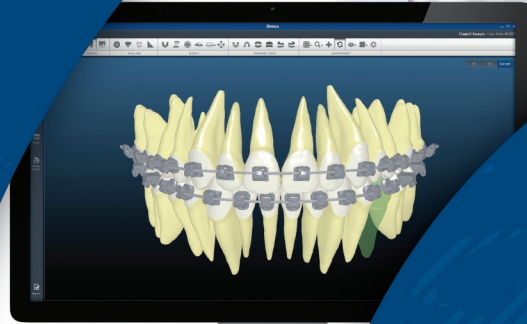


# Ormco™

Your Practice. Our Priority.



## PRODUCT CATALOG



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# 1

# Appliance Systems

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# DAMON™ SYSTEM

## Your Best Face Forward

The Damon System is a proven combination of passive self-ligating brackets, high-tech archwires and minimally invasive treatment protocols designed as a gentle, light force system with benefits that are more than just straight teeth. With the Damon System, doctors are able to employ face driven, streamlined mechanics to provide the treatment experience patients appreciate – beautiful faces and broad smiles, with fewer office visits and greater comfort. More than 5 million patients have been treated with the Damon System and thousands of orthodontists around the world continue to rely on the system for its remarkable advantages for doctors and patients. Available in metal and aesthetic bracket options, the Damon System allows you to treat a wide variety of cases with outstanding results so your practice and your patients can put their best face forward.



### CAN YOU SEE WHO'S WEARING DAMON CLEAR BRACES?



“I loved my Damon™ Clear braces...people didn't even know that I had anything on my teeth. I now feel comfortable knowing my teeth look great.”

— Christine, Damon Clear patient

Damon patients treated by Dr. Todd Bovenizer

# DAMON™ Q

Damon Q is an essential part of the Damon™ System, a proven combination of passive self-ligating brackets, high-tech archwires and minimally invasive treatment protocols with benefits that are more than just straight teeth. Whether you are new to self-ligation or an experienced user, Damon Q is designed to provide efficient, controlled tooth movement with remarkable clinical results.



## RELIABILITY & DURABILITY

- Four walls with optimized slot depths for improved rotation control and efficient tooth movement
- Stainless steel 17-4 metal-injection molded construction for strength and durability



## EASE OF USE

- Innovative SpinTek™ slide with chamfered lingual leading edge facilitates easy slide closure and wire engagement throughout all phases of treatment

### EASY TO OPEN



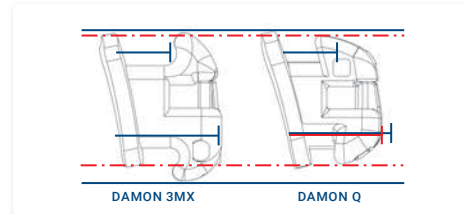
## EFFICIENCY

- Horizontal and vertical auxiliary slots for greater versatility
- Rhomboid-shaped bracket and pad, and vertical scribe line guide precision bracket placement



## COMFORT & AESTHETICS

- Small bracket profile and size with smooth, rounded corners help prevent occlusal interference while offering greater comfort and aesthetics



The profile and occlusal-lingual dimensions of Damon Q are significantly smaller compared with Damon 3MX and other brackets.

## BRACKET IDENTIFICATION

Colored ID dots are located on tie wings of each bracket. A Permanent ID marking (International System) is also molded in the base of the slot.



5	4	3	2	1	1	2	3	4	5
●	●	●	●	●	●	●	●	●	●
○	○	○	○	○	○	○	○	○	○
5	4	3	2	1	1	2	3	4	5

### Torque Value Identification

**Green:** Low Torque **Blue:** Standard Torque **Red:** High Torque  
All Damon brackets - Slot base marking, plus (+) = high torque, minus (-) = low torque.

## DAMON Q (Available in Quad™ packaging, 10ea.)

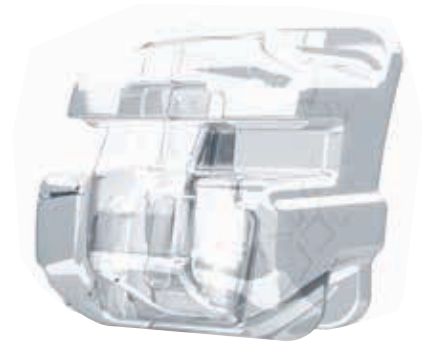
tooth	torque	angulation	rotation	bracket type	part numbers	
<b>MAXILLARY</b>					<b>.022L</b>	<b>.022R</b>
Central	+2°	+5°	0°	Low	491-6463	491-6462
Central	+15°	+5°	0°	Standard	491-6461	491-6460
Central	+22°	+5°	0°	High	491-6467	491-6466
Lateral	-5°	+9°	0°	Low	491-6473	491-6472
Lateral	+6°	+9°	0°	Standard	491-6471	491-6470
Lateral	+13°	+9°	0°	High	491-6475	491-6474
Cuspid	-9°	+5°	0°	Low	491-6483	491-6482
Cuspid with Hook	-9°	+5°	0°	Low	491-7683	491-7682
Cuspid	+7°	+5°	0°	Standard	491-6481	491-6480
Cuspid with Hook	+7°	+5°	0°	Standard	491-7681	491-7680
Cuspid	+11°	+5°	0°	High	491-6485	491-6484
Cuspid with Hook	+11°	+5°	0°	High	491-7685	491-7684
Bicuspid	-11°	+2°	0°		491-6491	491-6490
Bicuspid – G/O	-11°	+2°	0°		491-6591	491-6590
Bicuspid – Weldable	-11°	+2°	0°		161-8491	161-8490
1st & 2nd Bicuspid w/ Hook	-11°	+2°	0°		491-7691	491-7690
1st & 2nd Bicuspid w/ Hook – G/O	-11°	+2°	0°		491-7791	491-7790
<b>MANDIBULAR</b>					<b>.022L</b>	<b>.022R</b>
Central	-11°	+2°	0°	Low	491-6415	491-6414
Central	-3°	+2°	0°	Standard	491-6411	491-6410
Lateral	-11°	+4°	0°	Low	491-6425	491-6424
Lateral	-3°	+4°	0°	Standard	491-6421	491-6420
Cuspid	0°	+5°	0°	Low	491-6433	491-6432
Cuspid with Hook	0°	+5°	0°	Low	491-7633	491-7632
Cuspid	+7°	+5°	0°	Standard	491-6431	491-6430
Cuspid with Hook	+7°	+5°	0°	Standard	491-7631	491-7630
Cuspid	+13°	+5°	0°	High	491-6435	491-6434
Cuspid with Hook	+13°	+5°	0°	High	491-7635	491-7634
1st Bicuspid	-12°	+4°	0°	Standard	491-6441	491-6440
1st Bicuspid with Hook	-12°	+4°	0°	Standard	491-7641	491-7640
1st Bicuspid	-5°	+4°	0°	High	491-6443	491-6442
1st Bicuspid with Hook	-5°	+4°	0°	High	491-7643	491-7642
1st Bicuspid – G/O	-12°	+4°	0°	Standard	491-6541	491-6540
1st Bicuspid w/ Hook – G/O	-12°	+4°	0°	Standard	491-7741	491-7740
1st Bicuspid – G/O	-5°	+4°	0°	High	491-6543	491-6542
1st Bicuspid w/ Hook – G/O	-5°	+4°	0°	High	491-7743	491-7742
1st Bicuspid – Weldable	-12°	+4°	0°	Standard	161-8441	161-8440
1st Bicuspid – Weldable	-5°	+4°	0°	High	161-8443	161-8442
2nd Bicuspid	-17°	+4°	0°		491-6451	491-6450
2nd Bicuspid with Hook	-17°	+4°	0°		491-7651	491-7650
2nd Bicuspid – G/O	-17°	+4°	0°		491-6551	491-6550
2nd Bicuspid with Hook – G/O	-17°	+4°	0°		491-7751	491-7750
2nd Bicuspid – Weldable	-17°	+4°	0°		161-8451	161-8450

## BUCCAL TUBES

tooth	torq.	ang.	rot.	part numbers		tooth	torq.	ang.	rot.	part numbers			
<b>MAXILLARY</b>					<b>.022L</b>	<b>.022R</b>	<b>MANDIBULAR</b>					<b>.022L</b>	<b>.022R</b>
1st Molar – SnapLink™ Tube	-18°	0°	+12°	438-2161	438-2160	1st Molar – SnapLink™ Tube	-28°	+2°	+2°	438-2191	438-2190		
1st Molar – SL Buccal Tube	-18°	0°	+12°	438-2103	438-2104	1st Molar – SL Buccal Tube	-28°	+2°	+2°	438-2101	438-2102		
1st Molar – SL Buccal Tube – Weldable	-18°	0°	+12°	513-1243	513-1244	1st Molar – SL Buccal Tube – Weldable	-28°	+2°	+2°	513-1241	513-1242		
1st Molar – Accent™ Mini Tube	-18°	0°	+12°	515-0163	513-0162	1st Molar – Accent™ Mini Tube	-28°	0°	+10°	513-0165	513-0164		
2nd Molar – Accent Mini Tube	-27°	0°	+6°	513-0171	513-0170	2nd Molar – Accent Mini Tube	-10°	0°	0°	513-0173	513-0172		
2nd Molar – Titanium Tube	-27°	0°	+6°	449-1203	449-0203	2nd Molar – Titanium Tube	-10°	0°	+5°	449-2127	449-2027		
2nd Molar – Damon™ Tube (Stainless Steel)	-27°	0°	+10°	438-2105	438-2106								

# DAMON™ CLEAR2

Damon Clear2 is an essential part of the Damon System. Offering the same crystal clear performance with more control, Damon Clear2 allows you to treat a wide variety of cases with outstanding results so your practice and your patients can put their best face forward.

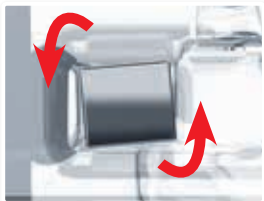


## CLEAR PERFORMANCE

- 100% clear passive self-ligating bracket body and slide for the supreme aesthetics patients demand
- Polycrystalline alumina (PCA) material is resistant to staining from coffee, mustard, red wine and other agents
- Passive self-ligation technology eliminates the need for elastomerics, which are known to stain and collect bacteria during treatment

## GREATER CONTROL AND RELIABILITY

- Improved precision slot on Damon Clear2 brackets (upper 3-3 variable torques) provides 2x the rotational control\* for meticulous finishing and efficient treatment
- Sturdy construction with fortified slide, window channel and tie-wings for exceptional strength and durability
- Customized base design with patented laser-etched base provides optimal bond strength for greater reliability



Damon Clear2 Variable Torque available for upper 3-3 brackets

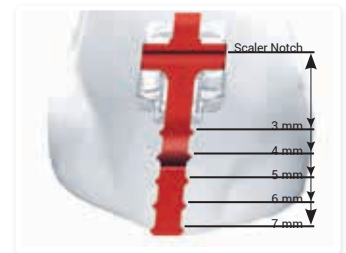
## EASE OF USE AND COMFORT

- Innovative SpinTek™ slide facilitates easy slide closure and wire engagement throughout all phases of treatment for fast and comfortable wire changes and adjustments
- Fast, comfortable debonding experience for patients when using the Damon Clear Debonding Instrument; Less susceptible to bracket fractures during removal for improved safety, no flash removal using a burr or scaler required for improved efficiency



## PRECISION BRACKET PLACEMENT

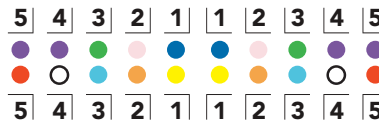
- Removable positioning gauge with scaler notch and rhomboid-shaped brackets and base guide bracket placement
- Color-coded positioning gauges on brackets (3-3) denote torque values



\* As compared to Damon Clear, upper 3-3 brackets. Data on file.

## BRACKET IDENTIFICATION

Colored ID dots are located on tie wings of each bracket. A Permanent ID marking (International System) is also molded in the base of the slot.



## Torque Value Identification

**Green:** Low Torque **Blue:** Standard Torque **Red:** High Torque

All Damon brackets - Slot base marking, plus (+) = high torque, minus (-) = low torque.

## DAMON CLEAR2\* AND DAMON CLEAR (Available in Quad™ packaging, 10ea.)

tooth	torque	angulation	rotation	in/out	bracket type	part numbers	
<b>MAXILLARY</b>						<b>.022L</b>	<b>.022R</b>
*Central	+2°	+5°	0°	.040"	Low	497-6563	497-6562
*Central	+15°	+5°	0°	.040"	Standard	497-6561	497-6560
*Central	+22°	+5°	0°	.040"	High	497-6567	497-6566
*Lateral	-5°	+9°	0°	.043"	Low	497-6573	497-6572
*Lateral	+6°	+9°	0°	.043"	Standard	497-6571	497-6570
*Lateral	+13°	+9°	0°	.043"	High	497-6575	497-6574
*Cuspid	+7°	+5°	0°	.030"	Standard	497-6581	497-6580
*Cuspid - Hook	+7°	+5°	0°	.030"	Standard	497-7581	497-7580
*Cuspid - Hook	+11°	+5°	0°	.030"	High	497-7585	497-7584
Bicuspid	-11°	+2°	0°	.030"	Standard	497-6491	497-6490
Bicuspid - Hook	-11°	+2°	0°	.030"	Standard	497-7491	497-7490
<b>MANDIBULAR</b>						<b>.022L</b>	<b>.022R</b>
Central	-3°	+2°	0°	.0445"	Standard	497-6411	497-6410
Lateral	-3°	+4°	0°	.0445"	Standard	497-6421	497-6420
Cuspid	+7°	+5°	0°	.0315"	Standard	497-6431	497-6430

\* Damon Clear2

## BUCCAL TUBES

tooth	torque	angulation	rotation	part numbers	
<b>MAXILLARY</b>				<b>.022L</b>	<b>.022R</b>
1st Molar - SnapLink™ Tube	-18°	0°	+12°	438-2161	438-2160
1st Molar - SL Buccal Tube	-18°	0°	+12°	438-2103	438-2104
1st Molar - SL Buccal Tube - Weldable	-18°	0°	+12°	513-1243	513-1244
1st Molar - Accent™ Mini Tube	-18°	0°	+12°	515-0163	513-0162
2nd Molar - Accent Mini Tube	-27°	0°	+6°	513-0171	513-0170
2nd Molar - Titanium Tube	-27°	0°	+6°	449-1203	449-0203
2nd Molar - Damon™ Tube (Stainless Steel)	-27°	0°	+10°	438-2105	438-2106
<b>MANDIBULAR</b>				<b>.022L</b>	<b>.022R</b>
1st Molar - SnapLink Tube	-28°	+2°	+2°	438-2191	438-2190
1st Molar - SL Buccal Tube	-28°	+2°	+2°	438-2101	438-2102
1st Molar - SL Buccal Tube - Weldable	-28°	+2°	+2°	513-1241	513-1242
1st Molar - Accent Mini Tube	-28°	0°	+10°	513-0165	513-0164
2nd Molar - Accent Mini Tube	-10°	0°	0°	513-0173	513-0172
2nd Molar - Titanium Tube	-10°	0°	+5°	449-2127	449-2027



## DAMON CLEAR BRACKET DIMENSIONS

tooth	slot	mesial - distal	mesial-distal (incl. pad)	buccal - lingual (incl. pad)	occlusal - gingival (tie wing - tie wing)	occlusal - gingival (under tie wing)
<b>U1</b>	.022 x .028"	0.138"	0.138"	0.105"	0.156"	0.120"
<b>U2</b>	.022 x .028"	0.138"	0.138"	0.107"	0.156"	0.120"
<b>U3</b>	.022 x .028"	0.138"	0.138"	0.097"	0.156"	0.120"
<b>U4-U5</b>	.022 x .028"	0.138"	0.138"	0.103"	0.156"	0.120"

## DAMON™ SINGLE PATIENT KITS

Available in 10 different options, Damon Single Patient Kits feature high-end packaging that's appealing to your patients!

### DAMON SINGLE PATIENT KITS (Available in 5-5 and 7-7 Damon Q and Damon Clear2)

DESCRIPTION	Part Number
5-5 U/L Damon Q Single Patient Kit: Std Tq	740-1400
5-5 U/L Damon Q Single Patient Kit: U2-2 Low Tq	740-1401
5-5 U/L Damon Q Single Patient Kit: U3-3 High Tq, L2-2 Low Tq	740-1402
7-7 U/L Damon Q Single Patient Kit: Std Tq, Snaplink & Ti Tubes	740-1403
7-7 U/L Damon Q Single Patient Kit: U2-2 Low Tq, Snaplink & Ti Tubes	740-1404
7-7 U/L Damon Q Single Patient Kit: U3-3 High Tq, L2-2 Low Tq, Snaplink & Ti Tubes	740-1405
7-7 U/L Damon Clear2 (U3-3), Damon Q & Damon Clear (L3-3) Single Patient Kit: Std Tq, Snaplink & Ti Tubes*	740-1406
5-5 U/L Damon Clear2 (U3-3), Damon Q & Damon Clear (L3-3) Single Patient Kit: Std Tq*	740-1407
5-5 U/L Damon Clear2 (U3-3), Damon Clear (U4&5/L3-3) & Damon Q Single Patient Kit: Std Tq*	740-1408
7-7 U/L Damon Clear2 (U3-3), Damon Clear (U4&5/L3-3) & Damon Q Single Patient Kit: Std Tq, Snaplink & Ti Tubes*	740-1409

Note: When bracket torque is not specified, standard torque brackets are used.

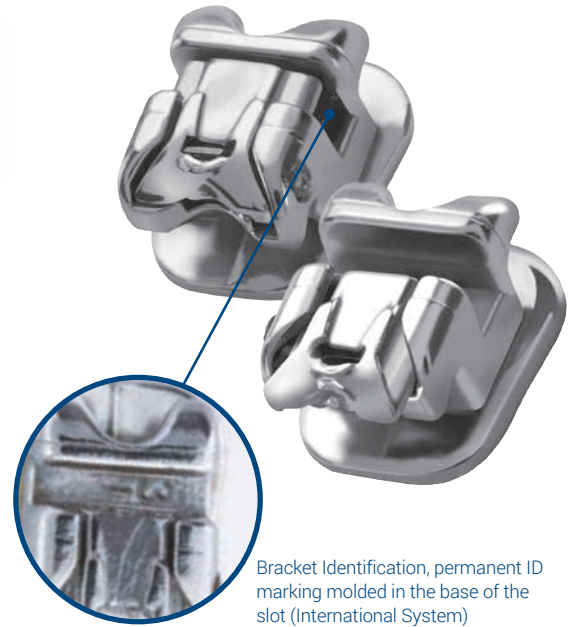
\* Hooks on upper cuspid Damon Clear2 brackets



# DAMON™ 3MX

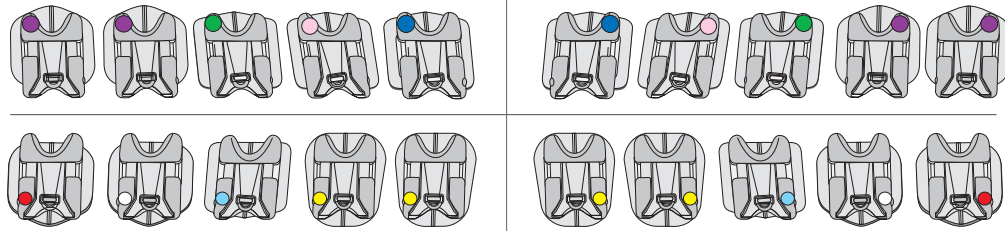
## EXTRAORDINARY STRENGTH

- Stainless steel 17-4 metal-injection molded (MIM) construction
- Passive self-ligation technology with four solid walls for efficient, low-friction tooth movement
- Easy-to-use slide mechanism with deep funnel and backstop for quick wire changes
- Smooth slot corners for reduced binding even in severe deflections
- Vertical slot for removable drop-in hooks and other auxiliaries
- Contoured base design for optimal bond retention



Bracket Identification, permanent ID marking molded in the base of the slot (International System)

## DAMON 3MX MARKING SYSTEM



	CENTRAL	LATERAL	CUSPID	1 <sup>st</sup> BICUSPID	2 <sup>nd</sup> BICUSPID
<b>UPPER*</b>	Dark Blue	Pink	Green	Purple	Purple
<b>High Torque**</b>	Red	Red	Red		
<b>Low Torque**</b>	Green	Green			
<b>LOWER*</b>	Yellow	Yellow	Light Blue	White	Red
<b>High Torque**</b>			Red		
<b>Low Torque**</b>	Green	Green			

\* ID dots are distinguishing on all brackets including high and low torques.

\*\* ID markings are located on center of slide.

## DAMON 3MX (Available in Quad™ packaging, 10ea.)

tooth	torque	angulation	rotation	bracket type	part numbers	
<b>MAXILLARY</b>					<b>.022L</b>	<b>.022R</b>
Central	+17°	+5°	0°	High	494-4465	494-4464
Central	+12°	+5°	0°	Standard	494-4461	494-4460
Central	+7°	+5°	0°	Low	494-4463	494-4462
Lateral	+10°	+9°	0°	High	494-4475	494-4474
Lateral	8°	+9°	0°	Standard	494-4471	494-4470
Lateral	+3°	+9°	0°	Low	494-4473	494-4472
Cuspid	+7°	+6°	0°	High	494-4483	494-4482
Cuspid	0°	+6°	0°	Standard	494-4481	494-4480
Bicuspid	-7°	+2°	0°		494-4491	494-4490
Bicuspid – G/O	-7°	+2°	0°		494-4493	494-4492
<b>Damon 3MX Drop-in Hooks, 30/pack</b>					242-0012	
<b>MANDIBULAR</b>					<b>.022L</b>	<b>.022R</b>
Anteriors	-1°	+2°	0°	Standard	494-4411	494-4410
Anteriors	-6°	+2°	0°	Low	494-4413	494-4412
Cuspid	+7°	+5°	0°	High	494-4433	494-4432
Cuspid	0°	+5°	0°	Standard	494-4431	494-4430
1st Bicuspid	-12°	+2°	0°		494-4441	494-4440
1st Bicuspid – G/O	-12°	+2°	0°		494-4443	494-4442
2nd Bicuspid	-17°	+2°	0°		494-4451	494-4450
2nd Bicuspid – G/O	-17°	+2°	0°		494-4453	494-4452
<b>Damon 3MX Drop-in Hooks, 30/pack</b>					242-0012	

\* Bondable tubes. Contact Ormco for weldable tube options.

## BUCCAL TUBES

tooth	torque	angulation	rotation	part numbers		
<b>MAXILLARY</b>					<b>.022L</b>	<b>.022R</b>
1st Molar - SnapLink™ Tube	-18°	0°	+12°	438-2161	438-2160	
1st Molar – SL Buccal Tube	-18°	0°	+12°	438-2103	438-2104	
1st Molar – SL Buccal Tube – Weldable	-18°	0°	+12°	513-1243	513-1244	
1st Molar – Accent™ Mini Tube	-18°	0°	+12°	515-0163	513-0162	
2nd Molar – Accent Mini Tube	-27°	0°	+6°	513-0171	513-0170	
2nd Molar – Titanium Tube	-27°	0°	+6°	449-1203	449-0203	
2nd Molar – Damon™ Tube (Stainless Steel)	-27°	0°	+10°	438-2105	438-2106	
<b>MANDIBULAR</b>					<b>.022L</b>	<b>.022R</b>
1st Molar - SnapLink Tube	-28°	+2°	+2°	438-2191	438-2190	
1st Molar – SL Buccal Tube	-28°	+2°	+2°	438-2101	438-2102	
1st Molar – SL Buccal Tube – Weldable	-28°	+2°	+2°	513-1241	513-1242	
1st Molar – Accent Mini Tube	-28°	0°	+10°	513-0165	513-0164	
2nd Molar – Accent Mini Tube	-10°	0°	0°	513-0173	513-0172	
2nd Molar – Titanium Tube	-10°	0°	+5°	449-2127	449-2027	

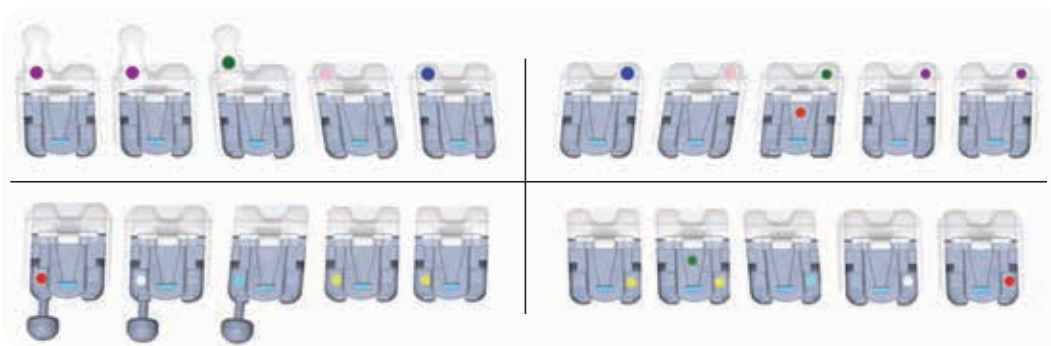
# DAMON™ 3

## EXTRAORDINARY BEAUTY

- A combination of clear material and stainless steel for aesthetics and strength
- Passive self-ligation technology with four solid walls for efficient, low-friction tooth movement
- Ultra-smooth contours and rounded edges



## DAMON 3 MARKING SYSTEM



	CENTRAL	LATERAL	CUSPID	1 <sup>st</sup> BICUSPID	2 <sup>nd</sup> BICUSPID
<b>UPPER*</b>	Dark Blue	Pink	Green	Purple	Purple
<b>High Torque**</b>	Red	Red	Red		
<b>Low Torque**</b>	Green	Green			
<b>LOWER*</b>	Yellow	Yellow	Light Blue	White	Red
<b>High Torque**</b>			Red		
<b>Low Torque**</b>	Green	Green			

\* ID dots are distinguishing on all brackets including high and low torques.

\*\* ID markings are located on center of slide.

## DAMON 3 (Available in Quad™ packaging, 10ea.)

tooth	torque	angulation	rotation	bracket type	part numbers	
MAXILLARY					.022L	.022R
Central	+17°	+5°	0°	High	491-4141	491-4140
Central	+12°	+5°	0°	Standard	491-4111	491-4110
Central	+7°	+5°	0°	Low	491-4121	491-4120
Lateral	+10°	+9°	0°	High	491-4241	491-4240
Lateral	+8°	+9°	0°	Standard	491-4211	491-4210
Lateral	+3°	+9°	0°	Low	491-4221	491-4220
Cuspid	+7°	+6°	0°	Super	491-4361	491-4360
Cuspid	0°	+6°	0°	Standard	491-4331	491-4330
Cuspid - hook	+7°	+6°	0°	High	491-5361	491-5360
Cuspid - hook	0°	+6°	0°	Standard	491-5331	491-5330
Bicuspid	-7°	+2°	0°		491-4521	491-4520
Bicupid - hook	-7°	+2°	0°		491-5521	491-5520

MANDIBULAR					.022L	.022R
Anteriors	-1°	+2°	0°	Standard	491-4021	491-4020
Anteriors	-6°	+2°	0°	Low	491-4051	491-4050
Cuspid	+7°	+5°	0°	High	491-4461	491-4460
Cuspid	0°	+5°	0°	Standard	491-4431	491-4430
Cuspid - hook	+7°	+5°	0°	High	491-5461	491-5460
Cuspid - hook	0°	+5°	0°	Standard	491-5431	491-5430
1st Bicuspid	-12°	+2°	0°		491-4621	491-4620
1st Bicuspid - hook	-12°	+2°	0°		491-5621	491-5620
2nd Bicuspid	-17°	+2°	0°		491-4721	491-4720
2nd Bicuspid - hook	-17°	+2°	0°		491-5721	491-5720

## BUCCAL TUBES

tooth	torque	angulation	rotation	part numbers	
MAXILLARY				.022L	.022R
1st Molar - SnapLink™ Tube	-18°	0°	+12°	438-2161	438-2160
1st Molar - SL Buccal Tube	-18°	0°	+12°	438-2103	438-2104
1st Molar - SL Buccal Tube - Weldable	-18°	0°	+12°	513-1243	513-1244
1st Molar - Accent™ Mini Tube	-18°	0°	+12°	515-0163	513-0162
2nd Molar - Accent Mini Tube	-27°	0°	+6°	513-0171	513-0170
2nd Molar - Titanium Tube	-27°	0°	+6°	449-1203	449-0203
2nd Molar - Damon™ Tube (Stainless Steel)	-27°	0°	+10°	438-2105	438-2106

MANDIBULAR				.022L	.022R
1st Molar - SnapLink Tube	-28°	+2°	+2°	438-2191	438-2190
1st Molar - SL Buccal Tube	-28°	+2°	+2°	438-2101	438-2102
1st Molar - SL Buccal Tube - Weldable	-28°	+2°	+2°	513-1241	513-1242
1st Molar - Accent Mini Tube	-28°	0°	+10°	513-0165	513-0164
2nd Molar - Accent Mini Tube	-10°	0°	0°	513-0173	513-0172
2nd Molar - Titanium Tube	-10°	0°	+5°	449-2127	449-2027

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## DAMON AUXILIARY PRODUCTS

HOOKS, POWER PRODUCTS & ELASTICS	Part Number
Damon Q Drop-in Hooks (U/L 5-5), 30 per pack	242-0114
Damon 3MX Drop-in Hooks (U/L 5-5), 30 per pack	242-0012
Damon Tieback Modules – Size 1 (gray), 40 per pack	637-0011
Damon Tieback Modules – Size 1 (clear), 40 per pack	637-0012
Damon Tieback Modules – Size 2 (gray), 40 per pack	637-0021
Damon Tieback Modules – Size 2 (clear), 40 per pack	637-0022
Generation II Power Chain – closed space (gray)	639-0001
Generation II Power Chain – closed space (clear)	639-0002
Generation II Power Chain – open space (gray)	639-0003
Generation II Power Chain – open space (clear)	639-0004
Zoo Pack Elastics, 1/4" Extra Heavy Ram	630-0051
Zoo Pack Elastics, 5/16" Extra Heavy Moose	630-0052
Open Coil Springs 15" Medium Force (spool)	704-6054
Closed Coil Springs 9mm Medium Force (10)	704-6066
Closed Coil Springs 12mm Medium Force (10)	704-6062
Bite Turbos	350-0000
Damon Arch Symmetry Chart	704-1065
<b>AOA LAB PRODUCTS – Contact AOA at 800.262.5221 or aolab.com</b>	
Archwire Extenders	MATER34
Damon Retention Splint	Custom Order
<b>INSTRUMENTS</b>	
SpinTek™ Opening Tool (Use with Damon Q, Damon Clear and SnapLink tubes)	866-4014
SpinTek Opening /Closing Tool (Use with Damon Q, Damon Clear & SnapLink tubes)	866-4016
Damon 3/3MX Dual Tip Opening Instrument – 45°/90° (single piece)	866-4012
Damon 3/3MX Dual Tip Opening Instrument – 0°/90° (single piece)	866-4013
Damon Cool Tool (archwire director)	866-4003
Positive Positioner (for bondable molar tubes)	800-2222
Damon Q Debonding/Repositioning Instrument	866-4008
Damon Clear Debonding Instrument	866-4019
Inspire Debonding Instrument (for Damon 3 only)	803-0205
Damon 3MX Debonding/Repositioning Instrument	866-4015

## DAMON AUXILIARY PRODUCTS (cont'd)

### BONDING SUPPLIES

Blūgloo™ Two-Way Color-Change Adhesive Syringe Kit (Damon Clear and Damon 3)	740-0274
Blūgloo Adhesive Syringe Refill	740-0272
Blūgloo Adhesive Unidose Kit	740-0275
Blūgloo Adhesive Unidose Refill	740-0273
Grēngloo™ Two-Way Color-Change Adhesive Syringe Kit (Damon Q & Damon 3MX)	740-0320
Grēngloo Adhesive Syringe Refill	740-0321
Grēngloo Adhesive Unidose Kit	740-0322
Grēngloo Adhesive Unidose Refill	740-0323
Ortho Solo™ Sealant and Bond Enhancer Kit	740-0270
Ortho Solo Unidose Pack	740-0269
Ortho Solo Refill	740-0271
Disposable Setup Trays (40/pk)	740-0076

## DAMON ARCHWIRE COLLECTION

See the archwire section for more information

### PHASE I: INITIAL LIGHT ROUND WIRES

<b>.013</b>	<b>Damon Optimal Force Copper Ni-Ti w/ Archwire Stops</b>	<b>205-1909</b>
<b>.014</b>	<b>Damon Optimal Force Copper Ni-Ti w/ Archwire Stops</b>	<b>205-1902</b>
.016	Damon Optimal Force Copper Ni-Ti w/ Archwire Stops	205-1903
.018	Damon Optimal Force Copper Ni-Ti w/ Archwire Stops	205-1904

### PHASE II: HIGH-TECHNOLOGY EDGEWISE WIRES

<b>.014 x .025</b>	<b>Damon Optimal Force Copper Ni-Ti w/ Archwire Stops</b>	<b>210-1905</b>
<b>.016 x .025</b>	<b>Damon Optimal Force Copper Ni-Ti w/ Archwire Stops</b>	<b>210-1906</b>
<b>.018 x .025</b>	<b>Damon Optimal Force Copper Ni-Ti w/ Archwire Stops</b>	<b>210-1907</b>
.016 x .025 34mm	Damon Ni-Ti w/20° Ant Torque**	227-0341
.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
.016 x .025 38mm	Damon Ni-Ti w/20° Ant Torque**	227-0381
.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
.016 x .025 34mm	Damon Rev Curve Ni-Ti w/20° Ant Torque**	216-3416
.017 x .025 34mm	Damon Rev Curve Ni-Ti w/20° Ant Torque**	216-3417
.019 x .025 34mm	Damon Rev Curve Ni-Ti w/20° Ant Torque**	216-3419
.016 x .025 38mm	Damon Rev Curve Ni-Ti w/20° Ant Torque**	216-3816
.017 x .025 38mm	Damon Rev Curve Ni-Ti w/20° Ant Torque**	216-3817
.019 x .025 38mm	Damon Rev Curve Ni-Ti w/20° Ant Torque**	216-3819
.016 x .025	Damon Rev Curve Ni-Ti without Ant Torque**	216-3806
.017 x .025	Damon Rev Curve Ni-Ti without Ant Torque**	216-3807
.019 x .025	Damon Rev Curve Ni-Ti without Ant Torque**	216-3809

### PHASE III & IV: MAJOR MECHANICS & FINISHING

.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 Low-Friction Purple TMA**	227-1141
.017 x .025	Damon Low-Friction Purple TMA**	227-1142
.019 x .025	Damon Low-Friction Purple TMA**	227-1143
.016 x .025	Damon Low-Friction Honeydew TMA**	227-1151
.017 x .025	Damon Low-Friction Honeydew TMA**	227-1152
.019 x .025	Damon Low-Friction Honeydew TMA**	227-1153
.016 x .025	Damon Stainless Steel No Dimple	227-1067
.019 x .025	Damon Stainless Steel No Dimple	227-1071
.016 x .025 24mm	Damon Posted Stainless Steel	227-1026
.019 x .025 24mm	Damon Posted Stainless Steel	227-1027
.016 x .025 26mm	Damon Posted Stainless Steel	227-1028
.019 x .025 26mm	Damon Posted Stainless Steel	227-1029
.016 x .025 28mm	Damon Posted Stainless Steel	227-1030
.019 x .025 28mm	Damon Posted Stainless Steel	227-1031
.016 x .025 30mm	Damon Posted Stainless Steel	227-1032
.016 x .025 32mm	Damon Posted Stainless Steel	227-1034
.016 x .025 34mm	Damon Posted Stainless Steel	227-1036
.016 x .025 36mm	Damon Posted Stainless Steel	227-1038
.016 x .025 38mm	Damon Posted Stainless Steel	227-1040
.016 x .025 40mm	Damon Posted Stainless Steel	227-1042
<b>.019 x .025 30mm</b>	<b>Damon Posted Stainless Steel</b>	<b>227-1033</b>
<b>.019 x .025 32mm</b>	<b>Damon Posted Stainless Steel</b>	<b>227-1035</b>
<b>.019 x .025 34mm</b>	<b>Damon Posted Stainless Steel</b>	<b>227-1037</b>
<b>.019 x .025 36mm</b>	<b>Damon Posted Stainless Steel</b>	<b>227-1039</b>
<b>.019 x .025 38mm</b>	<b>Damon Posted Stainless Steel</b>	<b>227-1041</b>
<b>.019 x .025 40mm</b>	<b>Damon Posted Stainless Steel</b>	<b>227-1043</b>

\*\* 5/pk. All other wires packaged in packs of 10. **Note:** Bold indicates most frequently used archwires

# INSPIRE ICE™

Optimal Aesthetics. Proven Performance.

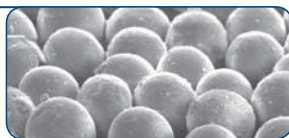
Inspire ICE crystal clear brackets are designed as a true twin made of monocrystalline with a sapphire finish that provides unmatched clarity to blend with any tooth shade, and also ensures superior torque and tie wing strength.<sup>1,2</sup>

- Inspire ICE brackets are more transparent than brackets made of polycrystalline, which means they naturally adapt and blend in with any tooth shade
- Ormco's unique heat-treatment and processing technology provides unmatched strength and clarity.
- Superior tie wing strength provides brackets that are 2X stronger than the leading competitor<sup>2</sup>
- 3X more torque strength than the leading competitor for treatment flexibility<sup>2</sup>
- Easy to debond and with less enamel damage than other ceramic appliances<sup>3</sup> due to Ormco's proprietary ball base technology that ensures ample bond strengths, but reduces the force required to debond when using the Inspire ICE debonding tool
- Lowest profile monocrystalline bracket<sup>2</sup>
- Ultrasmooth heat polished surface and rounded contours for patient comfort
- Fast and accurate placement due to the rhomboid shape, tooth specific pad contours and unique FacePaint™ system
- Will not stain

Inspire ICE is part of Ormco's Straight-Wire™ family and may be combined with any other Straight-Wire bracket without compromising treatment.

## EASY TO DEBOND

Inspire Ice features Ormco's proprietary ball-base design, which reduces the force to debond for safe, easier single piece removal.<sup>3</sup>



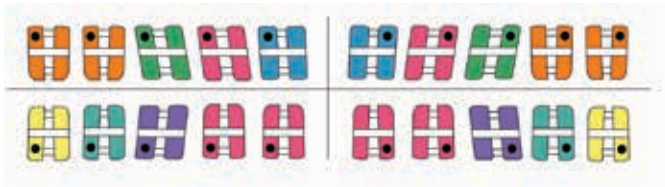
Using the Inspire ICE bracket removal plier ensures brackets come off easily and consistently. Simply engage the Inspire ICE debonding instrument under the tie wing area and advance the instrument toward the bracket pad.



<sup>1</sup> Cited: Johnson, Gerald, Walker P. Mary, Katherine. "Fracture strength of ceramic bracket tie wings subject to tension" Angle Orthodontist, Vol. 75, No.1 2005 <sup>2</sup> Data on file <sup>3</sup> Suliman, Sam N.; Trojan, Terry M.; Tantbirojn, Daranee; Versluis, Antheunis. "Enamel loss following ceramic bracket debonding: A quantitative analysis in vitro." Angle Orthodontist, Vol 85, No 4, 2015 pp. 651-656.



## INSPIRE ICE FACE-PAINT™ IDENTIFICATION SYSTEM



Inspire ICE also incorporates Ormco's proprietary Face-Paint System, which is designed to facilitate bracket placement as well as identification. The facial surface is coated with a nontoxic, water-soluble dye and the recesses of the archwire slot and inner tie wing are uncolored. This creates a "cross-hairs" effect that facilitates fast, accurate placement.

Inspire ICE Debonding Plier

866-4020

### INSPIRE ICE (Available in Quad packaging; 5 ea.; single-patient kit)

tooth	torque	angulation	rot.	bracket type	part numbers			
<b>MAXILLARY</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Central	+12°	+5°	0°	Twin	443-0111	443-0110	444-0111	444-0110
Lateral	+8°	+9°	0°	Twin	443-0211	443-0210	444-0211	444-0210
Cuspid	-2°	+13°	4°	Twin	443-0311	443-0310	444-0311	444-0310
Cuspid – hook	-2°	+13°	4°	Twin	443-1311	443-1310	444-1311	444-1310
Bicuspid	-7°	0°	2°	Twin	443-0511	443-0510	444-0511	444-0510
Bicuspid – hook	-7°	0°	2°	Twin	443-1511	443-1510	444-1511	444-1510
<b>MANDIBULAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Anterior	-1°	0°	0°	Twin	443-0011/Universal		444-0011/Universal	
Cuspid	-11°	+7°	2°	Twin	443-0411	443-0410	444-0411	444-0410
Cuspid – hook	-11°	+7°	2°	Twin	443-1411	443-1410	444-1411	444-1410
1st Bicuspid	-17°	-1°	4°	Twin	443-0611	443-0610	444-0611	444-0610
1st Bicuspid – hook	-17°	-1°	4°	Twin	443-1611	443-1610	444-1611	444-1610
2nd Bicuspid	-22°	-1°	4°	Twin	443-0711	443-0710	444-0711	444-0710
2nd Bicuspid – hook	-22°	-1°	4°	Twin	443-1711	443-1710	444-1711	444-1710
<b>SINGLE-PATIENT KITS</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single-Patient Kit	Upper 3 – 3, hooks on Cuspids				746-4300		746-4400	
Single-Patient Kit	Upper 5 – 5, hooks on Cuspids				746-4301		746-4401	
Single-Patient Kit	Upper/Lower 3 – 3, hooks on Cuspids				746-4302		746-4402	
Single-Patient Kit	Upper 5 – 5/Lower 3 – 3, hooks on Cuspids				746-4303		746-4403	
Single-Patient Kit	Upper/Lower 3 – 3, no hooks				746-4304		746-4404	
Single-Patient Kit	Upper 5 – 5/Lower 3 – 3, no hooks				746-4305		746-4405	
Single-Patient Kit	Upper/Lower 5 – 5, no hooks				746-4306		746-4406	
Single-Patient Kit	Upper/Lower 5 – 5, hooks				746-4307		746-4407	

**INSPIRE ICE** (Available in Quad packaging; 5 ea.; single-patient kit)  
**McLAUGHLIN, BENNETT & TREVISI<sup>®</sup> Rx**

tooth	torque	angulation	rot.	bracket type	part numbers			
<b>MAXILLARY</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Central	+17	+4°	0°	twin	443-2111	443-2110	444-2111	444-2110
Lateral	+10°	+8°	0°	twin	443-2211	443-2210	444-2211	444-2210
Cuspid - Hook	0°	+8°	0°	twin	443-3311	443-3310	444-3311	444-3310
Bicuspid - Hook	-7°	0°	0°	twin	443-3511	443-3510	444-3511	444-3510
<b>MANDIBULAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Anterior	-6°	0°	0°	twin	443-2011 Universal		444-2011 Universal	
Cuspid - Hook	0°	+3°	0°	twin	443-3411	443-3410	444-3411	444-3410
1st Bicuspid - Hook	-12°	+2°	0°	twin	443-3611	443-3610	444-3611	444-3610
2nd Bicuspid - Hook	-17°	+2°	0°	twin	443-3711	443-3710	444-3711	444-3710
<b>SINGLE-PATIENT KITS</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single-Patient Kit	Inspire ICE-Upper/Lower 5 – 5, with hooks				746-4309		746-4409	
Single-Patient Kit	Inspire ICE-Upper 5 – 5, with hooks				746-4310		746-4410	
Single-Patient Kit	Inspire ICE-Upper/Lower 3 – 3, with hooks				746-4311		746-4411	

\*Does not imply endorsement

**INSPIRE ICE SUPER TORQUE & SPECIAL OPTIONS**

tooth	torque	angulation	rot.	bracket type	part numbers			
<b>MAXILLARY</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Central	+22°	+5°	0°	Twin	443-0143	443-0142	444-0143	444-0142
Central	+17°	+5°	0°	Twin	443-0141	443-0140	444-0141	444-0140
Lateral	+14°	+8°	0°	Twin	443-0243	443-0242	444-0243	444-0242
Lateral	+10°	+9°	0°	Twin	443-0241	443-0240	444-0241	444-0240
Cuspid	+7°	+10°	0°	Twin	443-0343	443-0342	444-0343	444-0342
Cuspid	-2°	+9°	4°	Twin	443-0351	443-0350	444-0351	444-0350
Cuspid – hook	+7°	+10°	0°	Twin	443-1343	443-1342	444-1343	444-1342
Cuspid – hook	-2°	+9°	4°	Twin	443-1351	443-1350	444-1351	444-1350
Cuspid – hook	+3°	+9°	4°	Twin	443-1341	443-1340	444-1341	444-1340

All hooks are disto-gingival unless otherwise noted.

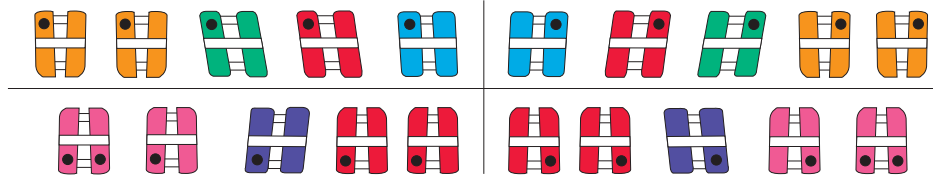
# SPIRIT™ MB



## MECHANICAL BASE BONDING FOR AESTHETICS YOU CAN DEPEND ON

With its track record of clinical performance, Spirit™ MB is an aesthetic bracket made of a proprietary combination of polymers and a patterned base for increased mechanical retention. Spirit MB is ideal for cases where enamel wear may be a concern.

### SPIRIT MB FACE-PAINT™ IDENTIFICATION SYSTEM



SpiritMB also incorporates Ormco's proprietary Face-Paint System, which is designed to facilitate bracket placement as well as identification. The facial surface is coated with a nontoxic, water-soluble dye and the recesses of the archwire slot and inner tie wing are uncolored. This creates a "cross-hairs" effect that makes placement a breeze.

#### MAXILLARY:

Centrals – Blue

Laterals – Red

Cuspids – Green

Bicuspids – Orange

#### MANDIBULAR:

Anteriors – Red

Cuspids – Purple

Bicuspids – Pink

### SPIRIT MB – LEVEL ARCH MODERN (Available in 5 ea.; single-patient kit)

tooth	torque	angulation	bracket type	M/D	I/O	part numbers				
MAXILLARY						In Millimeters	.018 L	.018 R	.022 L	.022 R
Central	+14°	+5°	Twin	3.5	1.3	494-0111	494-0110	495-0111	495-0110	
Lateral	+7°	+8°	Twin	3.5	1.5	494-0211	494-0210	495-0211	495-0210	
Cuspid	0°	+10°	Twin	3.5	1.0	494-0301	494-0300	495-0301	495-0300	
Cuspid – hook	0°	+10°	Twin	3.5	1.0	494-1301	494-1300	495-1301	495-1300	
Bicuspid	-7°	0°	Twin	3.1	1.0	494-0514/Universal		495-0514/Universal		
Bicuspid – hook	-7°	0°	Twin	3.1	1.0	494-1514/Universal		495-1514/Universal		

MANDIBULAR						In Millimeters	.018 L	.018 R	.022 L	.022 R
Anteriors	-1°	0°	Twin	3.1	1.4	494-0025/Universal		495-0025/Universal		
Cuspid	-7°	+6°	Twin	3.5	0.8	494-0411	494-0410	495-0411	495-0410	
Cuspid – hook	-7°	+6°	Twin	3.5	0.8	494-1411	494-1410	495-1411	495-1410	
1st Bicuspid	-11°	0°	Twin	3.1	1.0	494-0615/Universal		495-0615/Universal		
1st Bicuspid – hook	-11°	0°	Twin	3.1	1.0	494-1615/Universal		495-1615/Universal		
2nd Bicuspid	-17°	0°	Twin	3.1	1.0	494-0725/Universal		495-0725/Universal		

All hooks are disto-gingival unless otherwise noted.

[continued on next page](#)

## SPIRIT MB – LEVEL ARCH MODERN (cont'd)

SINGLE-PATIENT KITS		.018 L	.018 R	.022 L	.022 R
Single-Patient Kit	Upper 3 – 3			740-0222	
Single-Patient Kit	Upper 3 – 3, hooks on Cuspids	740-1221		740-1222	
Single-Patient Kit	Upper/Lower 3 – 3			740-0224	
Single-Patient Kit	Upper/Lower 3 – 3, hooks on Cuspids	740-1223		740-1224	
Single-Patient Kit	Upper 5 – 5, hooks on Cuspids	740-1225		740-1226	
Single-Patient Kit	Upper/Lower 5 – 5	740-0227		740-0228	
Single-Patient Kit	Upper/Lower 5 – 5, hooks on Cuspids	740-1227		740-1228	

All hooks are disto-gingival unless otherwise noted.

## SPIRIT MB – ADDITIONAL OPTIONS

tooth	torque	angulation	bracket type	M/D	I/O	part numbers				
MAXILLARY						In Millimeters	.018 L	.018 R	.022 L	.022 R
Central	+22°	+5°	Twin	3.5	1.3	494-0121	494-0120	495-0121	495-0120	
Lateral	+14°	+8°	Twin	3.5	1.5	494-0221	494-0220	495-0231	495-0230	
Cuspid	+7°	+10°	Twin	3.5	1.0	494-0321	494-0320	495-1301	495-1300	
Cuspid – hook	+7°	+10°	Twin	3.5	1.0	494-1321	494-1320	495-1301	495-1300	
MANDIBULAR						In Millimeters	.018 L	.018 R	.022 L	.022 R
Cuspid	+7°	+5°	Twin	3.5	0.8	494-0421	494-0420	495-1301	495-1300	
Cuspid – hook	+7°	+5°	Twin	3.5	0.8	494-1421	494-1420	495-0411	495-0410	

All hooks are disto-gingival unless otherwise noted.

## THE WORLD'S FIRST SELF-LIGATING SQUARE SLOT BRACKET

Developed through collaboration with world-renowned lingual leaders, Drs. Kyoto Takemoto and Giuseppe Scuzzo, Alias offers an aesthetic alternative to labial brackets or aligners, but with the efficiency of Straight-Wire™ mechanics. Alias' unique square slot allows for optimized movement and the greater interbracket distances make the aligning stage easier.

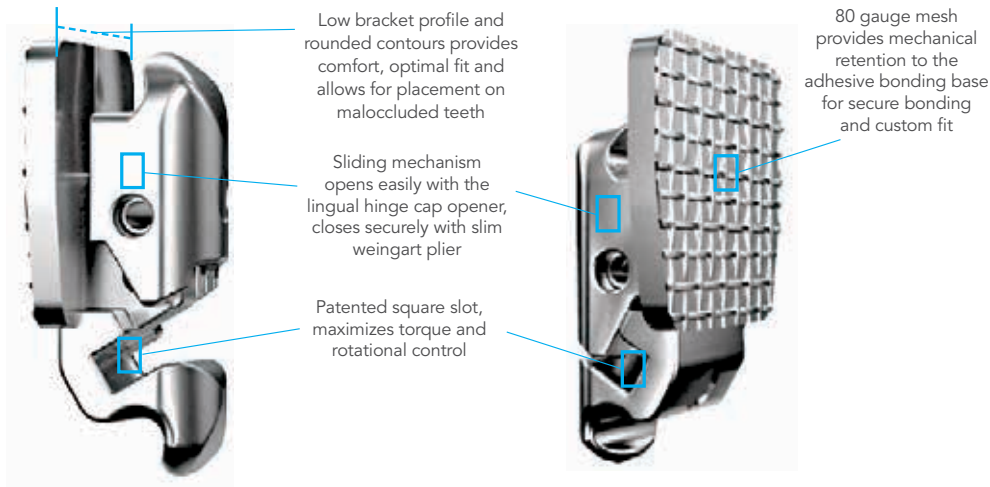


Dr. Kyoto Takemoto



Dr. Giuseppe Scuzzo

## BRACKET FEATURES



The Alias lingual bracket system features rounded contours and a low profile design for both clinical performance and patient comfort.

### Simplicity

- **Easy open and close** - Self-ligating slide makes archwire changes faster and easier.
- **Custom indirect bonding setup** - AOA Lab creates custom setups, making bracket placement fast, simple and accurate.
- **Streamlined inventory** - Single-patient kits to suit preferences and treatments needs.

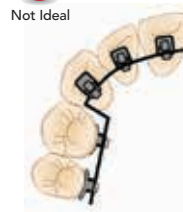
### Efficiency

- **Passive self-ligating mechanics** - Alias is designed to minimize friction while producing light, continuous orthodontic forces that allow the teeth to move more smoothly.

- **Enhanced sliding mechanics** - Straight-Wire shape facilitates easier sliding.
- **Simplified finishing bends** - Lingual wire replicates the labial Straight-Wire arch form, making wire bends intuitive.
- **Enhanced rotational and torque control** - Patented .018 x .018 square slot provides optimal control and results.

### Comfort

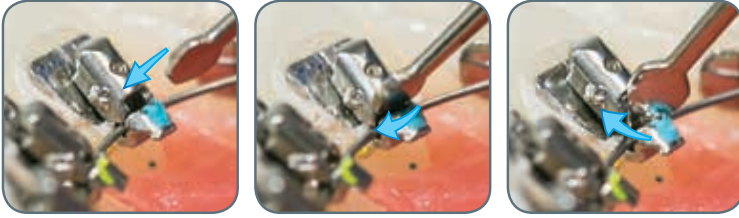
- **Enhanced patient comfort** - Designed with low bracket profiles and rounded contours.



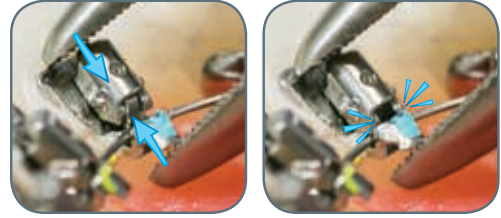
## SIMPLIFIED WIRE CHANGES AND OPENING/CLOSING

The Lingual Hinge Cap Opener and Slim Weingart instruments facilitate easy and fast wire changes.

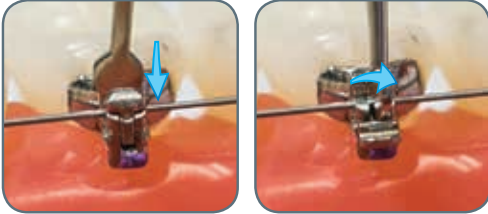
### ANTERIOR | OPEN



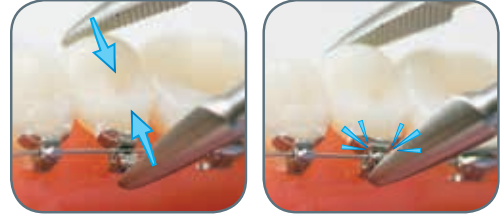
### ANTERIOR | CLOSE



### POSTERIOR | OPEN



### POSTERIOR | CLOSE

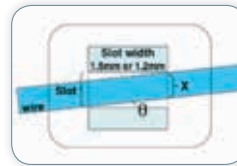


## .018 X .018 SQUARE ARCHWIRE SLOT

The patented .018 x .018 square passive self-ligating slot and enhanced Straight-Wire™ sliding mechanics improve torque and rotational control. Lingual brackets using the .018 x .025 slot have more play, thus less torque control, versus Alias.\*



3rd-order play between square and rectangular slots and different sizes of archwires.

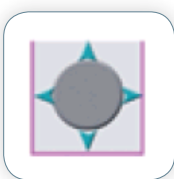


2nd-order play between STb SL Square Slot lingual brackets\* with .018" x .018" square slots and different sizes of archwires.

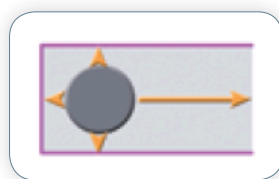
Square slot	.016" x .016" wire	.017" x .017" wire	.0175" x .0175" wire
.018" x .018"	~7-8° play	~3-4° play	~1-2° play
Rectangular slot	.016" x .022" wire	.017" x .022" wire	.017" x .025" wire
.018" x .025"	~5-6° play	~2-3° play	~2-3° play

Upper Anterior	.016" x .016" wire	.017" x .017" wire	.0175" x .0175" wire
.018" x .018" (1.5mm wide)	~1-2° play	~0-1° play	~0-1° play
Lower Anterior	.016" x .016" wire	.017" x .017" wire	.0175" x .0175" wire
.018" x .018" (1.2mm wide)	~2-3° play	~1-2° play	~0-1° play

Square slot  
.018" x .018" slot



Rectangular slot  
.018" x .025" slot



### With both round and square wires:

Tipping control: square slot = rectangular slot

Rotation control: square slot superior to rectangular slot

\* G. Scuzzo, MD, DDS, K. Takemoto, DDS, PHD, Y. Takemoto, DDS, G. Scuzzo, DDS, L. Lombardo, DDS. "A New Self-Ligating Lingual Bracket with Square Slots", Journal of Clinical Orthodontics, Volume XLV, No. 12 (2011): 682 - 683.

# GENERAL PROTOCOLS AND ARCHWIRE SEQUENCE PROVIDED BY DRS. TAKEMOTO AND SCUZZO\*

**OPEN COIL SPRINGS** To resolve rotations when teeth are too crowded and bracket placement isn't possible, place an open coil spring 1.3x – 1.4x the interbracket distance to help open the space.

**BUCCAL ATTACHMENTS** A variety of clear buccal attachments may be used to enhance buccal leveling, using inter-maxillary elastics, and for creating space.

**BITE TURBOS/BITE BLOCKS** As with labial treatment, the patient's bite may create a bracket to tooth interference. With lingual treatment, it is common after initial bonding for the lower anterior edge to contact the upper anterior bracket(s). Temporary resin fillings (bite turbos/bite blocks) should be placed to prevent this.

## WIRE SEQUENCE

### Non-Extraction Cases

Initial Leveling	
Archwire	Objective
.013 CuNiTi	For severe crowding
<b>Option:</b> .014 CuNiTi	For moderate crowding

Completing Leveling and Rotational Control	
Archwire	Objective
.016 CuNiTi	Complete leveling and alignment including rotation correction; partial arch form stabilization
.016x016 CuNiTi	Initial torque leveling and arch form stabilization

Torque and Arch Form Control	
Archwire	Objective
.018x.018 CuNiTi	Complete torque leveling and arch form stabilization

Finishing or Detailing	
Archwire	Objective
.0175x.0175 TMA	If necessary for torque refinements and/or final detailing
<b>Option:</b> .016 TMA	Final detailing
.018x.018 SS	Control width of both U&L arches in cases with initial width discrepancy

### Extraction Cases

Initial Leveling	
Archwire	Objective
.013 CuNiTi	For severe crowding
<b>Option:</b> .014 CuNiTi	For moderate crowding

Completing Leveling and Rotational Control	
Archwire	Objective
.016 CuNiTi	Complete leveling and alignment including rotation correction; partial arch form stabilization
.016x016 CuNiTi	Initial torque leveling and arch form stabilization

Torque and Arch Form Control	
Archwire	Objective
.018x.018 CuNiTi	Complete torque leveling and arch form stabilization
.0175x.0175 TMA	Torque establishment

Space Closure	
.017x .017 SS or .018x.018 SS (if full torque control is needed with reduced posterior wire size for sliding)	
<b>Option:</b> .016x.016 SS (if there is no need for torque control)	

Finishing or Detailing	
Archwire	Objective
.0175x.0175 TMA	If necessary for torque refinements and/or final detailing
<b>Option:</b> .016 TMA	Final detailing
.018x.018 SS	Control width of both U&L arches in cases with initial width discrepancy

Note: .018 x .018 archwires may fit snugly due to normal manufacturing tolerances.

\* The opinions expressed are those of Drs. Takemoto and Scuzzo. Ormco is a medical device manufacturer and does not dispense medical advice. Clinicians should use their own professional judgment in treating their patients. Drs. Takemoto and Scuzzo are paid consultants for Ormco.

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## SINGLE PATIENT KITS AND ARCHWIRE PACKS (Packs of 10)

initial leveling:	part number
<b>.013 CUNITI: FOR SEVERE CROWDING</b>	
Straight-Wire CuNiTi .013 Dia Sm Pk10	204-2101
Straight-Wire CuNiTi .013 Dia Med Pk10	204-2102
Straight-Wire CuNiTi .013 Dia Lg Pk10	204-2103
<b>.013 CUNITI: FOR SEVERE CROWDING</b>	
Straight-Wire CuNiTi .014 Dia Sm Pk10	204-2131
Straight-Wire CuNiTi .014 Dia Med Pk10	204-2132
Straight-Wire CuNiTi .014 Dia Lg Pk10	204-2133

completing leveling and rotational control:	part number
<b>.016 CUNITI</b>	
Straight-Wire CuNiTi .016 Dia Sm Pk10	204-2111
Straight-Wire CuNiTi .016 Dia Med Pk10	204-2112
Straight-Wire CuNiTi .016 Dia Lg Pk10	204-2113
<b>.016 X .016 CUNITI</b>	
Straight-Wire CuNiTi .016 X .016 Sm Pk10	204-2121
Straight-Wire CuNiTi .016 X .016 Med Pk10	204-2122
Straight-Wire CuNiTi .016 X .016 Lg Pk10	204-2123

Bracket kits	part number
<b>5 PACKS</b>	
Upper 2-2   .018   +60/0/0	369-0020
Lower 2-2   .018   +45/0/0	369-0002
U3R   .018   +60/+08/+06	369-0030
U3L   .018   +60/+08/+06	369-0031
L3R   .018 +45/+08/+06	369-0012
L3L   .018 +45/+08/+06	369-0011
Upper 4's & Lower 4's & 5's   .018   0/0/0	369-0040
Upper 5's   .018   0/0/0	369-0050
U6R   .018   +10/0/+05	369-0060
U6L   .018   +10/0/+05	369-0061
Lower 6's   .018   0/0/0	369-0080
U7R   .018   +10/0/+05 HK	369-1070
U7L   .018   +10/0/+05 HK	369-1071
L7R   .018   0/0/0 HK	369-1090
L7L   .018   0/0/0 HK	369-1091

SINGLE PATIENT KIT	
Upper/Lower 7-7	740-0430

finishing or detailing:	part number
<b>.0175 X .0175 TMA</b>	
Straight-Wire TMA .0175 X .0175 Sm Pk10	204-2211
Straight-Wire TMA .0175 X .0175 Med Pk10	204-2212
Straight-Wire TMA .0175 X .0175 Lg Pk10	204-2213
<b>.016 X .016 SST</b>	
Straight-Wire SST .016 X .016 Sm Pk10	204-2321
Straight-Wire SST .016 X .016 Med Pk10	204-2322
Straight-Wire SST .016 X .016 Lg Pk10	204-2323

space closure for extraction cases:	part number
<b>.017 X .017 SST</b>	
Straight-Wire SST .017 X .017 Sm Pk10	204-2331
Straight-Wire SST .017 X .017 Med Pk10	204-2332
Straight-Wire SST .017 X .017 Lg Pk10	204-2333
<b>.018 X .018 SST</b>	
Straight-Wire SST .018 X .018 Sm Pk10	204-2301
Straight-Wire SST .018 X .018 Med Pk10	204-2302
Straight-Wire SST .018 X .018 Lg Pk10	204-2303

torque and arch form control:	part number
<b>.018 X .018 CUNITI</b>	
Straight-Wire CuNiTi .018 X .018 Sm Pk10	204-2141
Straight-Wire CuNiTi .018 X .018 Med Pk10	204-2142
Straight-Wire CuNiTi .018 X .018 Lg Pk10	204-2143

instruments	part number
Slim Weingart Plier	803-0601
Lingual Hinge-cap Opener	802-1001

### ALL INCLUSIVE PATIENT KITS WITH INDIRECT BONDING SETUP

AOA Lab will prepare your ALIAS patient set up for easy and convenient indirect bonding (IDB). Bracket placement accuracy is optimized with our C.L.A.S.S. system which follows your Rx, and incorporates a custom composite base, which ensures the bracket base matches each tooth's anatomy. Our experienced technicians use the Straight-Wire template and high quality adhesive products to prepare the tray for placement in your office on bonding day.

- Decrease bonding time and improve bracket placement<sup>1</sup>
- Full assortment of ALIAS brackets and wires on hand at AOA
- Full 7X7 U/L available
- Soft tray holds brackets with a rigid outer tray to ensure stability and easy placement

**AOALab**

For your complete Indirect Bonding Set up, contact AOA Lab at 800-262-5221.

Use the online Rx and order form through AOA access:

<https://www.aoaaccess.com/Products/Indirect-Bonding/Alias-Straight-Wire-Indirect-Bonding-Sys>

<sup>1</sup>John. H. Hickham, D. M. (1993). Predictable Indirect Bonding. Journal of Clinical Orthodontics, 215-218.



# LINGUAL BRACKETS

## STb™ LIGHT LINGUAL SYSTEM

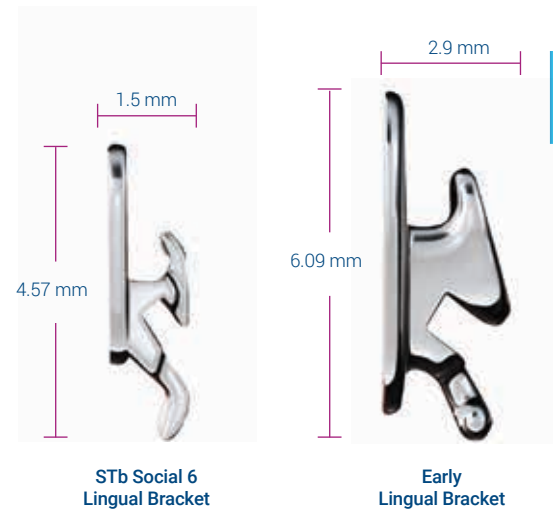
The STb Lingual system is designed for light-force mechanics, with reduced friction to allow teeth to move with efficiency. In most cases, a full TARG or CLASS setup is not required. Indirect bonding application can be fabricated in your own practice or by AOA laboratory.

- Designed for patient comfort to minimize impact on speech
- Discreet, aesthetic option eliminates compliance issues and misplaced aligners
- Low bracket profile at 1.5mm and rounded design provides improved comfort
- Most cases without TARG or CLASS set-up

## STb™ SOCIAL 6 LIGHT LINGUAL SYSTEM

The most aesthetic option available within the STb family, STb Social 6 is aimed towards patients motivated to correct minor to moderate crowding or spacing issues affecting anterior teeth.

- Simple two-wire sequence unravels and aligns teeth
- No custom wire shaping and reduced need for composite buttons



### Complete STb™ System (7-7)



*Treatment Time:* 6 Months

### STb™ Social 6 (3-3)



*Treatment Time:* 8 Weeks

## STb™ STRAIGHT-WIRE SYSTEM

Designed for treatment efficiency and patient comfort, the STb Straight-Wire and Bicuspid brackets accommodate varying patient anatomy to facilitate ideal archform development and occlusion. The bases of the brackets include compensation for use with Straight-Wire.

STb Straight-Wire Bicuspid brackets have been specifically engineered to accommodate the STb Straight-Wire. These brackets feature a lower profile than the original STb Bicuspid brackets and are available with and without a hook.

STb™ Straight-Wire (upper)



STb™ Straight-Wire (lower)



## STb™ STRAIGHT-WIRE MARKING SYSTEM



	central	lateral	cuspid	1 <sup>st</sup> bicuspid	2 <sup>nd</sup> bicuspid
<b>UPPER*</b>	Dark Blue	Pink	Green	Purple	Purple
<b>High Torque**</b>	Red	Red	Red		
<b>Low Torque**</b>	Green	Green			
<b>LOWER*</b>	Yellow	Yellow	Light Blue	White	Red
<b>High Torque**</b>			Red		
<b>Low Torque**</b>	Green	Green			

\*ID dots are disto-gingival on all brackets, including high and low torques.

\*\*ID dots are located on center of slide.

## STb STRAIGHT-WIRE SYSTEM (Available in 10 ea.; single-patient kit)

tooth	torque	angle	d/o	part number
<b>ANTERIORS</b>				
Upper 3 – 3 Universal*	+55°	0°	0°	369-2102
Upper 3 – 3 Universal, hook*	+55°	0°	0°	369-3102
Lower 3 – 3 Universal*	+40°	0°	0°	369-2110
Lower 3 – 3 Universal, hook*	+40°	0°	0°	369-3110
<b>BICUSPIDS</b>				
Upper/Lower 4 & 5 Universal	+11°	0°	0°	369-2402
Upper/Lower 4 & 5 Universal, hook	+11°	0°	0°	369-3402
Upper/Lower 4 & 5 Universal	0°	0°	0°	369-2403
Upper/Lower 4 & 5 Universal, hook	0°	0°	0°	369-3403
<b>MOLARS</b>				
Upper 6R, hook	+10°	0°	+5°	369-3600
Upper 6L, hook	+10°	0°	+5°	369-3601
Upper 7R, hook	+10°	0°	+5°	369-3700
Upper 7L, hook	+10°	0°	+5°	369-3701
Lower 6R, hook	0°	0°	0°	369-3610
Lower 6L, hook	0°	0°	0°	369-3611
Lower 7R, hook	0°	0°	0°	369-3710
Lower 7L, hook	0°	0°	0°	369-3711
<b>SINGLE-PATIENT KITS</b>				
Extraction Upper & Lower 7-7				740-0421
Upper & Lower 7-7				740-0422
Upper Only 7-7				740-0424
Extraction Upper Only 7-7				740-0425

All hooks are disto-gingival unless otherwise noted.

\*Parts for STb Social 6 cases

**Please reference lingual arch form wires for STb light lingual system archwire part numbers** (See Section 5, Page 116)

## STb LIGHT LINGUAL SYSTEM (Available in 10 ea.; single-patient kit)

tooth	torque	angle	d/o	part number
<b>ANTERIORS</b>				
Upper 3 – 3 Universal*	+55°	0°	0°	369-2102
Upper 3 – 3 Universal, hook*	+55°	0°	0°	369-3102
Lower 3 – 3 Universal*	+40°	0°	0°	369-2110
Lower 3 – 3 Universal, hook*	+40°	0°	0°	369-3110
<b>BICUSPIDS</b>				
Upper/Lower 4 & 5 Universal	+11°	0°	0°	369-2400
Upper/Lower 4 & 5 Universal, hook	+11°	0°	0°	369-3400
Upper/Lower 4 & 5 Universal	0°	0°	0°	369-3401
Upper/Lower 4 & 5 Universal, hook	0°	0°	0°	369-2401
<b>MOLARS</b>				
Upper 6R, hook	+10°	0°	+5°	369-3600
Upper 6L, hook	+10°	0°	+5°	369-3601
Upper 7R, hook	+10°	0°	+5°	369-3700
Upper 7L, hook	+10°	0°	+5°	369-3701
Lower 6R, hook	0°	0°	0°	369-3610
Lower 6L, hook	0°	0°	0°	369-3611
Lower 7R, hook	0°	0°	0°	369-3710
Lower 7L, hook	0°	0°	0°	369-3711
<b>SINGLE-PATIENT KITS</b>				
Extraction Upper & Lower 7-7				740-0411
Upper & Lower 7-7				740-0412
Upper Only 7-7				740-0414
Upper Only 7-7				740-0415
Upper 3-3 Only*				740-0416
Upper & Lower 3-3*				740-0417

All hooks are disto-gingival unless otherwise noted.

\*Parts for STb Social 6 cases

**Please reference lingual arch form wires for STb light lingual system archwire part numbers** (See Section 5, Page 116)

### COMPLEMENTARY PRODUCTS

See various sections of this catalog for the following product that complement the Lingual brackets.

- Grēngloo (See Section 6)
- Lingual Wires (See Section 5)
- Lingual Straight Wires (See Section 5)
- Demi Plus (See Section 6)

# GEN 7 COMPLETE

## LINGUAL APPLIANCE SYSTEM

Ormco's original lingual appliance system

- Easy to ligate – more under-tie wing area
- Easy archwire insertion – rounded slot openings and gingival ramp guide wires into slots
- Comfortable and compact

# AOA

**For Exceptional Lingual Indirect Bonding Service, Call AOA.**

C.L.A.S.S. (Custom Lingual Appliance Setup Service) setups and T.A.R.G. (Torque Angulation Reference Guide) services are available from AOA. AOA maintains a complete inventory of Ormco lingual brackets and archwires. Call 800.262.5221 to discuss your lingual orthodontic needs.

### GEN 7 LINGUAL APPLIANCE Available in single-patient and two-patient kit

tooth	bracket type	part numbers			
MAXILLARY		.018 L	.018 R	.022 L	.022 R
Central	Lingual	367-5011	367-5001	368-5011	368-5001
Lateral	Lingual	367-5012	367-5002	368-5012	368-5002
Cuspid	Lingual	367-5013	367-5003	368-5013	368-5003
Bicuspid	Lingual	367-5044/Universal		368-5044/Universal	
Molar	Twin	367-1816	367-1806	368-1816	368-1806
Molar – weldable	Twin	367-1916	367-1906	368-1916	368-1906
Molar – weldable	Twin, transpalatal sheath	367-0049/Universal		368-0049/Universal	
Molar	Hinge cap	367-1616	367-1606	368-1616	368-1606
Molar – weldable	Hinge cap	367-1716	367-1706	368-1716	368-1706
Molar	Terminal tube	367-1316	367-1306	368-1216	368-1206
Molar – weldable	Terminal tube	367-1016	367-1006	136-1616	136-1606

All lingual brackets include a hook, except the upper molar twin with transpalatal sheath.

[continued on next page](#)

## GEN 7 LINGUAL APPLIANCE (cont'd) Available in single-patient and two-patient kit

tooth	bracket type	part numbers			
		.018 L	.018 R	.022 L	.022 R
<b>MANDIBULAR</b>					
<b>Anterior</b>	Lingual	367-5050/Universal		368-5050/Universal	
<b>Cuspid</b>	Lingual	367-5033	367-5023	368-5033	368-5023
<b>Bicuspid</b>	Lingual	367-5044/Universal		368-5044/Universal	
<b>Molar</b>	Twin	367-1836	367-1826	368-1836	368-1826
<b>Molar – weldable</b>	Twin	367-1936	367-1926	368-1936	368-1926
<b>Molar</b>	Hinge cap	367-1636	367-1626	368-1636	368-1626
<b>Molar – weldable</b>	Hinge cap	367-1736	367-1726	368-1736	368-1726
<b>Molar</b>	Terminal tube	367-1336	367-1326	368-1236	368-1226
<b>Molar – weldable</b>	Terminal tube	367-1036	367-1026		
<b>SINGLE-PATIENT KITS</b>					
<b>Anterior</b>	Lingual	367-5050/Universal		368-5050/Universal	
<b>Cuspid</b>	Lingual	367-5033	367-5023	368-5033	368-5023

All lingual brackets include a hook, except the upper molar twin with transpalatal sheath.



**Molar – Twin with  
Transpalatal Sheath**

**Molar – Twin  
with Hook**

**Anterior Assembly**

**Molar – Hinge Cap  
with Hook**

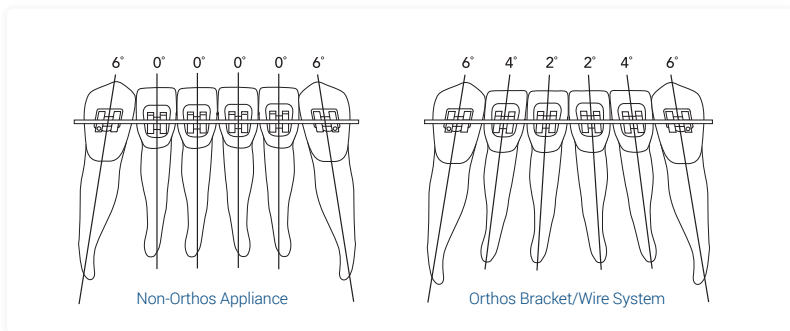
# ORTHOS™

## Straight-Wire Simplified

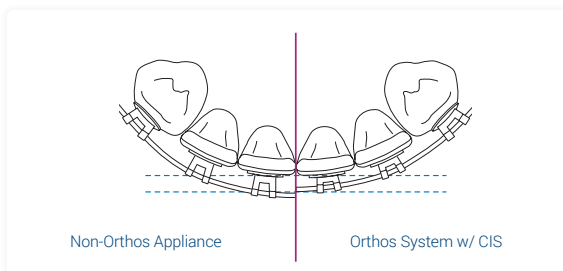


### INS AND OUTS OF ORTHOS

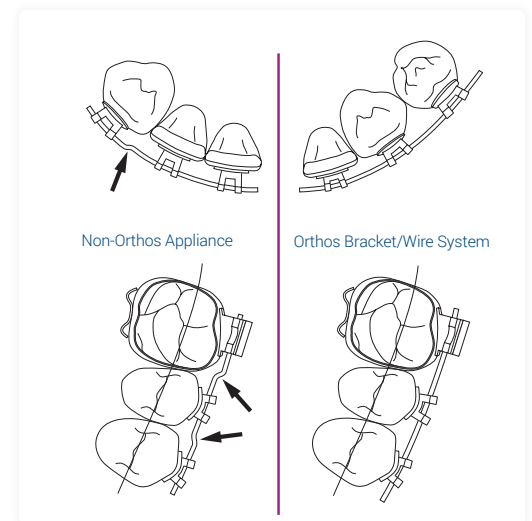
Orthos is derived from computer-aided anatomical analysis of hundreds of orthodontic cases and was the first scientifically based, computer-engineered, coordinated system of brackets and wires. The bracket geometries and a coordinated arch form are designed to help reduce the common challenges of everyday treatment and the need for compensating wire bends when compared with non-Orthos appliances.



▲ Progressive distal root tip for ideal root alignment



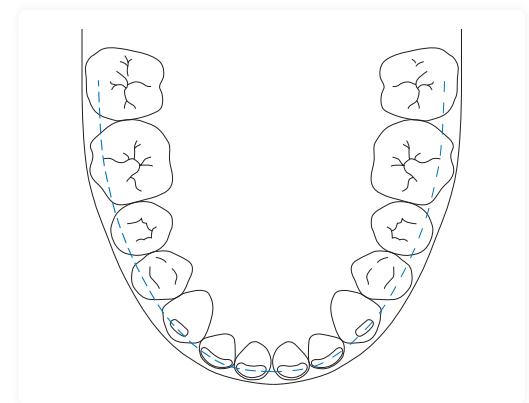
◀ Low-profile lower anterior brackets with compensated-slot cuspids and a coordinated arch form are designed to reduce occlusal interference and provide greater patient comfort.



▲ Improved cuspid-to-lateral and bicuspid-to-molar transitions reduce the need for common first-order bends

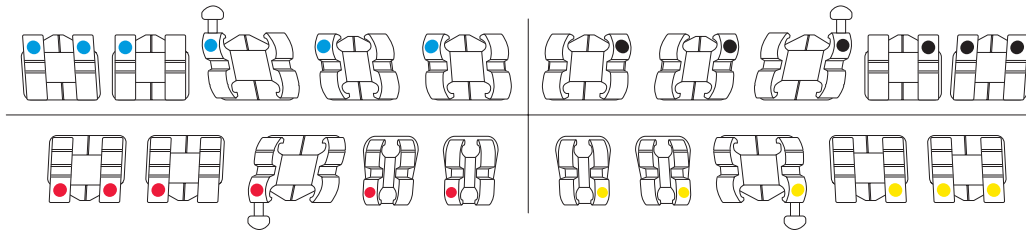
### COORDINATED ARCHWIRE SYSTEM

The bio-engineered geometries of the Orthos appliance are designed to work specifically with the coordinated archwire system. The Orthos arch form comes in a full complement of sizes, alloys and configurations to treat your cases effectively and efficiently from start to finish.



▲ Orthos Bracket/Wire System achieves a smooth, coordinated arch form

## ORTHOS MARKING SYSTEM



- All brackets are color-coded by quadrant:

Upper right – Blue

Upper Left – Black

Lower right – Red

Lower Left – Yellow

- The dimple or paint mark is on the distogingival tie wing unless otherwise noted
- Upper and lower 2nd bicuspid have dimples/paint on both gingival tie wings
- Upper centrals are wider than upper laterals
- The lower laterals, cuspids and bicuspid also feature a scribe line on the occlusal tie wing

- Because of the specificity of the Orthos appliance, there are no universal brackets

To achieve the proper expression of the Orthos appliance, all brackets should be placed at the following heights (based on the average patient):

	MAXILLARY	MANDIBULAR
<b>Central</b>	4.4 mm	3.9 mm
<b>Lateral</b>	3.8 mm	3.9 mm
<b>Cuspid</b>	4.4 mm	4.6 mm
<b>1st Bicuspid</b>	4.1 mm	3.9 mm
<b>2nd Bicuspid</b>	3.6 mm	3.9 mm

## ORTHOS

tooth	torque	angle	rot.*	bracket type	part numbers			
					.018 L	.018 R	.022 L	.022 R
<b>MAXILLARY</b>								
<b>Central</b>	+15	+5	0	Twin	454-0111	454-0110	455-0111	455-0101
<b>Lateral</b>	+9	+9	-4.5°	Twin	454-0211	454-0210	455-0211	455-0210
<b>Lateral</b>	+9	+9	0°	Twin	454-0213	454-0212	455-0213	455-0212
<b>Cuspid</b>	-3	+10	0°	Twin	454-0311	454-0310	455-0311	455-0310
<b>Cuspid - hook</b>	-3	+10	0	Twin	454-1311	454-1310	455-1311	455-1310
<b>1st Bicuspid</b>	-6	0	0	Twin G/O	454-0411	454-0410	455-0411	455-0410
<b>1st Bicuspid - hook</b>	-6	0	0	Twin G/O	454-1411	454-1410	455-1411	455-1410
<b>1st Bicuspid</b>	-6	0	0	Twin	454-0413	454-0412	455-0413	455-0412
<b>1st Bicuspid - hook</b>	-6	0	0	Twin	454-1413	454-1412	455-1413	455-1412
<b>2nd Bicuspid</b>	-8	+4	0	Twin G/O	454-0511	454-0510	455-0511	455-0510
<b>2nd Bicuspid - hook</b>	-8	+4	0	Twin G/O	454-1511	454-1510	455-1511	455-1510
<b>2nd Bicuspid</b>	-8	+4	0	Twin	454-0513	454-0512	455-0513	455-0512

All hooks are disto-gingival unless otherwise noted.

\*Compensation in Slot/Distal offset

continued on next page



## ORTHOS (cont'd)

tooth	torque	angle	rot.*	bracket type	part numbers			
<b>MAXILLARY</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>2nd Bicuspid - hook</b>	-8	+4	0	Twin	454-1513	454-1512	455-1513	455-1512
<b>1st Molar</b>	-10	0	15	Accent single	340-5116	340-4116	342-5115	342-4115
<b>1st Molar - weldable</b>	-10	0	15	Peerless .045 combo	195-0210	196-0210	195-0209	196-0209
<b>2nd Molar</b>	-10	0	15	Accent single	340-5116	340-4116	342-5115	342-4115
<b>2nd Molar - weldable</b>	-10	0	15	Accent single	515-0116	514-0116	515-0115	514-0115
<b>MANDIBULAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>Central</b>	-5	+2	0	Twin	454-0615	454-0610	455-0615	455-0610
<b>Lateral</b>	-5	+4	0	Twin	454-0625	454-0620	455-0625	455-0620
<b>Lateral</b>	-5	+4	-4.5	Twin	454-0635	454-0630	455-0635	455-0630
<b>Cuspid</b>	-5	+4	-4.5	Twin	454-0711	454-0710	455-0711	455-0710
<b>Cuspid - hook</b>	-5	+4	-4.5	Twin	454-1711	454-1710	455-1711	455-1710
<b>1st Bicuspid</b>	-7	+3	0	Twin - G/O	454-0813	454-0812	455-0813	455-0812
<b>1st Bicuspid - hook</b>	-7	+3	0	Twin - G/O	454-1813	454-1812	455-1813	455-1812
<b>1st Bicuspid</b>	-7	+3	0	Twin	454-0815	454-0814	455-0815	455-0814
<b>1st Bicuspid - hook</b>	-7	+3	0	Twin	454-1815	454-1814	455-1815	455-1814
<b>2nd Bicuspid</b>	-9	+3	0	Twin - G/O	454-0911	454-0910	455-0911	455-0910
<b>2nd Bicuspid - hook</b>	-9	+3	0	Twin - G/O	454-1911	454-1910	455-1911	455-1910
<b>2nd Bicuspid</b>	-9	+3	0	Twin	454-0913	454-0912	455-0913	455-0912
<b>2nd Bicuspid - hook</b>	-9	+3	0	Twin			455-1913	455-1912
<b>1st Molar</b>	-10	0	0	Accent single	340-5118	340-4118	342-5117	342-4117
<b>1st Molar - weldable</b>	-10	0	0	Peerless .045 combo	189-0300	190-0300	189-0299	190-0299
<b>2nd Molar</b>	-10	0	5	Accent single	340-4114	340-5114	342-4113	342-5113
<b>2nd Molar - weldable</b>	-10	0	5	Accent single	514-0114	515-0114	514-0113	515-0113
<b>SINGLE-PATIENT KITS</b>								
<b>Single-Patient Kit</b>	Upper/Lower 5 – 5, hooks on Cuspids				740-1246	740-1247		

All hooks are disto-gingival unless otherwise noted.

\*Compensation in Slot/Distal offset

# TITANIUM ORTHOS™

## Straight-Wire Perfected

### COORDINATED SYSTEM

Titanium Orthos combines the scientifically-based Orthos Rx bracket and wire system with the material benefits of titanium.

- Hypoallergenic, made without nickel
- Tooth-shaped pads for ideal placement
- Biocompatible and corrosion-resistant



### FIT AND FORGET

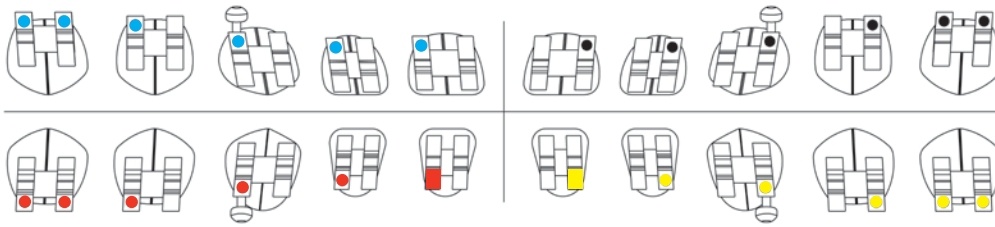
Tooth-specific pad shapes and contours make Titanium Orthos brackets easy to place for more accurate finishing and minimizes mid-treatment repositioning.

- Tooth-shaped pads on every bracket for easy and consistent placement
- Excellent mechanical bond retention due to material and pad design

### COMPENSATION IN SLOT (CIS)

Compensation is cut into the slot of the lower cuspid brackets to allow the archwire to sweep as close to the tooth surface as is practical. This allows a reduction in the profile of the lower anterior brackets. The Compensation In Slot (CIS) geometry does not "rotate" the tooth. The CIS geometry does, in conjunction with the archwires, compensate for 1st order discrepancies.

# TITANIUM ORTHOS MARKING SYSTEM



## TITANIUM ORTHOS (Available in Quad™ packaging, 10ea; single-patient kits)

tooth	torque	angle	rot.*	bracket type	part numbers			
MAXILLARY					.018 L	.018 R	.022 L	.022 R
<b>Central</b>	+22°	+5°	0°	High	448-8119	448-8118	449-8119	449-8118
<b>Central</b>	+15°	+5°	0°	Standard	448-6111	448-6110	449-6111	449-6110
<b>Lateral</b>	+14°	+9°	-4.5°	High	448-8219	448-8218	449-8219	449-8218
<b>Lateral</b>	+14°	+9°	0°	High, non CIS	448-8217	448-8216	449-8217	449-8216
<b>Lateral</b>	+9°	+9°	-4.5°	Standard	448-6211	448-6210	449-6211	449-6210
<b>Lateral</b>	+9°	+9°	0°	Standard, non CIS	448-6213	448-6212	449-6213	449-6212
<b>Lateral - hook</b>	+9°	+9°	-4.5°	Standard	448-9211	448-9212	449-9211	449-9212
<b>Cuspid</b>	+7°	+10°	0°	Super	448-8319	448-8318		
<b>Cuspid - hook</b>	+7°	+10°	0°	Super, M/G hook	448-9319	448-9318	449-9319	449-9318
<b>Cuspid</b>	-3°	+10°	0°	Standard	448-6311	448-6310	449-6311	449-6310
<b>Cuspid - hook</b>	-3°	+10°	0°	Standard	448-7311	448-7310	449-7311	449-7310
<b>1st Bicuspid</b>	-6°	0°	0°	Standard, G/O	448-6411	448-6410	449-6411	449-6410
<b>1st Bicuspid - hook</b>	-6°	0°	0°	Standard, G/O	448-6413	448-6412	449-6413	449-6412
<b>2nd Bicuspid</b>	-8°	+4°	0°	Standard, G/O	448-6511	448-6510	449-6511	449-6510
<b>2nd Bicuspid - hook</b>	-8°	+4°	0°	Standard, G/O	448-6513	448-6512	449-6513	449-6512
<b>1st Molar - hook</b>	-10°	0°	10°	Single	448-1201	448-0201	449-1201	449-0201
<b>1st Molar - hook</b>	-10°	0°	15°	Single	448-2116	448-2016	449-2116	449-2016
<b>2nd Molar - hook</b>	-10°	0°	15°	Single	448-2117	448-2017	449-2117	449-2017
<b>2nd Molar - hook</b>	-10°	0°	6°	Single	448-1202	448-0202	449-1202	449-0202
<b>2nd Molar - hook</b>	-27°	0	6	Single	448-1203	448-0203	449-1203	449-0203

All bicuspid brackets are gingivally offset.

All hooks are distolingual unless otherwise noted.

\*Compensation in Slot/Distal offset

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## TITANIUM ORTHOS (cont'd)

tooth	torque	angle	rot.*	bracket type	part numbers			
					.018 L	.018 R	.022 L	.022 R
<b>MANDIBULAR</b>								
<b>Central</b>	-5	+2	0	Standard	448-6615	448-6610	449-6615	449-6610
<b>Central</b>	-10	+2	0	Low	448-8617	448-8612	449-8617	449-8612
<b>Lateral</b>	-5°	+4°	-4.5°	Standard	448-6625	448-6620	449-6625	449-6620
<b>Lateral</b>	-5°	+4°	0°	Standard, non CIS	448-8629	448-8624	449-8629	449-8624
<b>Lateral</b>	-10°	+4°	0°	Low	448-8627	448-8622	449-8627	449-8622
<b>Cuspid</b>	+7°	+6°	-4.5°	High	448-8719	448-8718		
<b>Cuspid - hook</b>	+7°	+6°	-4.5°	High, M/G hook	448-9719	448-9718		
<b>Cuspid - hook</b>	+7°	+6°	-4.5°	High			449-9721	449-9720
<b>Cuspid</b>	+6°	+6°	-4.5°	Standard	448-6711	448-6710	449-6711	449-6710
<b>Cuspid - hook</b>	+6°	+6°	-4.5°	Standard	448-7711	448-7710	449-7711	449-7710
<b>1st Bicuspid</b>	-7°	+3°	0°	Standard, G/O	448-6813	448-6812	449-6813	449-6812
<b>1st Bicuspid - hook</b>	-7°	+3°	0°	Standard, G/O	448-6815	448-6814	449-6815	449-6814
<b>2nd Bicuspid</b>	-9°	+3°	0°	Standard, G/O	448-6911	448-6910	449-6911	449-6910
<b>2nd Bicuspid - hook</b>	-9°	+3°	0°	Standard, G/O	448-6913	448-6912	449-6913	449-6912
<b>2nd Bicuspid</b>	+17°	+3°	0°	Low, G/O	448-8917	448-8916		
<b>2nd Bicuspid - hook</b>	+17°	+3°	0°	Low, G/O	448-9917	448-9916		
<b>1st Molar - hook</b>	-10°	0°	0°	Single	448-2126	448-2026	449-2126	449-2026
<b>1st Molar - hook</b>	-22°	0°	0°	Single	448-1204	448-0204	449-1204	449-0204
<b>1st Molar - hook</b>	-22°	0°	5°	Single	448-1206	448-0206	449-1206	449-0206
<b>2nd Molar - hook</b>	-10°	0°	5°	Single	448-2127	448-2027	449-2127	449-2027
<b>2nd Molar - hook</b>	-22°	0°	5°	Single	448-1205	448-0205	449-1205	449-0205

### SINGLE-PATIENT KITS

<b>Single-Patient Kit</b>	Upper/Lower 5 – 5, hooks on Cuspids	740-1278	740-1279
<b>Single-Patient Kit</b>	Upper/Lower 7 – 7, hooks on Cuspids and Molars	740-1280	740-1281

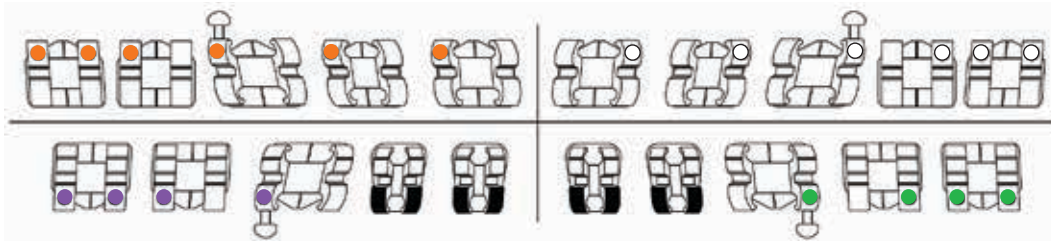
All bicuspids brackets are gingivally offset.

All hooks are disto-lingual unless otherwise noted.

\*Compensation in Slot/Distal offset

# ORTHOS AP™

## ORTHOS AP MARKING SYSTEM



- All brackets are color-coded by quadrant:
 

Upper right – Orange	Upper Left – White
Lower right – Purple	Lower Left – Green
Lower anteriors – Black	
- The dimple or paint mark is on the disto-gingival tie wing unless otherwise noted
- Upper and lower 2nd bicuspid have dimples/paint on both gingival tie wings
- Upper centrals are wider than upper laterals
- The lower laterals, cuspids and bicuspid also feature a scribe line on the occlusal tie wing

To achieve the proper expression of the Orthos appliance, all brackets should be placed at the following heights (based on the average patient):

	MAXILLARY	MANDIBULAR
Central	4.6 mm	4.0 mm
Lateral	3.9 mm	4.0 mm
Cuspid	4.7 mm	4.8 mm
1st Bicuspid	4.5 mm	4.0 mm
2nd Bicuspid	3.6 mm	4.0 mm

## ORTHOS AP (Available in Quad packaging, 10 ea)

tooth	torque	angle	rot.*	bracket type	part numbers			
<b>MAXILLARY</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Central	+11	+4	0	Twin	348-8111	348-8110	349-8111	349-8110
Lateral	+9	+6	-3	Twin	348-8211	348-8210	349-8211	349-8210
Cuspid - hook	0	+8	-4	Twin	348-9311	348-9310	349-9311	349-9310
1st Bicuspid	-2	+4	0	Twin - G/O	348-8411	348-8410	349-8411	349-8410
2nd Bicuspid	-3	+6	0	Twin - G/O	348-8511	348-8510	349-8511	349-8510
<b>MANDIBULAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Central	+3	0	0	Twin	348-8620/Universal		349-8620/Universal	
Lateral	-2	+2	-6	Twin	348-8711	348-8710		
Cuspid - hook	-2	+2	-6	Twin	348-9711	348-8812	349-9711	349-9710
1st Bicuspid	-8	+3	0	Twin - G/O	348-8813	348-8812	349-8813	349-8812
2nd Bicuspid	-8	+6	0	Twin - G/O	348-8911	348-8910	349-8911	349-8910

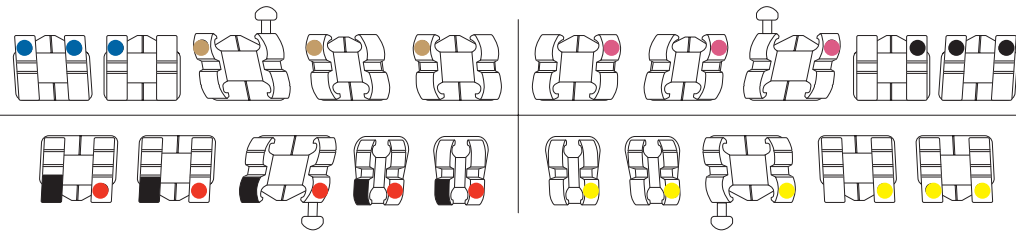
All hooks are disto-gingival unless otherwise noted.  
\*Compensation in Slot

# BIOS™ SYSTEM



Bringing Orthos Technology To A Light-Wire, High-Torque Prescription

## BIOS MARKING SYSTEM



- All brackets are color-coded by quadrant:  
**Upper right** – Blue, Tan      **Upper Left** – Pink, Black  
**Lower right** – Red              **Lower Left** – Yellow
- The dimple or paint mark will be on the disto-gingival tie wing, unless otherwise noted
- Upper and lower 2nd bicuspid have dimples/paint on both gingival tie wings
- Upper centrals are wider than upper laterals
- Lower laterals, cuspids and bicuspid also feature a scribe line on the occlusal tie wings

- Because of the specificity of the Bios appliance, there are no universal brackets

To achieve the proper expression of the Bios appliance, all brackets should be placed at the following heights (based on the average patient):

	MAXILLARY	MANDIBULAR
<b>Central</b>	4.4 mm	3.9 mm
<b>Lateral</b>	3.8 mm	3.9 mm
<b>Cuspid</b>	4.4 mm	4.6 mm
<b>1st Bicuspid</b>	4.1 mm	3.9 mm
<b>2nd Bicuspid</b>	3.6 mm	3.9 mm

## BIOS

tooth	torque	angle	rot.*	bracket type	part numbers			
					.018 L	.018 R	.022 L	.022 R
<b>MAXILLARY</b>								
<b>Central</b>	+22	+5	0	Twin	348-6119	348-6118		
<b>Lateral</b>	+14	+9	-4.5	Twin	348-6219	348-6218		
<b>Cuspid</b>	+7	+10	0	Twin	348-6319	348-6318		
<b>Cuspid - hook</b>	+7	+10	0	Twin, M/G hook	348-7319	348-7318		
<b>1st Bicuspid</b>	-6	0	0	Twin			455-0413	455-0412

All hooks are disto-gingival unless otherwise noted.

\*Compensation in Slot/Distal offset

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## BIOS (cont'd)

tooth	torque	angle	rot.*	bracket type	part numbers			
<b>MAXILLARY</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>1st Bicuspid - hook</b>	-6	0	0	Twin, G/O			455-1411	455-1410
<b>2nd Bicuspid</b>	-8	+4	0	Twin, G/O			455-0511	455-0510
<b>2nd Bicuspid - hook</b>	-8	+4	0	Twin, G/O			455-1511	455-1510
<b>1st Molar</b>	-10	0	15	Accent double	340-1240	340-0240	342-1239	342-0239
<b>1st Molar - weldable</b>	-10	0	15	Accent double	521-0238	520-0238	521-0239	520-0239
<b>2nd Molar</b>	-10	0	15	Accent single, distal extension	340-5216	340-4216	342-5215	342-4215
<b>2nd Molar - weldable</b>	-10	0	15	Accent single, distal extension	515-0216	514-0216	515-0215	514-0215
<b>MANDIBULAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>Central</b>	-5	+2	0	Twin			455-0615	455-0610
<b>Lateral</b>	-5	+4	0	Twin			455-0625	455-0620
<b>Cuspid</b>	+7	+6	-4.5	Twin	348-6719	348-6718		
<b>Cuspid - hook</b>	+7	+6	-4.5	Twin, M/G hook	348-7719	348-7718		
<b>Cuspid - hook</b>	+7	+6	-4.5	Twin			455-1721	455-1720
<b>1st Bicuspid</b>	-7	+3	0	Twin - G/O			455-0813	455-0812
<b>1st Bicuspid - hook</b>	-7	+3	0	Twin - G/O			455-1813	455-1812
<b>2nd Bicuspid</b>	-17	+3	0	Twin - G/O	348-6917	348-6916		
<b>2nd Bicuspid - hook</b>	-17	+3	0	Twin - G/O	348-7917	348-7916		
<b>2nd Bicuspid</b>	-17	+3	0	Twin	454-0919	454-0918		
<b>2nd Bicuspid - hook</b>	-17	+3	0	Twin	454-1919	454-1918		
<b>1st Molar</b>	-27	0	+5	Accent double	340-5132	340-4132	342-1231	342-0231
<b>1st Molar - hook - weldable</b>	-27	0	+5	Accent double	521-0232	520-0232	521-0231	520-0231
<b>2nd Molar</b>	-27	0	+5	Accent single, distal extension	340-5232	340-4232	342-5231	342-4231
<b>2nd Molar - hook - weldable</b>	-27	0	+5	Accent single, distal extension	515-0232	514-0232	515-0231	514-0231

All hooks are disto-gingival unless otherwise noted.  
\*Compensation in Slot/Distal offset

# MINI DIAMOND™ TWIN



The Mini Diamond was developed in response to a patient need for a smaller, more aesthetic metal bracket. Mini Diamond offers improved aesthetics in a miniaturized bracket without compromising function.

- Designed for patient comfort
- Improved utility with refined Hemi Hooks™ and permanent I.D. marking system
- Made from extremely durable stainless steel for strength and performance

## MINI DIAMOND TWIN

tooth	torque	angle	bracket type	M/D	I/O	part numbers			
MAXILLARY				In Millimeters		.018 L	.018 R	.022 L	.022 R
Central	0	0	Twin	3.8	0.8	350-0104/Universal		351-0104/Universal	
Central	+7	+5	Twin	3.8	0.8	350-0121	350-0120	351-0121	351-0120
Central	+14	+5	Twin	3.8	0.8	350-0131	350-0130	351-0131	351-0130
Central	+14	+5	Twin	3.4	0.8	350-0171	350-0170	351-0171	351-0170
Central	+22	+5	Twin	3.8	0.8	350-0141	350-0140	351-0141	351-0140
Central	+22	+5	Twin	3.4	0.8	350-0181	350-0180	351-0181	351-0180
Lateral	0	0	Twin	3.1	1.0	350-0204/Universal		351-0204/Universal	
Lateral	0	+8	Twin	3.1	1.0	350-0211	350-0210		
Lateral	+3	+8	Twin	3.1	1.0	350-0241	350-0240	351-0241	351-0240
Lateral	+7	+8	Twin	3.1	1.0	350-0251	350-0250	351-0251	351-0250
Lateral - hook	+7	+8	Twin	3.1	1.0	350-1251	350-1250	351-1251	351-1250
Lateral	+7	+8	Twin	2.7	0.8	350-0271	350-0270	351-0271	351-0270
Lateral - hook	+7	+8	Twin	2.7	0.8	350-2271	350-2270		
Lateral	+14	+8	Twin	3.1	0.8	350-0231	350-0230	351-0231	351-0230
Lateral	+14	+8	Twin	3.1	0.8	350-0261	350-0260	351-0261	351-0260

All hooks are disto-gingival unless otherwise noted.

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## MINI DIAMOND TWIN (cont'd)

tooth	torque	angle	bracket type	M/D	I/O	part numbers				
MAXILLARY						In Millimeters	.018 L	.018 R	.022 L	.022 R
Cuspid	+7	+10	Twin	3.4	0.5	350-0341	350-0340	351-0341	351-0340	
Cuspid - hook	+7	+10	Twin	3.4	0.5	350-1341	350-1340			
Cuspid - hook	+7	+10	Twin, M/G hook	3.4	0.5	350-1361	350-1360			
Cuspid/Bicuspid - hook	+7	+10	Twin	3.2	0.5	350-1381	350-1380	351-1381	351-1380	
Bicuspid	-7	0	Twin	3.2	0.5	350-0514/Universal		351-0514/Universal		
Bicuspid	-7	0	Twin, G/O	3.2	0.5	351-0534/Universal		351-0534/Universal		
Bicuspid - hook	-7	0	Twin	3.2	0.5	350-1511	350-1510	351-1511	351-1510	
Bicuspid	0	0	Twin	3.2	0.5	350-0506/Universal		351-0506/Universal		
Bicuspid	0	0	Twin, G/O	3.2	0.5	350-0526/Universal		351-0526/Universal		
MANDIBULAR						In Millimeters	.018 L	.018 R	.022 L	.022 R
Anterior	-6	0	Twin, semi-wedge	2.3	1.2	350-0035/Universal		351-0035/Universal		
Anterior	-1	0	Twin, semi-wedge on mini pad	2.3	1.2	350-0025/Universal		351-0025/Universal		
Anterior	-1	0	Twin, semi-wedge	2.3	1.2	350-0065/Universal		351-0065/Universal		
Anterior	0	0	Twin, semi-wedge	2.3	1.2	350-0015/Universal		351-0015/Universal		
Anterior	+4	0	Twin, semi-wedge	2.3	1.2			351-0045/Universal		
Cuspid	-11	+6	Twin	3.2	0.4	350-0443	350-0442	351-0443	351-0442	
Cuspid - hook	-11	+6	Twin	3.2	0.4	350-1443	350-1442	351-1443	351-1442	
Cuspid	-7	+6	Twin	3.2	0.4	350-0433	350-0432	351-0433	351-0432	
Cuspid - hook	-7	+6	Twin	3.2	0.4	350-1433	350-1432	351-1433	351-1432	
Cuspid	0	+6	Twin	3.2	0.4	350-0423	350-0422	351-0423	351-0422	
Cuspid - hook	0	+6	Twin	3.2	0.4	350-1423	350-1422	351-1423	351-1422	
Cuspid	+7	+5	Twin	3.2	0.4	350-0463	350-0462	351-0463	351-0462	
Cuspid - hook	+7	+5	Twin, M/G hook	3.2	0.4	350-1473	350-1472			
1st Bicuspid	-17	0	Twin	3.2	0.5	350-0625/Universal		351-0735/Universal		
1st Bicuspid - hook	-17	0	Twin	3.2	0.5	350-1623	350-1622	351-1623	351-1622	
1st Bicuspid	-17	0	Twin	3.2	0.5	350-0645/Universal		351-0645/Universal		
1st Bicuspid - hook	-17	0	Twin	3.2	0.5	350-1643	350-1642	351-1643	351-1642	
1st Bicuspid	-11	0	Twin	3.2	0.5	350-0615/Universal		351-0615/Universal		
1st Bicuspid - hook	-11	0	Twin	3.2	0.5	350-1613	350-1612	351-1613	351-1612	
1st Bicuspid	-11	0	Twin	3.2	0.5	350-0635/Universal		351-0635/Universal		
1st Bicuspid - hook	-11	0	Twin	3.2	0.5	350-1633	350-1632	351-1633	351-1632	
2nd Bicuspid	-22	0	Twin	3.2	0.5	350-0735/Universal		351-0735/Universal		
2nd Bicuspid - hook	-22	0	Twin	3.2	0.5	350-1733	350-1732	351-1733	351-1732	
2nd Bicuspid	-22	0	Twin	3.2	0.5	350-0755/Universal		351-0755/Universal		
2nd Bicuspid - hook	-22	0	Twin	3.2	0.5	350-1753	350-1752	351-1753	351-1752	
2nd Bicuspid	-17	0	Twin	3.2	0.5	350-0735/Universal		351-0735/Universal		
2nd Bicuspid - hook	-17	0	Twin	3.2	0.5	350-1723	350-1722	351-1723	351-1722	
2nd Bicuspid	-17	0	Twin	3.2	0.5	350-0735/Universal		351-0735/Universal		
2nd Bicuspid - hook	-17	0	Twin	3.2	0.5	350-1743	350-1742	351-1743	351-1742	
SINGLE PATIENT KITS						.018		.022		
U/L 5-5 LA MOD						740-0300		740-0301		

All hooks are disto-gingival unless otherwise noted.

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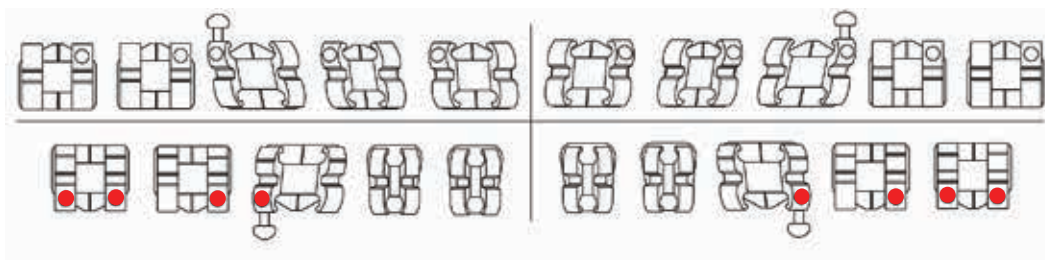
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APPLIANCE SYSTEMS

# MINI DIAMOND™

## MINI DIAMOND MARKING SYSTEM



- Open dimple (°) = Maxillary
- Red dimple (•) = Mandibular
- On Mini Diamond or other angulated assemblies, the dimple is on the disto-gingival tie wing (twin) or gingival tie wing (single)
- On non-angulated assemblies, dimples can be on either gingival tie wing
- On lower bicuspid, where torques differ, the 2nd bicuspid have dimples on both gingival tie wings
- The lower cuspids and bicuspid also feature a scribe line on the occlusal tie wings

## MINI DIAMOND VERTICAL SLOT (.018 x .018)

tooth	torque	angle	bracket type	M/D	I/O	part numbers			
<b>MAXILLARY</b>				<b>In Millimeters</b>		<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>Central</b>	+14	+5	Vertical Slot	3.4	0.8	350-6131	350-6130	351-6131	351-6130
<b>Lateral</b>	+7	+8	Vertical Slot	2.7	1.1	350-6251	350-6250	351-6251	351-6250
<b>Cuspid</b>	0	+10	Vertical Slot	3.2	0.6	350-6331	350-6330	351-6331	351-6330
<b>Cuspid - hook</b>	0	+10	Vertical Slot	3.2	0.6	350-7331	350-7330	351-7331	351-7330
<b>Bicuspid</b>	-7	0	Vertical Slot	3.2	0.6	350-6514/Universal		351-6514/Universal	
<b>Bicuspid</b>	-7	0	Vertical Slot, G/O	3.2	0.6	350-6534/Universal		351-6534/Universal	
<b>Bicuspid</b>	0	0	Vertical Slot	3.2	0.6			351-6506/Universal	
<b>Bicuspid</b>	0	0	Vertical Slot, G/O	3.2	0.6	350-6536/Universal		351-6536/Universal	
<b>MANDIBULAR</b>				<b>In Millimeters</b>		<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>Anterior</b>	-1	0	Vertical Slot, semi-wedge	2.3	1.3	350-6025/Universal		351-6025/Universal	
<b>Cuspid</b>	-7	+6	Vertical Slot	3.2	0.6	350-6433	350-6432	351-6433	351-6432
<b>Cuspid - hook</b>	-7	+6	Vertical Slot	3.2	0.6	350-7433	350-7432	351-7433	351-7432
<b>1st Bicuspid</b>	-11	0	Vertical Slot	3.2	0.6	350-6615/Universal		351-6615/Universal	
<b>1st Bicuspid</b>	-11	0	Vertical Slot, G/O	3.2	0.6	350-6635/Universal		351-6635/Universal	
<b>2nd Bicuspid</b>	-17	0	Vertical Slot	3.2	0.6	350-6725/Universal		351-6725/Universal	
<b>2nd Bicuspid</b>	-17	0	Vertical Slot, G/O	3.2	0.6	350-6745/Universal		351-6745/Universal	

All hooks are disto-gingival unless otherwise noted.

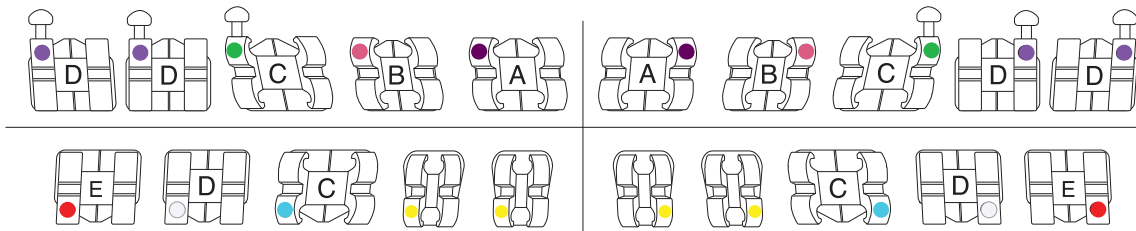
# MINI-TWIN™



The Mini-Twin brings a rhomboid design to a Straight-Wire™ appliance system. The Mini-Twin is designed to give you the control you demand in an appliance that is more aesthetic and comfortable for your patients.

- Mini-Twin appliances feature 80 guage mesh pads on both upper and lower bicuspids
- The vertical scribe line aligns with the crown-long axis, simplifying bracket placement. As is the case with all Straight-Wire appliances, the archwire slot of Mini-Twin appliances is engineered to align with the horizontal axis of the tooth
- Mini-Twins are available in Andrews and Roth\* prescriptions, and are fully interchangeable with any other Straight-Wire appliance system. Options include hooks/no hooks, gingival offsets on bicuspids, super torque on upper anteriors and surgical sets

## MINI-TWIN MARKING SYSTEM



Bracket ID illustration represents the Andrews prescription.

The color ID is on the disto-gingival tie wing, so that bracket identification is easy. For added accuracy, the upper brackets have a cast dot ID and all brackets have cast letters in the saddle of the bracket identifying the tooth position.

	central	lateral	cuspid	1 <sup>st</sup> bicuspid	2 <sup>nd</sup> bicuspid
<b>UPPER</b>	<b>Dark Blue</b>	<b>Pink</b>	<b>Green</b>	<b>Purple</b>	<b>Purple</b>
<b>Andrews</b>	D/G dot, "A"	D/G dot, "B"	D/G dot, "C"	D/G dot, "D"	D/G dot, "D"
<b>Roth*</b>	D/G dot, "X"	D/G dot, "Y"	D/G dot, "H"	D/G dot, "J"	D/G dot, "J"
<b>Super Torque</b>	D/G dot, "L"	D/G dot, "O"	D/G dot, "N"		
<b>Surgical Set</b>			D/G dot, "S"		
<b>LOWER</b>	<b>Yellow</b>	<b>Yellow</b>	<b>Light Blue</b>	<b>White</b>	<b>Red</b>
<b>Andrews</b>	No mark	No mark	D/G dot, "C"	D/G dot, "D"	D/G dot, "E"
<b>Roth*</b>	No mark	No mark	D/G dot, "H"	D/G dot, "J"	D/G dot, "K"

All hooks are disto-gingival unless otherwise noted.

\* Does not imply endorsement.

## MINI-TWIN (Available in Quad packaging, 10 ea.)

tooth	torque	angle	rot.	bracket type	part numbers			
MAXILLARY					.018 L	.018 R	.022 L	.022 R
Central	+17°	+5°	0°	Twin	328-0141	328-0140	329-0141	329-0140
Central	+12°	+5°	0°	Twin	328-0111	328-0110	329-0111	329-0110
Central	+7°	+5°	0°	Twin	328-0121	328-0120	329-0121	329-0120
Lateral	+3°	+9°	0°	Twin	328-0221	328-0220	329-0221	329-0220
Lateral	+8°	+9°	0°	Twin	328-0211	328-0210	329-0211	329-0210
Lateral	+10°	+9°	0°	Twin	328-0241	328-0240	329-0241	329-0240
Lateral – hook	+3°	+9°	0°	Twin	328-1221	328-1220		
Cuspid	-7°	+11°	0°	Twin	328-0321	328-0320	329-0321	329-0320
Cuspid	-2°	+9°	4°	Twin			329-0351	329-0350
Cuspid	-2°	+13°	4°	Twin			329-0313	329-0312
Cuspid – hook	-7°	+11°	0°	Twin	328-1321	328-1320	329-1321	329-1320
Cuspid – hook	-2°	+9°	4°	Twin	328-1351	328-1350	329-1351	329-1350
Cuspid – hook	-2°	0°	4°	Twin	328-1317	328-1316		
Cuspid – hook	-2°	+13°	4°	Twin, long radius			329-1311	329-1310
Cuspid – hook	-2°	+13°	4°	Twin	328-1313	328-1312	329-1313	329-1312
Cuspid – hook	0°	+6°	0°	Twin	328-1331	328-1330	329-1331	329-1330
Cuspid – hook	+3°	+9°	4°	Twin			329-1341	329-1340
Bicuspid	-7°	0°	2°	Twin	428-0511	428-0510	429-0511	429-0510
Bicuspid	-7°	0°	0°	Twin	428-0521	428-0520	429-0521	429-0520
Bicuspid	-7°	0°	0°	Twin, G/O	428-0571	428-0570	429-0571	429-0570
Bicuspid	-7°	0°	2°	Twin, G/O	428-0575	428-0574	429-0575	429-0574
Bicuspid – hook	-7°	0°	2°	Twin	428-1511	428-1510	429-1511	429-1510
Bicuspid – hook	-7°	0°	0°	Twin	428-1521	428-1520	429-1521	429-1520
Bicuspid – hook	-7°	0°	0°	Twin, G/O	428-1571	428-1570	429-1571	429-1570
Bicuspid – hook	-7°	0°	2°	Twin, G/O			429-1573	429-1572
Bicuspid – hook	-7°	0°	2°	Twin, M/G hook			429-2511	429-2510
Bicuspid – hook	-7°	0°	0°	Twin, M/G hook	428-2521	428-2520		
MANDIBULAR					.018 L	.018 R	.022 L	.022 R
Anterior	-1°	0°	0°	Twin	328-0021	328-0020	329-0021	329-0020
Anterior – hook	-1°	0°	0°	Twin	328-1021	328-1020		
Cuspid	-11°	+5°	0°	Twin	328-0421	328-0420	329-0421	329-0420
Cuspid	-11°	+7°	2°	Twin			329-0411	329-0410
Cuspid – hook	-11°	+5°	0°	Twin	328-1421	328-1420	329-1421	329-1420

All hooks are disto-gingival unless otherwise noted.

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## MINI-TWIN (cont'd)

tooth	torque	angle	rot.	bracket type	part numbers			
					.018 L	.018 R	.022 L	.022 R
<b>MANDIBULAR</b>								
<b>Cuspid – hook</b>	-11°	+7°	2°	Twin	328-1411	328-1410	329-1411	329-1410
<b>Cuspid – hook</b>	0°	+5°	0°	Twin	328-1431	328-1430	329-1431	329-1430
<b>1st Bicuspid</b>	-17°	0°	4°	Twin	428-0611	428-0610	429-0611	429-0610
<b>1st Bicuspid</b>	-17°	0°	0°	Twin	428-0621	428-0620	429-0621	429-0620
<b>1st Bicuspid</b>	-17°	0°	0°	Twin, G/O	428-0671	428-0672	429-0671	429-0674
<b>1st Bicuspid</b>	-17°	0°	4°	Twin, G/O			429-0673	429-0672
<b>1st Bicuspid – hook</b>	-17°	0°	4°	Twin	428-1611	428-1610	429-1611	429-1610
<b>1st Bicuspid – hook</b>	-17°	0°	0°	Twin	428-1621	428-1620	429-1621	429-1620
<b>1st Bicuspid – hook</b>	-17°	0°	0°	Twin, G/O			429-1671	429-1670
<b>1st Bicuspid – hook</b>	-17°	0°	4°	Twin, G/O	428-1673	428-1672	429-1673	429-1672
<b>2nd Bicuspid</b>	-22°	0°	4°	Twin	428-0711	428-0710	429-0711	429-0710
<b>2nd Bicuspid</b>	-22°	0°	0°	Twin	428-0721	428-0720	429-0721	429-0720
<b>2nd Bicuspid</b>	-22°	0°	4°	Twin, G/O	428-0771	428-0770	429-0771	429-0770
<b>2nd Bicuspid</b>	-22°	0°	0°	Twin, G/O	428-0773	428-0772	429-0773	429-0772
<b>2nd Bicuspid – hook</b>	-22°	0°	4°	Twin	428-1711	428-1710	429-1711	429-1710
<b>2nd Bicuspid – hook</b>	-22°	0°	0°	Twin	428-1721	428-1720	429-1721	429-1720
<b>2nd Bicuspid – hook</b>	-22°	0°	0°	Twin, G/O			429-1771	429-1770
<b>2nd Bicuspid – hook</b>	-22°	0°	4°	Twin, G/O			429-1773	429-1772

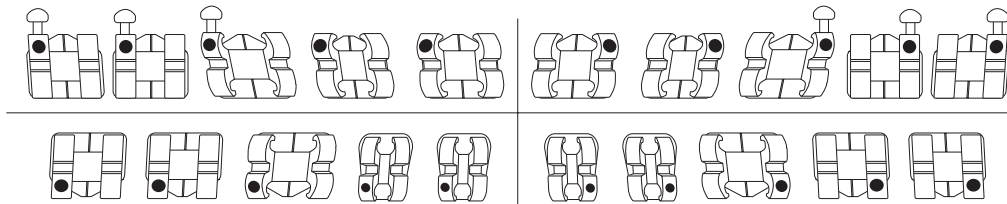
All hooks are disto-gingival unless otherwise noted.

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# MINI-TWIN VS™

The color ID is on the disto-gingival tie wing, so that bracket identification is easy. For added accuracy the upper brackets have a cast dot ID. The vertical slot is an .018 x .018 dimension.

## MINI-TWIN VERTICAL SLOT MARKING SYSTEM



	central	lateral	cuspid	1 <sup>st</sup> bicuspid	2 <sup>nd</sup> bicuspid
<b>UPPER*</b>	Blue	Pink	Green	Purple	Purple
<b>Roth*</b>	D/G dot	D/G dot	D/G dot	D/G dot	D/G dot
<b>Bi-dimensional</b>	D/G dot	D/G dot, M/G	D/G dot, M/O	D/G dot, D/O	D/G dot, D/O
<b>UPPER*</b>	Yellow	Yellow	Light Blue	White	Red
<b>Roth*</b>	D/G dash	D/G dash	D/G dash, M/G	D/G dash, O/M	D/G dash, D/O
<b>Bi-dimensional</b>	D/G dash	D/G dash	D/G dash, M/G	D/G dash, O/M	D/G dash, D/O

All hooks are disto-gingival unless otherwise noted. \* Does not imply endorsement.

## MINI-TWIN VERTICAL SLOT

tooth	torque	angle	rot.	bracket type	part numbers			
MAXILLARY					.018 L	.018 R	.022 L	.022 R
<b>Central</b>	+12°	+5°	0°	Twin	318-0111	318-0110	319-0111	319-0110
<b>Lateral</b>	+8°	+9°	0°	Twin	318-0211	318-0210	319-0211	319-0210
<b>Cuspid</b>	-2°	+13°	4°	Twin			319-0311	319-0310
<b>Cuspid – hook</b>	-2°	+13°	4°	Twin	318-1311	318-1310	319-1311	319-1310
<b>Cuspid – hook</b>	-2°	+9°	4°	Twin, large radius	318-1351	318-1350		
<b>Bicuspid</b>	-7°	0°	2°	Twin	492-0511	492-0510	493-0511	493-0510
<b>Bicuspid – hook</b>	-7°	0°	2°	Twin			493-1511	493-1510
MANDIBULAR					.018 L	.018 R	.022 L	.022 R
<b>Anterior</b>	-1°	+2°	0°	Twin	318-0021	318-0020	319-0021	319-0020
<b>Cuspid</b>	-11°	+7°	2°	Twin			319-0411	319-0410
<b>Cuspid – hook</b>	-11°	+7°	2°	Twin	318-1411	318-1410	319-1411	319-1410
<b>1st Bicuspid</b>	-17°	-1°	4°	Twin			493-0611	493-0610
<b>1st Bicuspid – hook</b>	-17°	-1°	4°	Twin			493-1611	493-1610
<b>2nd Bicuspid</b>	-22°	-1°	4°	Twin			493-0711	493-0710
<b>2nd Bicuspid – hook</b>	-22°	-1°	4°	Twin	492-1711	492-1710	493-1711	493-1710

All hooks are disto-gingival unless otherwise noted.

# STRAIGHT-WIRE™ SYNTHESIS



## TRADITIONAL STRAIGHT-WIRE FEATURES

**Compound Contour** – Each Synthesis bracket is designed with tooth-specific contours in the base. These contours mirror the anatomy of the middle third of each tooth for ease of placement and optimal fit.

**Torque-in-Base** – With the Synthesis appliance, the center of the slot and the center of the base are always on the same plane. Torque-in-base is designed for consistent placement and makes level slot lineup possible.

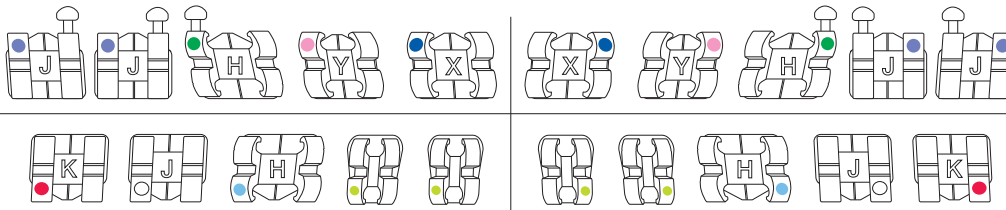
**Level Slot Lineup for Less Wire Bending** – With the Synthesis appliance, the slot of the bracket is parallel to the occlusal plane of the arch, helping to eliminate time-consuming wire bends.

## PROVEN ENHANCEMENTS

**Rhomboid Design** – The rhomboid bracket and pad design, incorporated throughout the Synthesis System, provides numerous references for easier bracket placement. The horizontal aspects align parallel to the occlusal plane and the vertical aspects align parallel to the crown-long axis of each tooth. These visual cues aid in bracket placement.

**Functionality with Aesthetics** – Synthesis is engineered to combine the rotational control of the Straight-Wire™ appliance with the aesthetics of the Mini-Twin in applicable brackets.

## STRAIGHT-WIRE SYNTHESIS MARKING SYSTEM



For your convenience and ease-of-use, we have maintained the traditional Straight-Wire color identification on the disto-gingival tie wing and the letter marking on the bracket.

	central	lateral	cuspid	1 <sup>st</sup> bicuspid	2 <sup>nd</sup> bicuspid
<b>UPPER*</b>	Blue	Pink	Green	Purple	Purple
<b>Roth*</b>	D/G dot, "X"	D/G dot, "Y"	D/G dot, "H"	D/G dot, "J"	D/G dot, "J"
<b>LOWER*</b>	Yellow	Yellow	Light Blue	White	Red
<b>Roth*</b>	No mark	No mark	D/G dot, "H"	D/G dot, "J"	D/G dot, "K"

\* Does not imply endorsement.

## STRAIGHT-WIRE™ SYNTHESIS

tooth	inclin.	angle	rot.	bracket type	part numbers			
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
Lateral	+8°	+9°	0°	Twin	338-0211	338-0210	339-0211	339-0210
Lateral	+10°	+9°	0°	Twin	338-0241	338-0240	339-0241	339-0240
Cuspid - hook	+3	+9	+4	Twin	338-1341	338-1340	339-1341	339-1340
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			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
Bicuspid	-7°	0°	+2°	Twin	338-0531	338-0530	339-0531	339-0530
Bicuspid - hook	-7°	0°	+2°	Twin	338-1531	338-1530	339-1531	339-1530
Bicuspid - hook	-7°	0°	+2°	Twin, M/G hook	338-2531	338-2530	339-2531	339-2530
Bicuspid - hook	-7°	0°	+2°	Twin, G/O, M/G hook	338-2511	338-2510	339-2511	339-2510
Bicuspid	-7°	+2°	0°	Twin, G/O	338-0521	338-0520	339-0521	339-0520
Bicuspid	-7°	+2°	0°	Twin			339-0541	339-0540
Bicuspid - hook	-7°	+2°	0°	Twin	338-2543	338-2542	339-2543	339-2542
Bicuspid - hook	-7°	+2°	0°	Twin, G/O	338-2523	338-2522	339-2523	339-2522
Bicuspid - hook	-7°	+2°	0°	Twin, M/G hook			339-2541	339-2540
Bicuspid - hook	-7°	+2°	0°	Twin, G/O, M/G hook	338-2521	338-2520	339-2521	339-2520

All hooks are disto-gingival unless otherwise noted.  
See your Ormco representative about bondable molar tube options.

[continued on next page](#)



## STRAIGHT-WIRE™ SYNTHESIS (cont'd)

tooth	inclin.	angle	rot.	bracket type	part numbers			
					.018 L	.018 R	.022 L	.022 R
<b>MANDIBULAR</b>								
Anterior	-1°	+2°	0°	Twin	338-0011	338-0010	339-0011	339-0010
Anterior	-6°	+2°	0°	Twin	338-0021	338-0020	339-0021	339-0020
Cuspid	-11°	+5°	0°	Twin			339-0421	339-0420
Cuspid – hook	-11°	+5°	0°	Twin	338-1421	338-1420	339-1421	339-1420
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
1st Bicuspid	-17°	-1°	+4°	Twin, G/O	338-0611	338-0610	339-0611	339-0610
1st Bicuspid	-17°	-1°	+4°	Twin	338-0631	338-0630	339-0631	339-0630
1st Bicuspid – hook	-17°	-1°	+4°	Twin, G/O	338-1611	338-1610	339-1611	339-1610
1st Bicuspid – hook	-17°	-1°	+4°	Twin	338-1631	338-1630	339-1631	339-1630
1st Bicuspid	-17°	+2°	0°	Twin, G/O			339-0621	339-0620
1st Bicuspid	-17°	+2°	0°	Twin			339-0641	339-0640
1st Bicuspid – hook	-17°	+2°	0°	Twin, G/O, M/G hook	338-2621	338-2620	339-2621	339-2620
1st Bicuspid – hook	-17°	+2°	0°	Twin, M/G hook			339-2641	339-2640
1st Bicuspid – hook	-17°	+2°	0°	Twin, D/G hook			339-2643	339-2642
1st Bicuspid – hook	-17°	+2°	0°	Twin, G/O, D/G hook	338-2623	338-2622	339-2623	339-2622
2nd Bicuspid	-22°	-1°	+4°	Twin, G/O	338-0711	338-0710	339-0711	339-0710
2nd Bicuspid	-22°	-1°	+4°	Twin	338-0731	338-0730	339-0731	339-0730
2nd Bicuspid – hook	-22°	-1°	+4°	Twin			339-1731	339-1730
2nd Bicuspid – hook	-22°	-1°	+4°	Twin, G/O			339-1711	339-1710
2nd Bicuspid	-22°	+2°	0°	Twin, G/O			339-0721	339-0720
2nd Bicuspid	-22°	+2°	0°	Twin			339-0741	339-0740
2nd Bicuspid – hook	-22°	+2°	0°	Twin			339-2743	339-2742
2nd Bicuspid – hook	-22°	+2°	0°	Twin, G/O	338-2723	338-2722	339-2723	339-2722
2nd Bicuspid – hook	-22°	+2°	0°	Twin, M/G hook			339-2741	339-2740
2nd Bicuspid – hook	-22°	+2°	0°	Twin, G/O, M/G hook	338-2721	338-2720	339-2721	339-2720

All hooks are disto-gingival unless otherwise noted.

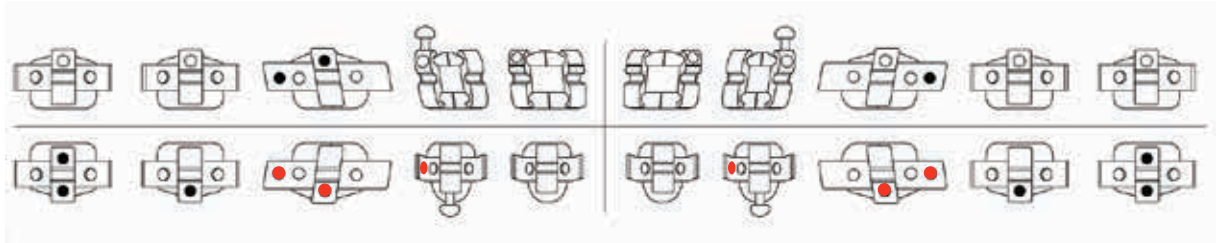
## COMPLEMENTARY PRODUCTS

See various sections of this catalog for the following products that complement Synthesis brackets.

- Standard High-Retention Bands
- Archwires in the Tru-Arch Arch Form (Stainless Steel, Align SE 200 and Copper Ni-Ti)
- Direct Bond and Weldable Buccal Tubes

# MINI-WICK SYSTEM™

## MINI-WICK MARKING SYSTEM



- Open dimple (°) = Maxillary
- Red dimple (•) = Mandibular
- In order to provide left/right identification, all left Mini-Wick cuspid have a Black (maxillary) or a Red (mandibular) mark on the distal rotation wing (only left assemblies feature a distal mark)
- Mini-Wick lower 2nd bicuspid have Red dimples on both gingival and occlusal tie wings
- The angulated lower laterals have an arrowhead on the gingival tie wing that points to distal
- The lower cuspid and bicuspid also feature a scribe line on the occlusal tie wings

## MINI-WICK

tooth	torque	angle	bracket type	part numbers			
<b>MAXILLARY</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Central	+14°	+5°	Twin	350-0131	350-0130	351-0131	351-0130
Lateral – hook	+7°	+8°	Twin	350-1251	350-1250	351-1251	351-1250
Cuspid	-3°	+10°	Flat wing	350-3311	350-3310	351-3311	351-3310
Cuspid – hook	-3°	+10°	Flat wing	350-4311	350-4310	351-4311	351-4310
Bicuspid	-7°	0°	Raised wing	350-3514/Universal		351-3514/Universal	
Bicuspid	-7°	0°	Raised wing, G/O	350-3524/Universal		351-3524/Universal	
Bicuspid – hook	-7°	0°	Raised wing	350-4514/Universal		351-4514/Universal	
<b>MANDIBULAR</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Anterior	-1°	0°	Curved wing, semi-wedge	350-3045/Universal		351-3045/Universal	
Anterior – hook	-1°	0°	Curved wing, semi-wedge	350-4045/Universal			
Anterior	-5°	0°	Curved wing, semi-wedge	350-3055/Universal		351-3055/Universal	
Anterior	-5°	0°	Curved wing, semi-wedge	350-3025/Universal		351-3025/Universal	
Anterior – hook	-5°	0°	Curved wing, semi-wedge	350-4025/Universal		351-4025/Universal	

All hooks are disto-gingival unless otherwise noted.

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## MINI-WICK (cont'd)

tooth	torque	angle	bracket type	part numbers			
				.018 L	.018 R	.022 L	.022 R
<b>MANDIBULAR</b>							
<b>Central</b>	-5°	+2°	Curved wing, semi-wedge	350-3073	350-3072	351-3073	351-3072
<b>Lateral – hook</b>	-5°	+6°	Curved wing, semi-wedge	350-4063	350-4062	355-4063	355-4062
<b>Cuspid</b>	-7°	+6°	Flat wing	350-3343	350-3342	351-3343	351-3342
<b>Cuspid – hook</b>	-7°	+6°	Flat wing	350-4343	350-4342	351-4343	351-4342
<b>1st Bicuspid</b>	-11°	0°	Raised wing	350-3615/Universal		351-3615/Universal	
<b>1st Bicuspid</b>	-11°	0°	Raised wing, G/O	350-3625/Universal		351-3625/Universal	
<b>1st Bicuspid – hook</b>	-11°	0°	Raised wing	350-4615/Universal		351-4615/Universal	
<b>2nd Bicuspid</b>	-17°	0°	Raised wing	350-3725/Universal		351-3725/Universal	
<b>2nd Bicuspid</b>	-17°	0°	Raised wing, G/O	350-3735/Universal		351-3735/Universal	
<b>2nd Bicuspid – hook</b>	-17°	0°	Raised wing	350-4725/Universal		351-4725/Universal	

All hooks are disto-gingival unless otherwise noted.

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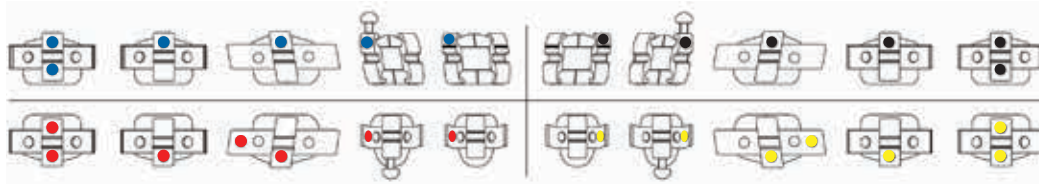
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# ALEXANDER SIGNATURE LINE™

## ALEXANDER SIGNATURE LINE MARKING SYSTEM



All brackets are color coded by quadrant

Upper right – Blue

Lower right – Red

Upper Left – Black

Lower Left – Yellow

## ALEXANDER SIGNATURE LINE

tooth	torque	angle	rot*	bracket type	part numbers	
<b>MAXILLARY</b>					<b>.018L</b>	<b>.018R</b>
Central	+15°	+5°	0°	Twin	454-0111	454-0110
Lateral – hook	+9°	+9°	-4.5°	Twin	454-1211	454-1210
Cuspid	-3	+10	0	Flat wing	354-3311	354-3310
1st Bicuspid	-6°	0°	0°	Raised wing, G/O	354-3511	354-3510
2nd Bicuspid	-8°	+4°	0°	Raised wing, G/O	354-3515	354-3514
1st Molar	-10°	0°	0°	Peerless single	340-2359	340-2259
1st Molar – weldable	-10°	0°	15°	Peerless .045 combo	195-0210	196-0210
2nd Molar	-10	0	+15	Accent Terminal, distal extension	340-5216	340-4216
2nd Molar - weldable	-10	0	+15	Accent Terminal, distal extension	515-0216	514-0216
<b>MANDIBULAR</b>					<b>.018L</b>	<b>.018R</b>
Central	-5	+2	0	Curved wing	354-4073	354-4072
Lateral - hook	-5	+6	0	Curved wing	354-4063	354-4062
Cuspid	-7	+6	0	Flat wing	354-3343	354-3342
1st Bicuspid	-7	0	0	Raised wing, G/O	354-3615	354-3614
2nd Bicuspid	-9	0	0	Raised wing, G/O	354-3725	354-3724
1st Molar	-10	0	0	Peerless single	340-2356	340-2256
1st Molar - weldable	-10	-6	0	Peerless lip bumper tube	175-0104	176-0104
2nd Molar	0	0	+5	Accent Terminal, distal extension	340-4202	340-5202
2nd Molar – weldable	0	0	+5	Accent Terminal, distal extension	514-0202	515-0202

Dr. Alexander recommends -6° angulation for buccal tube placement on bands. All hooks are disto-gingival unless otherwise noted.

# PRESCRIPTION ANALYZER

MAXILLARY ARCH	central		lateral		cuspid		bicuspid		1st molar			2nd molar		
	Torque	Ang.	Torque	Ang.	Torque	Ang.	Torque	Ang.	Torque	Ang.		Torque	Ang.	
Alexander Mini-Wick	+14°	+5°	+7°	+8°	-3°	+10°	-7°	0°	-10°	0°	15°	-10°	0°	12°
Alexander Signature	+15°	+5°	+9°	+9°*	-3°	+10°	-6°/-8°	0°/+4°	-10°	0°	15°	-10°	0°	15°
Andrews	+7°	+5°	+3°	+9°	-7°	+11°	-7°	+2°	-9°	+5°	10°	-9°	+5°	10°
Bios	+22°	+5°	+14°	+9°*	+7°	+10°	-6°/-8°	0°/+4°	-10°	0°	15°	-10°	0°	15°
Damon System 2	+12°	+5°	+8°	+9°	0°	+6°	-7°	+2°	-9°	0°	10°	-9°	0°	10°
Hilgers	+22°	+5°	+14°	+8°	+7°	+10°	-7°	0°	-10°	0°	15°	-10°	0°	12°
Level Arch Modern	+14°	+5°	+7°	+8°	0°	+10°	-7°	0°	-10°	0°	15°	-10°	0°	12°
McLaughlin, Bennett, Trevisi*	+17°	+4°	+10°	+8°	0°	+8°	-7°	0°						
Orthos	+15°	+5°	+9°	+9°*	-3°	+10°	-6°/-8°	0°/+4°	-10°	0°	15°	-10°	0°	12°
Orthos AP	+11°	+4°	+9°	+6°**	0°	+8°***	-2°/-3°	+4°/+6°	-10°	0°	15°	-10°	0°	15°
Roth*	+12°	+5°	+8°	+9°	-2°	+13°†	-7°	0°††	-14°	0°	10°	-14°	0°	14°
Titanium Orthos	+15°	+5°	+9°	+9°*	-3°	+10°	-6°/-8°	0°/+4°	-10°	0°	15°	-10°	0°	15°

Note: Super Torque applies to only maxillary centrals, laterals and cuspids. \*-4.5° Compensation in slot. \*\*-3° Compensation in slot. \*\*\*-4° Compensation in slot. †4° Rotation in slot. †† 2° Rotation in slot.  
\*Does not imply endorsement.

MANDIBULAR ARCH	anterior		cuspid		1st bicuspid		2nd bicuspid		1st molar			2nd molar		
	Torque	Ang.	Torque	Ang.	Torque	Ang.	Torque	Ang.	Torque	Ang.		Torque	Ang.	
Alexander Mini-Wick	-1°/-5°	0°	-7°	+6°	-11°	0°	-17°	0°	-22°	-6°	5°	-27°	0°	6°
Alexander Signature	-5°	+2°/+6°	-7°	+6°	-7°	0°	-9°	0°	-10°	-6°	5°	0°	0°	5°
Andrews	-1°	+2°	-11°	+5°	-17°	+2°	-22°	+2°	-30°	+2°	0°	-31°	+2°	0°
Bios	-5°	+2°/+4°	7°	+6°*	-7°	+3°	-17°	+3°	-27°	0°	5°	-27°	0°	5°
Damon System 2	-1°	2°	+8°	+5°	-17°	+2°	-22°	+2°	-30°	+2°	0°	-10°	+2°	0°
Hilgers	-1°	0°	+14°	+5°	-11°	0°	-17°	0°	-27°	0°	5°	-27°	0°	6°
Level Arch Modern	-1°	0°	+7°	+6°	-11°	0°	-17°	0°	-20°	0°	0°	-27°	0°	6°
McLaughlin, Bennett, Trevisi*	-6°	0°	0°	+3°	-12°	+2°	-17°	+2°						
Orthos	-5°	+2°/+4°	+9°	+6°*	-7°	+3°	-9°	+3°	-10°	0°	0°	-10°	0°	5°
Orthos AP	+3°	0°	+9°	+2°**	-8°	+3°	-8°	+6°	-10°	0°	4° mesial	-10°	0°	5°
Roth*	-1°	2°	-7°	+11°	-17°	0°††	-22°	-1°†	-30°	-1°	4°	-30°	-1°	4°
Titanium Orthos	-5°	+2°/+4°*	6°	+6°*	-7°	+3°	-9°	+3°	-10°	0°	0°	-10°	0°	5°

\*-4.5° Compensation in slot. \*\*-6° Compensation in slot. †4° Rotation in slot. †† 2° Rotation in slot.  
\*Does not imply endorsement.



# 2

# Digital Systems

Insignia

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DIGITAL SYSTEMS

# INSIGNIA™



## THE ALL-INCLUSIVE DIGITAL ORTHODONTIC PLATFORM FOR CUSTOM TREATMENT PLANNING

Insignia is an integrated system of 3-D digital orthodontics with customizable appliances for an all-inclusive single patient solution. Insignia allows you to combine your treatment strategy with the precision of computer-aided smile design to give every patient an optimal occlusion and smile arc specifically proportioned to their unique facial features.

- Patient-specific bracket prescriptions built with the end-result in mind
- Customizable archwires with fully coordinated arch forms
- 3D printed placement jigs provide a direct view into indirect bonding
- Approver software puts control and precision in your hands

A culmination of decades of research and innovation, Insignia uses advanced algorithms in combination with unique dental anatomy to create a 3-D virtual model of the patient's anatomy. With Insignia, you have complete control of each case.

- User friendly software to treatment plan and visualize the end result
- Time-consuming procedures (bracket bonding) may be administered by staff members allowing you to focus on diagnostics and treatment planning
- No start-up software, licensing or inventory costs
- View final smile design prior to treatment – a powerful consultation tool



### BRACKETS

- Self-Ligating Metal
- Self-Ligating Ceramic



### WIRES

- CuNi-Ti
- Ni-Ti
- Stainless Steel
- TMA



### BUCCAL TUBES

- Custom TIB Buccal Tube
- SnapLink
- Accent Mini



### PLACEMENT JIGS

- 3D printed for each patient



## INSIGNIA APPROVER

Insignia puts the power of virtual treatment planning in your hands for increased flexibility and control. A 3D representation of your patient's malocclusion and setup allows you to manipulate and parse the entire dentition as well as tease out nuances for positioning individual teeth. The result? Smile aesthetics and functional occlusions that can improve the quality of your finishes.



### SEE MORE. KNOW MORE. PLAN BETTER.

Easy manipulation of the dentition and occlusion takes much of the guesswork out of treatment planning.



### ACHIEVE COMPLETE 3D CONTROL

Dramatically\* improved software flattens the learning curve and makes fine-tuning the final occlusion easier.

\*Data on file



### DIAL-IN AESTHETICS

Simple tools let you evaluate and design the smile arc, evaluate marginal ridges, interdigitation and contact points and more!

Treatment Time - 10.5 months, 7 appointments\*

PRE-TREATMENT



POST-TREATMENT



\*Case treated by Dr. Jeff Kozlowski

## INSIGNIA AUXILIARY PRODUCTS

242-0050	Insignia SL 180° Bent Hook, 30 per pack	242-0060	Insignia SL 90° Bent Hook, 30 per pack
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To incorporate Insignia Advanced Smile Design into your office, contact your Ormco Sales Representative



# 3 AOA Lab

<b>Lab Services</b>	p. 58
<b>Digital Services</b>	p. 59
<b>Class II</b>	p. 60
<b>Retainers</b>	p. 61
<b>Aligners</b>	p. 61

# AOA LAB

AOA, a trusted source for customized orthodontic appliances. We are a full-service, digital orthodontic laboratory that fabricates customized appliances for dental professionals worldwide. With a rich 35+ history, we are known for our creative appliance designs, world-class customer service and extensive orthodontic knowledge. Our goal is to continue to combine innovation, technology and customer preferences to provide clinicians with the latest appliances.

## FEATURED APPLIANCES

Aligners	Spring Jets
Herbst™	RPE's
MARA™	Hawley Retainers
Twin Block™	Spring Retainers
Bionator	Positioners
AOB Splint	Frankels
AOB Retainer	Labial Indirect Bonding
Breathe Easy Appliances	Lingual Indirect Bonding
Distal Jet™	Typodonts
Transpalatal Appliances	Pendulums
Temporary Anchorage Devices	Digital Models
	and much more!

AOA is investing in the future of technology to innovate, educate, and partner with you.

Call us today at **800.262.5221**, or visit us online at **aoalab.com** to learn more on how we can help your practice.



## INDIRECT BONDING

Adding indirect bonding to your routine makes the best use of technological advances in today's bracket and archwire systems. AOA's indirect bonding service is designed to provide a more accurate placement and transfer of brackets en masse to the patient's teeth using a variety of bracket systems and adhesives along with moisture tolerant sealants. AOA offers labial, lingual, STb Social 6, Straight-Wire and full indirect bonding services.



## POSITIONER

The positioner has long been found to be beneficial in finishing orthodontic treatment. Combining modern materials and fabrication techniques with the experience of AOA's technical staff has advanced the positioner to a multipurpose appliance. All of our positioners and mouthguards are custom trimmed. Their height and thickness can be tailored to produce the perfect blend of patient comfort and appliance efficacy.



# DIGITAL SERVICES

There is a wide variety of rapid prototyping methods available for printing digital models that range in cost and varying degrees of accuracy. Due to our commitment to quality and craftsmanship, our preferred method is Stereo Lithography, commonly known as SLA, and is highly regarded as the premier method of rapid prototyping. AOA went one step further to incorporate a sophisticated print material developed specifically to produce digital-dental models with better accuracy and high-end resolution.

AOA has worked with our supplier to develop a separating compound that does not interact with the product. It doesn't stick, or leave any residue on the model. This new separating agent allows for us to build your appliance directly on the digital printed models while producing a more accurate product.

- AOA continues to add more SLA printers to keep up with our growing demand
- Taking digital scans replaces PVS and alginate impressions
- Submitting them digitally can help you DECREASE CHAIR TIME and may INCREASE ACCURACY and EFFICIENCIES
- AOA can receive scans from Lythos, iTero or any other "open" scanner to make digital case submission very easy from any method you choose



## AOA REWARDS

AOA offers a rewards program based on your quarterly sales volume. A credit memo is issued at the conclusion of each quarter.

Contact your AOA rep for more details and to see where you qualify.

# AOA

For additional information, please contact our customer care at **800.262.5221**, or visit us online at **aoalab.com**

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SECTION 3

# CLASS II

AOA has a large selection of designs and mechanisms. Choose the appliance that works best for you and your practice. We have design options to address the following needs:

- Aesthetics
- Patient Comfort
- Durability
- Functionality
- Predictability

AOA has over twenty-five years of Herbst™ fabrication experience, and helped introduce the MARA to the Orthodontic market producing over 25,000 Class II appliances annually. You can count on AOA to have the right solution for your Class II cases.

## MARA™

For over 20 years the MARA has been providing clinicians the option to provide a simple, compact appliance for their CL II treatment. This small design can accommodate a full bracket set up, 5-5, which provides the doctor the ability to combine fixed bracket mechanics with their CL II treatment. The 3.0 version offers a sleek forged lower arm design that provides a smaller profile than previous generations.

- Over 10,000 appliances produced annually
- Mixed or permanent dentition designs
- Available in chairside kit or custom fabricated



## ADVANSYNC™ 2

AdvanSync 2 offers a compact solution that provides the ability to bracket 5-5 while simultaneously correcting CL II malocclusions. This combination has the potential to increase treatment efficiencies by reducing overall treatment time. Its size also provides a benefit to both patient comfort as well as being more aesthetic than other Class II appliance options.

- Class II correction in Class I time
- Engineered for efficient correction
- Available as a custom appliance or chairside kit



Herbst is a registered trademark of Dentaurem Inc.,

# RETAINERS

## YOUR PATIENTS DESERVE TO KEEP THEIR SMILE!

Prevent relapse and maintain a beautiful smile with Prezurv invisible retainers. Due to extended wear, retainers fatigue and begin to lose their shape. The Prezurv system provides multiple sets of retainers to assure teeth stay in their optimal position. Patients worry less about lost, broken or discolored retainers. Efficient and cost effective system to help maintain long term smile protection.

prezurv™



Available as: 4 set  
2 set, or single arch options

# ALIGNERS

## 3 DIFFERENT NEEDS, 3 DIFFERENT SYSTEMS, THE CHOICE IS YOURS!

We offer 3 - 20 tray options depending on case requirements. All three systems have special single arch pricing for added value.

Two complimentary refinement appliances per arch if your case falls short of desired outcome.

Design & control set-up movements with Approver software for Clearguide and use morphing technology to show patients their projected outcome.



**Simpli5**  
EXPRESS ALIGNER SYSTEM



**INSIGNIA** Clearguide  
EXPRESS ALIGNER SYSTEM

# AOA

For additional information, please contact our customer care at **800.262.5221**, or visit us online at **aoalab.com**

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SECTION 3





# 4 Buccal Tubes

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**Peerless Cast Buccal Tubes** [p. 71](#)

**Gingivally Offset Tubes** [p. 76](#)

**Micro Tubes** [p. 77](#)

# SNAPLINK™ BUCCAL TUBES



Whether you treat with conventional twins or self-ligating brackets, the SnapLink re-convertible tube offers tie-less convenience and low friction, which makes wire changes and posterior tooth movement a snap.

## CONVERT AND RE-CONVERT FOR MORE EFFECTIVE TREATMENT

- Dual functionality allows you to convert the tube to easily engage second molars with either round or rectangular archwires, or place auxiliaries while maintaining your patient's natural wire sequence; convert and reclose as often as needed

## RECIPROCAL FORCES

- Innovative SpinTek slide employs reciprocal forces during opening; a slight twist dispenses forces in opposite directions, resulting less pressure for the patient
- Low profile with rounded corners and angled hook minimize occlusal interference

## IMPROVED SLIDING MECHANICS AND GAIN GREATER CONTROL

- Tie-less tube reduces friction for smoother sliding mechanics
- Four solid walls provide the control of a standard tube for predictable posterior tooth movement

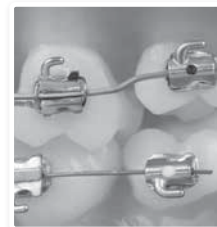
## FASTER WIRE CHANGES

- Tie-less tube helps to eliminate tying and retying ligatures
- Chamfered mesial slot opening enables easy wire engagement and removal even when the slide is closed

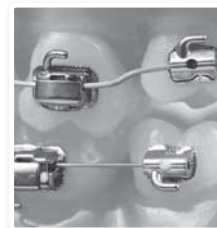
## INCREASE BOND RELIABILITY

- Contoured base with 80-gauge mesh pads help minimize "rocking" for reliable bond retention.

## EASY CONNECTION TO SECOND MOLARS



Convertible tubes require frequent tying of ligatures once the cap has been removed, which results in lengthy wire-change appointments, especially for cases involving impacted second molars.



The SnapLink re-convertible tube eliminates the need for constant tying, making it easy to connect to second molars – even when making wire bends – without downsizing to a smaller wire.

## SNAPLINK TUBES (Available in Quad packaging, 10 ea.)

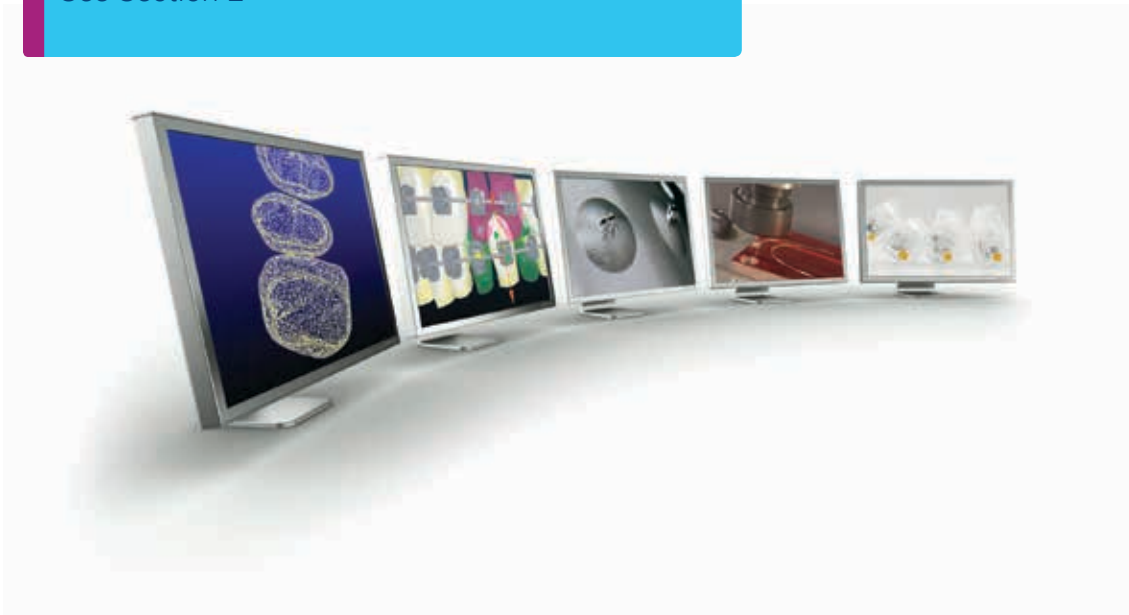
type	torque	angle	rotation	part numbers	
<b>TUBES</b>				<b>.022L</b>	<b>.022R</b>
<b>Upper</b>	-18°	0°	12°	438-2161	438-2160
<b>Lower</b>	-28°	2°	2°	438-2191	438-2190

## INSTRUMENTS

<b>866-4016</b>	<b>SpinTek™ Slide Opening/Closing Instrument</b>	<b>866-4014</b>	<b>SpinTek Slide Opening Instrument</b>
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**Now Available with Insignia!**

See Section 2

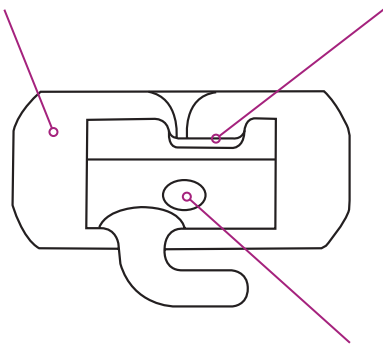


# TITANIUM BUCCAL TUBES

Titanium buccal tubes combine the shock absorbency of titanium with the added benefit of being hypoallergenic since they are made without nickel.

**Pad Size** – The large pad size provides improved bond strength and a better fit to the tooth.

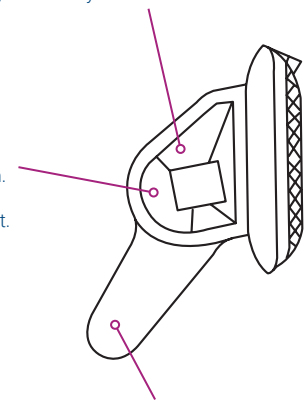
**Handling Notch** – A unique notch on the occlusal side makes holding the Titanium Buccal Tube a cinch and helps with initial placement on the tooth.



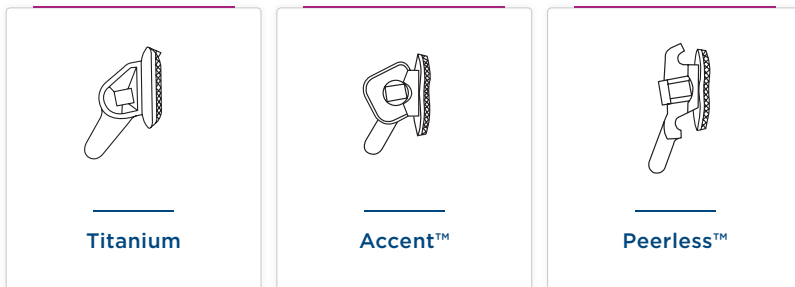
**Pad Size** – The I.D. dot is compatible with the legendary Orthos system.

**In-Face Funneled Slot Opening** – A patented funneled slot opening makes archwire engagement easy.

**Teardrop Design** – Buccal tubes on the lower arch feature a teardrop design to keep them out of occlusion. There are also no tie wings to create food traps and inhibit patient comfort.



**Comfortable Hook Design** – The Ormco hook design tilts away from the gingiva to avoid impingement for patient comfort.



**First Molar**



**Second Molar**

Comparison with Ormco's Accent and Peerless tubes shows a significant reduction in profile as well as an increase in bonding surface with Titanium buccal tubes.

## TITANIUM BUCCAL TUBES (Available in Quad packaging, 10 ea.)

tooth	torque	angle	d/o	part numbers			
<b>UPPER</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>First Molar</b>	-10°	0°	15°	448-2116	448-2016	449-2116	449-2016
<b>First Molar</b>	-10°	0°	10°	448-1201	448-0201	449-1201	449-0201
<b>First Molar</b>	-18°	0°	12°			449-1011	449-0011
<b>Second Molar</b>	-10°	0°	15°	448-2117	448-2017	449-2117	449-2017
<b>Second Molar</b>	-10°	0°	6°	448-1202	448-0202	449-1202	449-0202
<b>Second Molar</b>	-27°	0°	6°	448-1203	448-0203	449-1203	449-0203
<b>LOWER</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>First Molar</b>	-10°	0°	0°	448-2126	448-2026	449-2126	449-2026
<b>First Molar</b>	-22°	0°	0°	448-1204	448-0204	449-1204	449-0204
<b>First Molar</b>	-22°	0°	5°	448-1206	448-0206	449-1206	449-0206
<b>First Molar</b>	-28°	2°	2°			449-1015	449-0015
<b>Second Molar</b>	-10°	0°	5°	448-2127	448-2027	449-2127	449-2027
<b>Second Molar</b>	-22°	0°	5°	448-1205	448-0205	449-1205	449-0205

All tubes are single, bondable and have integral mesio-gingival hooks. No distal extension available.  
 Titanium buccal tubes are color-coded by quadrant - Upper right: Blue, Upper left: Black, Lower right: Red, Lower left: Yellow.

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- 2
- 3
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- 10
- 11
- 12
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# ACCENT BUCCAL TUBES

The Accent buccal tube is designed to help eliminate occlusal tie wing interference and premature cap failure that can occur with convertible tubes. Accent is non-convertible, has no tie wings and features an accentuated mesial opening.

## ACCENT TUBES



Double  
Weldable



Single  
Weldable



Double  
Bondable



Single  
Bondable

- All cast tubes have integral mesio-gingival hooks
- All auxiliary tubes have 0° torque and no distal offset
- No convertible caps or tie wings
- 3.88 mm mesio-distal measurement

## ACCENT TUBES (Available 10 ea.)

type	torque	d/o	weldable part numbers				bondable part numbers			
<b>UPPER 1<sup>ST</sup> MOLAR</b>			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
<b>Double</b>	-10°	15°	521-0238	520-0238	521-0239	520-0239	340-1240	340-0240	342-1239	342-0239
<b>Single</b>	-10°	15°	515-0116	514-0116	515-0115	514-0115	340-5116	340-4116	342-5115	342-4115
<b>UPPER 2<sup>ND</sup> MOLAR</b>			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
<b>Single</b>	-10°	5°	515-0112	514-0112	515-0111	514-0111	340-5112	340-4112	342-5111	342-4111
<b>Single*</b>	0°	5°	515-0202	514-0202	515-0201	514-0201	340-5202	340-4202	342-5201	342-4201
<b>Single*</b>	-10°	15°	515-0216	514-0216	515-0215	514-0215	340-5216	340-4216	342-5215	342-4215
<b>Single*</b>	-10°	5°	515-0212	514-0212	515-0211	514-0211	340-5212	340-4212	342-5211	342-4211
<b>LOWER 1<sup>ST</sup> MOLAR</b>			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
<b>Double</b>	-10°	0°	521-0236	520-0236	521-0237	520-0237	340-1236	340-0236	342-1241	342-0241
<b>Double</b>	-27°	5°	521-0232	520-0232	521-0231	520-0231	340-1232	340-0232	342-1231	342-0231
<b>Single</b>	-10°	0°	515-0118	514-0118	515-0117	514-0117	340-5118	340-4118	342-5117	342-4117
<b>Single</b>	-22°	5°	515-0122	514-0122	515-0121	514-0121			342-5121	342-4121
<b>LOWER 2<sup>ND</sup> MOLAR</b>			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
<b>Single*</b>	0°	5°	514-0202	515-0202	514-0201	515-0201	340-4202	340-5202	342-4201	342-5201
<b>Single*</b>	-10°	5°	514-0214	515-0214	514-0213	515-0213	340-4214	340-5214	342-4213	342-5213
<b>Single</b>	-10°	5°	514-0114	515-0114	514-0113	515-0113	340-4114	340-5114	342-4113	342-5113
<b>Single*</b>	-27°	5°	515-0232	514-0232	515-0231	514-0231	340-5232	340-4232	342-5231	342-4231
<b>Single</b>	-22°	5°					340-5122	340-4122	342-5121	342-4121
<b>Single</b>	-27°	5°	515-0132	514-0132	515-0131	514-0131	340-5132	340-4132	342-5131	342-4131

\* Distal extension

- 1
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## ACCENT MINI TUBES (Available 10 ea.)



Accent Mini's precision design provides optimal fit and reliable performance that is also low profile to help eliminate occlusal interferences. Smaller than standard Accent tubes, Accent Mini is constructed of stainless steel.

**Now available with Insignia!**  
See Section 2

- Contoured low-profile design with convenient occlusal-gingival scaler notch for easy adhesive loading and bracket placement.
- Proprietary laser etched pad for optimal bond reliability.
- Funneled mesial slot opening for easy wire insertion.
- "T" hook and bendable "J" hook designed and angled for patient comfort and elastic retention.
- Distal extension on second molar tubes for lacing mechanics.

### ACCENT MINI TUBES (Available 10 ea.)

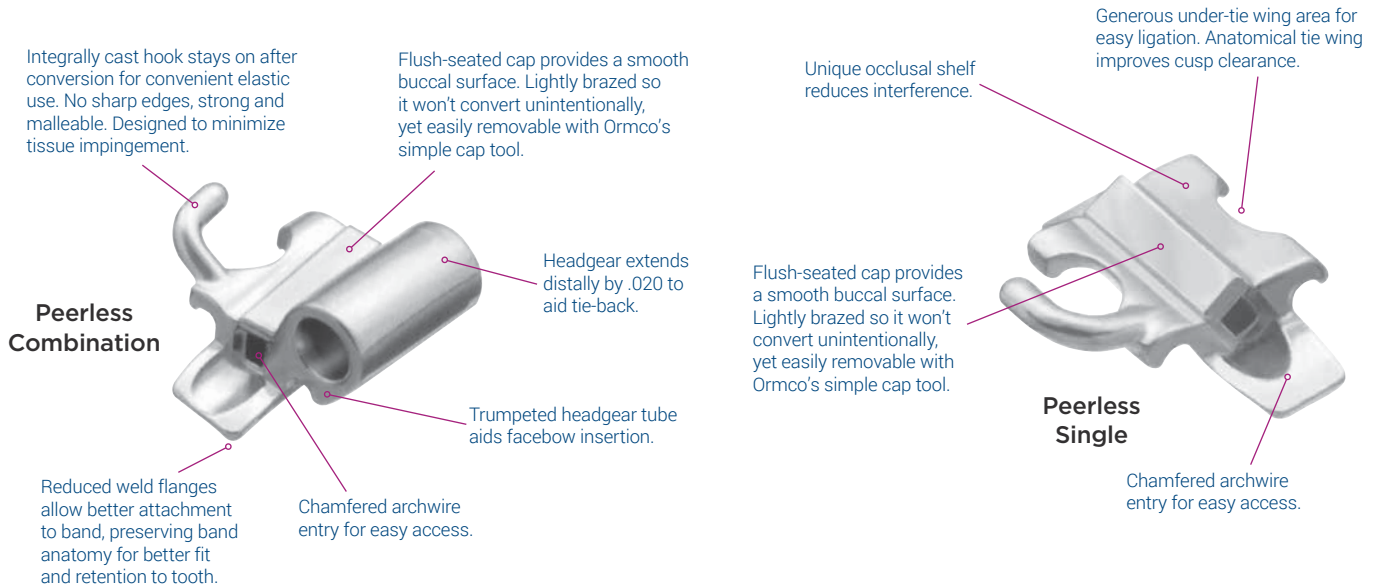
Damon Rx	torque	angle	d/o	bondable part numbers			
<b>UPPER</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>First Molar</b>	-18	0	12			513-0163	513-0162
<b>Second Molar</b>	-27	0	+6			513-0171	513-0170
<b>LOWER</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>First Molar</b>	-28	2	2			513-0165	513-0164
<b>Second Molar</b>	-10	0	+5			513-0173	513-0172
McLaughlin, Bennett, Trevisi* Rx	torque	angle	d/o	bondable part numbers			
<b>UPPER</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>First Molar</b>	-14	0	10	340-1365	340-1364	342-1365	342-1364
<b>Second Molar</b>	-14	0	10	340-1375	340-1374	342-1375	342-1374
<b>LOWER</b>				<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>First Molar</b>	-20	0	0	340-1367	340-1366	342-1367	342-1366
<b>Second Molar</b>	-10	0	5	340-1377	340-1376	342-1377	342-1376

\*Does not imply enorsement.



# PEERLESS CAST BUCCAL TUBES

Ormco's casting technology delivers strong, small precision tubes to reduce occlusal interference and gingival impingement.



## PEERLESS UPPER FIRST MOLAR (Available 10 ea.)

type	torque	d/o	headgear	weldable part numbers			
				.018 L	.018 R	.022 L	.022 R
<b>LOWER 2<sup>ND</sup> MOLAR</b>							
<b>Triple*</b>	0°	10°	.045	193-0402	194-0402		
<b>Triple</b>	-10°	15°	.045	173-0422	174-0422	173-0421	174-0421
<b>Triple (Burstone)</b>	-10°	10°	.045	173-0424	174-0424	173-0423	174-0423
<b>Triple (Cetlin)**</b>	-10°	15°	.045	173-1422	174-1422	173-1421	174-1421
<b>Triple*</b>	-10°	10°	.045	193-0406	194-0406	193-0405	194-0405
<b>Combination*</b>	0°	0°	.045	193-0102	194-0102	193-0101	194-0101
<b>Combination</b>	0°	0°	.045	195-0208	196-0208		
<b>Combination</b>	0°	10°	.045	195-0206	196-0206	195-0205	196-0205
<b>Combination</b>	-10°	15°	.045	195-0210	196-0210	195-0209	196-0209
<b>Combination</b>	-10°	15°	.051	195-0212	196-0212	195-0211	196-0211
<b>Combination</b>	-10°	10°	.045	195-0202	196-0202		
<b>Combination</b>	-10°	10°	.051	195-0204	196-0204		
<b>Combination*</b>	-10°	10°	.045	193-0106	194-0106	193-0105	194-0105
<b>Combination*</b>	-10°	10°	.051			194-0107	193-0107
<b>Double</b>	-10°	12°		171-0436	172-0436	171-0435	172-0435
<b>Single</b>	-10°	15°		183-0318	190-0318	189-0317	190-0317
<b>Single</b>	-10°	10°		187-0308	188-0308	187-0307	188-0307
type	torque	d/o	headgear	bondable part numbers			
				.018 L	.018 R	.022 L	.022 R
<b>Double</b>	-10°	12°		340-0036	340-0136	342-0036	342-0136
<b>Single</b>	-10°	15°		340-2359	340-2259	342-2359	342-2259
<b>Single</b>	-10°	10°		340-2106	340-2006	342-2106	342-2006

\* Gingival headgear tube.

\*\* .028 auxiliary tube.



**Single/Distal  
Extension**



**Single/No  
Distal Extension**

## PEERLESS UPPER SECOND MOLAR (Available 10 ea.)

type	torque	d/o	weldable part numbers				bondable part numbers			
			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
<b>Single</b>	0°	6°	513-2202	512-2202	513-2201	512-2201	340-6807	340-6707	342-6807	342-6707
<b>Single*</b>	0°	6°	513-2102	512-2102	513-2101	512-2101	340-4807	340-4707	342-4807	342-4707
<b>Single</b>	-10°	12°	516-2104	517-2104	516-2103	517-2103	340-0556	340-0456	342-0555	342-0455

\* Gingival headgear tube.

continued on next page

## PEERLESS UPPER SECOND MOLAR (cont'd)

type	torque	d/o	weldable part numbers				bondable part numbers			
			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
Single*	-10°	15°	516-2204	517-2204	516-2203	517-2203				
Single*	-10°	6°	512-2110	513-2110	512-2109	513-2109	340-5147	340-5047	342-5147	342-5047
Single	-10°	6°	512-2210	513-2210	512-2209	513-2209	340-6147	340-6047	342-6147	342-6047

\* Distal extension



Convertible  
Double



Lip Bumper  
w/o Hook



Lip  
Bumper



Lip  
Bumper/Triple



Lip Bumper /  
Non-convertible



Single

## PEERLESS LOWER FIRST MOLAR (Available 10 ea.)

type	torque	d/o	weldable part numbers				bondable part numbers			
			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
Double	0°	5°	171-0432	172-0432	171-0431	172-0431				
Double	-10°	0°	171-0412	172-0412	171-0411	172-0411	340-0156	340-0046	342-0156	342-0046
Double	-22°	5°	171-0434	172-0434	171-0433	172-0433				
Double	-27°	12°	171-0422	172-0422	171-0421	172-0421				
Double*	-27°	5°	171-0426	172-0426	171-0425	172-0425	340-0526	340-0426	342-0525	342-0425
Double (aux. torq. -17°)	-27°	5°	171-0430	172-0430	171-0429	172-0429				
Lip Bumper (no hook)	-10°	0°	175-0104	176-0104	175-0103	176-0103				
Lip Bumper (no hook)	-25°	5°	175-0102	176-0102	175-0101	176-0101				
Lip Bumper (triple)*	-27°	5°	171-0872	172-0872						
Lip Bumper (triple)*†	-27°	5°	171-0626	172-0626	171-0625	172-0625				
Single	0°	0°	189-0302	190-0302	189-0301	190-0301				
Single	0°	5°	187-0302	188-0302	187-0301	188-0301	340-2326	340-2226	342-2326	342-2226
Single	-10°	0°	189-0300	190-0300	189-0299	190-0299	340-2356	340-2256	342-2356	342-2256
Single (Orthos AP)	-10°	-4°	189-0310	190-0310	189-0309	190-0309	340-2358	340-2258	342-2358	342-2258

\* .022 auxiliary tube – .022 x .027; .018 auxiliary tube – .018 x .027.

† Indicated non-convertible.

continued on next page

## PEERLESS LOWER FIRST MOLAR (cont'd)

type	torque	d/o	weldable part numbers				bondable part numbers			
			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
Single	-22°	0°	189-0304	190-0304	189-0303	190-0303				
Single	-22°	5°	187-0304	188-0304	187-0303	188-0303	340-2306	340-2206	342-2306	342-2206
Single	-27°	0°	189-0306	190-0306	189-0305	190-0305				
Single	-27°	5°	187-0306	188-0306	187-0305	188-0305	340-2316	340-2216	342-2316	342-2216



Single/Distal Extension



Single/No Distal Extension

- Peerless M-D dimensions: Triples 3.5 mm, Doubles 3.4 mm, Singles 3.3 mm, M/P and Pix 2 mm
- All tubes have integral mesio-gingival hooks unless otherwise noted
- First molar tubes are convertible unless otherwise noted. Cap Tool #801-0094 makes conversion easy and improves safety
- All facebow and lip bumper tubes are .045 and occlusal unless otherwise noted
- All auxiliary, facebow and lip bumper tubes have 0° torque and 0° distal offset except as noted
- Regarding triple and double tubes: all .018 main slots have an .018 x .025 auxiliary; .022 main slots have an .021 x .025 auxiliary except as noted

## PEERLESS LOWER SECOND MOLAR (Available 10 ea.)

type	torque	d/o	weldable part numbers				bondable part numbers			
			.018 L	.018 R	.022 L	.022 R	.018 L	.018 R	.022 L	.022 R
Single*	0°	6°	512-2102	513-2102	512-2101	513-2101	340-4707	340-4807	342-4707	342-4807
Single	0°	6°	512-2202	513-2202	512-2201	513-2201	340-6707	340-6807	342-6707	342-6807
Single*	-10°	6°	513-2120	512-2120	513-2119	512-2119	340-5057	340-5157	342-5057	342-5157
Single	-10°	6°	513-2220	512-2220	513-2219	512-2219	340-6057	340-6157	342-6057	342-6157
Single*	-20°	6°	512-2104	513-2104	512-2103	513-2103	340-5317	340-5217	342-5317	342-5217
Single	-20°	6°	512-2204	513-2204	512-2203	513-2203			342-6317	342-6217
Single*	-27°	6°	512-2106	513-2106	512-2105	513-2105	340-5327	340-5227	342-5327	342-5227
Single	-27°	6°	512-2206	513-2206	512-2205	513-2205	340-6327	340-6227	342-6327	342-6227
Single	-27°	12°	516-2108	517-2108	516-2107	517-2107	340-0546	340-0446	342-0545	342-0445
Single*	-32°	6°	512-2108	513-2108	512-2107	513-2107	340-5337	340-5237	342-5337	342-5237
Single	-32°	6°	512-2208	513-2208	512-2207	513-2207				

\* Distal extension

## PEERLESS BONDABLE MINI BUCCAL TUBES



### M/P

Bondable M/P Terminal Tubes are small, (2 mm m-d dimension), Peerless tubes on curved bases adapted to fit on the mesio-buccal cusps of partially erupted molars.

### Pix

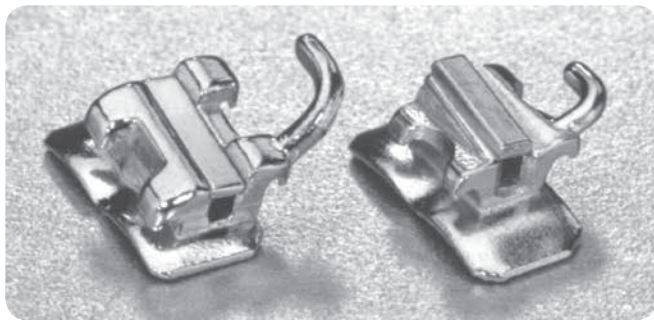
Bondable Pix Tubes are small (2 mm m-d dimension) Peerless tubes on standard bases for upper or lower, right or left second molars. constructed of stainless steel.

## PEERLESS BONDABLE MINI BUCCAL TUBES (Available 10 ea.)

type	torque	distal offset	part numbers	
<b>M/P TERMINAL TUBES</b>				
			<b>.018</b>	<b>.022</b>
Upper Left/Lower Right	0°	0°	340-0011	342-0011
Upper Right/Lower Left	0°	0°	340-0012	342-0012
Upper Right	-10°	0°	340-0014	342-0014
Upper Left	-10°	0°	340-0013	342-0013
Lower Right	-22°	0°	340-0016	342-0016
Lower Left	-22°	0°	340-0015	342-0015
<b>PIX TUBES</b>				
			<b>.018</b>	<b>.022</b>
Upper/Lower Seconds	0°	0°	300-0098	300-0099

# GINGIVALLY OFFSET BUCCAL TUBES

Our Gingivally Offset Bicuspid brackets offer a more desirable alternative to banding bicuspids, and bring you the same benefits in bonding first molars. Like our bicuspids, we have positioned the buccal tube at the most gingival edge of the first molar pad. This allows you to bond away from the problematic gingival third of the enamel without compromising bracket position. We have also significantly increased the mesio-distal dimension of the pad to provide a larger bonding area.



## GINGIVALLY OFFSET BUCCAL TUBES (Available 10 ea.)

type	torque	distal offset	part numbers			
<b>UPPER 1<sup>ST</sup> MOLAR</b>			<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>Peerless</b>	-10°	15°	340-2110	340-2010	342-2110	342-2010
<b>Peerless (Damon System)</b>	-9°	0°			342-2120	342-2020

type	torque	distal offset	part numbers			
<b>LOWER 1<sup>ST</sup> MOLAR</b>			<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
<b>Peerless</b>	-10°	0°	340-2111	340-2011	342-2111	342-2011
<b>Peerless (Damon System)</b>	-30°	2°			342-2121	342-2021

## SL WELDABLE BUCCAL TUBES (Available 10 ea.)

MAXILLARY	torque	ang.	rot.	.022 L	.022 R
<b>1st Molar – SL Buccal Tube - Weldable</b>	-18°	0°	+12°	513-1243	513-1244

MANDIBULAR	torque	ang.	rot.	.022 L	.022 R
<b>1st Molar – SL Buccal Tube - Weldable</b>	-28°	+2°	+2°	513-1241	513-1242

# MICRO TUBES

Built with the Straight-Wire™ method in mind, Micro Tubes offer you a full range of choices that can all be used interchangeably within the Straight-Wire system. Micro Tubes are smaller than traditional buccal tubes while still offering you control and reliability.

## THE BENEFITS INCLUDE:

- Reduced occlusal interference, especially on the second molars
- Improved hygiene due to the reduced size
- Increased space between first and second molars due to the reduced size



Triple/Gingival Headgear

Triple/Occlusal Headgear

Combination / Gingival Headgear

Combination / Occlusal Headgear

Double Rectangular

## MICRO WELDABLES (Available 10 ea.)

type	torque	d/o	ang.	headgear	part numbers			
					.018 L	.018 R	.022 L	.022 R
<b>UPPER 1<sup>ST</sup> MOLAR</b>								
Single (SS RMT)	-14°	14°	0°		137-0008	138-0008	137-0011	138-0011
Single (SS MT)	-9°	10°	0°		137-0006	138-0006	137-0007	138-0007
Combination (OBT RMT)	-14°	14°	0°	Occlusal	137-0062	138-0062	137-0115	138-0115
Combination (OBT MT)	-9°	10°	+5°	Occlusal	137-0056	138-0056	137-0107	138-0107
Combination (OBT MT 0°)	-9°	10°	0°	Occlusal	137-0054	138-0054	137-0105	138-0105
Combination (OBT MT 0°)	-9°	10°	0°	Gingival	137-0018	138-0018	137-0031	138-0031
Combination (CBT MT)	-9°	10°	+5°	Gingival	137-0020	138-0020	137-0033	138-0033
Combination (CBT RMT)	-14°	14°	0°	Gingival	137-0036	138-0036	137-0067	138-0067
Combination (CBT MT E-2)	-14°	14°	+2°	Gingival			137-0049	138-0049
Double Rectangular (UDBT NT MT) No HG Tube	-14°	14°	0°		137-0206	138-0206	137-0293	138-0293
Triple (TBT RMT)	-14°	14°	0°	Occlusal	137-0086	138-0086	137-0143	138-0143
Triple (TBT RMT)	-14°	14°	0°	Occlusal .051			137-0157	138-0157
Triple (TBBT MT)	-10°	15°	0°	Occlusal	137-0074	138-0074		
Triple (TBT MT)	-9°	10°	5°	Occlusal	137-0084	138-0084	137-0137	138-0137
Triple (TBT MT 0°)	-9°	10°	0°	Occlusal	137-0082	138-0082	137-0135	138-0135

All Headgear is .045 unless indicated

[continued on next page](#)

## MICRO WELDABLES (cont'd)

type	torque	d/o	ang.	headgear	part numbers			
<b>UPPER 1<sup>ST</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Triple (TGBT MT)	-10°	14°	0°	Gingival	137-0096	138-0096	137-0161	138-0161
Triple (TGBT RMT)	-10°	14°	0°	Gingival .051			137-0165	138-0165
Triple (TBT RMT 0°/0°)	-14°	0°	0°	Occlusal			137-0141	138-0141

All Headgear is .045 unless indicated



**Double  
Rectangular Special**



**Lower  
First Double**



**Lower  
First Triple**



**Lower  
First Single**



**Lower  
Second Single**



**Lower  
Second Single**

## MICRO WELDABLES (Available 10 ea.)

type	torque	d/o	ang.	headgear	part numbers			
<b>UPPER 2<sup>ND</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (MT)	-9°	10°	+5°		137-0100	138-0100	137-0169	138-0169
Single (MT 0°)	-9°	10°	0°		137-0098	138-0098	137-0167	138-0167
Single (RMT)	-14°	14°	0°		137-0106	138-0106	137-0181	138-0181
Single (DT 0°/0° MT)	-14°	0°	0°				137-0191	138-0191
Double Rectangular Special (RSPEC)	-14°	14°	0°				137-0187	138-0187
<b>LOWER 1<sup>ST</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (SS RMT)	-30°	4°	-1°		137-0134	138-0134	137-0221	138-0221
Single Low Torque	-10°	0°	0°		137-0132	138-0132	137-0231	138-0231
Single (STD MT)	-30°	0°	+2°		137-0122	138-0214	137-0197	138-0197
Double (DBBT MT)	-27°	12°	0°		137-0154	138-0154		
Double (DBT MT)	-30°	0°	+2°		137-0162	138-0162	137-0245	138-0245
Double (DBT RMT)	-30°	4°	-1°		137-0166	138-0166	137-0249	138-0249

All Headgear is .045 unless indicated

[continued on next page](#)



## MICRO WELDABLES (cont'd)

type	torque	d/o	ang.	headgear	part numbers			
<b>LOWER 1<sup>ST</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Double (RMT Balanced)	-30°	4°	-1°		137-0170	138-0170	137-0251	138-0251
Combination (RMT) w/ Tube (Lip Bumper) <sup>†</sup>	-30°	4°	-1	Center	137-0144	138-0144	137-0235	138-0235
Triple (LTBT RMT) <sup>†</sup>	-30°	4°	-1°	Gingival	137-0186	138-0186	137-0269	138-0269
Triple (LTBT RMT) <sup>†</sup>	-30°	9°	-1°	Gingival			137-0273	138-0273
<b>LOWER 2<sup>ND</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (MT)	-31°	0°	+2°		137-0190	138-0190	137-0275	138-0275
Single (RMT)	-30°	4°	-1°		137-0200	138-0200	137-0285	138-0285
Single Low Torque (MT -10)	-10°	0°	+2°		137-0198	138-0198	137-0289	138-0289
Single (LBBT MT)	-27°	2°	0°				137-0291	138-0291

All Headgear is .045 unless indicated

<sup>†</sup> Indicated non-convertible



Triple/Gingival  
Headgear



Triple/Occlusal  
Headgear



Combination /  
Gingival Headgear



Combination /  
Occlusal Headgear



Double  
Rectangular



Double  
Rectangular Special



Upper  
Second Single

## MICRO BONDABLES (Available 10 ea.)

type	torque	d/o	ang.	headgear	part numbers			
<b>UPPER 1<sup>ST</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (SS RMT)	-14°	14°	0°		437-0134	437-0034	438-0156	438-0056
Single (SS MT)	-9°	10°	0°		437-0132	437-0032	438-0155	438-0055
Combination (OBT RMT)	-14°	14°	0°	Occlusal			438-0160	438-0060
Combination (CBT MT)	-9°	10°	+5°	Gingival			438-0140	438-0040
Combination (CBT RMT)	-14°	14°	0°	Gingival			438-0148	438-0048
Combination (CBT MT E-2)	-14°	14°	+2°	Gingival			438-0141	438-0041

All Headgear is .045 unless indicated

continued on next page

## MICRO BONDABLES (cont'd)

type	torque	d/o	ang.	headgear	part numbers			
<b>UPPER 1<sup>ST</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Double Rectangular (UDBT NT MT) No HG Tube	-14°	14°	0°		437-0142	437-0042	438-0174	438-0074
Triple (TBT RMT)	-14°	14°	0°	Occlusal			438-0165	438-0065
Triple (TBT MT)	-9°	10°	+5°	Occlusal	437-0138	437-0038		
Triple (TBT MT 0°)	-9°	10°	0°	Occlusal			438-0164	438-0064
<b>UPPER 2<sup>ND</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (MT)	-9°	10°	+5°		437-0144	437-0044	438-0177	438-0077
Single (MT 0°)	-9°	10°	0°		437-0143	437-0043	438-0176	438-0076
Single (RMT)	-14°	14°	0°		437-0148	437-0048	438-0185	438-0085
Single (DT 0°/0° MT)	-14°	0°	0°				438-0184	438-0084
Double Rectangular Special (RSPEC)	-14°	14°	0°				438-0188	438-0088

All Headgear is .045 unless indicated



Lower  
First Triple



Lower  
First Single



Lower  
Second Single



Lower  
Second Single



Lower  
First Double

## MICRO BONDABLES (Available 10 ea.)

type	torque	d/o	ang.	headgear	part numbers			
<b>LOWER 1<sup>ST</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (SS RMT)	-30°	4°	-1°		437-0108	437-0008	438-0110	438-0010
Single Low Torque	-10°	0°	0°		437-0110	437-0010	438-0112	438-0012
Single (STD MT)	-30°	0°	+2°		437-0104	437-0004	438-0103	438-0003
Double (DBT MT)	-30°	0°	+2°				438-0116	438-0016
Double (DBT RMT)	-30°	4°	-1°		437-0114	437-0014	438-0119	438-0019
Double (RMT Balanced)	-30°	4°	-1°				438-0120	438-0020
<b>LOWER 2<sup>ND</sup> MOLAR</b>					<b>.018 L</b>	<b>.018 R</b>	<b>.022 L</b>	<b>.022 R</b>
Single (MT)	-31°	0°	+2°		437-0116	437-0016	438-0126	438-0026
Single (RMT)	-30°	4°	-1°		437-0120	437-0020	438-0131	438-0031
Single Low Torque (MT -10)	-10°	0°	+2°		437-0121	437-0021	438-0133	438-0033
Single (LBBT MT)	-27°	2°	0°				438-0134	438-0034

## 5

## Bands

**Precision Placement  
& Prewelding Services**

p. 82

**Ultima First Molars**

p. 84

**Standard High-Retention  
First & Second Molars**

p. 85

**Trimline First & Second Molars**

p. 87

**Washbon First  
& Second Molars**

p. 89

**Ormco Bicuspidis**

p. 91

**UltiMAX Maximum-Retention  
Molars**

p. 92

# MOLAR BAND WELDING OPTIONS

## PRECISION PLACEMENT

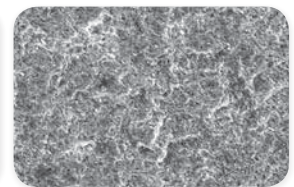
Ormco has refined placement of all buccal tubes, specific to each type of band and prescription.

## THE BENEFITS TO YOU INCLUDE:

- Process controls and years of expertise are translated into excellence in design and production
- Precision placement takes into account all the variables: band size, buccal tube dimensions and prescription



Easy-to-Read Laser Marking



Micro-etched for Dependable Performance

## PREWELDING SERVICES

Ormco bands can be prewelded in “standard weld position” or “custom weld position,” described and illustrated here.

### STANDARD WELD POSITION

The adjacent drawings provide an overview of the various standard positions and illustrate the attachment welded at 0° angulation to the band (the bracket slot will be parallel to the occlusal edge of the band).

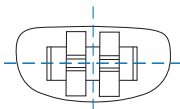
### CUSTOM WELD POSITION

Custom assemblies are Ormco brackets and bands prewelded in anything other than standard position. If you need a custom placement, indicate direction and amount of change from standard (e.g., 0.5 mm more occlusal). If specifying a custom angulation, indicate a plus (+) for distal root tip or a minus (-) for mesial root tip. If no position criterion is provided on the order, it will be welded in the standard position.

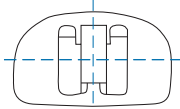
**Custom items are not returnable.**

## LABIAL

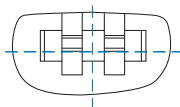
### Bracket to Bicuspid



**Lower 1<sup>st</sup> Bicuspid:**  
Centered

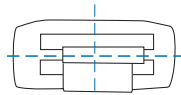


**Upper Bicuspid:**  
Centered



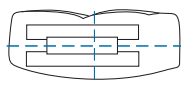
**Lower 2<sup>nd</sup> Bicuspid**  
Offset to Occlusal .010

### Buccal Tube to Upper Molar



**Upper Molar:**  
Entrance to buccal tube  
will bisect the mesial/  
buccal cusp

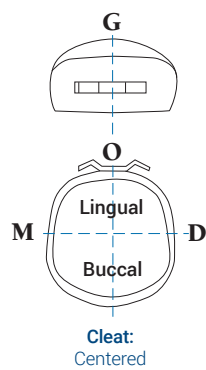
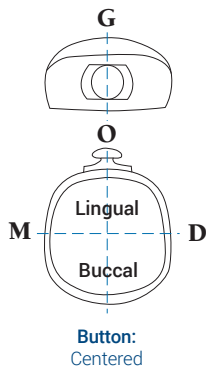
### Buccal Tube to Lower Molar



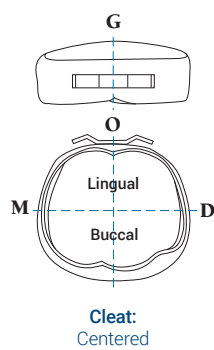
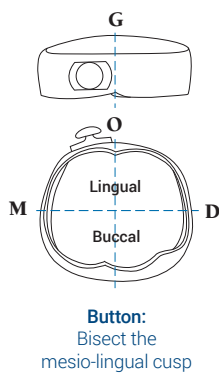
**Lower Molar:**  
Entrance to buccal tube  
will bisect the mesial/  
buccal cusp

## LINGUAL ATTACHMENTS

### Bicuspids



### Molars



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# ULTIMA™ FIRST MOLARS

Ultima molar bands give you the best of everything: ease of fitting, ease of adaptation and security of retention.

- Manufacturing process creates a stiff yet adaptable material
- Proximal walls are straight for fast seating
- Mesio-buccal contour at the gingival aids retention
- Available in four larger sizes and offers closer graduations
- Proportioned in size and occluso-gingival dimension



## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### ULTIMA FIRST MOLAR KITS

BAND SIZE	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	TOTAL BANDS	
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	2	400
<b>Master</b>	4	4	6	10	10	12	18	24	28	32	34	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800	
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100	

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

# STANDARD HIGH-RETENTION FIRST MOLARS



- Anatomically contoured with a buccal cusp indent groove and lingual cusp indent contour
- Ideal band/tooth adaptation and reduced occlusal interference
- Fits over the height of greatest contour while the lingual seats high, toward the gingiva
- Interior of bands are micro-etched to increase retention

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### STANDARD FIRST MOLAR KITS

BAND SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL BANDS	
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400	
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800	
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100	

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

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# STANDARD HIGH-RETENTION SECOND MOLARS



- Anatomical occluso-gingival buccal design, including lingual/buccal cusp indentation, for proper band/tooth fit
- Band seats at the height of the contour, avoiding occlusal interference
- Contour helps prevent gingival impingement
- Interior of bands are micro-etched to increase retention

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### STANDARD FIRST MOLAR KITS

BAND SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL BANDS	
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800	
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100	

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.



# TRIMLINE™ FIRST MOLARS



- Straight, reduced proximal walls for fast, easy seating
- Designed to fit securely below marginal ridges and to seat over height of contour
- Size gradation positions buccal and lingual cusp indent for precise fit
- Balanced stiffness and adaptability

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### TRIMLINE FIRST MOLAR KITS

BAND SIZE	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	TOTAL BANDS
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

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# TRIMLINE SECOND MOLARS



- Easy to seat
- Less contouring and more malleability
- Balanced stiffness and adaptability
- Designed to come to a positive stop at marginal ridges

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### TRIMLINE SECOND MOLAR KITS

UPPER SIZE	97	98	99	00	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL BANDS	
LOWER SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400	
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800	
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100	

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

# WASHBON™ FIRST MOLARS



For the ultimate in custom-fitting anatomy, shape and retention.

- Ormco's most popular molar band
- Shaped to tooth anatomy for snug, secure fit and optimal retention
- Right and left anatomy is proportioned in all sizes
- Buccal surface has increased height for greater flexibility in positioning attachments

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### WASHBON FIRST MOLARS

BAND SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL BANDS	
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800	
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100	

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

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# WASHBON SECOND MOLARS



For the ultimate in custom-fitting anatomy, shape and retention.

- Occlusal festoon at distal portion of upper 2nd molar band helps eliminate metal overhang and occlusal interface
- Right and left anatomy is proportioned in all dimensions for positive fit
- Material thickness is tapered from occlusal to gingival, permitting band to pass the contact points when driven

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### WASHBON SECOND MOLAR KITS

UPPER SIZE	97	98	99	00	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL BANDS
LOWER SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100

Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

# ORMCO BICUSPIDS



## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### UPPER BICUSPID UNIVERSAL KITS

BAND SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL BANDS
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6									100	

### LOWER FIRST BICUSPID KITS

BAND SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL BANDS
<b>Trial</b>	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	6	4	4	4	4	2	2	2	2	2	2	2	100
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800
<b>Refill</b>												6	8	8	8	10	10	10	10	8	8	8	6										100

### LOWER SECOND BICUSPIDS KITS

BAND SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL BANDS
<b>Introductory</b>	2	2	2	2	2	2	4	4	6	6	6	8	10	10	10	10	12	12	12	10	10	10	8	8	6	6	6	4	4	2	2	2	200
<b>Professional</b>	2	2	4	4	6	6	8	8	10	14	14	16	20	20	24	24	26	26	24	24	20	20	18	14	12	10	8	6	4	2	2	2	400
<b>Master</b>	4	4	6	6	10	10	12	18	24	28	32	34	40	44	48	50	50	50	50	50	44	40	36	26	24	20	14	10	4	4	4	4	800

# ULTIMAX MAXIMUM-RETENTION MOLARS



UltiMAX delivers the strength required for use with Class II appliances.

## BAND KIT DISTRIBUTION -

Each kit contains half rights and half lefts.

### ULTIMAX MAXIMUM-RETENTION MOLAR KITS

BAND SIZE	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL BANDS			
<b>Trial</b>	2	2	2	2	2	2	2	4	4	4	4	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	100		
<b>Introductory</b>	2	2	2	2	2	2	4	6	8	10	10	12	12	12	12	12	12	12	12	12	10	10	8	6	4	4	4	200		
<b>Professional</b>	4	4	4	4	4	4	8	12	16	20	20	24	24	24	24	24	24	24	24	24	20	24	24	20	16	12	8	8	400	
<b>Master</b>	6	6	6	6	8	10	16	24	32	40	40	50	50	50	50	50	50	50	50	50	40	50	50	40	40	32	24	10	10	800
<b>Refill</b>												4	6	8	10	10	12	12	10	10	8	6	4					100		

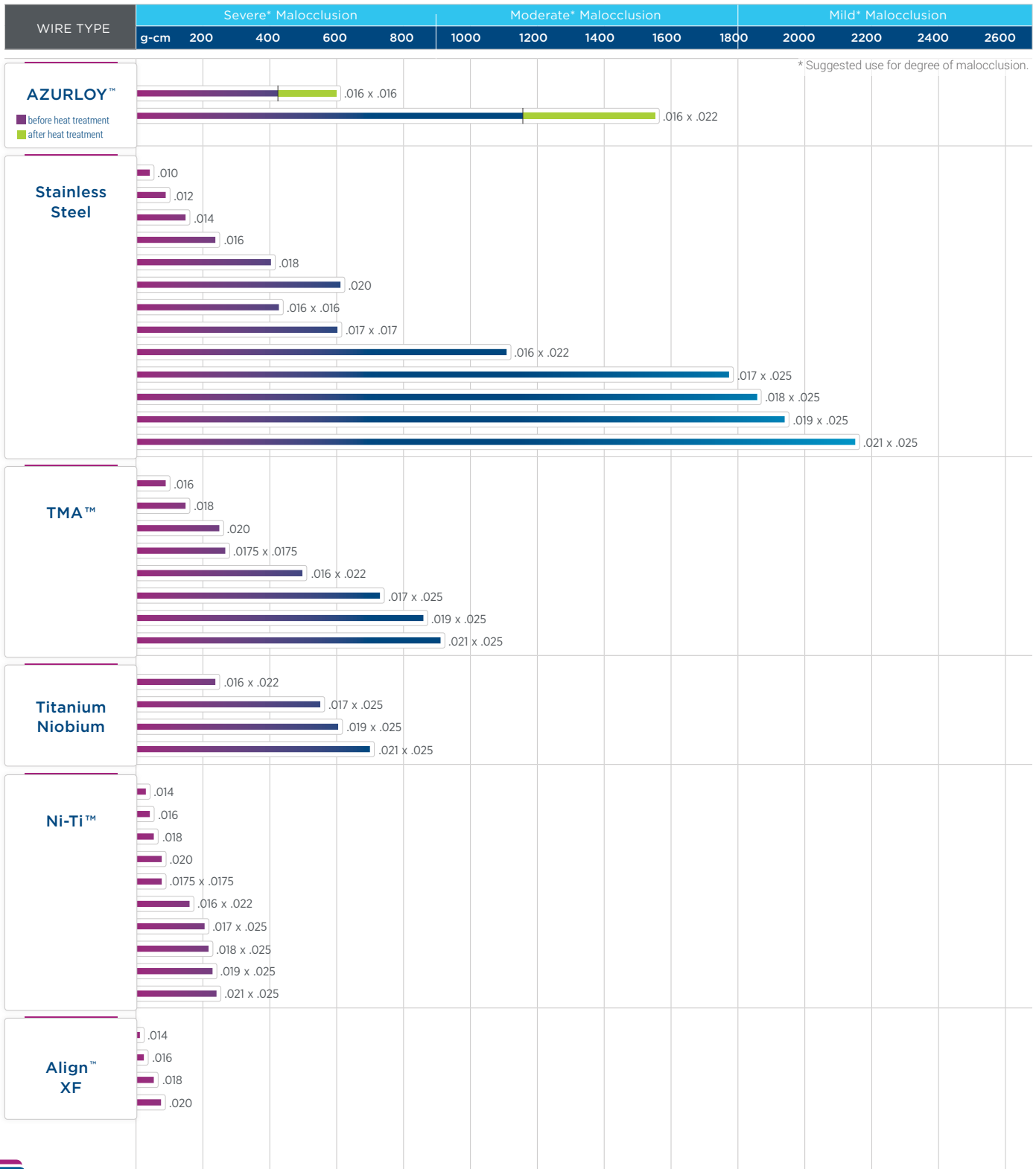
Trial Kit Treats 25 patients, Introductory kit/50 patients, Professional kit/100 patients, Master kit/200 patients, Refill kit/25 patients.

## 6

## Archwires

<b>Wire Stiffness Comparison Guide</b>	p. 94	<b>Vari-Simplex &amp; Teardrop Looped Arch Forms</b>	p. 108
<b>Kleen Pak Wire Dispenser</b>	p. 95	<b>Tru-Arch Arch Form</b>	p. 109
<b>TMA</b>	p. 96	<b>Standard Arch Form</b>	p. 114
<b>Copper Ni-Ti</b>	p. 98	<b>Lingual Arch Form</b>	p. 116
<b>Damon Arch Form</b>	p. 100	<b>Straight Length Wire</b>	p. 118
<b>Orthos Arch Form</b>	p. 102	<b>Reverse Curve Wire</b>	p. 119
<b>Broad Arch Form</b>	p. 105	<b>Archwire Templates</b>	p. 120

# WIRE STIFFNESS GUIDE





WIRE TYPE	Severe* Malocclusion					
	g-cm	200	400	600	800	1000
<b>Align™ XF</b> (cont'd)		.016 x .022				
		.017 x .017				
		.017 x .025				
		.019 x .025				
		.020 x .020				
<b>Align™ SE 200</b>		.014				
		.016				
		.018				
		.020				
		.016 x .022				
		.017 x .017				
		.017 x .025				
		.019 x .025				
<b>Copper Ni-Ti™ 27°C</b>		.014				
		.016				
		.018				
		.016 x .022				
		.014 x .025				
		.016 x .025				
<b>Copper Ni-Ti™ 35°C</b>		.016				
		.018				
		.016 x .022				
		.017 x .017				
		.017 x .025				
		.019 x .025				
<b>Copper Ni-Ti™ 40°C</b>		.020 x .020				
		.021 x .025				
		.016 x .022				
		.017 x .025				
<b>D-Rect™</b>		.019 x .025				
		.021 x .025				
		.016 x .022				
<b>Turbo Wire™</b>		.017 x .025				
		.021 x .025				
<b>Respond™</b>		.0155				
		.0175				
		.0195				
		.0215				

\* Suggested use for degree of malocclusion.



## KLEEN PAK™ WIRE DISPENSER SYSTEM

Archwires are individually packaged and sealed in the Kleen Pak™ and Patient Pack™ single-patient systems.

This attractive archwire dispenser can be placed on any flat surface or conveniently wall mounted. Dispenser fits both Kleen Pak and Patient Pack systems.

771-0012	Dispenser
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“Nothing could be more basic to our science than the control of space. Quite simply, in order to align teeth, we are first concerned with making enough space to fit them all in, then we close what is left over after we have aligned them. One can easily picture the orthodontic pioneers wrestling with this problem, much as we do today. The only difference is that we have more options today, options as to techniques, metals, forces and desired side effects. Understanding the uses, limitations, applications and anticipated actions of this wire can only improve its value to any practitioner. For this one wire can offer tremendous efficiency of time and force utilization.”



M. Alan Bagden, DMD —

## SPACE CLOSURE IN THE AGE OF “ VARIABLE MODULUS ” MECHANICS

Ormco helped develop the original Beta Titanium wire more than two decades ago. Over the years, Ormco refined the TMA manufacturing process to a science in order to deliver the TMA brand of Beta Titanium wire that remains the industry standard for consistency and quality.

With half the force but twice the working range of stainless steel<sup>1</sup>, TMA has indications for all stages of treatment. Because of its intermediate stiffness between stainless steel and the nickel-titanium memory alloys, it is especially beneficial as a main working archwire. TMA has good flexibility and springback characteristics along with predictable forces for consistent control.

- **Initial Stage** – TMA is recommended for tooth alignment, space closure and Curve of Spee. Ormco offers preformed Reverse Curve TMA and Reverse Curve TMA with “T” Loops.
- **Intermediate Stage** – TMA is recommended for early torque control with moderate forces. TMA also provides complete manipulation of the wire for dimensional control. Indications include use as an ideal retraction arch while exerting constant moderate forces over a longer period of time.
- **Final Stage** – TMA is used as a detailing wire with moderate force.

## LOW-FRICTION AND COLORED TMA

If sliding mechanics and minimum friction are your goals, then you will appreciate the benefits of Low-Friction and Colored Low-Friction TMA. TMA colors also offer patients exciting new looks.

<sup>1</sup> Kusy, Robert P., 1983. "Use of Nomograms to Determine Elastic Property Ratios of Arch wires" AJO-DO vol 83 no. 5 pp 374-381

## Ni-Ti

Ormco's trademark nickel-titanium wire, Ni-Ti has the resiliency and high springback necessary during treatment. Ni-Ti is indicated for initial leveling, aligning and rotational control.

## Turbo Wire

Turbo Wire is a nine-strand rectangular braided Ni-Ti, with low stiffness and great flexibility.

Turbo Wire is recommended as an initial wire to unravel and level while controlling torque and engaging brackets fully. It is also effective as a finishing wire, retaining torque but allowing vertical elastic use.



## Triple Flex

Triple Flex is a three-strand twisted stainless steel wire. It has moderately light forces and is used for initial leveling and alignment.



## Respond

Respond is a stainless steel coaxial wire. It is recommended as an initial archwire to level and align because of its light, gentle forces. Respond is also very flexible and possesses great springback characteristics. One of the benefits of Respond includes great control with larger initial wire diameters.



## Copper Ni-Ti

Ormco's most popular wire features a unique combination of alloys and processing that provides clinicians with a low hysteresis wire. The addition of copper to traditional nickel-titanium enhances the thermal reactive properties and consistency of forces. This allows for easy engagement and consistent, light unloading forces. Available in a variety of archforms.

## Stainless Steel

Ormco stainless steel wires are made of 300 series alloys. The wires are manufactured to the highest quality for dimensional precision and surface finish, providing optimum forces for arch stability, resilience, formability and sliding mechanics.



## D-Rect

D-Rect is an eight-strand braided stainless steel wire. It can be used throughout treatment where lighter forces with dimensional control are indicated.



## Titanium Niobium FA (Finishing Archwire)

Titanium Niobium FA is an archwire made without nickel that is designed for precision tooth-to-tooth finishing. The unique metallurgical properties of Titanium Niobium FA make it a precision intraoral detailing option. It is perfect for holding bends, yet light enough not to override the arch-to-arch relationship. It is recommended for use with finishing elastics even though it feels soft and pliable.

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# COPPER NI-TI™

Copper Ni-Ti is a quaternary alloy that provides the unique benefit of a low hysteresis, allowing the clinician to easily engage the wire which increases efficiency and provides more comfort for the patient. The addition of copper to traditional nickel titanium enhances thermal reactive properties and consistency of forces.

- Manufacturing temperature consistency and precise dimensional consistency means more reliable outcomes
- True heat activation due to TTR range that is within +/- 2° C tolerance
- Superior resistance to permanent deformation than Ni-Ti
- Easy to engage, even in the most severe cases
- Available in a variety of archforms

## 27°C SUPER-ELASTIC COPPER Ni-Ti

Generates constant unloading forces that can result in rapid tooth movement. The loading force is less than other super-elastic wires because of the low hysteresis unique to the copper alloy, while the unloading forces are comparable to traditional super-elastic nickel titanium wires.

## 35°C THERMO-ACTIVE COPPER Ni-Ti

Generates mid-range, constant force levels until the wire has fully recovered to its original shape. Ligation is easier with full-size archwires due to lower loading forces. When earlier engagement of full-size wires and sustained unloading forces at body temperature is desired, this is the ideal wire.

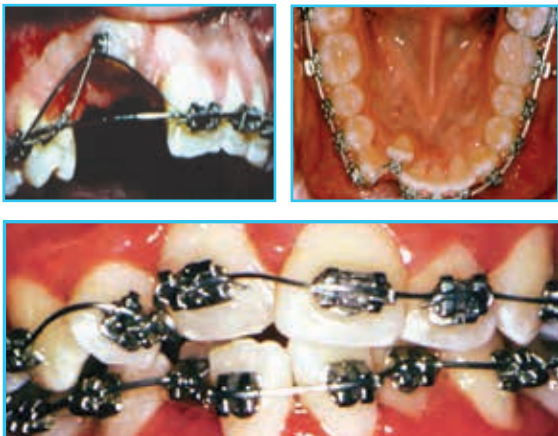
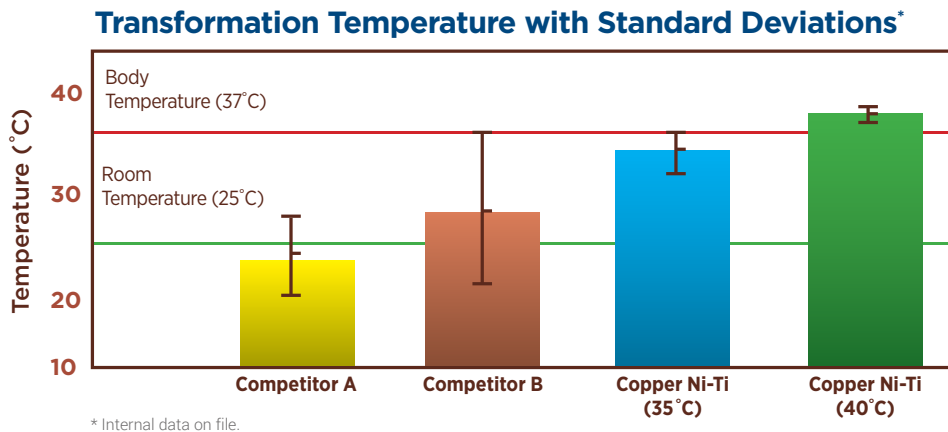
## 40°C THERMO-ACTIVE COPPER Ni-Ti

Generates intermittent, light forces and is useful as an initial wire in patients with a low pain threshold. Severely malaligned teeth can be engaged with light force. It is an excellent choice for patients scheduled for long intervals between visits.

29 <b>Cu</b> Copper 63.546	24 <b>Cr</b> Chromium 51.996
28 <b>Ni</b> Nickel 58.693	22 <b>Ti</b> Titanium 47.88



Fig. A – The standard deviations explain inconsistencies in the TTR range, whereas Copper NiTi wires produce a very narrow variance. The narrow variance means reliability in the expected forces.



By controlling the transformation temperatures in the manufacturing process, the forces are controlled, providing consistent, light movement. Copper NiTi's narrow manufacturing tolerances mean reliability in the amount of force delivered from batch to batch.



# DAMON ARCH FORM

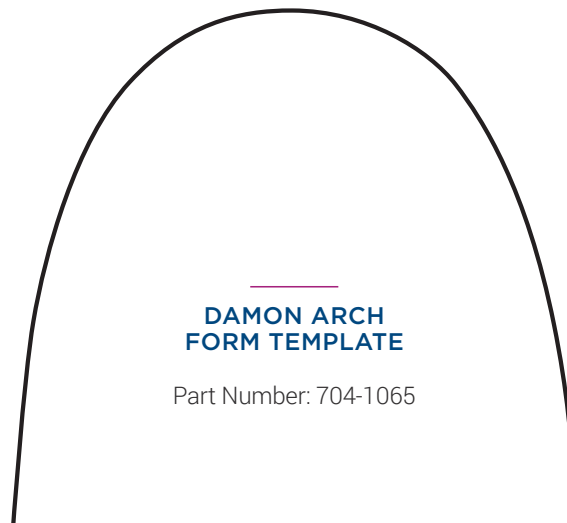
“In the final phase of treatment, Low-Friction TMA has become an invaluable part of my wire armamentarium. Low-Friction TMA's greater flexibility allows you to more easily bend torque in the archwire with moderate forces without hindering your ability to close the slide. It is also easier to insert the wire and close the slide than stainless steel when small detail bends are desired at the end of treatment.”



Dwight Damon, DDS, MSD —

Dr. Dwight Damon developed this arch form after carefully studying 7,000 photographs of exceptional smiles. Dr. Damon believes that a great smile is exemplified by six well-positioned anterior teeth and an arch form that displays the first bicuspid, second bicuspid, and the mesio-buccal surface of the first molar when viewed from the anterior. This arch form prevents the “dark corner syndrome” in the posterior of the mouth.

More importantly, Dr. Damon feels that an arch form must function in a manner consistent with gnathologic principles. After he carefully evaluated several hundred patients and their articulated models, tomograms and headfilms, he concluded that this arch form can help enhance dental function.



## COPPER Ni-Ti™ (w/stops)

All Damon Copper Ni-Ti cross-sections come with archwire stops, pre-loaded, for your convenience. Stops are easily crimped with arch-bending Howe or Weingart pliers.

wire size	part number
<b>DAMON</b>	
.013	205-1909
.014	205-1902
.016	205-1903
.018	205-1904
.014 x .025	210-1905
.016 x .025	210-1906
.018 x .025	210-1907

## Ni-Ti™ — PRE-TORQUED

Superb wires for division 2 cases where intrusion and additional torque are indicated. Wires have 20° of anterior torque built in at 34 mm and 38 mm lengths.

anterior torque length – reverse curve	wire size / part number		
	.016 x .025	.017 x .025	.019 x .025
<b>DAMON</b>			
<b>34 mm</b>	216-3416	216-3417	216-3419
<b>38 mm</b>	216-3816	216-3817	216-3819

anterior torque length – flat	wire size / part number		
	.016 x .025	.017 x .025	.019 x .025
<b>DAMON</b>			
<b>34 mm</b>	227-0341	227-0342	227-0343
<b>38 mm</b>	227-0381	227-0382	227-0383

## Ni-Ti™ — REVERSE CURVE

Ideal when only intrusion is indicated. Comes in Packs of 5.

arch form	wire size / part number		
DAMON	.016 x .025	.017 x .025	.019 x .025
	216-3806	216-3807	216-3809

## TMA™ — LOW-FRICTION COLORED

wire size	color	
	Purple	Honeydew
<b>DAMON</b>		
.016 x .025	227-1141	227-1151
.017 x .025	227-1142	227-1152
.019 x .025	227-1143	227-1153

Packs of 5

## TMA™ — LOW-FRICTION

wire size	part number
<b>DAMON</b>	
.016 x .025	227-1111
.017 x .025	227-1112
.019 x .025	227-1113

## STAINLESS STEEL

wire size	part number
<b>DAMON</b>	
.016 x .025	227-1067
.019 x .025	227-1071

## STAINLESS STEEL — POSTED

wire size	color	
	Purple	Honeydew
<b>DAMON</b>		
<b>24 mm</b>	227-1026	227-1027
<b>26 mm</b>	227-1028	227-1029
<b>28 mm</b>	227-1030	227-1031
<b>30 mm</b>	227-1032	227-1033
<b>32 mm</b>	227-1034	227-1035
<b>34 mm</b>	227-1036	227-1037
<b>36 mm</b>	227-1038	227-1039
<b>38 mm</b>	227-1040	227-1041
<b>40 mm</b>	227-1042	227-1043

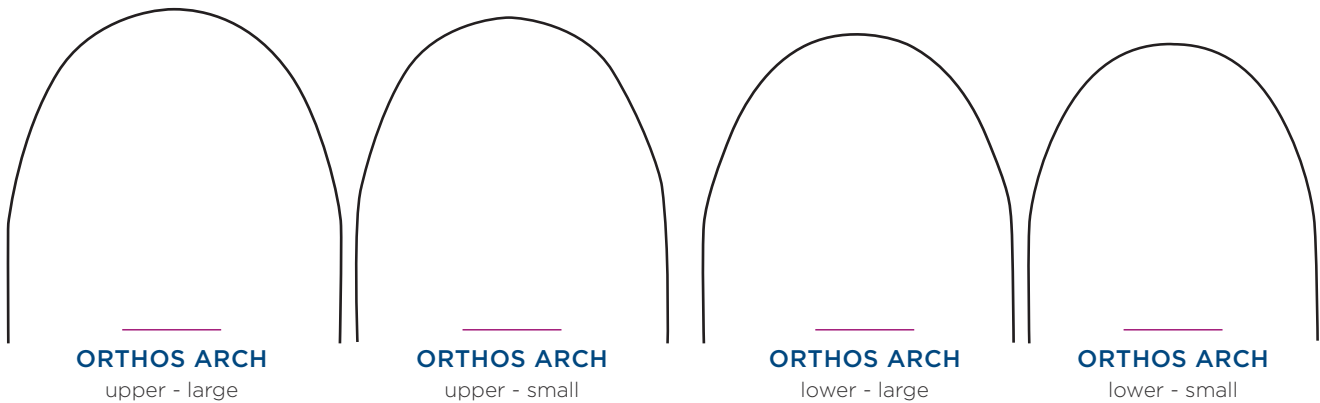
Stainless steel wires are packaged in Patient Packs of 10.  
All wires are packaged in Kleen Paks of 10 unless otherwise noted.

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# ORTHOS ARCH FORM

The Orthos\* archwire shape is unique because it was derived from the skeletal and dental anatomy of typical orthodontic cases.

Orthos archwires combine a comprehensive selection of various modulus alloys with a fully integrated arch form designed to synchronize with Orthos brackets and buccal tubes. Through Computer Aided Engineering (CAE), both mandibular and maxillary arch forms are coordinated to the complete seven-to-seven Orthos system. Orthos, Orthos AP and Bios are designed to coordinate with the same Orthos arch form.



## ARCHWIRE TEMPLATE — ORTHOS

	Part #
Orthos Archwire Template	219-0000

## COPPER Ni-Ti™ 27°C (w/ stops)

arch form	wire size
<b>ORTHOS - NO DIMPLE</b>	<b>.018</b>
Upper Small	219-0204
Lower Small	219-0104
Upper Large	219-0404
Lower Large	219-0304

ORTHOS - NO DIMPLE	.018
Upper Small	219-7210
Lower Small	219-7202
Upper Large	219-7226
Lower Large	219-7218

\* Distributed in Europe as Ortho-CIS  
All wires are packaged in Kleen Paks of 10 unless otherwise noted.



## COPPER Ni-Ti™ 35° C

arch form	wire size + part numbers							
<b>ORTHOS - NO DIMPLE</b>	.016	.018	.017 x .017	.020 x .020	.016 x .022	.017 x .025	.019 x .025	.021 x .025
Upper Small	219-4203	219-4204	219-4209	219-4211	219-4208	219-4210	219-4212	219-4213
Lower Small	219-4103	219-4104	219-4109	219-4111	219-4108	219-4110	219-4112	219-4113
Upper Large	219-4403	219-4404	219-4409	219-4411	219-4408	219-4410	219-4412	219-4413
Lower Large	219-4303	219-4304	219-4309	219-4311	219-4308	219-4310	219-4312	219-4313

arch form	wire size + part numbers							
<b>ORTHOS - DIMPLE</b>	.016	.018	.017 x .017	.020 x .020	.016 x .022	.017 x .025	.019 x .025	.021 x .025
Upper Small					219-7311		219-7315	
Lower Small					219-7303		219-7307	
Upper Large					219-7327		219-7331	
Lower Large					219-7318		219-7323	

## COPPER Ni-Ti™ 40° C

arch form	wire size + part numbers			
<b>ORTHOS</b>	.016 x .022	.017 x .025	.019 x .025	.021 x .025
Upper Small	219-5208	219-5210	219-5212	219-5213
Lower Small	219-5108	219-5110	219-5112	219-5113
Upper Large	219-5408	219-5410	219-5412	
Lower Large	219-5308	219-5310	219-5312	

## Ni-Ti™

arch form	wire size + part numbers				
<b>ORTHOS</b>	.016	.018	.016 x .022	.017 x .025	.019 x .025
Upper Small	219-3203	219-3204	219-3208	219-3210	219-3212
Lower Small	219-3103	219-3104	219-3108	219-3110	219-3112
Upper Large	219-3403	219-3404	219-3408	219-3410	219-3412
Lower Large	219-3303	219-3304	219-3308	219-3310	219-3312

## TURBO WIRE™

arch form	wire size
<b>ORTHOS</b>	.017 x .025
Upper Small	219-6210
Lower Small	219-6110
Upper Large	219-6410
Lower Large	219-6310

## TITANIUM NIOBIUM FINISHING ARCHWIRE

arch form	wire size + part numbers		
<b>ORTHOS</b>	.016 x .022	.017 x .025	.019 x .025
Upper Small	219-8208	219-8210	219-8212
Lower Small	219-8108	219-8110	219-8112
Upper Large	219-8408	219-8410	219-8412
Lower Large		219-8310	219-8312

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

## STAINLESS STEEL

arch form	wire size + part numbers		
<b>ORTHOS - ROUND</b>	<b>.016</b>	<b>.018</b>	<b>.20</b>
Upper Small	219-1570	219-1571	219-1572
Lower Small	219-1560	219-1561	219-1562
Upper Large	219-1590	219-1591	219-1592
Lower Large	219-1580	219-1581	219-1582

arch form	wire size + part numbers				
<b>ORTHOS - RECTANGULAR</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.018 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
Upper Small	219-1208	219-1210	219-1211	219-1212	
Lower Small	219-1108	219-1110	219-1111	219-1112	219-1113
Upper Large	219-1408	219-1410	219-1411	219-1412	219-1413
Lower Large	219-1308	219-1310	219-1311	219-1312	219-1313

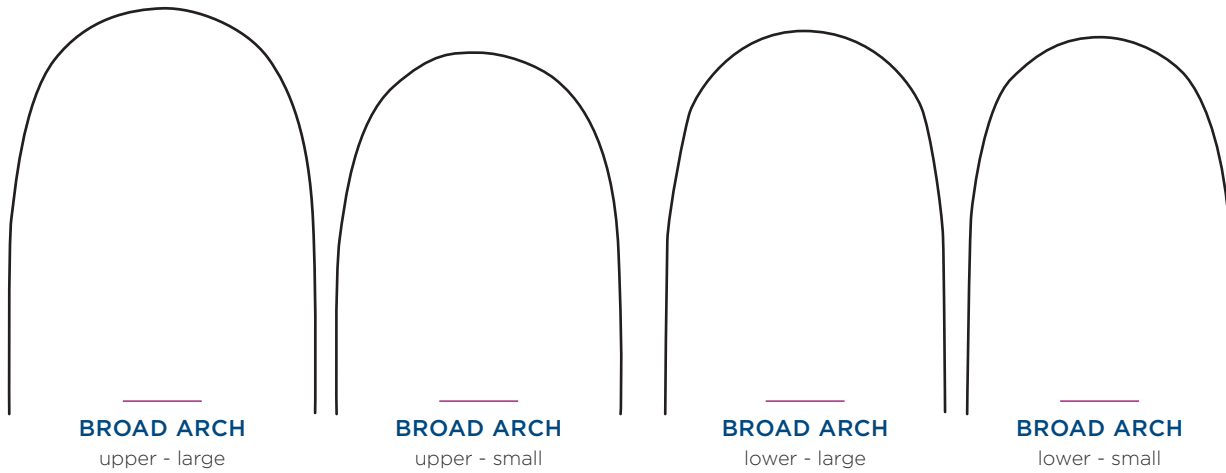
## TMA™

arch form	wire size + part numbers			
<b>ORTHOS</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
Upper Small	219-2208	219-2210	219-2212	219-2213
Lower Small	219-2108	219-2110	219-2112	219-2113
Upper Large	219-2408	219-2410	219-2412	219-2413
Lower Large	219-2308	219-2310	219-2312	219-2313

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

# BROAD ARCH FORM

- Used throughout treatment for a wide variety of archwire progressions to simplify archwire adjustment while maintaining ideal arch form
- Used with preadjusted appliances with built-in in/out relationships
- Final Phase: Slightly expanded nature is designed to account for natural settling after removal where tendency toward narrowing occurs



## COPPER Ni-Ti™ 27°C

arch form	wire size + part numbers					
<b>BROAD</b>	<b>.014</b>	<b>.016</b>	<b>.018</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>
Upper Small	205-0040	205-0044	205-0048	210-0902	210-0903	210-0905
Lower Small	205-0042	205-0046	205-0050	211-0902	211-0903	211-0905
Upper Large	205-0041	205-0045	205-0049	210-0912	210-0913	210-0915
Lower Large	205-0043	205-0047	205-0051	211-0912	211-0913	211-0915

## COPPER Ni-Ti™ 35°C

arch form	wire size + part numbers							
<b>BROAD</b>	<b>.016</b>	<b>.018</b>	<b>.017 x .017</b>	<b>.020 x .020</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
Upper Small	205-0064	205-0068	210-0921	210-0927	210-0922	210-0923	210-0925	210-0926
Lower Small	205-0066	205-0070	211-0921	211-0927	211-0922	211-0923	211-0925	211-0926
Upper Large	205-0065	205-0069	210-0931	210-0937	210-0932	210-0933	210-0935	210-0936
Lower Large	205-0067	205-0071	211-0931	211-0937	211-0932	211-0933	211-0935	211-0936

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## COPPER Ni-Ti™ 40°C

arch form	wire size + part numbers			
<b>BROAD</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
<b>Upper Small</b>	210-0942	210-0943	210-0945	
<b>Lower Small</b>	211-0942	211-0943	211-0945	
<b>Upper Large</b>	210-0952	210-0953	210-0955	210-0956
<b>Lower Large</b>	211-0952	211-0953	211-0955	211-0956

## Ni-Ti™

arch form	wire size + part numbers								
<b>BROAD</b>	<b>.014</b>	<b>.016</b>	<b>.018</b>	<b>.020</b>	<b>.0175 x .0175</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.018 x .025</b>	<b>.019 x .025</b>
<b>Upper Small</b>	205-0009	205-0001	205-0003	205-0013	210-0501	210-0502	210-0503	210-0504	210-0505
<b>Lower Small</b>	205-0011	205-0005	205-0007	205-0015	211-0501	211-0502	211-0503	211-0504	211-0505
<b>Upper Large</b>	205-0010	205-0002	205-0004	205-0014	210-0511	210-0512	210-0513	210-0514	210-0515
<b>Lower Large</b>	205-0012	205-0006	205-0008	205-0016	211-0511	211-0512	211-0513	211-0514	211-0515

## Ni-Ti™ — REVERSE CURVE

arch form	wire size + part numbers					
<b>BROAD</b>	<b>.016</b>	<b>.018</b>	<b>.016 x .022</b>	<b>.016 x .025</b>	<b>.017 x .025</b>	<b>.019 x .025</b>
<b>Upper</b>	216-0116	216-0118	216-1622	216-1625	216-1725	216-1925
<b>Lower</b>	217-0116	217-0118	217-1622	217-1625	217-1725	217-1925



Ni-Ti — Reverse Curve

## TMA™

arch form	wire size + part numbers			
<b>BROAD</b>	<b>.016</b>	<b>.018</b>	<b>.017 x .017</b>	<b>.020 x .020</b>
<b>Upper Small</b>	210-0301	210-0302	210-0401	210-0405
<b>Lower Small</b>	211-0301	211-0302	211-0401	211-0405
<b>Upper Large</b>	210-0311	210-0312	210-0411	210-0415
<b>Lower Large</b>	211-0311	211-0312	211-0411	211-0415

## LOW-FRICTION TMA™

arch form	wire size + part numbers		
<b>BROAD</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>
<b>Upper Small</b>	210-1402	210-1403	210-1404
<b>Lower Small</b>	211-1402	211-1403	211-1404
<b>Upper Large</b>	210-1412	210-1413	210-1414
<b>Lower Large</b>	211-1412	211-1413	211-1414

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

## COLORED TMA™

arch form	color + part numbers		arch form	color + part numbers		arch form	color + part numbers	
<b>.016 X .022</b>	Purple	Honeydew	<b>.017 X .025</b>	Purple	Honeydew	<b>.019 X .025</b>	Purple	Honeydew
Upper Small	210-4402	210-5402	Upper Small	210-4403	210-5403	Upper Small	210-4404	210-5404
Lower Small	211-4402	211-5402	Lower Small	211-4403	211-5403	Lower Small	211-4404	211-5404
Upper Large	210-4412	210-5412	Upper Large	210-4413	210-5413	Upper Large	210-4414	210-5414
Lower Large	211-4412		Lower Large	211-4413	211-5413	Lower Large	211-4414	211-5414

PACKS OF 5

## TITANIUM NIOBIUM FINISHING ARCHWIRE

arch form	wire size + part numbers		
<b>BROAD</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>
Upper Small	210-0442	210-0443	210-0445
Lower Small	211-0442	211-0443	211-0445
Upper Large	210-0452	210-0453	210-0455
Lower Large	211-0452	211-0453	211-0455

## TURBO WIRE™

arch form	wire size + part numbers	
<b>BROAD</b>	<b>.017 x .025</b>	<b>.021 x .025</b>
Upper	210-0802	210-0805
Lower	211-0802	211-0805

## STAINLESS STEEL

arch form	round wire size + part numbers			
<b>BROAD - ROUND</b>	<b>.014</b>	<b>.016</b>	<b>.018</b>	<b>.020</b>
Upper Small*	210-0024	210-0026	210-0028	210-0030
Lower Small*	211-0024	211-0026	211-0028	211-0030
Upper Large*	210-0124	210-0126	210-0128	210-0130
Lower Large*	211-0124	211-0126	211-0128	211-0130

\*20/pk

arch form	rectangular wire size + part numbers				
<b>BROAD - RECTANGULAR</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.018 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
Upper Small	210-0701	210-0702	210-0703	210-0704	210-0705
Lower Small	211-0701	211-0702	211-0703	211-0704	211-0705
Upper Large	210-0711	210-0712	210-0713	210-0714	210-0715
Lower Large	211-0711	211-0712	211-0713	211-0714	211-0715

arch form	square wire size + part numbers
<b>BROAD - SQUARE</b>	<b>.016 x .016</b>
Upper Small	210-0706
Lower Small	211-0706
Upper Large	210-0716
Lower Large	211-0716

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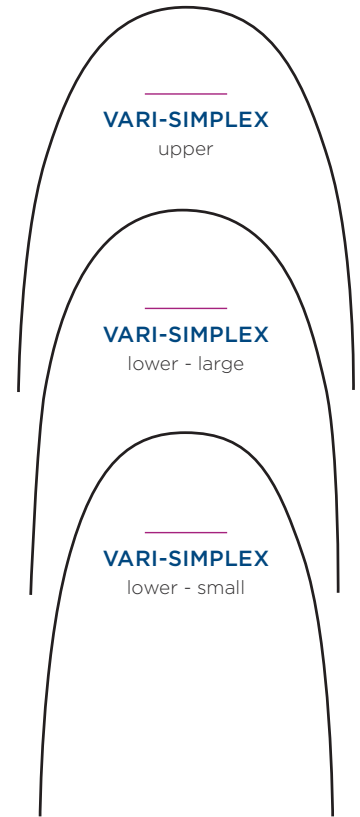
# VARI-SIMPLEX™ & TEARDROP LOOPED ARCH FORMS

The Vari-Simplex arch form is slightly narrowed in the cuspid region for the Alexander arch form.

- Vari-Simplex are designed to be versatile for varying anatomy thus reducing the need to inventory a large number of archforms
- Easy to use: stress-relieved, polished and midline markings
- Used throughout treatment with pre-adjusted Straight-Wire appliance systems
- Alexander TMA Teardrop Looped arches are designed to complement the Alexander technique



Alexander Teardrop Loop



## ARCHWIRE TEMPLATE — ALEXANDER

	Part Number
Alexander Archwire Template	207-0060

## STAINLESS STEEL VARI-SIMPLEX™

arch form	wire size		
	.016	.017 x .025	.019 x .025
<b>ALEXANDER</b>			
Upper (Size 3)	207-0032	207-0037	207-0042
Lower Small (Size 1)	207-0030	207-0035	207-0040
Lower Large (Size 2)	207-0031	207-0036	207-0041

## TMA VARI-SIMPLEX™

arch form	wire size		
	.016 x .022	.017 x .025	.019 x .025
<b>ALEXANDER</b>			
Upper	207-0045	207-0048	207-0063
Lower Small	207-0043	207-0046	207-0061
Lower Large	207-0044	207-0047	207-0062

## TMA™ TEARDROP LOOPED

arch form	upper*	lower**
<b>ALEXANDER</b>	.017 x .025	.016 x .022
34 mm	206-0070	
36 mm	206-0071	207-0070
38 mm	206-0072	207-0071
40 mm	206-0073	207-0072
42 mm	206-0074	207-0073
44 mm	206-0075	207-0074
46 mm		207-0075
Kit	206-0076	207-0076

5/pk

\* Loops distal to laterals \*\*Loops distal to cuspids

## Arch Distribution in Kits

UPPER		LOWER	
size	qty.	size	qty.
34 mm	6	36 mm	6
36 mm	10	38 mm	10
38 mm	14	40 mm	14
40 mm	14	42 mm	14
42 mm	10	44 mm	10
44 mm	6	46 mm	6

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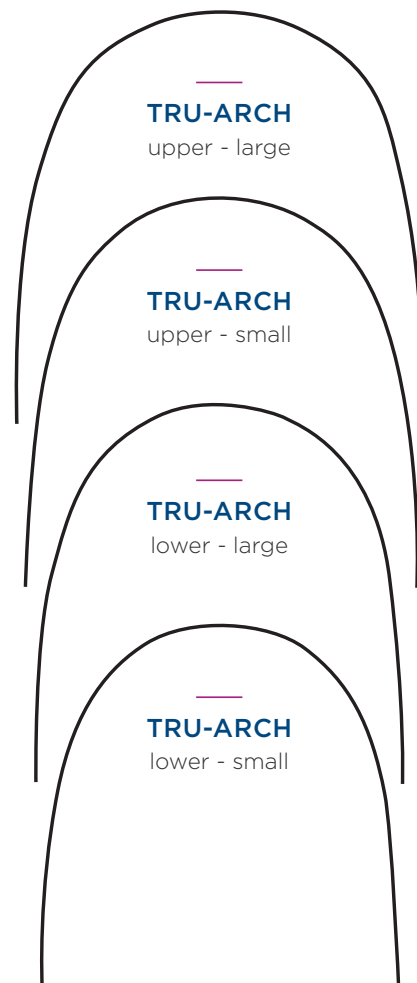
# TRU-ARCH™ ARCH FORM

## THE FUNCTIONAL ARCH FORM

The Tru-Arch forms are designed to be more broad and flat across the incisors, which is ideal for use with the Straight-Wire appliance systems by helping to eliminate in/out archwire bends. The Straight-Wire system's customized bracket thickness marries with the Tru-Arch form shape providing an optimal path for ideal occlusion.

### ARCHWIRE TEMPLATE — TRU-ARCH

	Part #
Tru-Arch Archwire Template	704-1064



### COPPER Ni-Ti™ 27°C

arch form	wire size + part numbers							
	.014	.016	.018	.014 x .025	.016 x .022	.016 x .025	.017 x .025	.019 x .025
Upper Small	205-6201	205-6202	205-6203	210-9101	210-9103	210-9102	210-9104	210-9105
Lower Small	205-6101	205-6102	205-6103	211-9101	211-9103	211-9102	211-9104	211-9105
Upper Large	205-6401	205-6402	205-6403	210-9201	210-9203	210-9202	210-9204	210-9205
Lower Large	205-6301	205-6302	205-6303	211-9201	211-9203	211-9202	211-9204	211-9205

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## COPPER Ni-Ti™ 27° C

arch form	wire size + part numbers					
<b>TRU-ARCH — DIMPLE</b>	<b>.014</b>	<b>.016</b>	<b>.018</b>	<b>.014 x .025</b>	<b>.016 x .022</b>	<b>.016 x .025</b>
Upper Small	205-6221	205-6222	205-6223	210-9121	210-9123	
Lower Small	205-6121	205-6122	205-6123	211-9121	211-9123	211-9122
Upper Large	205-6421	205-6422	205-6423	210-9221	210-9223	210-9222
Lower Large	205-6321	205-6322	205-6323	211-9221	211-9223	211-9222

<b>TRU-ARCH — STOPS</b>	<b>.014</b>
Upper Large	227-1360
Lower Large	227-1361

## COPPER Ni-Ti™ 35° C

arch form	wire size + part numbers						
<b>TRU-ARCH — NO DIMPLE</b>	<b>.016</b>	<b>.018</b>	<b>.016 x .022</b>	<b>.017 x .017</b>	<b>.017 x .025</b>	<b>.019 x .025</b>	<b>.020 x .020</b>
Upper Small	205-6212	205-6213	210-9113	210-9111	210-9114	227-1331	210-9112
Lower Small	205-6112	205-6113	211-9113	211-9111	211-9114	227-1333	211-9112
Upper Large	205-6412	205-6413	210-9213	210-9211	210-9214	227-1332	210-9212
Lower Large	205-6312	205-6313	211-9213	211-9211	211-9214	227-1334	211-9212

<b>TRU-ARCH — DIMPLE</b>	<b>.016</b>	<b>.018</b>	<b>.016 x .022</b>	<b>.017 x .017</b>	<b>.017 x .025</b>	<b>.019 x .025</b>	<b>.020 x .020</b>
Upper Small	205-6232	205-6233	210-9133	210-9131	210-9134	210-9135	210-9132
Lower Small	205-6132	205-6133	211-9133	211-9131	211-9134	211-9135	211-9132
Upper Large	205-6432	205-6433	210-9233	210-9231	210-9234	210-9235	210-9232
Lower Large	205-6332	205-6333	211-9233	211-9231	211-9234	211-9235	211-9232

<b>TRU-ARCH — STOPS</b>	<b>.016</b>	<b>.018</b>	<b>.016 x .022</b>	<b>.017 x .017</b>	<b>.017 x .025</b>	<b>.019 x .025</b>	<b>.020 x .020</b>
Upper Small				227-1301	227-1311		227-1321
Lower Small				227-1303	227-1313		227-1323
Upper Large		227-1370		227-1302	227-1312		227-1322
Lower Large		227-1371		227-1304	227-1314		227-1324

## COPPER Ni-Ti™ 40° C

arch form	wire size	
<b>TRU-ARCH</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
Upper Small	227-1401	227-1411
Lower Small	227-1403	227-1413
Upper Large	227-1402	227-1412
Lower Large	227-1404	227-1414

All wires are packaged in Kleen Paks of 10 unless otherwise noted.



The Align™ nickel-titanium archwires come with the option of a permanent vertical midline “dimple” that is designed to prevent archwire “walking” and eliminates the need to cinch the archwire behind the buccal tube.

## ALIGN SE 200 (SUPER ELASTIC)

Align SE 200 nickel-titanium archwires provide constant forces during treatment. Since this wire is fully austenitic at room temperature, it is recommended for instances where the orthodontist desires slightly higher force levels.



### ALIGN SE 200

arch form	wire size + part numbers			
TRU-ARCH — DIMPLE	.014	.016	.018	.020
Upper Medium	227-3152	227-3154	227-3156	227-3158
Lower Medium	227-3126	227-3132	227-3129	227-3131
TRU-ARCH — NO DIMPLE	.014	.016	.018	.020
Upper Medium	227-3151	227-3153	227-3155	227-3157
Lower Medium	227-3125	227-3127	227-3128	227-3130

### ALIGN SE 200 — RECTANGULAR & SQUARE

arch form	wire size + part numbers								
TRU-ARCH — NO DIMPLE	.016 x .016	.016 x .022	.017 x .025	.018 x .018	.018 x .025	.019 x .025	.020 x .020	.021 x .025	.022 x .028
Upper Small	227-3134	227-3136	227-3138		227-3142	227-3144	227-3649	227-3146	227-3648
Upper Medium	227-3108	227-3110	227-3112		227-3116	227-3118	227-3657	227-3122	227-3656
Lower Small	227-3677	227-3135	227-3137	227-3679	227-3141	227-3143	227-3678	227-3145	
Lower Medium	227-3674	227-3109	227-3111	227-3676	227-3115	227-3117	227-3675	227-3121	

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## ALIGN™ XF

Align nickel-titanium archwires come with the option of a permanent vertical midline “dimple” that helps prevent archwire “walking” and reduces the need to cinch the archwire behind the buccal tube.

### ALIGN XF

arch form	wire size + part numbers			
<b>TRU-ARCH — NO DIMPLE</b>	<b>.012</b>	<b>.014</b>	<b>.016</b>	<b>.018</b>
<b>Upper Small</b>	227-3640	227-3379	227-3383	227-3387
<b>Upper Medium</b>	227-3225	227-3217	227-3219	227-3221
<b>Lower Small</b>	227-3286	227-3365	227-3369	227-3582
<b>Lower Medium</b>	227-3207	227-3209	227-3211	227-3213
<b>TRU-ARCH — DIMPLE</b>	<b>.012</b>	<b>.014</b>	<b>.016</b>	<b>.018</b>
<b>Upper Small</b>	227-3393	227-3377	227-3381	227-3385
<b>Upper Medium</b>	227-3224	227-3216	227-3218	227-3220
<b>Lower Small</b>	227-3284	227-3361	227-3367	227-3371
<b>Lower Medium</b>		227-3208	227-3210	227-3212



### ALIGN XF — RECTANGULAR & SQUARE

arch form	wire size + part numbers					
<b>TRU-ARCH — NO DIMPLE</b>	<b>.016 x .016</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.018 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
<b>Upper Small</b>	227-3326	227-3330	227-3334	227-3342	227-3346	227-3354
<b>Upper Medium</b>	227-3249	227-3253	227-3257		227-3269	227-3278
<b>Lower Small</b>	227-3290	227-3294	227-3298	227-3306	227-3310	227-3318
<b>Lower Medium</b>	227-3227	227-3229	227-3231	227-3236	227-3238	227-3242
<b>TRU-ARCH — DIMPLE</b>	<b>.016 x .016</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.018 x .025</b>	<b>.019 x .025</b>	<b>.021 x .025</b>
<b>Upper Small</b>	227-3324	227-3328	227-3332	227-3340	227-3344	227-3352
<b>Upper Medium</b>		227-3251	227-3255	227-3263	227-3267	227-3275
<b>Lower Small</b>	227-3288	227-3292	227-3296	227-3304	227-3308	227-3316
<b>Lower Medium</b>	227-3226	227-3228	227-3230	227-3235	227-3237	227-3241

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# STAINLESS STEEL

arch form	round wire size + part numbers			
TRU-ARCH - ROUND	.014	.016	.018	.020
Upper Small	227-9042	227-9043	227-9044	227-9154
Lower Small	227-9024	227-9025	227-9026	227-9027
Upper Medium	227-9038	227-9039	227-9040	227-9041
Lower Medium	227-9020	227-9021	227-9022	227-9023

arch form	rectangular wire size + part numbers					
TRU-ARCH - RECTANGULAR	.016 x .022	.017 x .025	.018 x .025	.019 x .025	.021 x .025	.022 x .028
Upper Small	227-9045	227-9047	227-9049	227-9050	227-9052	227-9054
Lower Small	227-9011	227-9013	227-9015	227-9016	227-9018	227-9019
Upper Medium	227-9029	227-9031	227-9033	227-9034	227-9036	227-9037
Lower Medium	227-9001	227-9003	227-9005	227-9006	227-9008	227-9009

arch form	wire size
TRU-ARCH - SQUARE	.016 x .016
Upper Small	227-9055
Lower Small	227-9010
Upper Medium	227-9028
Lower Medium	227-9000

arch form	wire size + part numbers		arch form	wire size
TRU-ARCH - KEYHOLE LOOPED (2)	.016 x .022	.019 x .025	TRU-ARCH - KEYHOLE LOOPED (4)	.019 x .025
22mm	227-5000	227-5001	22mm	227-5025
24mm	227-5002	227-5003	24mm	227-5027
26mm	227-5004	227-5005	26mm	227-5029
28mm	227-5006	227-5007	28mm	227-5031
30mm	227-5008	227-5009	30mm	227-5033
32mm	227-5010	227-5011	32mm	227-5035
34mm	227-5012	227-5013	34mm	227-5037
36mm	227-5014	227-5015	36mm	227-5039
38mm	227-5016	227-5017	38mm	227-5041
40mm	227-5018	227-5019	40mm	227-5043
42mm	227-5020	227-5021	42mm	227-5045
44mm	227-5022	227-5023	44mm	227-5047

10/pk

10/pk



Keyhole Looped (2)

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

## STAINLESS STEEL — POSTED

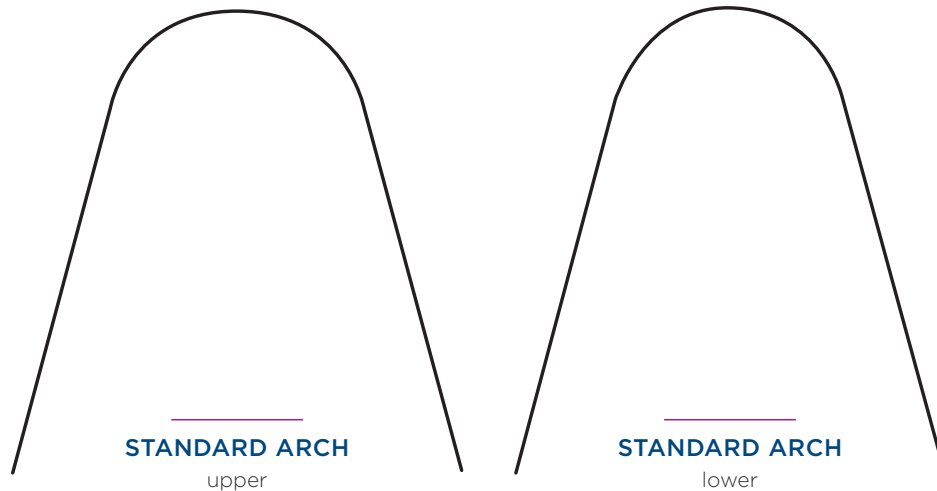
		wire size + part numbers				wire size + part numbers	
<b>UPPER - TRU-ARCH ROUNDED</b>	.018	.020	<b>UPPER - TRU-ARCH RECTANGULAR</b>	.016 x .022	.018 x .025	.019 x .025	
32mm		227-7029	32mm			227-7028	
34mm	227-7031	227-7034	34mm	227-7030	227-7032	227-7033	
36mm	227-7036		36mm	227-7035	227-7037	227-7038	
38mm	227-7041		38mm	227-7040		227-7043	
40mm			40mm			227-7048	
42mm			42mm			227-7053	
44mm			44mm			227-7058	
<b>LOWER</b>	.018	.020	<b>LOWER</b>	.016 x .022	.018 x .025	.019 x .025	
22mm			22mm			227-7003	
24mm			24mm			227-7008	
26mm			26mm			227-7013	
28mm	227-7016		28mm			227-7018	
30mm		227-7024	30mm			227-7023	

10/pk

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

# STANDARD ARCH FORM

The standard arch form is available in a number of Ormco archwires.



## TMA™

arch form	wire size + part numbers				
<b>STANDARD</b>	.016	.018	.0175 x .0175	.016 x .022	.021 x .025
<b>Upper</b>	202-0003	202-0004	202-0012	202-0011	202-0013
<b>Lower</b>	202-0005	202-0006	202-0016	202-0014	202-0017

## TMA™ — LOW-FRICTION

arch form	wire size + part numbers	
<b>STANDARD</b>	.017 x .025	.019 x .025
<b>Upper</b>	202-1007	202-1008
<b>Lower</b>	202-1009	202-1010

## STAINLESS STEEL

arch form	wire size + part numbers			
<b>STANDARD - ROUND</b>	.014	.016	.018	.020
<b>Upper*</b>	206-0014	206-0016	206-0018	206-0020
<b>Lower*</b>	207-0014	207-0016	207-0018	207-0020

\* Pack of 20

arch form	wire size + part numbers					
<b>STANDARD - RECTANGULAR</b>	.016 x .022	.017 x .022	.017 x .025	.018 x .022	.018 x .025	.019 x .025
<b>Upper</b>	208-1622	208-1722	208-1725	208-1822	208-1825	208-1925
<b>Lower</b>	209-1622	209-1722	209-1725	209-1822	209-1825	209-1925

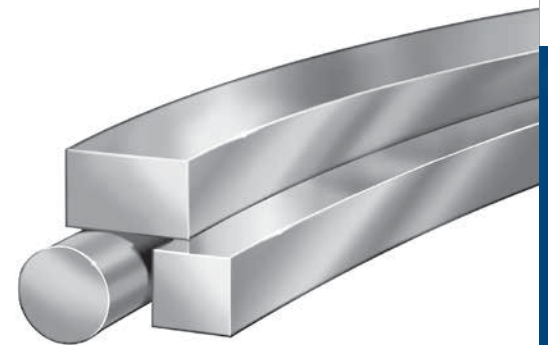
arch form	wire size + part numbers	
<b>STANDARD - SQUARE</b>	.016 x .016	.017 x .017
<b>Upper</b>	208-1616	208-1717
<b>Lower</b>	209-1616	209-1717

## D-RECT

arch form	wire size + part numbers				
<b>STANDARD</b>	.016 x .022	.017 x .025	.018 x .025	.019 x .025	.021 x .025
<b>Upper</b>	201-0001	201-0002	201-0003	201-0004	201-0005
<b>Lower</b>	201-0011	201-0012	201-0013	201-0014	201-0015

## RESPOND™

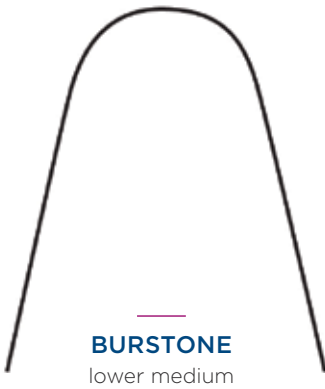
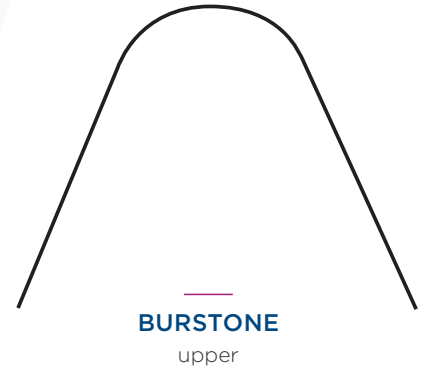
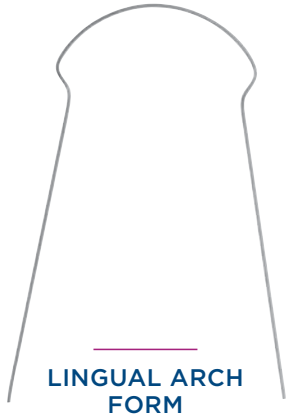
arch form	wire size + part numbers		
<b>STANDARD</b>	.015	.017	.019
<b>Standard Arch</b>	203-1115	203-1117	203-1119



All wires are packaged in Kleen Paks of 10 unless otherwise noted.

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# LINGUAL ARCH FORM



## LINGUAL ARCHWIRES

wire type	wire size + part numbers										
LINGUAL	.013	.014	.0155	.016	.0175	.018	.016 x .016	.016 x .022	.0175 x .0175	.017 x .025	.018 x .025
Respond			203-0006		203-0007						
D-Rect								201-0023			
TMA				202-0025					202-0018	202-0020	
Stainless Steel		206-0000		206-0001		206-0002	206-0005	206-0006		206-0007	206-0008
Social 6	205-1950										

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

## STb™ STRAIGHT-WIRE COPPER Ni-Ti

arch size	wire size + part #			
LINGUAL	.013	.016	.016 x .016	.018 x .018
Small	204-2101	204-2111	204-2121	204-2141
Medium	204-2102	204-2112	204-2122	204-2142
Large	204-2103	204-2113	204-2123	204-2143

## TMA™

arch size	part #
LINGUAL	.0175 x .0175
Small	204-2211
Medium	204-2212
Large	204-2213

## STAINLESS STEEL

arch size	part #
LINGUAL	.018 x .018
Small	204-2301
Medium	204-2302
Large	204-2303

## Ni-Ti™

arch size	wire size + part #	
LINGUAL	.016	.018
Upper 1	205-0025	205-0026
Upper 2	205-0023	205-0024
Upper 3	205-0021	205-0022
Lower 1	205-0031	205-0032
Lower 2	205-0029	205-0030
Lower 3	205-0027	205-0028

## COPPER Ni-Ti™ 35°C

arch size	wire size + part #	
LINGUAL	.017 x .017	.017 x .025
Upper 1	205-0076	205-0086
Upper 2	205-0075	205-0085
Upper 3	205-0074	205-0084
Lower 1	205-0079	205-0089
Lower 2	205-0078	205-0088
Lower 3	205-0077	205-0087

## BURSTONE

arch form	wire size + part numbers	
TMA	.032	.032 x .032
Upper	233-0002	233-0001
Lower	233-0012	233-0010

### STAINLESS STEEL

Upper	232-0001
Lower	232-0010

All wires are packaged in Kleen Paks of 10 unless otherwise noted.

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# STRAIGHT LENGTH WIRE

## TMA™

	wire size + part numbers					
STRAIGHT LENGTH	.016	.018	.0175 x .0175	.016 x .022	.017 x .025	.019 x .025
14" Straight	266-0001	266-0002	266-0012	266-0010	266-0011	266-0013

## LARGE DIAMETER TMA™

	wire size + part numbers		
STRAIGHT LENGTH	.016 x .022	.017 x .022	.017 x .025
14" Straight	266-0006	266-0004	266-0005

## AZURLOY™

	wire size + part numbers	
STRAIGHT LENGTH	.016 x .016	.016 x .022
14" Straight	266-0050	266-0051

## RESPOND

	wire size + part numbers			
STRAIGHT LENGTH	.015	.017	.019	.021
14" Straight	264-1115	264-1117	264-1119	264-1121
Dead Soft 7" Straight		264-1170	264-1190	

## COPPER Ni-Ti™

	wire size + part number
STRAIGHT LENGTH	.013
8.5" Straight	266-1360

## TRIPLE FLEX™

	wire size + part numbers	
STRAIGHT LENGTH	.015	.0175
14" Straight	264-0150	264-0175

## STAINLESS STEEL

	wire size + part numbers										
STRAIGHT LENGTH - ROUND	.012	.014	.016	.018	.020	.028	.030	.032	.036	.040	.045
14" Straight	266-1312	266-1314	266-1316	266-1318	266-1320	266-1328	266-1330	266-1332	266-1336	266-1340	266-1345
Package Qty	50	50	40	40	40	30	30	20	20	20	20

	wire size + part numbers						
STRAIGHT LENGTH - RECTANGULAR	.016 x .022	.017 x .022	.017 x .025	.018 x .022	.018 x .025	.019 x .025	.021 x .025
14" Straight	254-1622	254-1722	254-1725	254-1822	254-1825	254-1925	254-2125

	wire size + part number
STRAIGHT LENGTH - SQUARE	.016 x .016
14" Straight	252-1616

All wires are packaged in Kleen Paks of 10 unless otherwise noted.



# REVERSE CURVE WIRE

## TMA™ — REVERSE CURVE

Reverse Curve TMA is ideal for bite opening, arch leveling, space closure, early three-dimensional manipulation and torque control.

arch form	wire size + part number		
<b>REVERSE CURVE</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>
<b>Upper</b>	215-0003	215-0004	215-0005
<b>Lower</b>	216-0003	216-0004	216-0005



## TMA™ - REVERSE CURVE WITH "T" LOOPS

Reverse Curve TMA with "T" Loops allows effective anterior retraction, intrusion of the anterior segment and torquing. Colors noted indicate millimeter identification.

arch size	wire size + part number		
<b>REVERSE CURVE</b>	<b>.016 x .022</b>	<b>.017 x .025</b>	<b>.019 x .025</b>
<b>30 mm (Blue)</b>	215-0021	215-0031	215-0041
<b>32 mm (White)</b>	215-0022	215-0032	215-0042
<b>34 mm (Black)</b>	215-0023	215-0033	215-0043
<b>36 mm (Red)</b>	215-0024	215-0034	215-0044
<b>38 mm (Green)</b>	215-0025	215-0035	215-0045
<b>40 mm (Yellow)</b>	215-0026	215-0036	215-0046

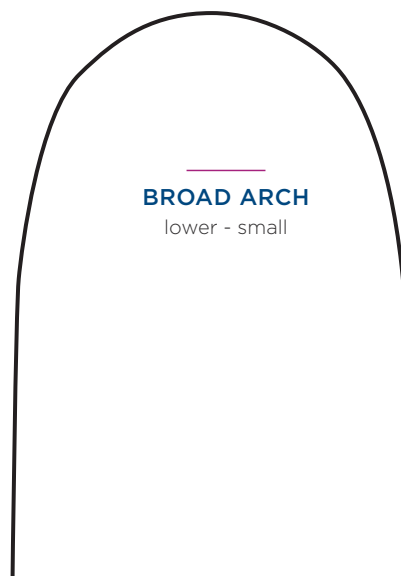
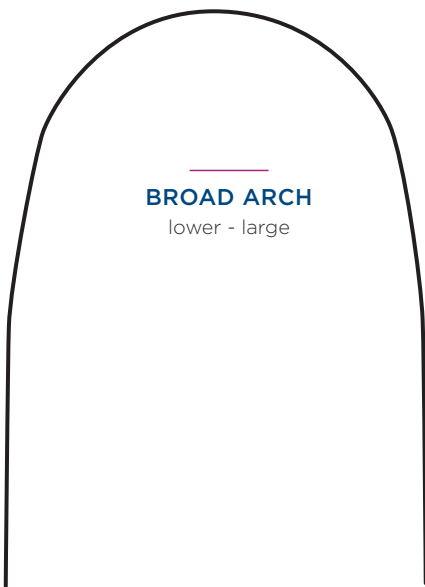
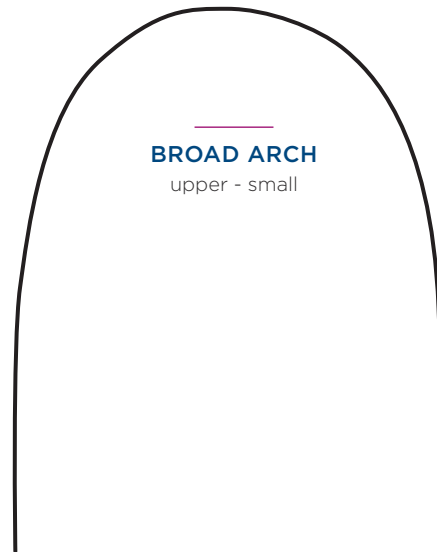
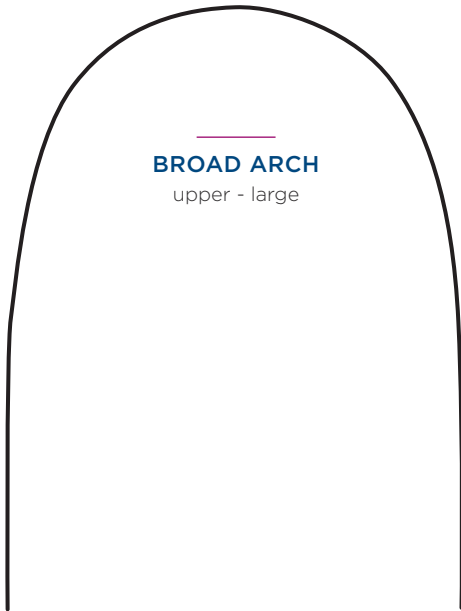
Packs of 10



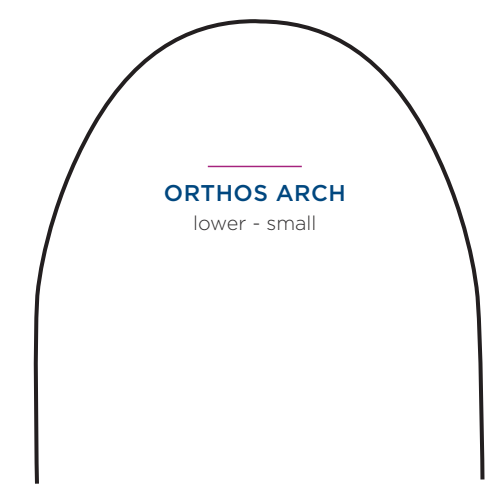
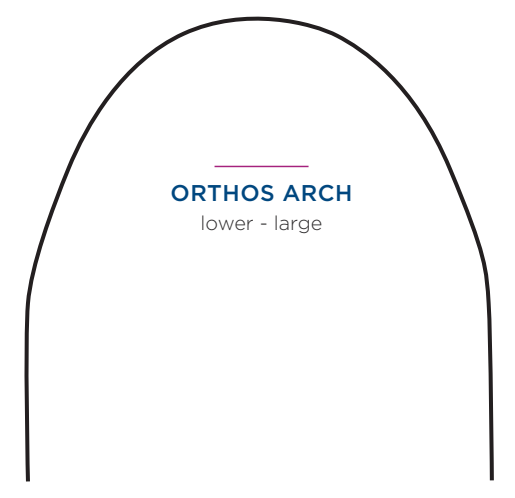
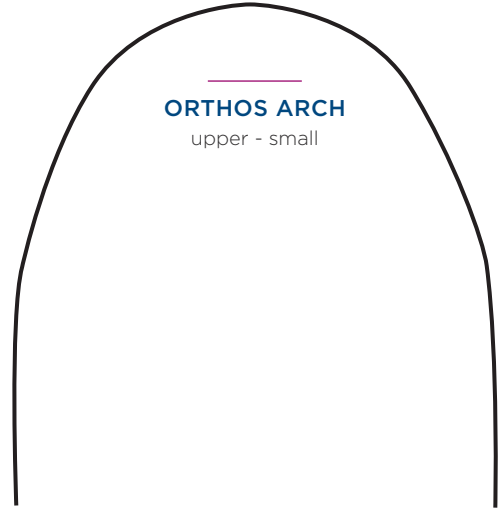
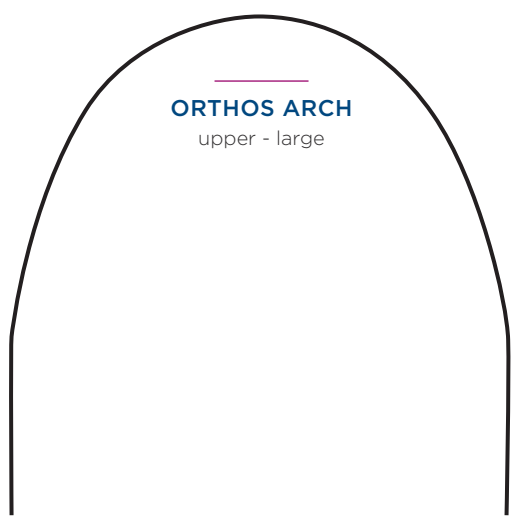
All wires are packaged in Kleen Paks of 10 unless otherwise noted.

# ARCHWIRE TEMPLATES 1:1

## BROAD ARCH FORM

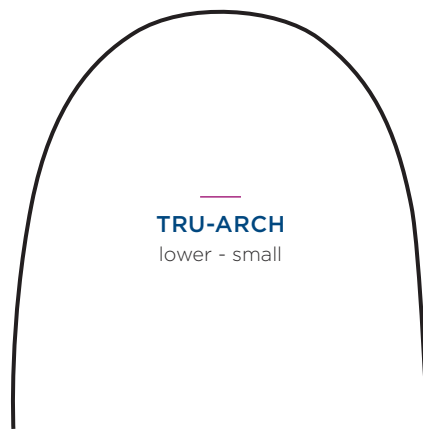
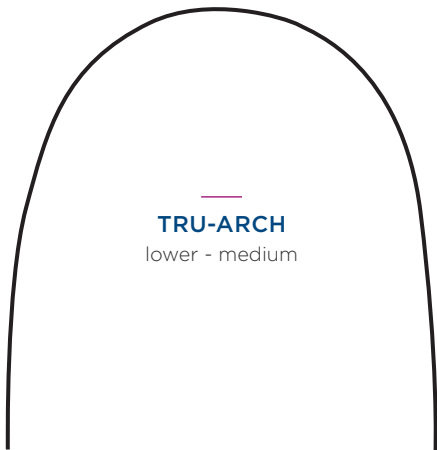
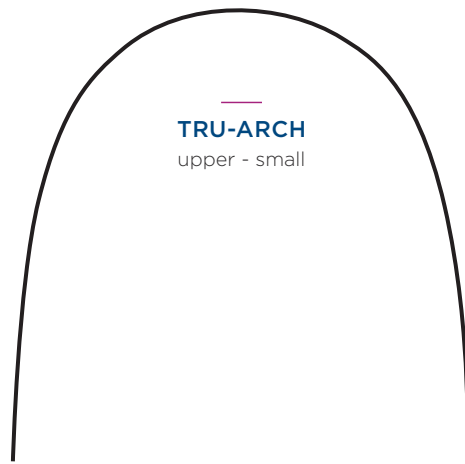
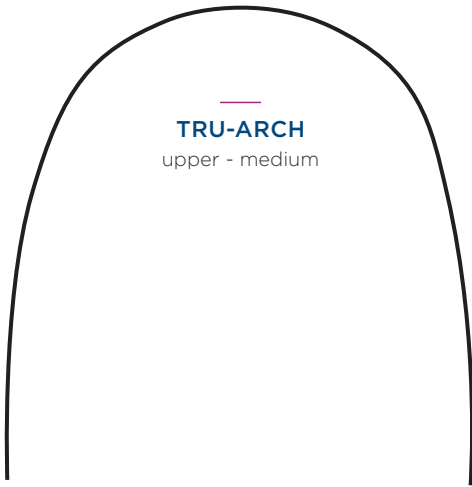


# ORTHOS ARCH FORM



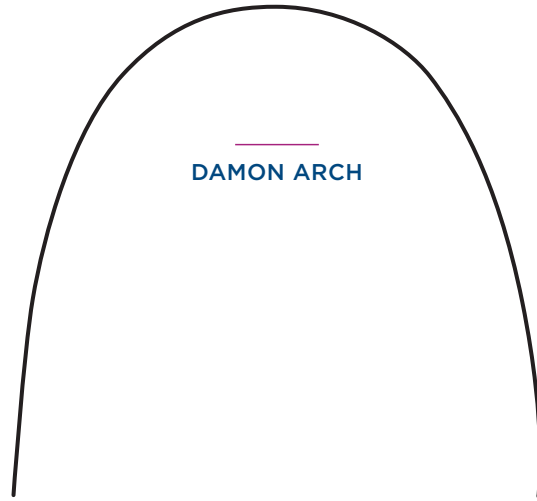
# TRU-ARCH

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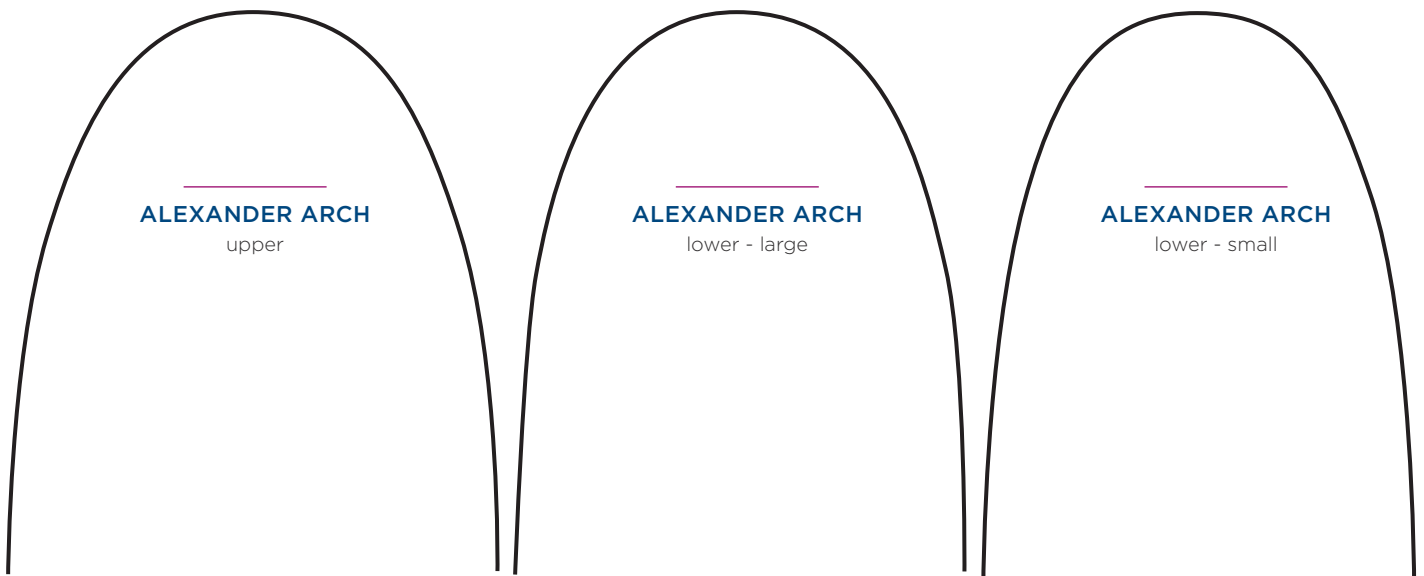
## DAMON ARCH FORM

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## ALEXANDER ARCH FORM

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ARCHWIRES



page

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**ADHESIVES, CEMENTS & PRIMERS**

# 7

# Adhesives, Cements & Primers

In an effort to provide the orthodontist with the most advanced bonding products, Ormco has teamed up with its partner, Kerr, the leading innovator in dental adhesives. The combined efforts of the Kerr and Ormco scientists have resulted in technology which provides excellent bonding materials for reliability and efficiency.

<b>Enlight &amp; Enlight IV</b>	p. 126	<b>Optiband Ultra</b>	p. 132
<b>System I+</b>	p. 127	<b>Optiband</b>	p. 133
<b>Blūgloo</b>	p. 128	<b>Protech/Protech Gold</b>	p. 134
<b>Grēngloo</b>	p. 129	<b>Porcelain Primer</b>	p. 134
<b>Ortho Solo &amp; Ortho Solo Stick</b>	p. 130	<b>Demi Plus</b>	p. 135
<b>Gel Etch &amp; Liquid Etch</b>	p. 131		

# ENLIGHT™ BONDING SYSTEM



## ENLIGHT

- Highly filled light-cure adhesive
- Superb handling characteristics
- Highly active initiator system
- Unidose™ and syringe delivery options

<b>Syringe Kit</b>	Adhesive (four 4g syringes - 16g total), Ortho Solo™ (5ml), Mixing Pad, Etching Solution (10ml), Sealant Applicator Brushes (75), Spatulas (75), Instructions	740-0198
<b>Unidose Kit</b>	Adhesive (60 Unidose tips - 12g total), Ortho Solo (5ml), Mixing Pad, Etching Solution (10ml), Sealant Applicator Brushes (75), Spatulas (75), Unidose Gun, Instructions	740-0199
<b>Sample Kit</b>	Adhesive (one 4g syringe), Ortho Solo (5 ml)	740-0179

<b>Syringe Refill (4g syringe)</b>	740-0195
<b>Unidose Refill (20 tips - 4g total)</b>	740-0178
<b>Ortho Solo Refill (5ml)</b>	740-0271
<b>Etching Solution Refill (10ml)</b>	740-0038
<b>Sealant Applicator Brushes (75)</b>	740-0041
<b>Spatulas Refill (75)</b>	740-0075
<b>Unidose Gun</b>	740-0200
<b>Enlight Technique Guide</b>	070-0432

## ENLIGHT LV (LOW VISCOSITY)

- Flowable low-viscosity paste designed for lingual retainers and indirect bonding
- Highly active initiator system
- Unidose delivery for easy placement

<b>Unidose Kit</b>	Adhesive (60 unidose tips - 12g total), Ortho Solo (5ml), Mixing Pad, Etching Solution (10 ml), Applicator Brushes (75), Spatulas (75), Unidose Gun, Instructions	740-0299
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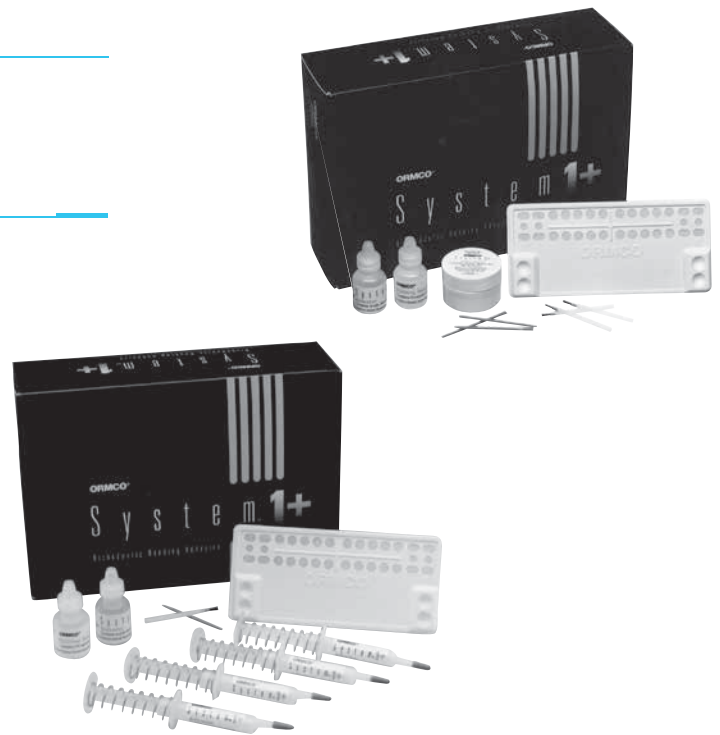
<b>Unidose Refill (20 tips - 4g total)</b>	740-0278
<b>Ortho Solo Refill (5 ml)</b>	740-0271
<b>Etching Solution Refill (10 ml)</b>	740-0038
<b>Sealant Applicator Brushes (75)</b>	740-0041
<b>Spatulas Refill (75)</b>	740-0075
<b>Unidose Gun</b>	740-0197
<b>Enlight LV Technique Guide</b>	070-0431



# SYSTEM 1+™

The urethane-modified dimethacrylate, no-mix resin produces an adaptive polymer in a high-tack paste consistency.

- No mixing
- High-tack paste minimizes bracket drift
- Two convenient dispensing packs



## KITS & REPLACEMENTS

Introductory Kit	740-0107
Adhesive (two 2.5g Syringes)	740-0108
Activator (10cc)	740-0101
Etching Solution (10ml)	740-0038
Activator Brushes (75/pk)	740-0041
Mixing Pad	740-0031
Spatulas (75/pk)	740-0075

Syringe Kit	740-0105
Adhesive (two 2.5g Syringes)	740-0108
Activator (10cc)	740-0101
Etching Solution (10ml)	740-0038
Activator Brushes (75/pk)	740-0041
Mixing Trays (40/pk)	740-0076
Spatulas (75/pk)	740-0075

Jar Kit	740-0106
Adhesive (10g)	740-0104
Activator (10cc)	740-0101
Etching Solution (10ml)	740-0038
Activator Brushes (75/pk)	740-0041
Mixing Trays (40/pk)	740-0076
Spatulas (75/pk)	740-0075

# BLÜGLOO™

Blügloo provides color contrast when you need it and is clear when you don't. Bracket placement and cleanup have never been easier!



## SEE WHAT YOU'VE BEEN MISSING!

**Color On Demand** — The color contrast of Blügloo during bonding helps facilitate fast, accurate bracket placement and makes it easy to see unwanted flash. As Blügloo warms to body temperature, the color virtually disappears, remaining clear throughout treatment. When debonding, simply introduce a short blast of cool air or water to lower the bonding surface temperature, and Blügloo turns blue again for thorough cleanup.

**Made For Aesthetics** — Blügloo's advanced formulation and color stability have been optimized for aesthetic clear brackets.

**Light Cures** in as little as 5 seconds with Demi Plus.

## KITS & REPLACEMENTS

Syringe Kit	740-0274
Adhesive (four Unidose 10packs – 8g total)	740-0272
Ortho Solo Primer (5ml)	740-0271
Etching Solution (10ml)	740-0038
Sealant Applicator Brushes (38/pk)	740-0041*
Spatulas (75/pk)	740-0075

Unidose Kit	740-0275
Adhesive (four Unidose 10packs – 8g total)	740-0273**
Ortho Solo Primer (5ml)	740-0271
Etching Solution (10ml)	740-0038
Sealant Applicator Brushes (38/pk)	740-0041*
Spatulas (75/pk)	740-0075

Syringe Paste Refill (4g syringe)	740-0272
Unidose Paste Refill (2 Packs of 10)	740-0273

\*Refill sold separately as a pack of 75

\*\*Refill sold separately as two packs of 10

# GRĒNGLOO™

Grēngloo is the two-way color change adhesive for metal brackets that provides the strength, flexibility and intelligent features you demand.



## STRONG

- Quick-cure polymerization ensures optimal bond strength at initial force loading
- Chemical affinity for metal brackets ensure more reliable bond strength

## SMART

- On-demand color change for fast and accurate cleanup at bonding and debonding
- Light cures in as little as 5 seconds with Demi™ Plus

## KITS & REPLACEMENTS

Syringe Kit	740-0320
Adhesive (two 4g Syringes)	740-0321***
Bottle Ortho Solo (5ml)	740-0271
Etching Solution (10ml)	740-0038
Sealant Applicator Brushes (38)	740-0041*
Spatulas (75)	740-0075

Unidose Kit	740-0322
Adhesive (four Unidose 10packs – 8g total)	740-0323**
Ortho Solo Primer (5ml)	740-0271
Etching Solution (10ml)	740-0038
Sealant Applicator Brushes (38)	740-0041*
Spatulas (75)	740-0075

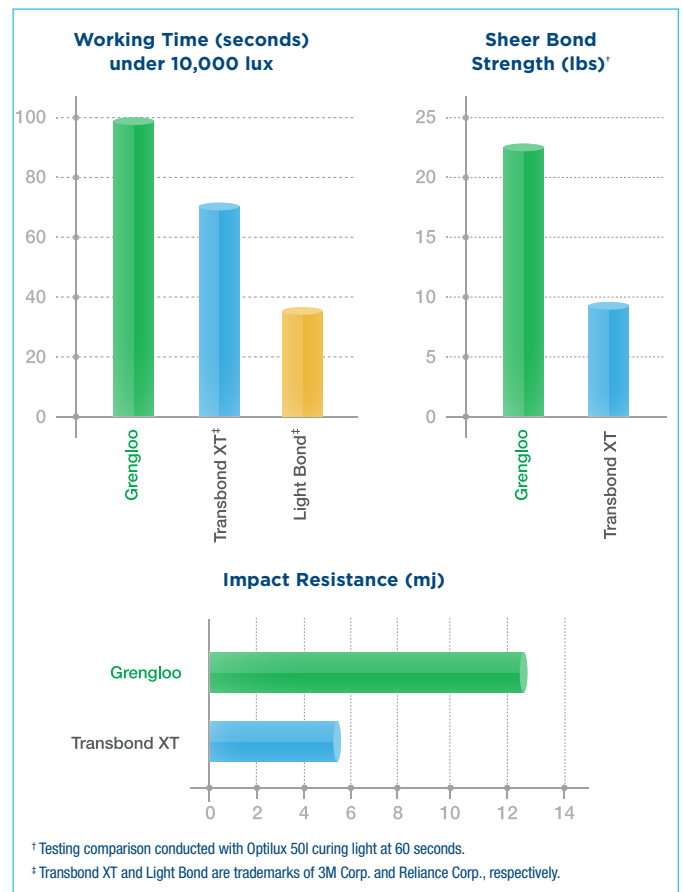
\*Refill sold separately as a pack of 75

\*\*Refill sold separately as two packs of 10

\*\*\*Refill is sold as one 4g syringe

## FLEXIBLE

- Provides great working time for better placement
- Proprietary formula delivers high level of impact resistance



Data on file.

# ORTHO SOLO™

Ortho Solo is a universal sealant and bonding primer for use with light cure and chemical cure bonding systems. Ortho Solo's hydrophilic property makes it moisture-tolerant for optimal and reliable orthodontic bonding.

- Ortho Solo incorporates a bond-enhancing property that improves adhesion to the tooth at the adhesive interface
- The glass filler, unique to Ortho Solo, is designed to act as a stress and shock absorber, helping prevent cracks that can lead to bond failures
- No air-dry or light-cure step is needed.
- Includes a compound that displaces moisture, making the technique more forgiving when a dry field is inadvertently compromised



## KITS & REPLACEMENTS

<b>Ortho Solo Kit</b>	740-0270
Ortho Solo (four, 5ml bottles)	
Applicator Brushes (75)	740-0041
Disposable Wells (1 pkg)	
Ortho Solo Technique Card	070-0440

<b>Ortho Solo Refill</b> (one, 5ml bottle)	740-0271
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# ORTHO SOLO STICK

Your Favorite Bond Enhancer in a Convenient Unidose™ Delivery System

Each Ortho Solo Stick contains enough sealant/bond enhancer for one arch. Simply push the Ortho Solo Stick into the sealant well to access the solution, pull the stick out and immediately apply the liquid to the tooth. No air-dry or light-cure steps needed.

Consistent and accurate dosage minimizes product waste. Unidose delivery reduces the risk of cross contamination and offers a cleaner presentation to your patients. A tightly sealed container ensures that there is no harmful exposure to light and no risk of product evaporation.



## KITS & REPLACEMENTS

<b>Box of 10 Sticks</b> (1.2ml total)	740-0269
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# GEL ETCH

Conveniently packaged in two 5cc syringes, our 29% Gel Etch provides an easily applied alternative to traditional liquid etching. Disposable syringe tips are included to help prevent cross-contamination between patients.

## KITS & REPLACEMENTS

<b>Gel Etch Kit</b>	740-0150
Syringes (two, 5cc)	
Disposable Syringe Tips (25/pk)	

<b>Replacements</b>	
<b>Syringe</b> (one, 5cc)	740-0133
<b>Disposal Syringe Tips</b> (25/pk)	740-0134

# LIQUID ETCH

Etching Solution contains 37% phosphoric acid.

<b>Bottle of 10ml</b>	740-0038
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# OPTIBAND™ ULTRA

Single-Paste, Light-Cure Band Cement

OptiBand Ultra is the ideal choice for reliable and convenient banding.

- Quick-Setting, Single-Paste, Light-Cure Formula means no more mixing and no more mess
- Disposable Tips allow application directly into the band for no waste and reduced risk of cross-contamination
- Optional blue color helps make cleanup of excess adhesive easier at both banding and debanding appointments



## KITS & REPLACEMENTS

5 Syringes - Tooth Colored (9g total, 10 tips)	740-0291
10 Syringes - Tooth Colored (18g total, 20 tips)	740-0292
5 Syringes - Blue Colored (9g total, 10 tips)	740-0293
10 Syringes - Blue Colored (18g total, 20 tips)	740-0294
Tip Refill (50 tips)	740-0295

# OPTIBAND™

## BAND CEMENT

OptiBand is a resin-based band cement formulated in a two-paste dual syringe system that eliminates messy powder and liquid mixing. With a consistent mix every time, OptiBand delivers reliable band cementation and the dual cure feature also gives you the choice of light curing or self-curing.



## KITS & REPLACEMENTS

Dual Syringe Kit	740-0194
Dual Syringes (four syringes – 20g total)	
Mixing Pads (75)	
Spatulas (5)	

Replacements	
Dual Syringe (5g)	740-0193
Mixing Pads (75)	740-0124

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# PROTECH / PROTECH GOLD

## GLASS IONOMER CEMENT

Protech™ glass ionomer band cement is specifically formulated for orthodontic banding. Unlike conventional cements, Protech bonds to enamel and stainless steel to provide excellent band retention.



## KITS

Introductory Kit (White)	740-0155
Cement Powder (30g)	
Cement Liquid (15ml)	
Measuring Scoop	

Introductory Kit (Gold)	740-0255
Cement Powder (30g)	
Cement Liquid (15ml)	
Measuring Scoop	

Standard Kit (White)	740-0156
White Cement Powder (240g)	<b>740-1151</b>
Cement Liquid* (120ml)	<b>740-0153</b>
Dispensing Bottle (empty)	
Measuring Scoops (2)	

Standard Kit (Gold)	740-0256
Gold Cement Powder (240g)	<b>740-0251</b>
Cement Liquid* (120ml)	<b>740-0153</b>
Dispensing Bottle (empty)	
Measuring Scoops (2)	

\*Cement liquid is the same part for Protech and Protech Gold

# PRIMER

## PORCELAIN PRIMER

Porcelain Primer permits bonding versatility with patients having bridgework or crowns. May be used with all metal, ceramic or plastic brackets. Complete instructions are included.

Bottle of 12cc	740-0012
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## NO-MIX PLASTIC BRACKET PRIMER

Plastic Bracket Primer allows bonding of plastic brackets and buttons. Comes complete with 25 applicator brushes and instructions for use.

Bottle of 19ml	740-0077
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# DEMI™ PLUS

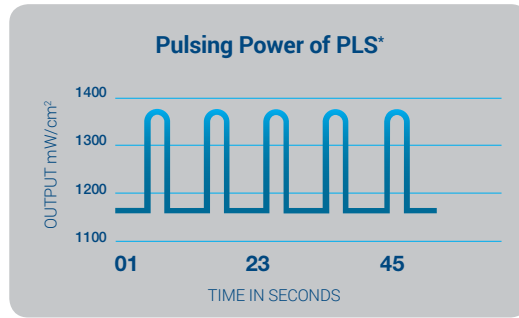
LED Curing Light System

## TRUSTED CURING LIGHT TECHNOLOGY

Demi™ Plus powered by Demetron™ Technology pioneered by our sister company Kerr, has been at the forefront of light curing since its inception. With a light weight, balanced design and intuitive controls, DemiPlus brings sophisticated engineering, enhanced performance and efficiency to the Orthodontist.

- **True 5-second cure.** Consistent output of Periodic Level Shifting (PLS) delivers a true 5-second cure for composite shades A3 and lighter
- **Uninterrupted operation.** Whisper-quiet fan and unique thermal control system keeps the unit cool for uninterrupted operation, also extending the overall life of the unit
- **Advanced battery technology.** The lithium-ion battery technology can yield 300, 10-second cures with a single charge
- **Lightweight, ergonomic design.** Multiple holding options reduce hand and arm stress and make it easier to access the posterior





\*Internal data on file.



Demi Plus features 3 time settings, 5, 10 and 20 seconds with audible beeps after 5 seconds.

For optimal curing, place the light guide as close to the bracket as possible and ensure the light guide is clean and free from debris.



L.E.D. Radiometer

<b>Demi Plus LED Light Curing System (120 V)</b>	<b>910860-1</b>
Handpiece	
8 mm Turbo Extended Light Guide	
Lithium Ion Battery Pack	
Battery Charger	
Power Supply	
Protective Light Shield	

<b>Accessories</b>	
Demi Plus Battery Pack	921918-1
Demi Plus Battery Charger	921919-1
Demi Plus Handpiece Replacement	921920-1
Demi Plus Power Supply	952269
L.E.D. Radiometer	910726
8 mm Turbo Extended Light Guide	921746
4 mm Curved Turbo Light Guide	921676
8 mm Curved Turbo (8 mm x 70 mm)	952213
11 mm Curved Turbo	921551
Protective Light Shield	20816
Demetron LED Light Meter	910726

# 8

# Elastics & Power Products

Ormco's elastomers have long-been regarded for quality and reliability. Manufacturing our own affords us the ability to ensure they are made without natural latex and deliver consistent elasticity over the expected lifespan.

**Molded "O"s Short Sticks** p. 138

**Power Chain** p. 139

**Tieback Modules** p. 140

**Power Thread & Tube** p. 141

**Separators** p. 141

**Zoo Pack Elastics** p. 142

# MOLDED “O”S SHORT STICKS

Short Sticks accommodate single-patient use.

- Size .120" available in 24 vibrant colors
- Coordinates with Colored Power Chain
- Flat cross section for improved tie wing fit
- Package of 1,000 (100 trees/10 per tree)



● Purple	640-1240
● Orange	640-1241
● Blue	640-1242
● Pink	640-1243
● Black	640-1244
● Red	640-1245
● Neon Green	640-1246
● Yellow	640-1247
○ White	640-1248
● Tooth	640-1249
● Teal	640-1250
● Rose	640-1251
● Violet	640-1252
● Emerald Green	640-1255
● Maroon	640-1256
● Gold	640-1257
● Silver	640-1258
● Jade Green	640-1259
● Ruby Red	640-1260
● Cobalt Blue	640-1261
● Navy	640-1262
● Smoke	640-1263
● Clear	640-1264
● Gray	640-1265
Regular Sampler Pack	640-1270
Metallica Sampler Pack	640-1271

Color Guide	070-0442
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# POWER CHAIN

## ORIGINAL POWER CHAIN

Power Chain I and II are easy-to-use continuous chains of modules for ligation, consolidation and anterior retraction.

- Roll of 15 ft
- Open and wide spacing

## COLORED POWER CHAIN

Colored Power Chain features a unique urethane formulation that provides constant application of light forces.

- 19 vibrant colors
- Coordinate with Short Sticks colors
- Open and closed spacing
- Roll of 13.1ft

COLOR	Open	Closed
<span style="color: red;">●</span> Pink	639-0030	639-0040
<span style="color: purple;">●</span> Purple	639-0031	639-0041
<span style="color: black;">●</span> Black	639-0032	639-0042
<span style="color: green;">●</span> Green	639-0033	639-0043
<span style="color: red;">●</span> Red	639-0034	639-0044
<span style="color: blue;">●</span> Blue	639-0035	639-0045
<span style="color: orange;">●</span> Orange	639-0036	639-0046
<span style="color: yellow;">●</span> Yellow	639-0037	639-0047
<span style="color: white;">○</span> White	639-0038	639-0048
<span style="color: teal;">●</span> Teal	639-0050	639-0060
<span style="color: pink;">●</span> Rose	639-0051	639-0061
<span style="color: purple;">●</span> Violet	639-0052	639-0062
<span style="color: green;">●</span> Emerald Green	639-0053	639-0063
<span style="color: grey;">●</span> Silver	639-0054	639-0064
<span style="color: maroon;">●</span> Maroon	639-0055	639-0065
<span style="color: gold;">●</span> Gold	639-0056	639-0066
<span style="color: green;">●</span> Jade Green	639-0057	639-0067
<span style="color: red;">●</span> Ruby Red	639-0058	639-0068
<span style="color: blue;">●</span> Cobalt Blue	639-0059	639-0069



## ORIGINAL POWER CHAIN

Power Chain I and II are easy-to-use continuous chains of modules for ligation, consolidation and anterior retraction.

- Open and wide spacing
- Roll of 15 ft.

COLOR	Clear	Grey
Power Chain I (wide space)	639-0012	639-0010
Power Chain II (open space)	639-0013	639-0011

## GENERATION II POWER CHAIN

This advanced elastomeric provides a more uniform continuous force over a longer period of time.

- Closed, open, and wide spacing
- Roll of 13.1 ft

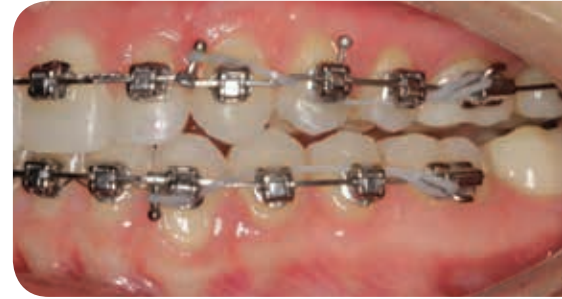
COLOR	Clear	Grey
Generation II (closed space)	639-0002	639-0001
Generation II (open space)	639-0004	639-0003
Generation II (wide space)	639-0019	639-0018

# TIEBACK MODULES

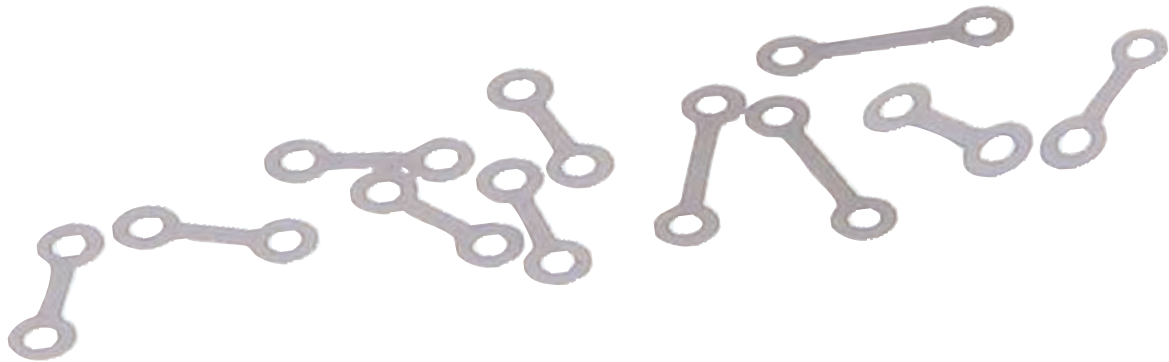
## DAMON TIEBACK MODULES

Designed exclusively for the Damon System, the Damon Tieback Modules are manufactured with the same fatigue resistant material as Ormco's popular Generation II Chain.

- Optimized force-memory and elongation properties provide uniform forces throughout treatment
- Tear-resistant
- Available in two sizes
- Available in two colors (gray and clear) to complement all Damon bracket systems



LENGTH (40/pk)	Clear	Grey
6.1 mm	637-0012	637-0011
8.6 mm	637-0022	637-0021



# POWER THREAD & TUBE



## POWER THREAD

- Consistent, reliable performance
- Ideal for rotation, corrections and cuspid retractions

SIZE	LENGTH	Clear	Grey
.025"	25 ft	640-1026	640-1025
.030"	25 ft	640-1031	640-1030
.025"	50 ft	640-2026	640-2025
.030"	50 ft	640-2031	640-2030

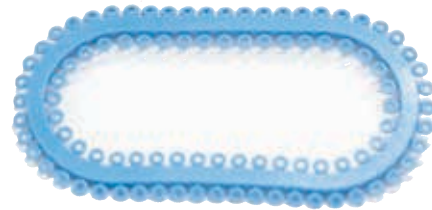
## POWER TUBE

- Hollow channel allows for secure knotting

SIZE	LENGTH	Clear	Grey
.025"	25 ft	640-4026	640-4025
.030"	25 ft	640-4031	640-4030
.025"	50 ft	640-6026	640-6025
.030"	50 ft	640-6031	640-6030

# SEPARATORS

- Radiopaque
- Provide continuous forces
- Effective in both anterior and posterior sections
- Highly visible blue color



Pack of 1,000	640-0080
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# ZOO PACK ELASTICS





































Shaded sizes are available in Ormco Color Packs

Chipmunk	636-0113	Bear	636-0122
Rabbit	636-0114	Impala	636-0125
Fox	636-0115	Ram	636-0126
Penguin	636-0116	Moose	636-0127
Monkey	636-0117	Buffalo	636-0128

- High-quality surgical latex
- Consistent force pull
- Force ratings based on elastic being extended three times listed diameter
- Available in 10 sizes of assorted Color Packs (pink, orange, green and purple)
- Zoo Packs contain 50 bags of 100

## INTRAORAL ELASTICS

## EXTRAORAL ELASTICS

strength	light	medium	med / heavy	heavy	extra heavy	light	heavy
SIZE	2oz — 60g	3oz — 85g	3.5oz — 100g	4.5oz — 130g	6 oz — 170 g	8 oz — 230 g	14 oz — 400 g
1/8" 3.18 mm	 Hummingbird 630-0010		 Chipmunk 630-0030				
3/16" 4.76 mm	 Quail 630-0011	 Otter 630-0020	 Rabbit 630-0031	 Kangaroo 630-0040	 Impala 630-0050	 Cougar 635-0058	
1/4" 6.35 mm	 Owl 630-0012	 Seal 630-0021	 Fox 630-0032	 Bear 630-0041	 Ram 630-0051	 Leopard 635-0059	
5/16" 7.94 mm	 Parrot 630-0013	 Dolphin 630-0022	 Penguin 630-0033	 Zebra 630-0042	 Moose 630-0052	 Panther 635-0060	 Walrus 635-0065
3/8" 9.35 mm	 Road Runner 630-0014	 Turtle 630-0023	 Monkey 630-0034	 Camel 630-0043	 Buffalo 630-0053	 Tiger 635-0061	 Elephant 630-0066
1/2" 12.7 mm	 Peacock 630-0015		 Donkey 630-0035			 Lion 635-0062	 Whale 630-0067
5/8" 15.9 mm	 Eagle 630-0016		 Llama 630-0036				
3/4" 19.1 mm	 Ostrich 630-0017		 Giraffe 630-0037				



Animal Zoo Packs	Master Pouches of 50 Zoo Packs	Color Packs of 40 Zoo Packs
<b>LIGHT - 2 OZ</b>		
Hummingbird	630-0010	
Quail	630-0011	
Owl	630-0012	
Parrot	630-0013	
Road Runner	630-0014	
Peacock	630-0015	
Eagle	630-0016	
Ostrich	630-0017	
<b>MEDIUM - 3 OZ</b>		
Otter	630-0020	
Seal	630-0021	
Dolphin	630-0022	
Turtle	630-0023	
<b>MEDIUM HEAVY - 3.5 OZ</b>		
Chipmunk	630-0030	636-0013
Rabbit	630-0031	636-0014
Fox	630-0032	636-0015
Penguin	630-0033	636-0016
Monkey	630-0034	636-0017
Donkey	630-0035	
Llama	630-0036	
Giraffe	630-0037	

Animal Zoo Packs	Pouches of 15 Zoo Packs	Master Pouches of 50 Zoo Packs	Color Packs of 40 Zoo Packs
<b>HEAVY - 4.5 OZ</b>			
Kangaroo		630-0040	
Bear		630-0041	636-0122
Zebra		630-0042	
Camel		630-0043	
<b>EXTRA HEAVY - 6 OZ</b>			
Impala		630-0050	636-0125
Ram		630-0051	636-0126
Moose		630-0052	636-0127
Buffalo		630-0053	636-0128
<b>LIGHT - 8 OZ HEADGEAR</b>			
Cougar	635-0058	634-0000	
Leopard	635-0059	634-0001	
Panther	635-0060	634-0002	
Tiger	635-0061	634-0003	
Lion	635-0062	634-0004	
<b>HEAVY - 14 OZ HEADGEAR</b>			
Walrus	635-0065	634-0012	
Elephant	635-0066		
Whale	635-0067	634-0014	



## ZOO PACK DISPENSER

- Convenient, clear plexi rack
- Holds 6 Zoo Pack boxes
- Easily mounts on wall or sits on counter top (Zoo Packs not included)

Dispenser (Zoo Packs not included)	630-0000
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**INTRAORAL / NONCOMPLIANCE**

## 9

# Intraoral / Noncompliance

<b>AdvanSync 2</b>	p. 146	<b>Pletcher Springs &amp; Tie Hooks</b>	p. 157
<b>VectorTAS Temporary Anchorage System</b>	p. 148	<b>Power Pins &amp; Ligature Wires</b>	p. 158
<b>Bite Turbos</b>	p. 150	<b>Arch Hooks, Stops, Spacers</b>	p. 159
<b>Wick Flat Bow Retainer &amp; Wick Lip Bumper</b>	p. 151	<b>Lingual Retainers</b>	p. 161
<b>Orthos Lip Bumper</b>	p. 152	<b>Precision Lingual Hinge Cap</b>	p. 162
<b>Q.C.M. Retainer &amp; Quick Nance</b>	p. 153	<b>Lingual Attachments</b>	p. 163
<b>Preformed TMA Pendulum Springs &amp; Coil Springs</b>	p. 154	<b>Sheaths</b>	p. 165

# ADVANSYNC™ 2

AdvanSync™ 2  
CLASS II MOLAR-TO-MOLAR

AdvanSync 2 helps eliminate the need for patient compliance and features a compact design for patient comfort. It offers ideal range of movement for patients in either mixed or permanent dentition.

## CLASS II TREATMENT IN CLASS I TIME

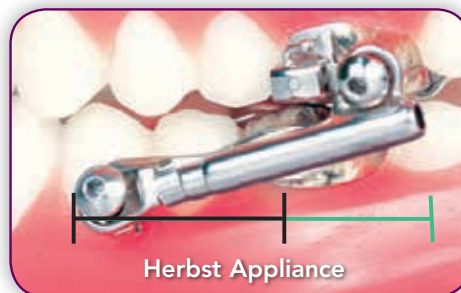
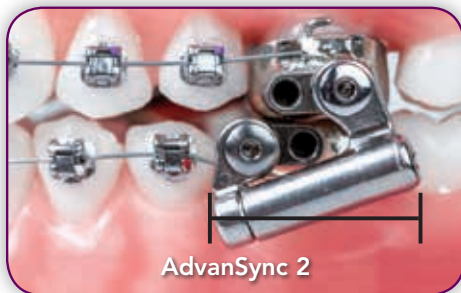
- Ability to place simultaneously with initial bonding, synchronizing Class II treatment with therapy may reduce total treatment times
- Provides constant activation
- Improves jaw position immediately



## ENGINEERED FOR EFFICIENT CORRECTION

- Electro-polished rods with radiused corners and electro-polished internal sleeves for smooth operation
- Reinforced Spirallock™ threading for improved screw engagement
- Hygienic open-ended cap is designed to help prevent food/debris build-up
- Upper and lower dual hole casing to enable customized activation for treatment versatility
- Large lumens with radiused internal edges designed for more freedom of lateral movement resulting in smoother opening and closing of the mechanism

AOA's expert lab technicians fully customize AdvanSync 2 appliances to each doctor's specific preferences and needs. To place your custom product order, visit [aolab.com](http://aolab.com) or call 800-262-5221.



AdvanSync's arms are a fraction of the size of those in traditional Herbst®\* appliances, and is designed to sit further back in the mouth for greater patient comfort and reduced visibility.

\* Herbst is a registered trademark of Dentaaurum Inc.

AdvanSync 2 (10 Patient Kit)		600-4200	
Rods/Telescopes	20	2mm Spacers	80
Screws	40	Extenders	20
Upper Crowns	20	Large Wrench	1
Lower Crowns	20	Small Wrench	5
1mm Spacers	40		



## REORDER COMPONENTS

Telescoping Rods – Left	600-4240
Telescoping Rods – Right	600-4241
Screws	600-4270

### UPPER FIRST MOLAR CROWNS

UL-Size 4	600-4204
UL-Size 5	600-4205
UL-Size 6	600-4206
UL-Size 7	600-4207
UR-Size 4	600-4214
UR-Size 5	600-4215
UR-Size 6	600-4216
UR-Size 7	600-4217

### LOWER FIRST MOLAR CROWNS

LL-Size 4	600-4224
LL-Size 5	600-4225
LL-Size 6	600-4226
LL-Size 7	600-4227
LR-Size 4	600-4234
LR-Size 5	600-4235
LR-Size 6	600-4236
LR-Size 7	600-4237

1 mm Spacers	600-4271
2 mm Spacers	600-4272
4 mm Spacers	600-4273
Extenders	600-4278
Hex Key .050 (for screws)	600-4290
Hex Key .094 (for extenders)	600-4291
Instructions	070-5672

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INTRAORAL / NONCOMPLIANCE

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# VECTORTAS™

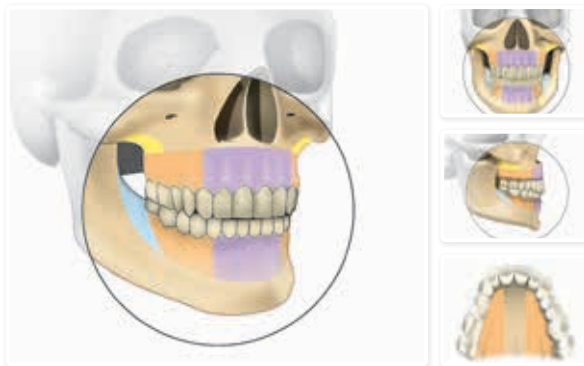
VectorTAS is a coordinated system of miniscrews, attachments and instruments designed to facilitate a wide range of orthodontic movements using simple mechanics.

- Reduce anchorage demand for more control
- Alternative to headgear
- Reduce need for patient compliance
- Increase patient satisfaction

## SIMPLE SYSTEM

VectorTAS is a complete system that combines user-friendly protocols, products, packaging and mechanics to simplify treatment.

- Simple color-coded atlas guides proper miniscrew selection
- Complete kit for one-stop shopping



6mm	Facial Surface – Maxillary/mandibular alveolar ridge (mesial to cuspid), mandibular symphysis
8mm	Facial & Lingual Surfaces – Maxillary/mandibular alveolar ridge (mesial to second molar)
10mm	Retromolar Area
12mm	Infrazygomatic Crest

## VECTORTAS KIT

The VectorTAS kit, including the patented VectorTAS Atlas, includes everything you need to treat approximately 10 cases\*. Each kit includes:

- Miniscrew assortment
- Driver and tips
- Spring assortment
- Initiators
- Tissue punches
- Typodont
- Technique guide
- Crimpable posts
- Protocol guide

\* Results may vary.



<b>VectorTAS Kit (10 - patient)</b>	601-0010
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SCREWS	
<b>VectorTAS 6mm Mini-Screw (6/pk)</b>	601-0020
<b>VectorTAS 8mm Mini-Screw (6/pk)</b>	601-0021
<b>VectorTAS 10mm Mini-Screw (6/pk)</b>	601-0022
<b>VectorTAS 12mm Mini-Screw (6/pk)</b>	601-0023

SCREWS	
<b>VectorTAS Single Delta 10mm 50g</b> – Spring w/ Swivel (6/pk)	601-0030
<b>VectorTAS Single Delta 10mm 150g</b> – Spring w/ Swivel (6/pk)	601-0031
<b>VectorTAS Single Delta 10mm 250g</b> – Spring w/ Swivel (6/pk)	601-0032
<b>VectorTAS Single Delta 5mm 50g</b> – Spring w/ Swivel (6/pk)	601-0033
<b>VectorTAS Single Delta 5mm 150g</b> – Spring w/ Swivel (6/pk)	601-0034
<b>VectorTAS Single Delta 5mm 250g</b> – Spring w/ Swivel (6/pk)	601-0035
<b>VectorTAS Double Delta 5mm 150g</b> – Spring w/ Swivel (6/pk)	601-0036
<b>VectorTAS Double Delta 10mm 150g</b> – Spring w/ Swivel (6/pk)	601-0037
<b>VectorTAS Double Delta 5mm 250g</b> – Spring w/ Swivel (6/pk)	601-0039
<b>VectorTAS Double Delta 5mm 250g</b> – Spring w/ Swivel (6/pk)	601-0038
<b>VectorTAS Crimpable Post (6/pk)</b>	601-0040

INSTRUMENTS	
<b>SyriJet Refill Water Vials (50/pk)</b>	601-0015
<b>VectorTAS Modular Driver w/tips</b>	601-0007
<b>VectorTAS Driver Tip 40mm (2/pk)</b>	601-0011
<b>VectorTAS Driver Tip 22mm (2/pk)</b>	601-0012
<b>VectorTAS Modular Driver Tip (2/pk)</b>	601-0013
<b>VectorTAS Tissue Punch (6/pk)</b>	601-0003
<b>VectorTAS Initiator (2/pk)</b>	601-0002

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# BITE TURBOS

- Bite Turbos can be placed on the lingual of upper or lower anteriors. One to four may be placed
- Occlusal table is horizontal
- Easy removal with the ETM Lingual Debonding Plier (Part No. 800-0431)

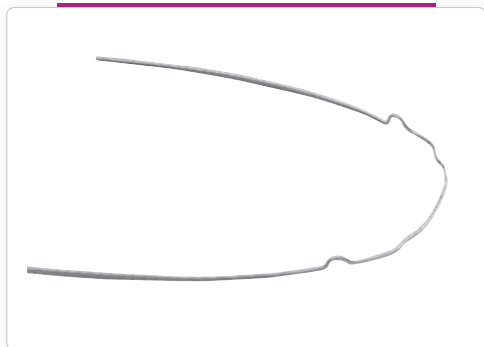


Bite Turbos (minimum order of 10)

350-0000

# WICK™ FLAT BOW RETAINER

- Preformed to minimize the need for adjustment.
- Flattened lingual surface allows for maximum tooth contact.



## WICK™ FLAT BOW RETAINER

Size 1 | 45 mm (10/pk)

204-0201

Size 2 | 46 mm (10/pk)

204-0202

Size 3 | 47 mm (10/pk)

204-0203



# WICK™ LIP BUMPERS

- Hard plastic (polypropylene) bumper design provides surface area to transfer pressure from the lip to the molars, while helps prevent the lips and cheeks from applying pressure to the teeth. In addition, it is designed with anatomical contours to reduce bulk on the incisal and lingual portions of the anterior region, creating a more efficient and comfortable appliance
- Gingiva-colored plastic results in an appliance that is less noticeable
- Bayonet bends are designed to function as built-in stops while offering the clinician an easy means of adjustment
- Flexible wire is designed for patient comfort when used in buccal uprighting of molars
- Anatomical design is compatible with the popular Vari-Simplex Discipline arch form
- Graduated sizes and idealized arch form



WICK LIP BUMPER	
Size 1 (74mm)	293-0151
Size 2 (85mm)	293-0152
Size 3 (94mm)	293-0153



WICK LIP BUMPER WITH HOOKS	
Size 1 (74mm)	293-0161
Size 2 (85mm)	293-0162
Size 3 (94mm)	293-0163

# ORTHOS LIP BUMPER

- Developed with the Orthos arch form as a template
- Specially designed sizing guide that can be used to measure the distance from the midline to the mesial edge of the lip bumper tube
- Accentuated bayonet bend to provide a positive stop when inserted into the lip bumper tube
- Hook is mesial to the adjustment loop to make adjustment easier
- Translucent pink color

INDIVIDUAL ORTHOS LIP BUMPERS	
Size 1	293-0171
Size 2	293-0172
Size 3	293-0173
Size 4	293-0174
Size 5	293-0175

Lip Bumper Sizing Guides (10/pk)	760-0044
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## SIZING CHART

39 mm or less	Size 1
39 mm – 43 mm	Size 2
43 mm – 46 mm	Size 3
46 mm – 48 mm	Size 4
48 mm or more	Size 5

# Q.C.M. RETAINER

When your patients' braces come off, the only thing they want to see is their beautiful smile. The Q.C.M Retainer allows the clinician to offer an aesthetic version of the traditional bow retainer. It is easy to form and deliver, requires no special tools, and will allow you to fulfill your patients' aesthetic needs through retention. The Q.C.M. Retainer comes in three sizes in looped and non-looped configurations.



Q.C.M. Retainer



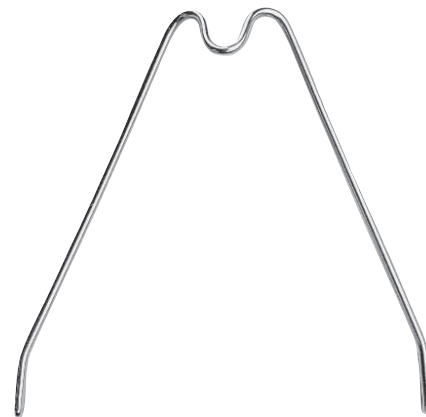
Traditional Retainer

DESCRIPTION	
42mm (5/pk)	204-1042
42mm with Loops (5/pk)	204-1142
48mm (5/pk)	204-1048
48 mm with Loops (5/pk)	204-1148
54mm (5/pk)	204-1054
54mm with Loops (5/pk)	204-1154

# QUICK NANCE

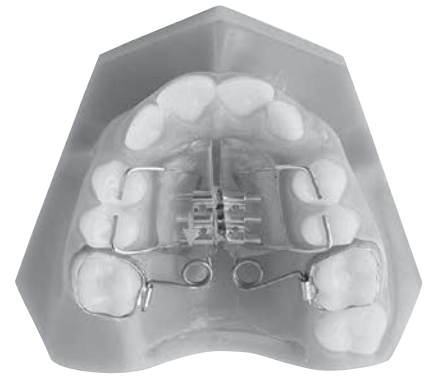
The Quick Nance is a complement to molar distalizing techniques, without the need for an independent laboratory procedure.

10/pk	LENGTH	WIDTH	PART #
Size 1	22mm	26mm	225-0001
Size 2	30mm	33mm	225-0002
Size 3	38mm	40mm	225-0003



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# PREFORMED TMA™ PENDULUM SPRINGS



The Hilgers Pendulum Appliance can be fabricated with Preformed TMA Pendulum Springs. The .032 TMA is formed into a V-type spring that is angled so the spring arm curves up to the mesial side of the first molar sheath. The helical loop is preformed so the anchorage arm turns up parallel to the midline of the palate.

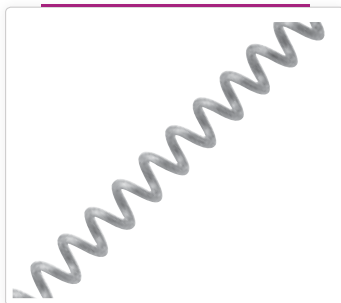
PREFORMED TMA PENDULUM SPRINGS	
Intro Kit (5 lefts/5 rights)	225-0034
Lab Pack (10 lefts)	225-0035
Lab Pack (10 rights)	225-0036

## COIL SPRINGS

### NI-TI SPRINGS: OPEN-COIL (COMPRESSION)

**Cuspid Retraction** – The open-coil span is placed between the upper centrals and cuspids. A crimpable stop can be used for cuspid retraction.

**Distalizing Molars/Anterior Unraveling** – The compression spring is placed mesial to the first molar and a crimpable stop is set to activate the spring.



7" LENGTHS	COIL I.D.	PART #
Light (3/tube)	.010 x .030	221-5510
Medium (3/tube)	.012 x .030	221-5512
Heavy (3/tube)	.014 x .036	221-5514

## NI-TI SPRINGS: CLOSED-COIL (EXTENSION)

**Cuspid Retraction** — Eyelets are hooked on a free-sliding crimp hook placed mesial to the cuspid or on a Hemi-Hook of the cuspid bracket. If desired, a crimpable stop can be placed on the archwire to control the amount of retraction.

**Distalizing Molars/Anterior Unraveling** — Crimpable sliding hook used as tie-back is placed distal to the lateral incisor. Eyelets are hooked onto the crimp hook and first molar buccal tube hook to activate retraction.



Box of 10 springs with eyelets

LENGTH	FORCE	COIL I.D.	PART #
9 mm	Light	.010 x .030	222-5610
12 mm	Medium	.010 x .030	222-5612
9 mm	Heavy	.010 x .030	222-5620

## TMA COIL SPRINGS



TUBE OF THREE 7 1/2" LENGTHS	OPEN COIL I.D.	PART #
Light	.009 x .060	221-0901
Medium	.010 x .060	221-1001
Heavy	.0115 x .060	221-1150

TUBE OF THREE 7 1/2" LENGTHS	STOP WOUND COIL I.D.	PART #
Light	.009 x .060	222-0901
Medium	.010 x .060	222-1001

## CHROME ALLOY COIL SPRINGS

High-spring properties are ideally suited for orthodontic use. An .030" coil I.D., in two-foot length, packaged in a convenient plastic dispenser.



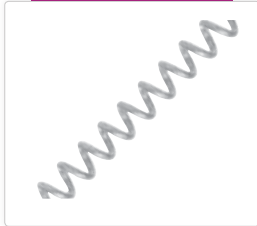
CLOSED COIL SPRINGS	PART #
.008 x .030	222-0830
.009 x .030	222-0930
.010 x .030	222-1030



OPEN COIL SPRINGS	PART #
.008 x .030	221-0830
.009 x .030	221-0930
.010 x .030	221-1030

## ALIGN™ NICKEL-TITANIUM COIL SPRINGS

Nickel-titanium springs deliver lower force levels which can help minimize discomfort.



OPEN COIL SPRINGS (COMPRESSION)	WIRE DIAMETER	COIL DIAMETER	PART #
<b>7" Light Force</b> (3/pk)	.010	.030	704-6047
<b>7" Medium Force</b> (3/pk)	.012	.030	704-6049
<b>15" Light Force</b> (spool)	.010	.030	704-6052
<b>15" Medium Force</b> (spool)	.011	.030	704-6054
<b>15" Medium Force</b> (spool)	.012	.030	704-6055
<b>Open-Wound Coil</b>	.010	.030	704-6024



CLOSED COIL SPRINGS (EXTENSION)	WIRE DIAMETER	COIL DIAMETER	PART #
<b>6 mm Light Force</b> (10/pk)	.010	.030	704-6037
<b>9 mm Light Force</b> (10/pk)	.010	.030	704-6036
<b>12 mm Light Force</b> (10/pk)	.010	.030	704-6040
<b>15 mm Light Force</b> (10/pk)	.010	.030	704-6042
<b>6 mm Medium Force</b> (10/pk)	.011	.030	704-6065
<b>9 mm Medium Force</b> (10/pk)	.011	.030	704-6066
<b>12 mm Medium Force</b> (10/pk)	.011	.030	704-6062
<b>15 mm Medium Force</b> (10/pk)	.011	.030	704-6063
<b>9 mm Heavy Force</b> (10/pk)	.012	.030	704-6039
<b>12 mm Heavy Force</b> (10/pk)	.012	.030	704-6041
<b>15 mm Heavy Force</b> (10/pk)	.012	.030	704-6043

# PLETCHER SPRINGS

Used during retraction stage of treatment for closing space by providing a positive, constant tension. Close-wound spring features coil loop at distal end, 90° to helix. Mesial end has an extended straight length from helix.

50/pk	
.009 x .030	704-6021
.011 x .030	704-6022

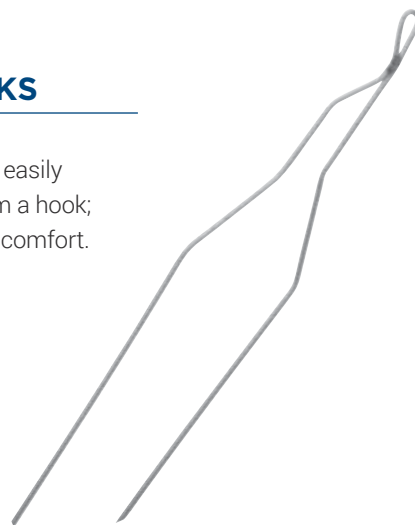


# TIE HOOKS

## KOBOYASHI READY-TO-USE AUXILIARY TIE HOOKS

Quickly tied in place in the same manner as a standard ligature wire. Made from easily adaptable .012, .014 or .016 ligature wire. Wires are spot-welded together to form a hook; a straight hook can be formed for up or down usage with looped end for patient comfort.

100/pk	
.012	271-0012
.014	271-0014
.016	271-0016



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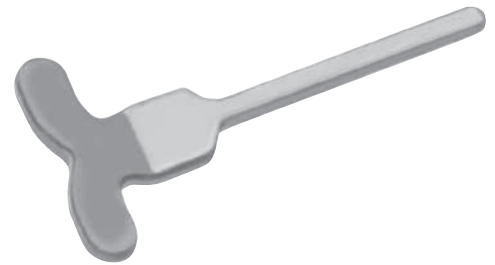
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INTRAORAL / NONCOMPLIANCE

# POWER PINS

Power Pins are ideal for engaging any type of elastomeric. They are designed to be used with either the right or left. Power Pins are used in place of Kobayashi Ties or Bracket Hooks.



100/pk

704-6031

# LIGATURE WIRES

## PREFORMED LIGATURE WIRES

Ormco's Preformed Ligature Wires are made of diamond-drawn chrome-alloy stainless steel and cut to ample length to fit all standard ligature-tying pliers. Consistent, preformed shape ties with minimum effort.

Crimpable sliding hook used as tie-back is placed distal to the lateral incisor. Eyelets are attached onto the crimp hook and first molar buccal tube hook to activate retraction.

1,000/pk (3 TUBES)	PART #
.009	270-0009
.010	270-0010
.011	270-0011
.012	270-0012



## TEFLON™-COATED LIGATURE WIRES

Ormco's Teflon-coated Ligature Wires provide the strength and security of steel ligatures, yet maintain the aesthetic appeal needed for use with clear brackets. The core wire is .008" stainless steel. The outer diameter, following coating, is .012".

272-0012

100/pk

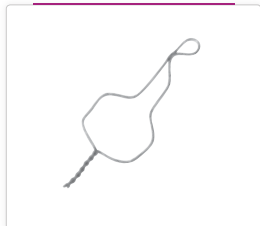
\*Teflon is a registered trademark of DuPont



## MINI-TWISTED KOBAYASHI LIGATURES

Ormco's Mini-Twisted Ligatures and Kobayashi Hooks allow for easy archwire ligation. The unique design fits easily over any bracket.

Teflon-coated Kobayashi Hooks provide the strength and security of steel ligatures, yet maintain the aesthetic appeal needed for use with clear brackets.



LIGATURE TIES (1,000/pk)	PART #
.010	270-0001

KOBAYASHI HOOKS (100/pk)	PART #
.012	271-0000
.014	271-0001

TOOTH-COLORED KOBAYASHI HOOKS (100/pk)	PART #
.016	271-0006

# ARCH HOOKS, STOPS & SPACERS

## CRIMPABLE BALL HOOK

When extra retraction is needed on anteriors or the brackets are without attachments and you need a ball hook option. A Crimpable Ball Hook can be placed mesial to the cuspid anywhere on the arch without having to remove or replace the archwire. Just position the hook, then crimp in both the occluso-gingival and mesio-distal directions. The hook stays snug on any size archwire, and its smooth ball and corrosion-resistant stainless steel finish are designed for patient comfort. Use it in place of Kobayashi Hooks or pre-posted archwires.



Crimpable Ball Hook (50/pk)	704-9000
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## CRIMPABLE EDGEWISE ARCH HOOKS AND STOP

Crimpable stops or spacers are made of heavy-wall, soft-temper tubing. May be used for sliding spacers or crimped around the archwire for non-sliding hook or stop.



HOOK - 2MM (minimum order of 10)	PART #
.018 x .025	663-0218
.022 x .028	663-0222

STOP OR SPACER - 2MM (minimum order of 10)	PART #
.018 x .025	624-1825
.022 x .028	624-2228

RECTANGULAR TUBE	PART #
Criss-Cross .022 x .028 (10/pk)	199-0895

## WELDABLE ARCH STOP OR SPACER

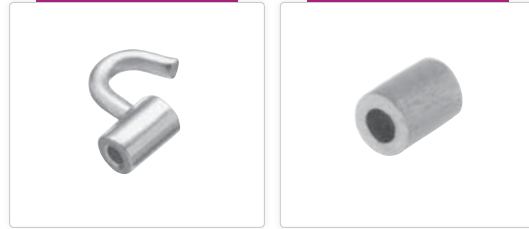
This weldable stop or spacer is made of thin-wall, medium-hard temper tubing. May be used as a sliding spacer or welded to the archwire for a stop.



STOP OR SPACER - 1MM	PART #
.052 (50/pk)	622-0151

## CRIMPABLE ARCH HOOK AND STOPS OR SPACERS (ROUND)

Crimpable .015.



HOOK - 2MM (minimum order of 10)	PART #
.022	661-0022

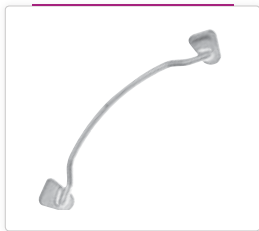
STOP OR SPACER - 2MM (minimum order of 10)	PART #
.019 ID x .030 OD	623-0262
.030 ID x .041 OD	623-0263

# LINGUAL RETAINERS

## BONDABLE LINGUAL RETAINER

Fabricated in an arch form designed for minimal adaptation, this retainer may be placed prior to appliance removal while the case is bonded or after bond removal. A measuring template is provided to assist in selecting the proper size.

Seven sizes of 3 x 3 retainers provide the necessary range for fitting of the retainer to the patient. The retainer may be fitted to a model or in some cases directly to the patient.



Size 0	204-0010	Size 4	204-0014
Size 1	204-0011	Size 5	204-0015
Size 2	204-0012	Size 6	204-0016
Size 3	204-0013		

## ADJUSTABLE LINGUAL RETAINER

Can be fabricated to fit any size arch. The adjustable pad with sliding solder ring allows effortless placement and soldering to any length required.



Adjustable Lingual Retainer 3 x 3

204-0000

## DEAD SOFT RESPOND™ WIRE

Ideal for fixed lower lingual retainers.

7" STRAIGHT LENGTHS (10/pk)	PART #
.0175	264-1170
.0195	264-1190

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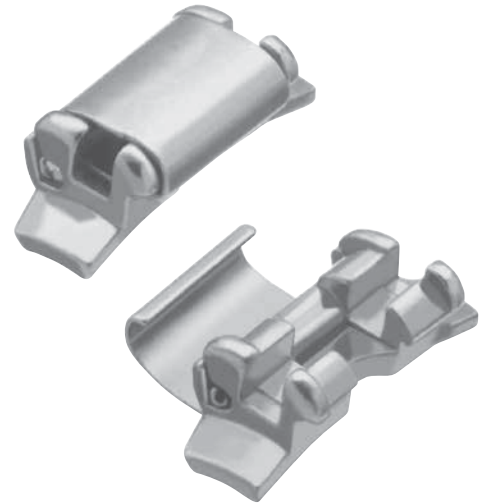
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INTRAORAL / NONCOMPLIANCE

# PRECISION™ LINGUAL HINGE CAP



## LOW PROFILE, SMOOTH CONTOUR

The Precision Lingual Hinge Cap is designed to minimize the difficulty of lingual wire insertion and removal. A secure lock over the wire is achieved without the double-back bend required in many applications with traditional sheaths.

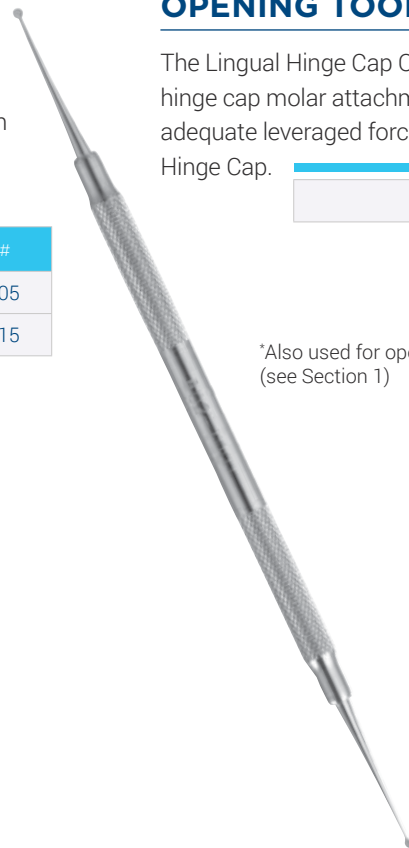
The Precision Lingual Hinge Cap is designed to accommodate up to .032 x .032 (square) and .032 (round) wires. Designed with built-in torque, in both uppers and lowers, makes it an equally appropriate choice for both passive and active lingual arch applications.

TUBE OF THREE 7" LENGTHS	TORQUE	PART #
Upper First Molar (Left/Right)	+12°	134-0005
Lower First Molar (Left/Right)	-6°	134-0015

## LINGUAL HINGE CAP OPENING TOOL\*

The Lingual Hinge Cap Opening Tool is to be used with the hinge cap molar attachments. It is designed to exert the adequate leveraged force to open the Precision Lingual Hinge Cap.

802-1001



\*Also used for opening Alias Lingual Brackets (see Section 1)

# LINGUAL ATTACHMENTS

## EASY-THREADING EYELETS

Designed for patient comfort. Packaged in convenient strip form. Minimum order of 100 loose or 10 direct bond pads.



Flat – Loose or Prewelded	612-0001
Flat – Direct Bond Pad	300-0091
Curved – Direct Bond Pad	300-0090

## LINGUAL BUTTONS

Integral one-piece construction with a curved design and rounded contours designed for patient comfort. Minimum order of 10.



Flat – Loose or Prewelded	610-0001
Curved – Loose or Prewelded	610-0002
Molar – Loose or Prewelded	610-0003
Flat – Direct Bond Pad	300-0097
Curved – Direct Bond Pad	300-0096
Plastic Button – Loose	610-0010

## CONTOURED LINGUAL SEATING LUGS

Cuspid and bicuspid lugs are contoured for easy welding. Minimum order of 100.



Anterior	615-0101
Cuspid & Bicuspid	615-0201

## MOLAR SEATING LUGS

Designed for molars and patient comfort. Two lugs per band. Minimum order of 100.



Molar Seating Lugs	615-0301
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## LINGUAL BALL HOOK

Unique bayonet offset with precision ball on end. Available prewelded to the band of your choice. Specify mesial or distal placement.



10/pk	613-0015
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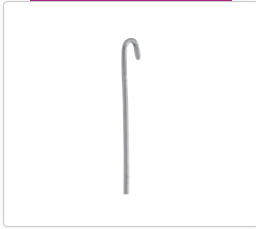
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## AUXILIARY HOOK (FOR ELASTICS)

Provided with handle for easy welding and rounded corners for patient comfort. Minimum order of 10.



646-0001

## FLAT WIRE BALL HOOK

A buccal or lingual elastic hook. Minimum order of 10.



242-0100

## VERSATILE PRECISION CLEATS

Precision quality assures uniform size, shape and wing length. Versatile design provides for use of either one or both wings. May be flattened against tooth for patient comfort when not in use.

Molar cleat is larger and thicker for more weld security. Minimum order of 100 loose or 10 direct bond pads.



6.9 mm Molar – Loose or Prewelded	613-0010
5 mm Bicuspid – Loose or Prewelded	613-0012
5 mm Bicuspid – Direct Bond Pads	300-0092

## ELASTILUGS

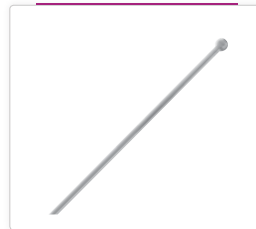
Elastilugs combine a lingual hook with a seating lug. For use on anteriors, cuspids, bicuspids and molars. The long oval lingual hook helps prevent elastics from slipping off and the base is contoured for easy welding. Minimum order of 100 loose or 10 direct bond pads.



Curved – Loose or Prewelded	614-0001
Flat – Loose or Prewelded	614-0022
Curved – Direct Bond Pads	300-0094

## BALL RETAINER CLASPS

Tempered Stainless Steel Alloy Wire with an integral solid ball at one end, double the diameter of the wire. Ball Retainer Clasps can help resolve contouring or retention difficulties in retainers.



10/pk	PART #
.028 Wire with .7 mm Ball	242-0028
.032 Wire with .8 mm Ball	242-0032

## LINGUAL BUTTONS

The direct bond button has a low profile and may be bonded to either lingual or buccal tooth surfaces. The specially designed foil mesh ensures bonding reliability and the small design helps enable bonding on partially erupted teeth.



FLAT (FOR UPPER AND LOWER CUSPIDS AND LOWER 2ND BICUSPIDS)	PART #
Direct Bond Foil Mesh (25/pk)	704-4015
CURVED (FOR UPPER 1 <sup>ST</sup> AND 2 <sup>ND</sup> BICUSPIDS, LOWER 1 <sup>ST</sup> BICUSPID AND ALL MOLARS)	PART #
Direct Bond Foil Mesh (25/pk)	704-4016
Loose Weldable (100/pk)	704-4026

## LINGUAL CLEATS



SMALL (FOR CUSPIDS AND BICUSPIDS)	PART #
Direct Bond Foil Mesh (25/pk)	704-4014

# SHEATHS

## MESIAL OFFSET SHEATHS

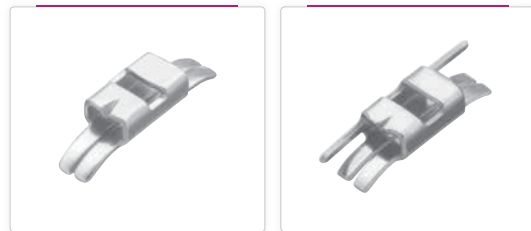
Ormco's Mesial Offset Sheath was specifically designed for patient comfort and ease of use. The 6° mesial offset assists in insertion and removal of transpalatal bars.



10/PK	PART #
.036 Right, 6° Mesial Offset UR/LL	678-3672
.036 Left, 6° Mesial Offset UL/LR	677-3672

## HORIZONTAL LINGUAL SHEATHS

With window and locking indent. Locking indent stabilizes archwire position and holds the wire firmly in place. Minimum order of 10.



FOR DOUBLED WIRE	PART #
.030 Round	672-3060
.036 Round	672-3672
AVAILABLE WITH MESIO-DISTAL HOOK (FOR DOUBLED WIRE)	PART #
.036 Round UL/LR	673-3672
.036 Round UR/LL	674-3672

## BURSTONE PRECISION LINGUAL BRACKET

Minimum order of 10.



FOR .032 X .032 ARCHES	PART #
Upper +12° torque	134-0001
Lower -6° torque	134-0010

## SHEATH INSERT

Designed to reduce irritation when lingual arch is not in use.



40/PK	PART #
Radiopaque	672-3000

## LINGUAL SHEATHS

Minimum order of 10.

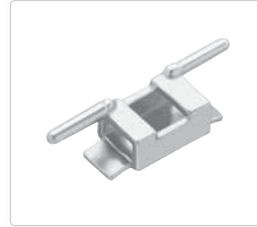


WITH SHORT 2.2 MM BALL HOOK	PART #
.036 Sheath UL/LR, Disto-gingival	676-3671
.036 Sheath UR/LL, Disto-gingival	675-3671
.036 Sheath UL/LR, Mesio-gingival	676-3673
.036 Sheath UR/LL, Mesio-gingival	675-3673

WITH 3.2 MM BALL HOOK	PART #
.036 Round UL/LR, Disto-gingival	676-3672
.036 Round UR/LL, Disto-gingival	675-3672

## SHEATH WITH WINDOW

One-piece cast lingual sheaths have a short base mesio-distally for adaptation to either first or second molar bands. Low profile, rounded contours for patient comfort; integral, cast and maleable hook. Fits both lefts or rights.



25/PK	PART #
.036 with Hooks	704-4012

## VERTICAL LINGUAL SHEATHS

Use with all lingual attachments that have vertical insertion tabs. Designed for patient comfort, this one-piece cast sheath adapts easily to either first or second molar bands. Fits both lefts and rights.



25/PK	PART #
.036	704-4001



# 10 Extraoral Appliances

**Adjustable Dynamic & Asian Profile Protraction Facemasks** p. 168

**Bright-Gear** p. 169

**SR, SRX & A+ Facebows** p. 170

# AD PROTRACTION FACEMASK

Developed by Dr. Fernando Morales, the AD (Adjustable Dynamic) Protraction Facemask is designed with patient compliance in mind. The AD Protraction Facemask provides dynamic movement in the forehead rest while allowing the chin cup to slide vertically along the main frame. This means ease of movement while sleeping, talking, or anytime the jaw is moving.

Move the skeletal Class III maxilla forward while stabilizing or retracting the mandible can also be used to close and correct negative overjet. Ormco's Whale or Walrus elastics are recommended with the AD Facemask.

- Easily adjusted
- Comfortably worn
- Replaceable pads



## AD PROTRACTION FACEMASK

Blue Facemask	716-0001
Lavender Facemask	716-0002
Chin and forehead - Replacement Pads (3/pk)	716-0003
Hex Key	716-0004

## ASIAN PROFILE PROTRACTION FACEMASK

Blue Facemask	716-0011
Lavender Facemask	716-0012
Replacement Pads (3/pk)	716-0005
Hex Key	716-0004

# BRIGHT-GEAR



## BREAK-AWAY RELEASE MODULES

10/pk	Part #
Medium (white)	715-1020
Heavy (gray)	715-1021
C-Type - Medium (white)	715-2020
C-Type - Heavy (grey)	715-2021

## HIGH-PULL STRAPS

10/pk	
Black	715-1011
Pink	715-1012
Yellow	715-1013

<b>Complete High-Pull Headgear Kit</b>	715-1010
Black Strap	
Medium Force Release Modules (2/pk)	

## CERVICAL NECK PADS

10/pk			
Denim	715-1001	Blue	715-1004
Pink	715-1002	Green	715-1005
Yellow	715-1003	Black	715-1006

SAMPLE PACK	Part #
<b>5 cervical neck pads</b> in blue, black, denim, green, and pink	715-1009

<b>Complete Cervical Headgear Kit</b>	715-1000
Denim Pad	
Medium Force Release Modules (2/pk)	

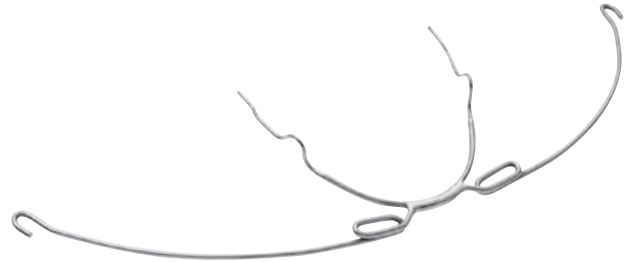
## COLORED FACEBOW (.45 dimension only)

inner arch	style	pink	yellow	orange	black	white
<b>SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>						
<b>Size 3</b>	Omega Loops	200-0323	200-0423	200-0523	200-0623	200-0723
<b>Size 4</b>	Omega Loops	200-0324	200-0424	200-0524	200-0624	200-0724
<b>Large</b>	Plain	200-0328	200-0428	200-0528	200-0628	200-0728
<b>SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>						
<b>Size 3</b>	Omega Loops	200-0343	200-0443	200-0543	200-0643	200-0743
<b>Size 4</b>	Omega Loops	200-0344	200-0444	200-0544	200-0644	200-0744

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# A+ FACEBOW

inner bow	outer bow	.045
<b>STANDARD STYLE</b>		
Long	Regular	617-1002
Medium	Regular	617-1004
Medium-Short	Regular	617-1003
Short	Regular	617-1001
Medium	Short	617-1013
Medium-Short	Short	617-1012
Short	Short	617-1015
Medium	Super-Short	617-1008
Medium-Short	Super-Short	617-1010
Short	Super-Short	617-1009
Straight-Universal	Regular	617-1006
Straight-Universal	Short	617-1000
Straight-Universal	Super-Short	617-1011



# SRX FACEBOW

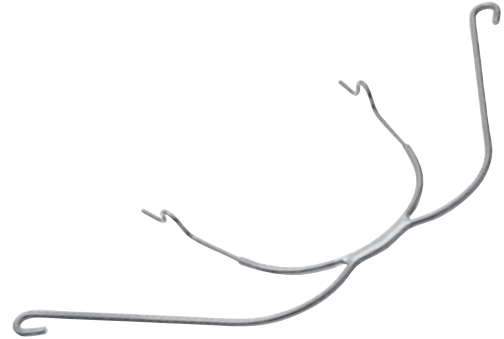
- ◉ Expanded outer bow
- ◉ Stainless steel
- ◉ Tubing reinforced outer bow

inner arch	style	.045
<b>SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>		
Size 3	Omega Loops	200-1223
Size 4	Omega Loops	200-1224
Large	Plain	200-1228
<b>MINI-SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>		
Size 3	Omega Loops	200-1243
Size 4	Omega Loops	200-1244



# SR FACEBOW

inner arch	style	.045	.051
<b>LONG OUTER BOW WITH HORIZONTAL HOOKS</b>			
Size 1	Omega Loops	200-0201	
Size 2	Omega Loops	200-0202	
Size 3	Omega Loops	200-0203	
Size 4	Omega Loops	200-0204	
Size 5	Omega Loops	200-0205	
Large	Plain	200-0208	200-0218
<b>SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>			
Size 1	Omega Loops	200-0221	
Size 2	Omega Loops	200-0222	200-0232
Size 3	Omega Loops	200-0223	200-0233
Size 4	Omega Loops	200-0224	200-0234
Size 5	Omega Loops	200-0225	
Small	Plain	200-0227	
Large	Plain	200-0228	200-0238
<b>MINI-SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>			
Size 1	Omega Loops	200-0241	
Size 2	Omega Loops	200-0242	200-0252
Size 3	Omega Loops	200-0243	200-0253
Size 4	Omega Loops	200-0244	200-0254
Size 5	Omega Loops	200-0245	200-0255
<b>SUPER-SHORT OUTER BOW WITH HORIZONTAL HOOKS</b>			
Size 2	Omega Loops	200-0262	
Size 3	Omega Loops	200-0263	
Size 4	Omega Loops	200-0264	
Size 5	Omega Loops	200-0265	
Small	Plain	200-0267	
Large	Plain	200-0268	



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EXTRAORAL APPLIANCES

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## SUPPLIES

# 11

# Supplies

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**Bright Trays and Bracket Organizers** [p. 175](#)

**SportsGuard, Toothbrushes** [p. 176](#)

**SmoothEase, Straight Electrode, Ball Electrode, Cross-Elastic Electrode, Notched Electrode** [p. 177](#)

**Articulator and Supplies, Utility Wax, Silver Solder** [p. 178](#)

**Cephalometric Protractor/ Tracing Template, Patient Hand Mirror, OptiView** [p. 179](#)

# BASIS™

## DUST-FREE ALGINATE IMPRESSION MATERIAL

Basis is an easy-to-mix, fast-set, dust-free alginate impression material that produces detailed impressions. Available in a fresh cinnamon flavor.



Basis Cinnamon Alginate (6lb Pack)	776-2101
6 – 1 lb foil bags	
1 water measuring vial	<b>776-2107</b>
1 powder measuring scoop	<b>776-2106</b>
1 canister	

Basis Cinnamon Alginate (25lb Pack)	776-2102
25 – 1 lb foil bags	
1 water measuring vial	
1 powder measuring scoop	
1 canister	

Basis Unflavored Alginate (6lb Pack)	776-2103
6 – 1 lb foil bags	
1 water measuring vial	
1 powder measuring scoop	
1 canister	

Basis Unflavored Alginate (6lb Pack)	776-2104
6 – 1 lb foil bags	
1 water measuring vial	
1 powder measuring scoop	
1 canister	



# BRIGHT TRAYS

## DISPOSABLE PLASTIC IMPRESSION TRAYS

- Designed specifically for single use
- Provide new unused trays for a quality impression every time
- Four sizes available
- Smooth contours
- Great alginate retention due to tray perforations and Rim Lock design
- No adhesives required
- Color coordinated by size for easy use



UPPER	
Size 10 - Purple (20/pk)	714-0041
Size 12 - Pink (20/pk)	714-0042
Size 14 - Blue (20/pk)	714-0043
Size 16 - Green (20/pk)	714-0044

LOWER	
Size 10 - Purple (20/pk)	714-0051
Size 12 - Pink (20/pk)	714-0052
Size 14 - Blue (20/pk)	714-0053
Size 16 - Green (20/pk)	714-0054

# QUAD™ BOX

Ormco's QUAD Delivery System makes inventory management and case setup easy.

- Compact and portable for easy transportation from chair to chair
- Holds up to 50 cases of product
- Furnished with identification stickers to easily label box contents
- Product compatible with the Damon System, Accent Mini Buccal Tubes, SnapLink Tubes, SL Buccal Tubes, Titanium Tubes, ICE, STb and Damon 7



Quad Box	070-0160
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ORGANIZERS	
Band box with built in tray	070-0740
Quad Bracket Set up Tray (20/pk)	740-0297
Slide cap box	070-1009
Disposable Set up Tray (40/pk)	740-0076

# SPORTSGUARD

Protection With a Customizable Fit

**Better Fit** - SportsGuard's unique material achieves a fit as accurate as a dental impression, even when orthodontic appliances are in place. If a patient is receiving orthodontic treatment, SportsGuard can be refitted several times as tooth movement occurs.

**Better Function** - SportsGuard's dual-component design uniquely absorbs and dissipates blows to the mouth. Each SportsGuard is individually packaged.



Translucent "Ice Blue" (10 Pack)	710-0151
Solid Black (10 Pack)	710-0152

# TOOTHBRUSHES

## TRAVEL TOOTHBRUSHES

Designed for the orthodontic patient's use away from home. Ideally suited for carrying in pocket or purse. Bristle portion fits into handle, maintaining sanitary condition for continued use. Available in assorted colors – red, pink, blue, yellow and green..



50/pk	711-0009
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# SMOOTHEASE™

## SILICONE RELIEF STRIPS

A new alternative to conventional braces wax, SmoothEase Silicone Relief Strips are made from a silicone material that provides patient comfort and reduces soft-tissue irritation. Softer and smoother than wax, SmoothEase mechanically locks around brackets for long-lasting and comfortable wear. SmoothEase removes easily in one piece for less mess and to help reduce ingestion. Each patient pack contains three silicone relief strips, clear usage instructions and a small mirror for fast and easy application.



40/pk	757-0010
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## PATIENT WAX

(Not Shown) Individually packaged.	757-0001
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### STRAIGHT ELECTRODE

- Stops and tiebacks
- Elastic hooks
- Combination of up and down hooks with headgear or Class II or Class III elastic hooks

100/pk	
.025 Brass Wire	758-0025
.028 Brass Wire	758-0028
.032 Brass Wire	758-0032

### BALL ELECTRODE

- Lingual arches
- Reinforcing wires on models
- Attachment of auxiliaries
- Elastic hooks to bands
- Reinforcing lingual surface of anterior bands
- .032 brass wire

100/pk	
Small	758-0232
Medium	758-0233
Large	758-0234

### CROSS-ELASTIC ELECTRODE

- Attach to bands for cross-elastic wearing
- Ball at end to reduce tissue irritation

100/pk	
.028 Brass Wire	758-0328

### NOTCHED ELECTRODE

- Stops and tiebacks
- Elastic hooks
- Headgear hooks
- To carry solder to a joint for attachment of auxiliaries such as "H" springs and torquing springs

100/pk	
.025 Brass Wire	758-0125
.028 Brass Wire	758-0128
.032 Brass Wire	758-0132

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## ARTICULATOR AND SUPPLIES

Compact yet fully functional articulator, wax forms and metal or acrylic typodont teeth offer the orthodontic student an improved educational aid. Typodonts can be banded or bonded.

WAX FORMS	
Class I, Crowded	709-0012
Class II, Division 1	709-0013
Class II, Division 2	709-0014
Class III	709-0010

Articulator	709-0007
Plastic Teeth	709-0008
Metal Teeth	709-0016



## UTILITY WAX

(Not shown) Conveniently packaged in a 1 lb box.

Utility Wax	757-0004
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## SILVER SOLDER

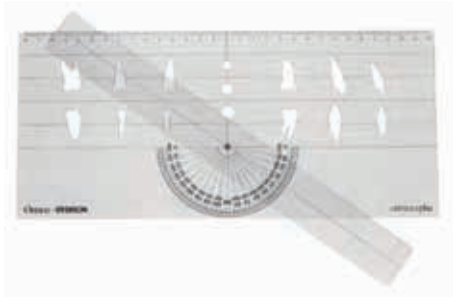
Silver solder offers excellent flow for easy working. The high silver content has been formulated for orthodontic chrome alloy use and is cadmium-free. Packaged in 1 dwt plastic container.

.015 Wire	759-0015
.025 Wire	759-0025

## CEPHALOMETRIC PROTRACTOR/ TRACING TEMPLATE

A transparent calibrated metric scale from center-zero index to 150 mm, a 180° protractor with a pivoting straight edge, and cutout tooth symbols for tracing directly over cephalometric X-ray film.

Cephalometric Protractor/Tracing Template	760-0000
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## PATIENT HAND MIRROR

Patient mirror for treatment room use. Glass measures 3½" in diameter. Patient can hold mirror while receiving instruction.

Patient Hand Mirror	714-0000
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# OPTIVIEW™

## LIP AND CHEEK RETRACTOR

OptiView is a progressive retractor that provides uniform lip and cheek retraction for improved intra-oral access. Designed to conform to the natural anatomy of the mouth, OptiView minimizes tension, providing continued comfort throughout lengthy procedures.

### Suitable for uses in the following applications:

- Diagnostics
- Preventive and therapeutic dental and orthodontic procedures
- Intra-oral photography
- Tooth preparation
- Impression taking
- Prophylaxis
- Bleaching
- Occlusal analysis



Optimal retraction without additional hands or instruments.

- Anatomically shaped maxillary and mandibular lip cradles provide access to the buccal and gingival areas
- Lip cradles include an opening for the frenulum to provide greater comfort
- Cushioned lip supports position the lips an ample distance away from anterior teeth and gums
- Made without natural rubber latex and autoclavable
- Autoclavable lip cushions can be removed from the frame to facilitate cleaning

OptiView Standard Kit	716-0050
• Contains: Two lip and cheek retractors w/ mounted cushions	
OptiView Small Kit	716-0051
• Contains: Two lip and cheek retractors w/ mounted cushions	
OptiView Refill Cushions (10/pk)	716-0052

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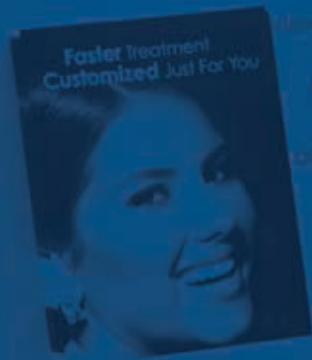


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**PRACTICE DEVELOPMENT**

Faster Treatment  
Customized Just For You



How you practice

your patients

experience

will be different



DAMON

# 12 Practice Development

## DOCTOR EDUCATION

**Books & DVDs**

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## PATIENT EDUCATION/MARKETING

**Passive Self-Ligation – Metal & Clear**

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**Digital Orthodontics**

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**Aesthetic Appliances**

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**Metal Twin Appliances**

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**Intraoral Appliances**

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# DOCTOR EDUCATION

## BOOKS & DVDS

### DAMON TREATMENT PROTOCOL BOOKLET

Suggested Damon System treatment protocols are provided for the following cases: Class I Deep Bite, Class II Open Bite, Mild Class II (Div 2 End-On and Mild Class II Deep Bite), Class III Open Bite and Deep Bite, Four Bicuspid Extraction (Open Bite and Deep Bite) and Posterior Cross Bite. **18 pages, 2010.**

### VECTORTAS WORKBOOK

Providing a detailed overview of the VectorTAS System, this workbook illustrates placement and treatment techniques for 9 cases - gummy smile correction, bi-maxillary dental protraction with TADs and aligners, space closure by anterior retraction or molar protraction, closure of anterior open bite, maxillary occlusal cant, molar intrusion, canine impaction/ankylosis and molar up-righting. Marketing tips, including a patient consultation script and sample referring dentist letter, are included to support practice growth. **56 pages, 2011.**

### DAMON SYSTEM CASE STUDIES, VOLUME ONE

**Drs. Stuart Frost, Mike Mayhew and Ramon Perera**

Detailed case studies are provided for the following Damon System cases: Class I Bi-maxillary Protrusion, Class I End- to-End Molar, Class I Narrow Arch, Class II Deep Bite, Class II Cleft Lip & Palate and Class I and Class III Anterior Crossbite. Each case includes a pretreatment diagnosis, treatment plan, step-by-step treatment sequence, case discussion and wire sequence chart. **61 pages, 2011.**

### VECTORTAS DEMONSTRATION DVD

This DVD demonstrates how VectorTAS can be used in even the simplest of cases to reduce treatment time and enhance smile aesthetics. Placement procedures, doctor testimonials and patient testimonials are included. **2009.**



070-5571



700-0149



070-5596



070-5546



# PATIENT EDUCATION/ MARKETING

## PASSIVE SELF-LIGATION - METAL & CLEAR

### Damon System - Passive Self-Ligation

#### CONSULTATION TYPODONTS & MODELS

Damon Q Consultation Typodont	717-0114
Damon Q Consultation Model (with stand, opening tool, wire bar & elastomeric)	717-0124
Damon Clear (U), Damon Q (L) Consultation Typodont	717-0115
Damon Clear (U/L) Consultation Typodont	717-0120
Damon Clear 14x Consultation Model (with stand, opening tool, wire bar & elastomeric)	717-0125
Combo Consultation Typodont (Damon 3 upper/Damon 3MX lower)	717-1035
Damon 3MX Consultation Typodont	717-1033

#### PATIENT BROCHURES & DISPLAYS

Damon System Patient Brochure (40 per pack) – English	070-5117
Damon System POP Display (brochure holder) – English	070-5469
Damon Clear Patient Brochure (40 per pack) – English	070-5585
Damon Clear POP Display (brochure holder) – English	070-5586

#### REFERRING DENTIST EDUCATION

Three-step Damon Marketing Program by Dr. Tom Barron – visit <a href="http://marketing.ormco.com">marketing.ormco.com</a>	
Damon Referring Dental Hygienist CD (also on <a href="http://marketing.ormco.com">marketing.ormco.com</a> )	070-5380



Damon System POP Display



Damon Clear POP Display

### MySMILECONSULT™

Educate your patients with Ormco's interactive consultation tool for Damon practices. Visit [marketing.ormco.com](http://marketing.ormco.com) to register, customize and share your version of *My Smile Consult* – before, during and after the consultation.



Damon Clear Typodont

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## SELF-LIGATION SYSTEMS, CONT'D

### PRESENTATIONS & ARTWORK

Damon Orthodontic Photo Album (spiral-bound)	070-5461
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**marketing.ormco.com** – an online library of Damon artwork, videos and practice support tools. The Damon brand name and artwork is only authorized for use by doctors/practices offering the Damon System.

### CONSUMER/PATIENT WEBSITE WITH DOCTOR LOCATOR\*

**Damonbraces.com** – Contact your Ormco representative to add your practice website to the doctor locator

\* Available in North America.



Damon Photo Album

## DIGITAL ORTHODONTICS

### Insignia Advanced Smile Design

#### PATIENT BROCHURES & DISPLAYS

Insignia Patient Brochures (40 per pack)	070-5573
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Insignia POP Display (brochure holder)	070-5574
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#### OFFICE POSTERS (19" X 25")

Insignia Poster, Woman	070-5575
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Insignia Poster, Couple	070-5578
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#### ARTWORK & MARKETING RESOURCES

**marketing.ormco.com** – an online library of Insignia artwork and practice support tools. The Insignia brand name and artwork is only authorized for use by doctors/practices offering Insignia.

### CONSUMER/PATIENT WEBSITE WITH DOCTOR LOCATOR\*

**InsigniaSmile.com** – Contact your Ormco representative to add your practice website to the doctor locator

\* Available in North America



Insignia POP Display and Patient Brochures

## AESTHETIC APPLIANCES

### Inspire ICE

#### CONSULTATION TYPODONT

Inspire ICE Typodont	717-1026
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#### PATIENT BROCHURES & DISPLAYS

Insignia Patient Brochures (40 per pack)	740-0267
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Inspire ICE POP Display (brochure holder) – English	070-5464
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#### ARTWORK

Inspire ICE Marketing CD	070-5449
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**marketing.ormco.com** – an online library of Inspire ICE artwork and practice support tools. The Inspire ICE brand name and artwork is only authorized for use by doctors/practices offering Inspire ICE.

#### CONSUMER/PATIENT WEBSITE WITH DOCTOR LOCATOR\*

**iceclearbraces.com** – Contact your Ormco representative to add your practice website to the doctor locator

\* Available in North America



Inspire ICE Patient Brochure and Typodont

### SpiritMB

#### TYPODONT AND PATIENT BROCHURES

SpiritMB Typodont	709-0057
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### Alias Lingual Straight-Wire

#### PATIENT BROCHURES & TYPODONT

Alias Patient Brochures (40 per pack) – English	070-5036
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Alias Typodont	717-0105
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Alias Consultation Model 15x U1&2-U/L4 w/Opening Tool	717-0100
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### STb Lingual

#### CONSULTATION TYPODONT

STb Lingual Typodont	717-1040
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#### PATIENT BROCHURES & DISPLAYS

STb Social 6 Patient Brochures (40 per pack) – English	070-5493
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STb Social 6 Patient Brochures (40 per pack) – Spanish	070-5494
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STb Social 6 POP Display (brochure holder) – English	070-5495
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STb Social 6 POP Display (brochure holder) – Spanish	070-5496
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### Lingual Gen 7

#### TYPODONT

Lingual Gen 7 Typodont	709-0051
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Alias Patient Brochures and Typodont

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## METAL TWIN APPLIANCES

CONSULTATION TYPODONTS	
Titanium Orthos Typodont	709-0070
Orthos Typodont	709-0058
Mini Diamond Typodont	709-0071
Mini-Twin VS Typodont	717-1008
Straight-Wire Synthesis Typodont	709-0069
PATIENT BROCHURES & DISPLAYS	
Twin Appliances Patient Brochures (40 per pack) – English	070-5523
Twin Appliances Patient Brochures (40 per pack) – Spanish	070-5524
Twin Appliances POP Display (brochure holder) – English	070-5525
Twin Appliances POP Display (brochure holder) – Spanish	070-5526
ARTWORK	
<p><b>marketing.ormco.com</b> – an online library of Ormco twin artwork, authorized for use by doctors/practices offering Ormco twin appliances.</p>	



Twin Appliances POP Display with Patient Brochures and Typodont

## INTRAORAL APPLIANCES

VectorTAS Temporary Anchorage	
TYPODONT AND DEMONSTRATION DVD	
VectorTAS Typodont	717-1054
VectorTAS Demonstration DVD	070-5546

## OTHER

Plain Typodont	709-0009
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## TERMS AND CONDITIONS OF SALE

**UNLESS OTHERWISE EXPRESSLY AGREED IN WRITING, ALL SALES ARE SUBJECT TO, BUT NOT LIMITED TO, THE FOLLOWING ORMCO AND KERR ENDODONTICS ("SELLER") TERMS AND CONDITIONS OF SALE:**

### PAYMENT INFORMATION

Purchaser shall pay the balance due on the date specified on the equipment order.

Payment is due thirty (30) days after the date of the invoice unless otherwise specified on the front of the invoice. Seller reserves the right to establish and /or change payment terms extended to Purchaser when, in Seller's sole opinion, Purchaser's financial condition or previous payment record warrants that action.

**Security Interest:** Seller retains a security interest in the Products delivered to the Purchaser, and in their accessories, replacements, accessories, proceeds and products, including accounts receivable (collectively, the "Collateral") to secure payments of amounts and performance due under this invoice. Purchaser acknowledges that this document or copies of this document may be filed with the appropriate authorities as a financing statement and agrees to execute and deliver such other documents as we may request in order to evidence or perfect our security interest.

### SHIPMENTS: TITLE TO GOODS

**DOMESTIC.** All domestic shipments will be made Ex Works (Incoterms 2010) Seller's facility. Delivery will be deemed complete and legal title and all risk of loss or damage to the Products will pass to Purchaser, upon delivery to the carrier. **INTERNATIONAL.** All international shipments will be made FCA (Incoterms 2010) Shipper's dock. Delivery will be deemed complete and all risk of loss or damage to the Products will pass to Purchaser when the Products enter international water or airspace or upon delivery to the customer's designated freight forwarder. Legal title will transfer when products enter international water or airspace.

International waters are defined as twelve (12) nautical miles from the last port of US export. International air space entry is defined at the time of aircraft departure/wheels up from the last US port of export. Land shipments (rail and truck) will be deemed complete and legal title passed to Buyer once the shipment crosses out of the US.

In the event of a dispute, these terms will supersede any terms reflected on shipping documents.

### RETURNS:

Seller's non-custom product(s) that are not defective in material or workmanship may be returned at Customer's expense for full credit within thirty (30) days of shipment.

Seller's non-custom product(s) that are not defective in material or workmanship being returned within thirty-one to ninety (31-90) days of shipment will receive a full exchange to a product of equal value (as determined by the Seller) and will be subject to a 20% restocking fee.

Product will not be approved for return later than ninety (90) days after shipment.

All returned products must meet the following conditions for credit to be issued:

(a) Products must be unused, in the original unopened package and in resalable condition; (b) Products must be packaged so as to arrive at Seller's facility undamaged; (c) Products must be shipped prepaid and insured

for full invoice value; (d) Products must be of current design; (e) A copy of original invoice must accompany the products along with a note explaining the reason for this return.

**INTERNATIONAL RETURNS.** For all international returns approval must be obtained from Customer Care prior to returning product to the United States. In addition to providing a copy of the invoice, the customer must issue a new pro forma invoice in English to the Import-Export Department to include:

- date of return shipment, customer name and address; Seller ship to address; plus the following for each product: product name, part number, quantity, value, country of origin, and schedule B number (all found on Seller's invoice);
- Statement: "Returned merchandise: value declared for customs purposes only."
- Customers must send a shipment pre-alert to Import Export Department to include the invoice, air bill, flight details and/or arrival information.

**NONRETURNABLE GOODS.** The following products are not returnable:

- Any custom-made products; (b) Chemical or refrigerated products.

Seller's Customer Returns Department's evaluation of the condition of products and count are final. **Before returning parts, contact customer Care Department at: For Kerr Endodontics - (800) 346-3636; For Ormco - (800) 854-1741.**

### LIMITED WARRANTY

PURCHASER MUST ASSUME FULL RESPONSIBILITY FOR THE SELECTION OF THE PRODUCT TO ACHIEVE PURCHASER'S INTENDED PURPOSES, FOR THE PROPER INSTALLATIONS AND USE OF THE PRODUCT AND FOR VERIFYING THE RESULTS OBTAINED FROM ITS USE. Seller assumes no responsibility for, and does not warrant the installation work of others nor does Seller assume responsibility for overseeing or supervising the work of any person other than its own agents or personnel. All products manufactured are warranted to be free of defects in materials and manufacture for one year from date of delivery. Any material or manufacture defect covered by this limited warranty which occurs during normal use and is reported to Seller in writing during the period of one (1) year from the date such products is shipped to the Purchaser. Seller's obligation hereunder, upon verification of the defect or error, shall be to provide one of the following: (i) replacement at no charge to Purchaser; (ii) repair at no charge to Purchaser; or (iii) credit the purchase price to Purchaser. If, upon the inspection of any Seller product to which this warranty applies, Seller determines that a claimed defect was not due to its manufacture or materials, Seller will proceed to service the Seller product at Purchaser's expense and approval. This warranty shall be null and void upon service, repair or replacement of any portion of the Seller product or any modification performed by anyone other than an authorized Seller service representative, or under the direction of Seller. Purchaser must use the Seller approved hardware with the prescribed Seller software and must use the Seller software with the prescribed Seller hardware. Usage of any Seller component with any non-prescribed component will render warranty coverage for the Seller product null and void. Any modification of any Seller product will also render warranty coverage for the Seller product

null and void. Purchaser's remedies under this limited warranty are exclusive of all others. Seller's warranty obligation with respect to all components, equipment and accessories which are integrated into a Seller product and not manufactured by Seller shall be limited to those express written warranties made to Seller by manufacturer which Seller hereby assigns and transfers to Purchaser. THE FORGOING WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES WHATSOEVER WITH RESPECT TO PRODUCT OR SERVICES SOLD HEREUNDER, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALL WARRANTIES SHALL TERMINATE ONE YEAR FROM DATE OF DELIVERY OF PRODUCT TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHERS, WHICH VARY FROM STATE TO STATE.

### PATENT INDEMNIFICATION

Seller shall defend any suit or proceeding brought against Purchaser so far as the same is based on a claim that any product of Seller's design furnished hereunder or any part thereof, constitutes an infringement of any United States patents, if notified promptly in writing and given authority, information and assistance (at Seller's expense) for the sole defense and settlement of the same and if such alleged infringement is not the result of a design or other special requirement specified by Purchaser or the result of the application or use to which such product is put by Purchaser or others. Seller will pay all damages and costs awarded in such suit or proceeding against Purchaser. In case such product or part thereof are in such suit held to infringe any such patent and the use thereof is enjoined, Seller shall, at its expense and option, either (a) obtain for Purchaser the right to continue using such product or part thereof, (b) replace the same with non-infringing product, or (c) modify the same so it becomes non-infringing, or (d) remove said product and refund the purchase price, less applicable depreciation, and the transportation and installation cost thereof. The foregoing states the entire liability of Seller to Purchaser for patent infringement. For a list of patents, visit [ormco.com/patents](http://ormco.com/patents).

### LIMITATION OF LIABILITY

IN NO EVENT SHALL SELLER BE LIABLE AND PURCHASER WAIVES ALL CLAIMS AGAINST SELLER FOR CONSEQUENTIAL OR SPECIAL DAMAGES, WHETHER OR NOT BASED UPON SELLER'S NEGLIGENCE OR BREACH OF WARRANTY OR STRICT LIABILITY IN TORT OR ANY OTHER CAUSE OF ACTION ARISING, DIRECTLY OR INDIRECTLY, IN RESPECT TO THE SELLER PRODUCT OR SERVICES COVERED HEREUNDER, OR THE USE OR FAILURE THEREOF, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOST PROFITS, LOSS OF PRODUCTION OR INJURY TO PERSONS OR PROPERTY. IN ANY EVENT, SELLER'S MAXIMUM LIABILITY SHALL NOT EXCEED THE CONTRACT PRICE OF THE PRODUCT FURNISHED BY SELLER HEREUNDER.

### PROTECTED HEALTH INFORMATION

Seller offers certain custom product and services, including Insignia,

ClearGuide Express, Lythos and Digicast. In ordering these products the Purchaser provides Seller with personal health information of Purchasers patients. Purchaser warrants that it has obtained or will obtain the necessary consent to transfer this patient personal health information to Seller and Sellers vendors in order to comply with all applicable local and international laws with respect to this information including EU Privacy Directives. To Comply with applicable laws and directives and to safeguard this information, Seller has implemented information policies to protect this information, including providing training to personnel with access to this information and conducting background checks on those personnel, implementing building access controls, security procedures as well as computer server security procedures and designed certain products and software with features such as encryption, anti-virus and intrusion detection as well as other measure to assist Purchaser and vendors in protecting personal health information.

### GENERAL

**Force Majeure.** Seller shall not be liable for delay in performance or for failure to render any performance, and any such delay or failure shall for all purposes be excused, when such delay or failure is caused by governmental regulation, fire, flood, wind, strike, labor disputes, accidents, embargo, riot, act of God, or any other causes or causes, whether of like or different nature, beyond the reasonable control of Seller. Purchaser shall bear any costs incidental to Purchaser's delay or failure in acceptance of the Seller's product or any other performance.

**Established Business Relationship.** By purchasing Seller's product, you have entered into an established business relationship with Seller formed by the purchaser of Seller's product, and hereby consent to receiving email and facsimile communications from Seller concerning products and services.

**Patented Products.** Brackets, molar assemblies and archwires covered by Seller patents are sold with license for single-use only.

**Product Changes.** Seller reserves the right in its sole discretion, to change, update and enhance the products at any time including to add functionality or features, or to remove them from the products. Seller may also, in its sole discretion, suspend the sale or production of any product.

**Governing Law.** These terms and conditions shall be governed by and construed in accordance with the laws of California, without regard to conflict of laws principles.

**Termination for Default.** Seller may terminate an order, in whole or in part, if Purchaser is in breach of any term contained in these Terms and Conditions of Sale and fails to remedy within ten (10) of Sellers notice.

**Effect of Invalidity.** The invalidity of any part of any section of the Terms and Conditions of Sale contained herein shall not affect the validity of any other section in whole or in part.

**Statute of Limitation.** Any action resulting from the breach on the part of Seller as to any Seller product delivered hereunder must be commenced within one year after the cause of action has accrued.

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