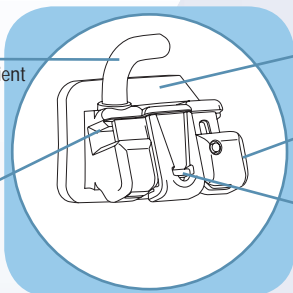
SLBUCCAL TUBES open quickly and easily with the press of a button and snap closed with your finger. Nothing could be easier, nothing could be faster. Available in a variety of prescriptions.

- ✦ **Ease of use** – patented slide mechanism makes it simple to open, seat wire in the slot and close with the touch of a finger tip.
- ✦ **Speed and convenience** – no tying or retying wire changes are fast and easy.
- ✦ **Control** – four solid walls, deliver the control of standard tubes throughout treatment.
- ✦ **Clinical efficiency** – by eliminating ligatures, friction is significantly reduced, delivering more-efficient and predictable tooth movement.
- ✦ **Time saving** – wire to wire class II correctors are simple to place, reactive and remove.

UPPER 1ST MOLAR

High-retention hook angled for maximum patient comfort

Chamfered opening for easy wire insertion



Contoured pad for unmatched fit and bond retention

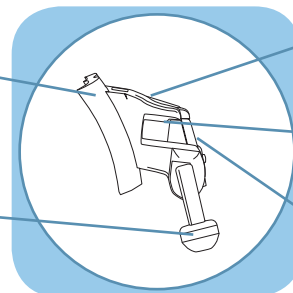
Ultra-smooth finish for maximum comfort

Patented slide mechanism for easy opening and closing, and an audible click to let you know it's closed

LOWER 1ST MOLAR

Contoured pad for unmatched fit and bond retention

Patented Hemi-Hook for maximum elastic retention



Low-profile sloping design to minimize occlusal interference

Chamfered opening for easy wire insertion

Patented slide mechanism for easy opening and closing, and an audible click to let you know it's closed



SL Buccal Tubes are packaged in QUAD™ sticks, part of Ormco's revolutionary new QUAD™ System. QUAD™ not only organizes your inventory but also makes case setup easier and more efficient.

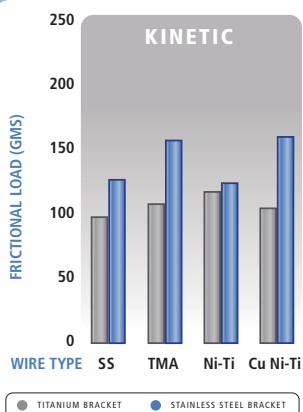
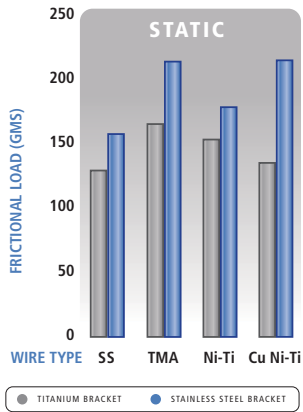
Tooth	Torq.	Ang.	Rot.	Type	Part #	Part #
Maxillary					.022 L	.022 R
ORTHOS 1 st Molar - bondable - Self-Ligation Buccal Tube	-10°	0°	+10°	Single	438-2113	438-2114
DAMON 1 st Molar - bondable - Self-Ligation Buccal Tube	-18°	0°	+12°	Single	438-2103	438-2104
Mandibular					.022 L	.022 R
ORTHOS 1 st Molar - bondable - Self-Ligation Buccal Tube	-22°	0°	0°	Single	438-2111	438-2112
DAMON 1 st Molar - bondable - Self-Ligation Buccal Tube	-28°	+2°	+2°	Single	438-2101	438-2102

TITANIUM BUCCAL TUBES

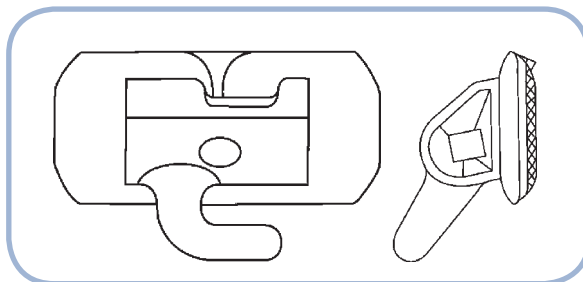
DESIGNED TO MAKE THE BONDING OF THE MOLARS EASIER AND MORE RELIABLE.



RELATIVE FRICTION OF
TITANIUM VS STAINLESS STEEL



- 4 **Funneled slot opening** - Easy wire engagement without added size
- 4 **Teardrop design** - Minimizes occlusal interference
- 4 **Handling notch** - Easy to hold with a cotton plier or bracket holder
- 4 **ID dot** - ID system compatible with Orthos™ Appliance
- 4 **Large pad size** - Added bond strength
- 4 **Biocompatible** - Nickel free
- 4 **Shock absorbance** - Absorbs half of the energy upon impact and transfers less force to the orthodontic bond interface
- 4 **Better adhesion** - Adhesives spread more easily & penetrates deeper into the mesh



Titanium Buccal Tubes are packaged in QUAD™ sticks, part of Ormco's new QUAD™ System. Quad™ not only organizes your inventory but also makes cases set-up easier and more efficient.

Tooth	Torq.	Ang.	Rot.	Type	Part #		Part #	
Maxillary					.018 L	.018 R	.022 L	.022 R
ORTHOS 1 st Molar - bondable - TITANIUM	-10°	0°	+10°	Single	448-1201	448-0201	449-1201	449-0201
ORTHOS 1 st Molar - bondable - TITANIUM Hook	-10°	0°	+15°	Single	448-2116	448-2016	449-2116	449-2016
DAMON 1 st Molar - bondable - TITANIUM	-18°	0°	+12°	Single			449-1011	449-0011
ORTHOS 2 nd Molar - bondable - TITANIUM	-10°	0°	+6°	Single	448-1202	448-0202	449-1202	449-0202
ORTHOS 2 nd Molar - bondable - TITANIUM Hook	-10°	0°	+15°	Single	448-2117	448-2017	449-2117	449-2017
DAMON 2 nd Molar - bondable - TITANIUM	-27°	0°	+6°	Single	448-1203	448-0203	449-1203	449-0203
Mandibular					.018 L	.018 R	.022 L	.022 R
ORTHOS 1 st Molar - bondable - TITANIUM	-22°	0°	0°	Single	448-1204	448-0204	449-1204	449-0204
ORTHOS 1 st Molar - bondable - TITANIUM	-22°	0°	+5°	Single	448-1206	448-0206	449-1206	449-0206
ORTHOS 1 st Molar - bondable - TITANIUM Hook	-10°	0°	0°	Single	448-2126	448-2026	449-2126	449-2026
DAMON 1 st Molar - bondable - TITANIUM	-28°	+2°	+2°	Single			449-1015	449-0015
ORTHOS 2 nd Molar - bondable - TITANIUM	-22°	0°	+5°	Single	448-1205	448-0205	449-1205	449-0205
ORTHOS 2 nd Molar - bondable - TITANIUM Hook	-10°	0°	+5°	Single	448-2127	448-2027	449-2127	449-2027

TITANIUM ORTHOS™

THE TWIN APPLIANCE THAT IMPROVES EVERY ASPECT OF CONVENTIONAL TREATMENT FROM START TO FINISH.

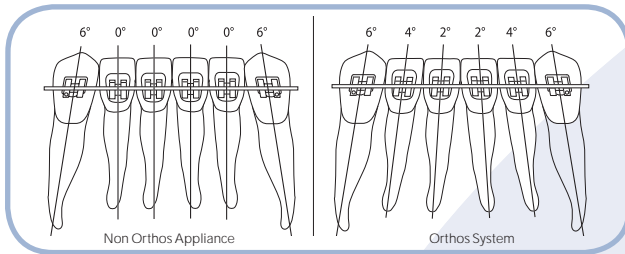
- ✦ Ideal 5-5 bracket positioning
- ✦ Up to 85% fewer bond failures
- ✦ Fewer detailing appointments
- ✦ Enhanced patient comfort
- ✦ Biocompatible and corrosion-free
- 4 Wide variety of prescription choices
- 4 Tooth-specific pad shapes and contours
- 4 Computer-engineered coordinated system of brackets and wires

"With Titanium Orthos, we experienced an 85% reduction in bond failures!"

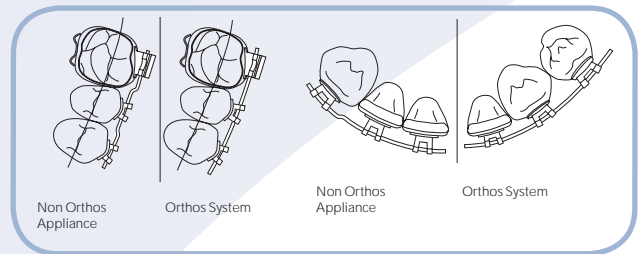
David M. Sarver, DMD, MS



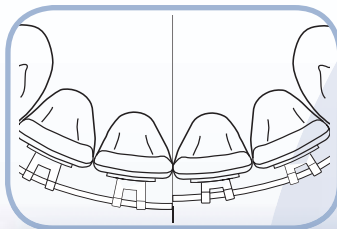
TITANIUM
ORTHOS™



Progressive distal root tip for ideal root alignment



Elimination of common first order bends



Low-profile lower anterior brackets for reduced occlusal interference and greater patient comfort



Gingivally offset tooth-shaped pads maximize bonding surface area without compromising placement accuracy

Tooth	Torq.	Ang.	CIS/DO*	Type	Part #		Part #	
Maxillary					.018 L	.018 R	.022 L	.022 R
Central	+15°	+5°	0°	Twin	448-6111	448-6110	449-6111	449-6110
Lateral	+9°	+9°	-4.5°	Twin	448-6211	448-6210	449-6211	449-6210
Cuspid	-3°	+10°	0°	Twin	448-6311	448-6310	449-6311	449-6310
Cuspid - Hook	-3°	+10°	0°	Twin	448-7311	448-7310	449-7311	449-7310
1 st Bicuspid	-6°	0°	0°	Twin, G/O	448-6411	448-6410	449-6411	449-6410
1 st Bicuspid - Hook	-6°	0°	0°	Twin, G/O	448-6413	448-6412	449-6413	449-6412
2 nd Bicuspid	-8°	+4°	0°	Twin, G/O	448-6511	448-6510	449-6511	449-6510
2 nd Bicuspid - Hook	-8°	+4°	0°	Twin, G/O	448-6513	448-6512	449-6513	449-6512
Mandibular					.018 L	.018 R	.022 L	.022 R
Central	-5°	+2°	0°	Twin	448-6615	448-6610	449-6615	449-6610
Lateral	-5°	+4°	-4.5°	Twin	448-6625	448-6620	449-6625	449-6620
Cuspid	-6°	+6°	-4.5°	Twin	448-6711	448-6710	449-6711	449-6710
Cuspid - Hook	-6°	+6°	-4.5°	Twin	448-7711	448-7710	449-7711	449-7710
1 st Bicuspid	-7°	-3°	0°	Twin, G/O	448-6813	448-6812	449-6813	449-6812
1 st Bicuspid - Hook	-7°	-3°	0°	Twin, G/O	448-6815	448-6814	449-6815	449-6814
2 nd Bicuspid	-9°	-3°	0°	Twin, G/O	448-6911	448-6910	449-6911	449-6910
2 nd Bicuspid - Hook	-9°	-3°	0°	Twin, G/O	448-6913	448-6912	449-6913	449-6912



Titanium Orthos™ brackets are packaged in QUAD™ sticks, part of Ormco's revolutionary new QUAD™ System. QUAD™ not only organizes your inventory but also makes case setup easier and more efficient.

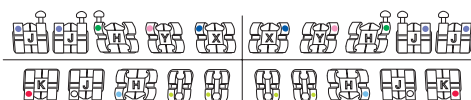
SYNTHESIS™

THE NEXT STEP IN THE EVOLUTION OF THE GENUINE STRAIGHT-WIRE APPLIANCE.

- 4 **Compound contour** – each bracket mirrors the anatomy of the middle third of each corresponding tooth to ensure accurate placement and snug fit.
- 4 **Torque in Base** – the center of the slot and the center of the base are always on the same plane. For consistent, reliable bracket placement and level slot lineup.
- 4 **Rhomboid design throughout the System** – provide numerous references for accurate bracket placement. The vertical components of the bracket and pad align parallel to the crown long axis of the tooth. The horizontal components of the bracket slot and occlusal plane of the tooth.
- 4 **Improved Bond Retention** – Optimesh XRT™ is a treated 100-gauge pad that creates additional undercuts and increases the bonding surface area for a 35% improvement in bond strength.
- 4 **Level Slot Line-up** – assures the slot of the bracket will always be parallel to the occlusal plane of the arch, eliminating time-consuming wire bends.



STRAIGHT•WIRE
SYNTHESIS™



The color identification on the D-G tie-wing and the letter marking on the base provide convenience and ease-of-use.

Tooth	Torq.	Ang.	Rot.	Type	Part #		Part #	
Maxillary					.018 L	.018 R	.022 L	.022 R
Central	+7°	+5°	0°	Twin	338-0121	338-0120	339-0121	339-0120
Central	+12°	+5°	0°	Twin	338-0111	338-0110	339-0111	339-0110
Central	+17°	+5°	0°	Twin	338-0141	338-0140	339-0141	339-0140
Lateral	+3°	+9°	0°	Twin	338-0221	338-0220	339-0221	339-0220
Cuspid - Hook	-2°	+9°	+4°	Twin	338-1351	338-1350	339-1351	339-1350
Cuspid	-2°	+13°	+4°	Twin	338-0311	338-0310	339-0311	339-0310
Cuspid - Hook	-2°	+13°	+4°	Twin	338-1311	338-1310	339-1311	339-1310
Cuspid	-7°	+11°	0°	Twin	338-0321	338-0320	339-0321	339-0320
Cuspid - Hook	-7°	+11°	0°	Twin	338-1321	338-1320	339-1321	339-1320
Bicuspid	-7°	0°	+2°	Twin, G/O	338-0511	338-0510	339-0511	339-0510
Bicuspid - Hook	-7°	0°	+2°	Twin, G/O	338-1511	338-1510	339-1511	339-1510
Mandibular					.018 L	.018 R	.022 L	.022 R
Anteriors	-1°	+2°	0°	Twin	338-0011	338-0010	339-0011	339-0010
Anteriors	-6°	+2°	0°	Twin	338-0021	338-0020	339-0021	339-0020
Cuspid	-11°	+7°	+2°	Twin	338-0411	338-0410	339-0411	339-0410
Cuspid - Hook	-11°	+7°	+2°	Twin	338-1411	338-1410	339-1411	339-1410
1 st Bicuspid	-17°	-1°	+4°	Twin, G/O	338-0611	338-0610	339-0611	339-0610
1 st Bicuspid - Hook	-17°	-1°	+4°	Twin, G/O	338-1611	338-1610	339-1611	339-1610
2 nd Bicuspid	-22°	-1°	+4°	Twin, G/O	338-0711	338-0710	339-0711	339-0710
2 nd Bicuspid - Hook	-22°	-1°	+4°	Twin, G/O	338-1711	338-1710	339-1711	339-1710



ICE™

THE CLEAR CHOICE.

- ✦ Patented crystal-clear sapphire for uncompromising aesthetics
- ✦ Smooth, rounded edges for maximum patient comfort
- ✦ Superior sliding mechanics over metal-slotted ceramic brackets
- ✦ Maximum tie-wing strength
- ✦ Tooth-specific pad contours and rhomboid shape for fast, accurate placement
- ✦ Patented ball-base for easy debonding
- ✦ True twin bracket with ample under-tie-wing area for easy ligation



Please also see:

www.iceclearbraces.com



Tooth	Torque	Ang.	Rot.	Part #		Part #	
Maxillary				.018 L	.018 R	.022 L	.022 R
Central – super	+22°	+5°	0°	443-0143	443-0142	444-0143	444-0142
Central – high	+17°	+5°	0°	443-0141	443-0140	444-0141	444-0140
Central – standard	+12°	+5°	0°	443-0111	443-0110	444-0111	444-0110
Lateral – super	+14°	+8°	0°	443-0243	443-0242	444-0243	444-0242
Lateral – high	+10°	+9°	0°	443-0241	443-0240	444-0241	444-0240
Lateral – standard	+8°	+9°	0°	443-0211	443-0210	444-0211	444-0210
Cuspid – high	+7°	+10°	4°	443-0343	443-0342	444-0343	444-0342
Cuspid – standard	-2°	+13°	4°	443-0311	443-0310	444-0311	444-0310
Cuspid – low angulation	-2°	+9°	4°	443-0351	443-0350	444-0351	444-0350
Cuspid with hook – super	+7°	+10°	4°	443-1343	443-1342	444-1343	444-1342
Cuspid with hook – high	+3°	+9°	4°	443-1341	443-1340	444-1341	444-1340
Cuspid with hook – standard	-2°	+13°	4°	443-1311	443-1310	444-1311	444-1310
Cuspid with hook – low angulation	-2°	+9°	4°	443-1351	443-1350	444-1351	444-1350
Bicuspid	-7°	0°	2°	443-0511	443-0510	444-0511	444-0510
Bicuspid – hook	-7°	0°	2°	443-1511	443-1510	444-1511	444-1510
Mandibular				.018 L	.018 R	.022 L	.022 R
Anterior	-1°	0°	0°	443-0011 / Universal		444-0011 / Universal	
Cuspid	-11°	+7°	2°	443-0411	443-0410	444-0411	444-0410
Cuspid – hook	-11°	+7°	2°	443-1411	443-1410	444-1411	444-1410
1 st Bicuspid	-17°	-1°	4°	443-0611	443-0610	444-0611	444-0610
1 st Bicuspid – hook	-17°	-1°	4°	443-1611	443-1610	444-1611	444-1610
2 nd Bicuspid	-22°	-1°	4°	443-0711	443-0710	444-0711	444-0710
2 nd Bicuspid – hook	-22°	-1°	4°	443-1711	443-1710	444-1711	444-1710
Single-Patient Kits – available in standard prescription				.018		.022	
Upper/Lower 5 – 5, hooks on cuspids				746-4307		746-4407	
Upper/Lower 5 – 5, no hooks				746-4306		746-4406	
Upper 5 – 5/Lower 3 – 3, hooks on cuspids				746-4303		746-4403	
Upper 5 – 5/Lower 3 – 3, no hooks				746-4305		746-4405	
Upper 5 – 5, hooks on cuspids				746-4301		746-4401	
Upper /Lower 3 – 3, hooks on cuspids				746-4302		746-4402	
Upper/Lower 3 – 3, no hooks				746-4304		746-4404	



Inspire ICE™ brackets are packaged in QUAD™ sticks, part of Ormco's revolutionary new QUAD™ System. QUAD™ not only organizes your inventory but also makes case setup easier and more efficient.

CRYSTAL CLEAR

Unlike ceramic brackets that are opaque and colored to mimic a particular tooth shade, ICE™ brackets are crystal clear and virtually disappear regardless of tooth shade. ICE™ is the only true aesthetic solution for ALL patients. That's why 96% of patients surveyed* chose ICE™ over other ceramic brackets.

* 100 patients surveyed. Data on file.



MAXIMUM TIE-WING STRENGTH

Advances in heat-treatment technology allow us to produce brackets that are twice as resistant to breakage as other ceramic appliances. Torque strength is nearly three times that of other ceramic brackets.

AVERAGE TORQUE STRENGTH (Nm)



SMOOTH AND COMFORTABLE

ICE™ is the lowest profile ceramic bracket on the market and is manufactured with an innovative boron tumbling process that provides a smooth surface and rounded facial contours to greatly enhance patient comfort.



EASY TO DEBOND

Ormco's patented ball-base design reduces the force required to debond. A simplified debonding procedure ensures that brackets come off easily and consistently. Simply engage the ICE™ debonding instrument under the tie-wing area and pivot the instrument toward the occlusal/incisal edge.



EXCELLENT SLIDING MECHANICS

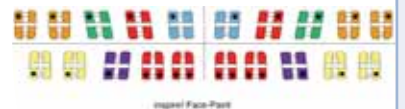
ICE™ has an ultra-smooth, heat-polished surface that dramatically reduces friction over any polycrystalline-slotted bracket. In fact, laboratory tests prove the frictional resistance of ICE™ to be better than ceramic brackets with a metal-slot insert.

Note: Testing performed with .017 x .025 Copper Ni-Ti® and TMA® archwires in .018 slot brackets.



FAST, ACCURATE PLACEMENT

Ormco's rhomboid shape, tooth-specific pad contours and unique Face Paint™ system for bracket-to-tooth contrast provide fast, accurate bracket placement. New lower bicuspid brackets offer patients a complete 20-unit aesthetic option.



ARCHWIRES

ARE NOT ALL CREATED EQUAL.

COPPER NI-TI® – NOTHING ELSE LIKE IT

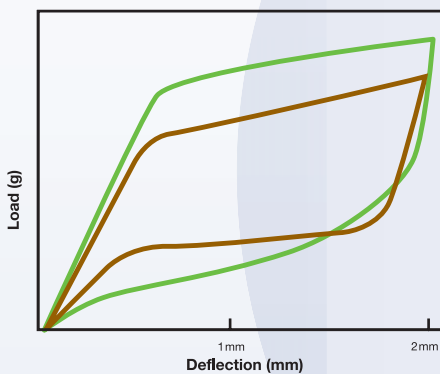
The addition of copper in Ormco's patented Copper Ni-Ti® wire enhances the thermal-reactive properties of nickel-titanium to deliver optimal forces and unmatched tooth movement efficiency. Copper is just the beginning.



- 4 Unloading (springback) properties facilitate fast, efficient tooth movement.
- 4 A unique unloading profile provides continuous forces, even at very small deflections (Fig. A).
- 4 More resistant to permanent deformation than other nickel-titanium wires.
- 4 Batch-to-batch consistency, with a very precise temperature range, ensures true heat activation and consistent, predictable results (Fig. B).
- 4 Easy to engage, even in the most severe cases.
- 4 A wide range of transformation temperatures are offered to treat any type of case.
- 4 Copper Ni-Ti wires are available in a variety of arch forms: Damon™, Orthos®, Broad Arch and Tru-Arch®.
- 4 Damon™ Copper Ni-Ti archwires now feature preloaded stops for added convenience and comfort.

COMPARING LOADING/UNLOADING CURVES*

(13.5mm span at 37°C)

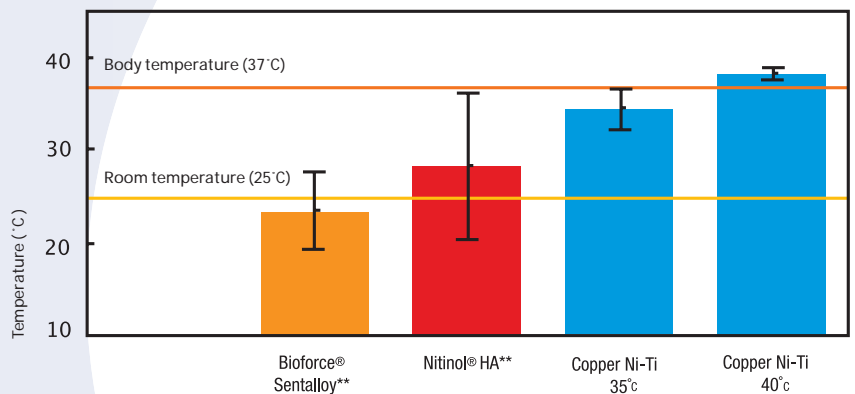


- Copper Ni-Ti 35°C .017 x .025
- Neo Sentalloy .017 x .025

* Data taken from AJODO 2001; 119: 263-73

Fig. A – Initial deflection force is lower with Copper Ni-Ti, making it easier to engage severely malposed teeth. As the wire springs back, more-consistent forces are maintained, even in minor deflections.

TRANSFORMATION TEMPERATURE WITH STANDARD DEVIATIONS*



* Data available on request.

** Bioforce is a registered trademark of GAC Corp. Nitinol is a registered trademark of 3M Corp.

Fig. B – Most so-called heat-activated wires have wide manufacturing tolerances, forcing their transformations to be set near room temperature. Thus they are fully active well before insertion in the mouth. The precision of Copper Ni-Ti allows the wire to be easily engaged before full activation at body temperature, thus true heat activation.

IDEAL WIRES

FOR EVERY PHASE OF TREATMENT.

INITIAL STAGE

COPPER NI-TI® – Optimal force for efficient tooth movement

- Easy to engage even in the most severe cases
- Highly resistant to permanent deformation
- More-consistent forces over long activation periods
- Damon™ Copper Ni-Ti® now feature preloaded stops

27°C Copper Ni-Ti*

Broad Arch	.014	.016	.018	.016x.022	.017x.025	.019x.025
Upper Small	205-0040	205-0044	205-0048	210-0902	210-0903	210-0905
Upper Large	205-0041	205-0045	205-0049	210-0912	210-0913	210-0915
Lower Small	205-0042	205-0046	205-0050	211-0902	211-0903	211-0905
Lower Large	205-0043	205-0047	205-0051	211-0912	211-0913	211-0915
Orthos Arch			.018			
Upper Small			219-0204			
Upper Large			219-0404			
Lower Small			219-0104			
Lower Large			219-0304			

35°C Copper Ni-Ti*

Broad Arch	.016	.018	.017x.017	.020x.020	.016x.022	.017x.025	.019x.025	.021x.025
Upper Small	205-0064	205-0068	210-0921	210-0927	210-0922	210-0923	210-0925	210-0926
Upper Large	205-0065	205-0069	210-0931	210-0937	210-0932	210-0933	210-0935	210-0936
Lower Small	205-0066	205-0070	211-0921	211-0927	211-0922	211-0923	211-0925	211-0926
Lower Large	205-0067	205-0071	211-0931	211-0937	211-0932	211-0933	211-0935	211-0936
Orthos Arch	.016	.018	.017x.017	.020x.020	.016x.022	.017x.025	.019x.025	.021x.025
Upper Small	219-4203	219-4204	219-4209	219-4211	219-4208	219-4210	219-4212	219-4213
Upper Large	219-4403	219-4404	219-4409	219-4411	219-4408	219-4410	219-4412	219-4413
Lower Small	219-4103	219-4104	219-4109	219-4111	219-4108	219-4110	219-4112	219-4113
Lower Large	219-4303	219-4304	219-4309	219-4311	219-4308	219-4310	219-4312	219-4313

INTERMEDIATE/FINISHING STAGE

TMA® – Medium stiffness for efficient working mechanics

- Twice the working range with half the stiffness of stainless steel
- Ideal working archwire to follow up Copper Ni-Ti
- Optimum torque control, curve of Spee, arch form and finishing
- Damon™ arch form now available

TMA*

Broad Arch	.016	.018	.0175x.0175	.016x.022	.017x.025	.019x.025	.021x.025
Upper Small	210-0301	210-0302	210-0401	210-0402	210-0403	210-0404	210-0405
Upper Large	210-0311	210-0312	210-0411	210-0412	210-0413	210-0414	210-0415
Lower Small	211-0301	211-0302	211-0401	211-0402	211-0403	211-0404	211-0405
Lower Large	211-0311	211-0312	211-0411	211-0412	211-0413	211-0414	211-0415
Orthos Arch				.016x.022	.017x.025	.019x.025	.021x.025
Upper Small				219-2208	219-2210	219-2212	219-2213
Upper Large				219-2408	219-2410	219-2412	219-2413
Lower Small				219-2108	219-2110	219-2112	219-2113
Lower Large				219-2308	219-2310	219-2312	219-2313

FINISHING STAGE

Stainless Steel – The reliable finishing wire

- Superior quality
- Excellent strength and rigidity
- Smooth polished surface
- Damon™ stainless steel now available

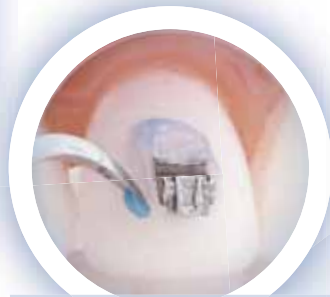
Stainless Steel

Broad Arch	.014	.016	.018	.016x.022	.017x.022	.017x.025	.018x.022	.018x.025	.019x.025
Upper Small	210-0024	210-0026	210-0028	210-0701		210-0702		210-0703	210-0704
Upper Large	210-0124	210-0126	210-0128	210-0711		210-0712		210-0713	210-0714
Lower Small	211-0024	211-0026	211-0028	211-0701		211-0702		211-0703	211-0704
Lower Large	211-0124	211-0126	211-0128	211-0711		211-0712		211-0713	211-0714
Orthos Arch	.014	.016	.018	.016x.022	.017x.022	.017x.025	.018x.022	.018x.025	.019x.025
Upper Small		219-1570	219-1571	219-1208		219-1210		219-1211	219-1212
Upper Large		219-1590	219-1591	219-1408		219-1410		219-1411	219-1412
Lower Small		219-1560	219-1561	219-1108		219-1110		219-1111	219-1112
Lower Large		219-1580	219-1581	219-1308		219-1310		219-1311	219-1312
Straight Lengths					.017x.022	.017x.025	.018x.022	.018x.025	.019x.025
14" Straight Lengths					254-1722	254-1725	254-1822	254-1825	254-1925

BLUGLOO™

SEE WHAT YOU'VE BEEN MISSING!

Blugloo is the first and only adhesive that provides color contrast at bonding and debonding but is clear throughout treatment. Bracket placement and cleanup have never been easier! Blugloo's advanced formulation is optimized for aesthetic brackets such as Damon™ 3, but it's also excellent for metal brackets.



Now You See it!
Blue at bonding



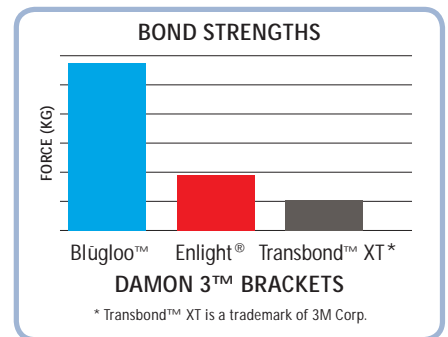
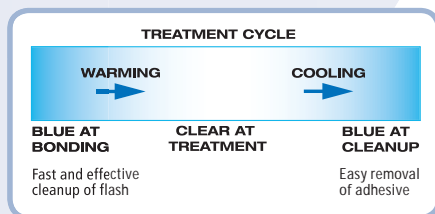
Now You Don't
Clear at treatment



Now You See it!
Blue at cleanup



blugloo™
TWO-WAY COLOR CHANGE ADHESIVE



Ordering Information

Syringe Kit	740-0274	Unidose™ Kit	740-0275
Contains:		Contains	
2 Syringes (4g)	740-0272	4 Unidose 10-packs (8g total),	740-0273
1 Bottle Ortho Solo™ Primer (5ml)	740-0271	1 Bottle Ortho Solo™ Primer (5ml)	740-0271
1 Bottle Etching Solution (10ml)	740-0038	1 Bottle Etching Solution (10ml)	740-0038
Sealant Applicator Brushes	740-0124	Sealant Applicator Brushes	740-0124
Spatulas	740-0075	Spatulas	740-0075
		1 Unidose® Dispensing Gun	740-0197

ORTHO SOLO™

A SMALL PRODUCT THAT CAN HAVE A MASSIVE IMPACT ON YOUR PRACTICE.

Ortho Solo™ - A unique bond enhancer that will maximize your efficiency and profit within your practice. It offers optimum bond strength coupled with fluoride releasing properties which drastically reduces the possibility of decalcification.

- 4 **Increased Strength** – Ortho Solo™ is 24% filled. Less micro-leakage
- 4 **Moisture Displacing** – Ethanol solvent, less technique sensitive than acetone based products
- 4 **Optimal Viscosity** – Ease of application, reduces bracket drift
- 4 **Efficient** – **No** air dry **OR** light cure step
- 4 **Universal** – Can be used with all adhesives
- 4 **Availability** – A 5ml bottle or individual patient Ortho Solo™ sticks



Ordering Information

Ortho Solo™ Sticks Pk/10	740-0269
Ortho Solo™ Introduction Kit	740-0270
<i>Contains:</i>	
Ortho Solo™ (four 5 ml bottles)	
Applicator Brushes (75)	740-0041
Disposable Wells (1 pkg)	
Instructions	070-0440
Ortho Solo™ Refill	740-0271
<i>Contains:</i>	
Ortho Solo™ (one 5 ml bottle)	



OrthoSOLO™Stick

CUSTOMER SERVICE

TOLL FREE UNITED KINGDOM, THE NETHERLANDS, SWITZERLAND:

☎ **00800 3032 3032**

☎ **00800 5000 4000**

TOLL FREE IRELAND:

☎ **1 800 552 156**

☎ **1 800 552 155**

www.ormcoeurope.com

CustomerService@ormcoeurope.com

Part. No. 762-0000