

TP ORTHODONTICS, INC.
PRODUCT CATALOG



TP Orthodontics, Inc.

tportho.com

cosmeticbraces.com

TP Orthodontics, Inc.

Product Catalog

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Ordering Information

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France

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Germany

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All countries in South America are served by México (with the exception of Brazil).

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FIND TPO ONLINE

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cosmeticbraces.com

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youtube.com/tportho

NOTE

When ordering products, as a precaution against shipping errors, please furnish item number, quantity and description of product. Although a minimum order is not required, when possible please place orders with a total value of not less than \$25.

Call TPO worldwide headquarters at 800-348-8856 for distributor contact information.

Terms and Conditions of Sale

Our commitment is to continually improve and enhance our products and their performance. TPO reserves the right to discontinue or modify the design of any product without prior notice.

Conditions

All prices are subject to change without notice. Prices are in effect on the day order is received.

TPO reserves the right to improve, modify or discontinue products and services at any time without incurring obligation. All products and services are guaranteed to be of the highest quality of materials and workmanship. TPO's sole responsibility in the event of any claimed defect is limited to the replacement of the material or credit of the purchase price. TPO will not be responsible for other claims for incidental and consequential damages.

Shipping Information

TPO reserves the right to ship orders using the most expeditious and cost-effective means available.

An invoice or packing slip will accompany each shipment. When packing slips are enclosed, an invoice will follow several days later. Invoices will reflect price of each item, applicable discounts, prepaid shipping charges and sales tax, if applicable. Shipments should be checked immediately upon receipt, and discrepancies called to the attention of TPO within 10 days for adjustment. On shipments to countries with limited insurance, TPO is not responsible for damaged or lost goods beyond the insurable limit.

TPO reserves the right to add a surcharge on special request orders.

Payment Terms

Please make payments within 30 days from date of invoice. Any invoice or other outstanding balance not paid within 30 days from date of invoice will be subject to a service charge of 1.5% per month or 18% annually. Statements are mailed by the 10th of each month. TPO, in addition to any other remedies available to it, may at its option, (i) defer further shipments until such payments are made and satisfactory credit arrangements are re-established, or (ii) cancel the unshipped balance of any order.

Returns for Credit

Please note revised return policy: Within 30 days after purchase, the customer may return any standard catalog product for full credit (except as noted below) which is not satisfactory, under the following conditions:

1. Material returned should be forwarded postage paid and insured for full value to the TPO office serving your area. TPO is not responsible for uninsured items lost or damaged during shipment.
2. In the United States and Canada, call TPO customer service to receive a Return Goods Authorization Number before returning product.
3. Returns should be accompanied by the packing slip or invoice and a note stating reason for return to assure prompt and correct issuance of credit or adjustment.
4. Material should be unused and in a new and resalable condition. Broken or opened packages of standard stock items will not be accepted for credit.
5. The amount of credit granted will be based upon the price of the materials at time of purchase. At TPO's option, all returns are subject to a 30% restocking charge.
6. Custom produced products, such as preformed bands with special combinations or positioning of prewelded attachments, will not be accepted for credit. Laboratory services which are unsatisfactory will be reworked at no charge or adjusted on an individual basis.

After 30 days, no credit will be issued. An exchange for an alternate product of equal or greater value must be made. After 90 days TPO will offer no credit or exchange. All credits and returns are subject to the discretion of TPO. TPO Account Executives are not authorized to approve or pick up merchandise being returned for credit or exchange.

Limitations of Warranties

TPO warrants that its products are free from defects in materials and workmanship. TPO's liability and the customer's sole remedy in the event of any claimed defect shall be limited to replacement of the product, or at TPO's discretion, refund of the purchase price. This warranty is in lieu of any other warranties, express or implied, including any implied warranty of merchantability, fitness for a particular purpose, or otherwise, and of any other obligations or liability on TPO's part. Under no circumstances will TPO be liable for any loss, damage, expense or consequential damages arising in connection with use, or inability to use, TPO's products.

Quality and Compliance

As a global presence in the orthodontic marketplace, TPO maintains a Quality Management System with a worldwide reach that adheres to International Recognized Standards and Governmental Regulations required for medical devices. TPO is compliant with the most current revisions of:

ISO 13485 MEDICAL DEVICES • Quality management systems • Requirements for regulatory purposes	ISO 14971 MEDICAL DEVICES • Application of risk management to medical devices	21 CFR 820 QUALITY SYSTEM REGULATION U.S. Food and Drug Administration	93/42/EEC MEDICAL DEVICE DIRECTIVE European Community	SOR/98-282 MEDICAL DEVICES REGULATION Canada
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Patents and Trademarks

TPO Products are manufactured and/or sold under one or more of the following US and foreign patents and trademarks at the time of publication.

Patents:

United States 5,263,859 5,415,542 5,620,321 5,624,258 5,727,941 5,873,716 5,911,575 6,132,209 6,135,767 6,203,317 6,217,324 6,682,345 6,685,468 6,746,242 6,749,426 6,786,720 6,834,761 7,025,591	7,131,836 7,780,442 8,029,275 D-433,138 D-478,172 Brazil PI0012557-1 Britain 0982008 1174107 1204383 1300118 1352617 1539017 1545380 1562511	China 03806949.0 03822189.6 ZL03824889.1 Europe 1352617 1545380 1562511 France 0982008 1174107 1300118 1539017 1545380 1562511	Germany 0982008 1204383 1545380 19819908.2 60113016.2 60230473.3 60315212.0 60327861.2 60332263.8-08 Italy 1174107 1204383 1300118 1352617 1539017 1545380	1562511 21463BE/2011 Japan 4391242 4414334 4503440 4554859 5415612 Mexico 210917 253037 265725 269871 274623	Spain 1300118 1352617 1539017 1562511 ES2354938T3 ES2362089T3 Switzerland 1352617 Other US and international patents pending.
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Trademarks:

1-to-1, Advant-Edge, Bio-Arch, Bond-A-Splint, Bow-Flex, Bump-R-Sleeve, ClearVu, Click-It, Co-Ax, Col-R-Lastics, Convenience-Pak, CrossLink, crystal-Flex, Dentaloy, Differential Straight-Arch, E-Links, Easy-Out, eXact, Extend-O, FLEX-Palate, Flip-Lock, Free-N-Easy, GripTite, InVu, Lo-Rider, Metafasix, MXi, Norm-O, Nu-Edge, NV, Originator, OrthoScape, Outrigger, Pastel Palates, Perfector, Personalized Color-Matching Technology, PLUS, Position-ette, Pre-Finisher, Pre-Fit, PrimeKote, Readi-Base, Reflex, Right-On, SAL, Sep-A-Rings, Solay, Spring-Pin, Stickyring, Straight Shooter, Straight-Edge, Super Slick, The difference is more than cosmetic, TiMolium, Tip-Edge, Tip-Edge PLUS, Tongue-Away, TP Orthodontics, TPO, Tru-Force, Turbo Bond, Twin-Edge, Varsity Guard, Vela Archwire System, Zing String, Zing-O.

TP Orthodontics Prescription Reference Chart



TP Orthodontics, Inc.
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Maxillary Brackets

Maxillary Tubes

Technique	CENTRAL		LATERAL		CUSPID		BICUSPID		1ST MOLAR			2ND MOLAR		
	Torque	Tip	Torque	Tip	Torque	Tip	Torque	Tip	Torque	Tip	Distal Offset	Torque	Tip	Distal Offset
Click-It®														
MBT	+17°	+4°	+10°	+8°	0°	+8°	-7°	0°	-14°	0°	+10°	-14°	0°	+10°
ClearVu® / InVu®														
Roth	+14°	+5°	+7°	+8°	0°	+8°	-7°	0°	-14°	0°	+14°	-14°	0°	+14°
MBT	+17°	+4°	+10°	+8°	0°/0° and -7°	+8°	-7°	0°	-14°	0°	+10°	-14°	0°	+10°
Standard Edgewise (InVu only)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip-Edge PLUS® Ceramic														
	+12°	+5°	+8°	+9°	-2°	+11°	-7°	0°	-10°	0°	+12°	N/A	N/A	N/A
Mu-Edge®														
Roth	+14°	+5°	+7°	+8°	0°	+10°	-7°	0°	-14°	0°	+14°	-14°	0°	+14°
MBT with Hook	+17°	+5°	+10°	+7°	0°	+7°	-7°	0°	-14°	0°	+10°	-14°	0°	+10°
MBT without Hook	+17°	+5°	+10°	+7°	-7°	+8°	-7°	0°	-14°	0°	+10°	-14°	0°	+10°
Bio-Tech .018"	+22°	0° and +5°	+14°	+8°	+7°	+5°	0°	0°	-10°	0°	+15°	-10°	0°	+15°
High Torque .022"	+22°	0° and +5°	+14°	+8°	N/A	N/A	N/A	N/A	-10°	0°	+15°	-10°	0°	+12°
NV® Hybrid														
Roth	+14°	+5°	+7°	+8°	0°	+10°	-7°	0°	-14°	0°	+14°	-14°	0°	+14°
MBT	+17°	+5°	+10°	+7°	0°	+7°	-7°	0°	-14°	0°	+10°	-14°	0°	+10°
Straight-Edge® II														
Roth	+12°	+5°	+8°	+9°	-2°	+11°	-7°	0°	-14°	0°	+14°	-14°	0°	+14°
Straight-Edge® I														
Andrews	+7°	+5°	+3°	+9°	-7°	+11°	-7°	+2°	-10°	0°	+10°	-10°	0°	+10°
Ricketts®	+22°	+5°	+14°	+9°	+7°	+5°	0°	0°	-10°	0°	+8°	-10°	0°	+8°
Tip-Edge®														
PLUS	+12°	+5°	+8°	+9°	-4°	+11°	-7°	0°	-10°	0°	+12°	N/A	N/A	N/A
Rx-I	+12°	+5°	+8°	+9°	-4°	+11°	-7°	0°	-10°	0°	+12°	N/A	N/A	N/A

Mandibular Brackets

Mandibular Tubes

Technique	ANTERIORES		CUSPID		1ST BICUSPID		2ND BICUSPID		1ST MOLAR			2ND MOLAR		
	Torque	Tip	Torque	Tip	Torque	Tip	Torque	Tip	Torque	Tip	Distal Offset	Torque	Tip	Distal Offset
Click-It®														
MBT	-6°	0°	+0°	+3°	-12°	0°	-17°	0°	-20°	0°	0°	-10°	0°	0°
ClearVu® / InVu®														
Roth	-1°	0°	-11°	+6°	-17°	0°	-22°	0°	-30°	-1°	+4°	-30°	0°	0°
MBT	-6°	0°	0°/0° and -6°	+3°	-12°	0°	-17°	0°	-20°	0°	0°	-10°	0°	0°
Standard Edgewise (InVu only)	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip-Edge PLUS® Ceramic														
	-1°	0°	-11°	+5°	-20°	0°	-20°	0°	-27°	0°	+8°	N/A	N/A	N/A
Mu-Edge®														
Roth	-1° and -12°	0°	-11°	+6°	-17°	0°	-22°	0°	-30°	-1°	+4°	-30°	0°	+5°
MBT with Hook	-6°	0°	0°	+3°	-12°	+2°	-17°	+2°	-20°	0°	0°	-10°	0°	0°
MBT without Hook	-6°	0°	-7°	+3°	-12°	+2°	-17°	+2°	-20°	0°	0°	-10°	0°	0°
Bio-Tech .018"	-1°	0°	+7°	+5°	0°	0°	0°	0°	-27°	0°	+5°	-27°	0°	+6°
High Torque .022"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NV® Hybrid														
Roth	-1°	0°	-11°	+6°	-17°	0°	-22°	0°	-30°	-1°	+4°	-30°	0°	+5°
MBT	-6°	0°	0°	+3°	-12°	+2°	-17°	+2°	-20°	0°	0°	-10°	0°	0°
Straight-Edge® II														
Roth	-1° and -6°	+2° and 0°	-11°	+5°	-17°	+1°	-22°	+1°	-30°	-1°	+4°	-30°	0°	+5°
Straight-Edge® I														
Andrews	-1° and -6°	+2° and 0°	-11°	+5°	-17°	+2°	-22°	+2°	-25°	0°	+4°	-25°	0°	+4°
Ricketts	-1° and -6°	+2° and 0°	+7°	+5°	0°	0°	-14° and -7°	0°	-25°	0°	+8°	-25°	0°	+8°
Tip-Edge®														
PLUS	-1°	+2°	-11°	+5°	-20°	0°	-20°	0°	-27°	0°	+8°	N/A	N/A	N/A
Rx-I	-1°	+2°	-11°	+5°	-20°	0°	-20°	0°	-27°	0°	+8°	N/A	N/A	N/A

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AESTHETIC BRACKET SYSTEMS



TP Orthodontics, Inc.

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AESTHETIC BRACKET SYSTEMS

ClearVu®

- Roth
- MBT

ClearVu® with Pre-Applied Adhesive

- Roth
- MBT

InVu®

- Mini, Roth
- Roth
- Mini, MBT
- MBT
- Standard Edgewise

InVu® with Pre-Applied Adhesive

- Mini, Roth
- Roth
- Mini, MBT
- MBT

Click-It® Self-Ligating

- MBT

Tip-Edge PLUS®

Tip-Edge PLUS® with Pre-Applied Adhesive



Personalized
Color-Matching
Technology®

TPO Aesthetic Brackets

feature *Personalized Color-Matching Technology®* which allows our brackets to blend with your patient's tooth color.

ClearVu® Mini Ceramic Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	Cuspid	297-100CV	297-101CV
Upper 5-5	Cuspid/Bicuspid	297-404CV	297-405CV
Upper & Lower 3-3	Cuspid	297-102CV	297-103CV
Upper & Lower 5-5	Cuspid/Bicuspid	297-406CV	297-407CV
Kits combine ceramic with metal* brackets			
Up. 5-5 Ceramic with Lo. 5-5 Metal	Cuspid/Bicuspid	297-051CV	297-056CV

*Nu-Edge Cobalt Chromium brackets.

297-490CV Bi-Dimensional Brackets with Hooks
 .018" centrals and laterals with .022" cuspids and bicuspids
 Kit contains 20 brackets.



Patented

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm (.018")	L	297-138CV
Torque +14°		R	297-139CV
Tip +5°	0.56mm (.022")	L	297-150CV
		R	297-151CV
Lateral	0.46mm (.018")	L	297-148CV
Torque +7°		R	297-149CV
Tip +8°	0.56mm (.022")	L	297-152CV
		R	297-153CV
Cuspid with Distal Hook	0.46mm (.018")	L	297-418CV
Torque 0°		R	297-419CV
Tip +8°	0.56mm (.022")	L	297-420CV
		R	297-421CV
Universal Bicuspid with Hook	0.46mm (.018")	L	297-284CV
Torque -7°		R	297-285CV
Tip 0°	0.56mm (.022")	L	297-286CV
		R	297-287CV

Order individual brackets by placing a "U" in front of the item number.
 Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm (.018")	L/R	297-169CV
Torque -1°			
Tip 0°	0.56mm (.022")	L/R	297-160CV
Cuspid with Distal Hook	0.46mm (.018")	L	297-426CV
Torque -11°		R	297-427CV
Tip +6°	0.56mm (.022")	L	297-428CV
		R	297-429CV
1st Bicuspid with Hook	0.46mm (.018")	L	297-288CV
Torque -17°		R	297-289CV
Tip 0°	0.56mm (.022")	L	297-290CV
		R	297-291CV
2nd Bicuspid with Hook	0.46mm (.018")	L	297-292CV
Torque -22°		R	297-293CV
Tip 0°	0.56mm (.022")	L	297-294CV
		R	297-295CV

Order individual brackets by placing a "U" in front of the item number.
 Package of 5

ClearVu® Mini Ceramic Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	Cuspid	297-380CV	297-381CV
Upper 5-5	Cuspid/Bicuspid	297-408CV	297-409CV
Upper & Lower 3-3	Cuspid	297-382CV	297-383CV
Upper & Lower 5-5	Cuspid/Bicuspid	297-410CV	297-411CV

Kits combine ceramic with metal* brackets

Up. 5-5 Ceramic with Lo. 5-5 Metal	Cuspid/Bicuspid	297-031CV	297-036CV
------------------------------------	-----------------	------------------	------------------

Kits contain maxillary first and second bicuspid with .027" in/out compensation.

*Nu-Edge Cobalt Chromium brackets.

297-495CV Bi-Dimensional Brackets with Hooks
.018" centrals and laterals with .022" cuspids and bicuspid
Kit contains 20 brackets.



Patented

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-310CV
Torque +17°	(.018")	R	297-311CV
Tip +4°	0.56mm	L	297-312CV
	(.022")	R	297-313CV
Lateral	0.46mm	L	297-314CV
Torque +10°	(.018")	R	297-315CV
Tip +8°	0.56mm	L	297-316CV
	(.022")	R	297-317CV
Cuspid with Distal Hook	0.46mm	L	297-418CV
Torque 0°	(.018")	R	297-419CV
Tip +8°	0.56mm	L	297-420CV
	(.022")	R	297-421CV
Universal Bicuspid with Hook	0.46mm	L	297-285CV
Torque -7°	(.018")	R	297-284CV
Tip 0°	0.56mm	L	297-287CV
In/Out Comp. .027"	(.022")	R	297-286CV

Order individual brackets by placing a "U" in front of the item number.
Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors Narrow	0.46mm	L/R	297-354CV
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-355CV
	(.022")		
Cuspid with Distal Hook	0.46mm	L	297-446CV
Torque 0°	(.018")	R	297-447CV
Tip +3°	0.56mm	L	297-448CV
	(.022")	R	297-449CV
1st Bicuspid with Hook	0.46mm	L	297-296CV
Torque -12°	(.018")	R	297-297CV
Tip 0°	0.56mm	L	297-298CV
	(.022")	R	297-299CV
2nd Bicuspid with Hook	0.46mm	L	297-288CV
Torque -17°	(.018")	R	297-289CV
Tip 0°	0.56mm	L	297-290CV
	(.022")	R	297-291CV

Order individual brackets by placing a "U" in front of the item number.
Package of 5

ClearVu® Mini Ceramic Brackets with Pre-Applied Adhesive

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	Cuspid	297-100CVX	297-101CVX
Upper 5-5	Cuspid/Bicuspid	297-404CVX	297-405CVX
Upper & Lower 3-3	Cuspid	297-102CVX	297-103CVX
Upper & Lower 5-5	Cuspid/Bicuspid	297-406CVX	297-407CVX



Patented

297-490CVX Bi-Dimensional Brackets with Hooks

.018" centrals and laterals with .022" cuspids and bicuspids
Kit contains 20 brackets.

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-138CVX
Torque +14°	(.018")	R	297-139CVX
Tip +5°	0.56mm	L	297-150CVX
	(.022")	R	297-151CVX
Lateral	0.46mm	L	297-148CVX
Torque +7°	(.018")	R	297-149CVX
Tip +8°	0.56mm	L	297-152CVX
	(.022")	R	297-153CVX
Cuspid with Distal Hook	0.46mm	L	297-418CVX
Torque 0°	(.018")	R	297-419CVX
Tip +8°	0.56mm	L	297-420CVX
	(.022")	R	297-421CVX
Bicuspid with Hook	0.46mm	L	297-284CVX
Torque -7°	(.018")	R	297-285CVX
Tip 0°	0.56mm	L	297-286CVX
	(.022")	R	297-287CVX

Order individual brackets by placing a "U" in front of the item number.
Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm	L/R	297-169CVX
Torque -1°	(.018")		
Tip 0°	0.56mm	L/R	297-160CVX
	(.022")		
Cuspid with Distal Hook	0.46mm	L	297-426CVX
Torque -11°	(.018")	R	297-427CVX
Tip +6°	0.56mm	L	297-428CVX
	(.022")	R	297-429CVX
1st Bicuspid with Hook	0.46mm	L	297-288CVX
Torque -17°	(.018")	R	297-289CVX
Tip 0°	0.56mm	L	297-290CVX
	(.022")	R	297-291CVX
2nd Bicuspid with Hook	0.46mm	L	297-292CVX
Torque -22°	(.018")	R	297-293CVX
Tip 0°	0.56mm	L	297-294CVX
	(.022")	R	297-295CVX

Order individual brackets by placing a "U" in front of the item number.
Package of 5

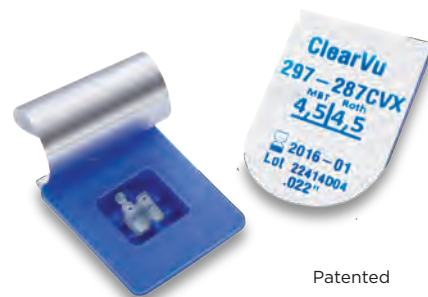
ClearVu® Mini Ceramic Brackets with Pre-Applied Adhesive

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	Cuspid	297-380CVX	297-381CVX
Upper 5-5	Cuspid/Bicuspid	297-408CVX	297-409CVX
Upper & Lower 3-3	Cuspid	297-382CVX	297-383CVX
Upper & Lower 5-5	Cuspid/Bicuspid	297-410CVX	297-411CVX

Kits contain maxillary first and second bicuspids with .027" in/out compensation.



Patented

297-495CVX Bi-Dimensional Brackets with Hooks

.018" centrals and laterals with .022" cuspids and bicuspids

Kit contains 20 brackets.

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-310CVX
Torque +17°	(.018")	R	297-311CVX
Tip +4°	0.56mm	L	297-312CVX
	(.022")	R	297-313CVX
Lateral	0.46mm	L	297-314CVX
Torque +10°	(.018")	R	297-315CVX
Tip +8°	0.56mm	L	297-316CVX
	(.022")	R	297-317CVX
Cuspid with Distal Hook	0.46mm	L	297-418CVX
Torque 0°	(.018")	R	297-419CVX
Tip +8°	0.56mm	L	297-420CVX
	(.022")	R	297-421CVX
Bicuspid with Hook	0.46mm	L	297-285CVX
Torque -7°	(.018")	R	297-284CVX
Tip 0°	0.56mm	L	297-287CVX
In/Out Comp. .027"	(.022")	R	297-286CVX

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors Narrow	0.46mm	L/R	297-354CVX
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-355CVX
	(.022")		
Cuspid with Distal Hook	0.46mm	L	297-446CVX
Torque 0°	(.018")	R	297-447CVX
Tip +3°	0.56mm	L	297-448CVX
	(.022")	R	297-449CVX
1st Bicuspid with Hook	0.46mm	L	297-296CVX
Torque -12°	(.018")	R	297-297CVX
Tip 0°	0.56mm	L	297-298CVX
	(.022")	R	297-299CVX
2nd Bicuspid with Hook	0.46mm	L	297-288CVX
Torque -17°	(.018")	R	297-289CVX
Tip 0°	0.56mm	L	297-290CVX
In/Out Comp. .047"	(.022")	R	297-291CVX

Package of 5

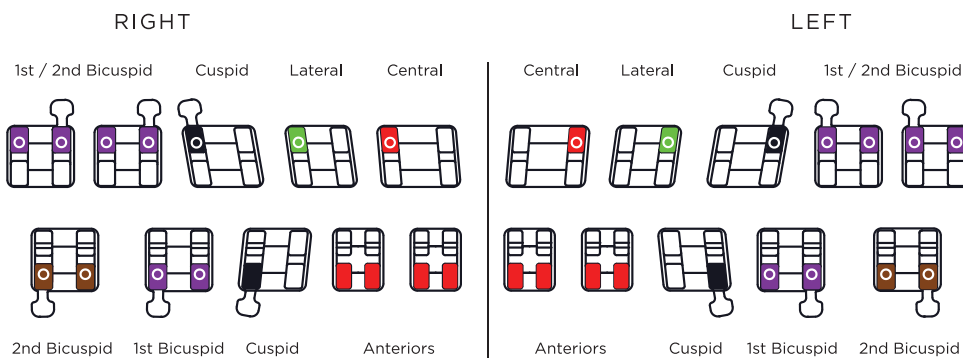
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CLEARVU®

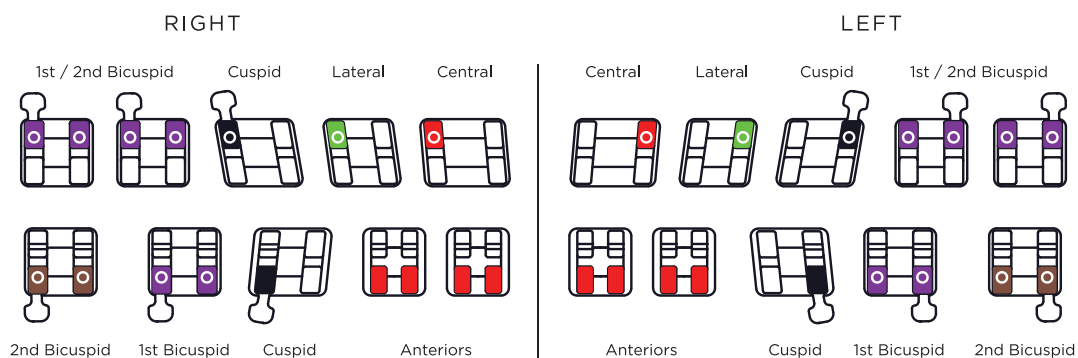
Mini Ceramic Brackets



BRACKET ID CHART - ClearVu Roth



BRACKET ID CHART - ClearVu MBT



InVu® Mini Ceramic Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	No Hooks	297-106	297-110
Upper 5-5	Cuspid	297-060	297-065
Upper 5-5	Cuspid/Bicuspid	297-404	297-405
Upper 5-5	No Hooks	297-107	297-111
Upper & Lower 3-3	No Hooks	297-108	297-112
Upper & Lower 5-5	Cuspid	297-070	297-075
Upper & Lower 5-5	Cuspid/Bicuspid	297-406	297-407
Upper & Lower 5-5	No Hooks	297-109	297-113

Kits contain maxillary first and second bicuspids with .027" in/out compensation.



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MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-138
Torque +14°	(.018")	R	297-139
Tip +5°	0.56mm	L	297-150
	(.022")	R	297-151
Lateral	0.46mm	L	297-148
Torque +7°	(.018")	R	297-149
Tip +8°	0.56mm	L	297-152
	(.022")	R	297-153
Cuspid without Hook	0.46mm	L	297-158
Torque 0°	(.018")	R	297-159
Tip +8°	0.56mm	L	297-154
	(.022")	R	297-155
Cuspid with Distal Hook	0.46mm	L	297-418
Torque 0°	(.018")	R	297-419
Tip +8°	0.56mm	L	297-420
	(.022")	R	297-421
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226M
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228M
	(.022")		
Universal Bicuspid w/ Hook	0.46mm	L	297-284M
Torque -7°	(.018")	R	297-285M
Tip 0°	0.56mm	L	297-286M
	(.022")	R	297-287M

Order individual brackets by placing a "U" in front of the item number.
Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm	L/R	297-169
Torque -1°	(.018")		
Tip 0°	0.56mm	L/R	297-160
	(.022")		
Cuspid without Hook	0.46mm	L	297-176
Torque -11°	(.018")	R	297-177
Tip +6°	0.56mm	L	297-174
	(.022")	R	297-175
Cuspid with Distal Hook	0.46mm	L	297-426
Torque -11°	(.018")	R	297-427
Tip +6°	0.56mm	L	297-428
	(.022")	R	297-429
1st Bicuspid without Hook	0.46mm	L/R	297-182M
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-184M
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-288M
Torque -17°	(.018")	R	297-289M
Tip 0°	0.56mm	L	297-290M
	(.022")	R	297-291M
2nd Bicuspid without Hook	0.46mm	L/R	297-186M
Torque -22°	(.018")		
Tip 0°	0.56mm	L/R	297-188M
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-292M
Torque -22°	(.018")	R	297-293M
Tip 0°	0.56mm	L	297-294M
	(.022")	R	297-295M

Order individual brackets by placing a "U" in front of the item number.
Package of 5

InVu® Ceramic Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	Cuspid	297-120	297-121
Upper 5-5	Cuspid	297-124	297-125
Upper 5-5	Cuspid/Bicuspid	297-126	297-127
Upper & Lower 3-3	Cuspid	297-132	297-133
Upper & Lower 5-5	Cuspid	297-136	297-137
Upper & Lower 5-5	Cuspid/Bicuspid	297-128	297-129
Kits combine ceramic with metal* brackets			
Up. 3-3 Ceramic & Up. 4-5 Metal with Lo. 5-5 Metal	Cuspid	297-040	297-045
Up. 4-4 Ceramic & Up. 5 Metal with Lo. 3-3 Ceramic & Lo. 4-5 Metal	Cuspid	297-056	297-057
Up. 5-5 Ceramic with Lo. 5-5 Metal	Cuspid	297-050	297-055

*Nu-Edge Cobalt Chromium brackets.



MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-140
Torque +14°	(.018")	R	297-141
Tip +5°	0.56mm	L	297-142
	(.022")	R	297-143
Lateral	0.46mm	L	297-144
Torque +7°	(.018")	R	297-145
Tip +8°	0.56mm	L	297-146
	(.022")	R	297-147
Cuspid with Distal Hook	0.46mm	L	297-222
Torque 0°	(.018")	R	297-223
Tip +8°	0.56mm	L	297-224
	(.022")	R	297-225
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228
	(.022")		
Universal Bicuspid with Hook	0.46mm	L	297-284
Torque -7°	(.018")	R	297-285
Tip 0°	0.56mm	L	297-286
	(.022")	R	297-287

Order individual brackets by placing a "U" in front of the item number.

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm	L/R	297-170
Torque -1°	(.018")		
Tip 0°	0.56mm	L/R	297-172
	(.022")		
Cuspid with Distal Hook	0.46mm	L	297-178
Torque -11°	(.018")	R	297-179
Tip +6°	0.56mm	L	297-180
	(.022")	R	297-181
1st Bicuspid without Hook	0.46mm	L/R	297-182
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-184
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-288
Torque -17°	(.018")	R	297-289
Tip 0°	0.56mm	L	297-290
	(.022")	R	297-291
2nd Bicuspid without Hook	0.46mm	L/R	297-186
Torque -22°	(.018")		
Tip 0°	0.56mm	L/R	297-188
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-292
Torque -22°	(.018")	R	297-293
Tip 0°	0.56mm	L	297-294
	(.022")	R	297-295

Order individual brackets by placing a "U" in front of the item number.

Package of 5

InVu® Mini Ceramic Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	No Hooks	297-391	297-393
Upper 5-5	Cuspid	297-394	297-396
Upper 5-5	Cuspid/Bicuspid	297-408	297-409
Upper 5-5	No Hooks	297-395	297-397
Upper & Lower 3-3	No Hooks	297-303	297-304
Upper & Lower 5-5	Cuspid	297-306	297-308
Upper & Lower 5-5	Cuspid/Bicuspid	297-410	297-411
Upper & Lower 5-5	No Hooks	297-307	297-309

Kits contain maxillary first and second bicuspids with .027" in/out compensation.



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MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-310
Torque +17°	(.018")	R	297-311
Tip +4°	0.56mm	L	297-312
	(.022")	R	297-313
Lateral	0.46mm	L	297-314
Torque +10°	(.018")	R	297-315
Tip +8°	0.56mm	L	297-316
	(.022")	R	297-317
Cuspid without Hook	0.46mm	L	297-318
Torque -7°	(.018")	R	297-319
Tip +8°	0.56mm	L	297-320
	(.022")	R	297-321
Cuspid with Distal Hook	0.46mm	L	297-418
Torque 0°	(.018")	R	297-419
Tip +8°	0.56mm	L	297-420
	(.022")	R	297-421
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226M
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228M
	(.022")		
Universal Bicuspid w Hook	0.46mm	L	297-285M
Torque -7°	(.018")	R	297-284M
Tip 0°	0.56mm	L	297-287M
	(.022")	R	297-286M

Order individual brackets by placing a "U" in front of the item number.

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm	L/R	297-354
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-355
	(.022")		
Cuspid without Hook	0.46mm	L	297-356
Torque -6°	(.018")	R	297-357
Tip +3°	0.56mm	L	297-358
	(.022")	R	297-359
Cuspid with Distal Hook	0.46mm	L	297-446
Torque 0°	(.018")	R	297-447
Tip +3°	0.56mm	L	297-448
	(.022")	R	297-449
1st Bicuspid without Hook	0.46mm	L/R	297-264M
Torque -12°	(.018")		
Tip 0°	0.56mm	L/R	297-266M
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-296M
Torque -12°	(.018")	R	297-297M
Tip 0°	0.56mm	L	297-298M
	(.022")	R	297-299M
2nd Bicuspid without Hook	0.46mm	L/R	297-272M
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-274M
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-288M
Torque -17°	(.018")	R	297-289M
Tip 0°	0.56mm	L	297-290M
	(.022")	R	297-291M

Order individual brackets by placing a "U" in front of the item number.

Package of 5

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InVu® Ceramic Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	Cuspid	297-190	297-192
	No Hooks	297-191	297-193
Upper 5-5	Cuspid	297-194	297-196
	Cuspid/Bicuspid	297-400	297-401
Upper & Lower 3-3	No Hooks	297-195	297-197
	Cuspid	297-202	297-204
Upper & Lower 5-5	No Hooks	297-203	297-205
	Cuspid	297-206	297-208
	Cuspid/Bicuspid	297-402	297-403
	No Hooks	297-207	297-209
Kits combine ceramic with metal* brackets			
Up. 3-3 Ceramic & Up. 4-5 Metal with Lo. 5-5 Metal	Cuspid	297-020	297-025
Up. 4-4 Ceramic & Up. 5-5 Metal with Lo. 3-3 Ceramic & Lo. 4-5 Metal	Cuspid	297-036	297-037
Up. 4-4 Ceramic & Up. 5-5 Metal with Lo. 3-3 Ceramic & Lo. 4-5 Metal	No Hooks	297-038	297-039
Up. 5-5 Ceramic with Lo. 5-5 Metal	Cuspid	297-030	297-035

Kits contain maxillary first and second bicuspids with .027" in/out compensation.

*Nu-Edge Cobalt Chromium brackets.



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MAXILLARY BRACKETS

	Slot Size	Left/ Right	Bondable
Central	0.46mm	L	297-210
Torque +17°	(.018")	R	297-211
Tip +4°	0.56mm	L	297-212
	(.022")	R	297-213
Lateral	0.46mm	L	297-214
Torque +10°	(.018")	R	297-215
Tip +8°	0.56mm	L	297-216
	(.022")	R	297-217
Cuspid without Hook	0.46mm	L	297-218
Torque -7°	(.018")	R	297-219
Tip +8°	0.56mm	L	297-220
	(.022")	R	297-221
Cuspid with Distal Hook	0.46mm	L	297-222
Torque 0°	(.018")	R	297-223
Tip +8°	0.56mm	L	297-224
	(.022")	R	297-225
Universal Bicuspid without Hook	0.46mm	L/R	297-226
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228
In/Out Comp. .027"	(.022")		
Universal Bicuspid with Hook	0.46mm	L	297-285
Torque -7°	(.018")	R	297-284
Tip 0°	0.56mm	L	297-287
In/Out Comp. .027"	(.022")	R	297-286

Order individual brackets by placing a "U" in front of the item number.
Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable
Anteriors Narrow	0.46mm	L/R	297-254
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-255
	(.022")		
Anteriors Wide	0.46mm	L/R	297-236
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-237
	(.022")		
Cuspid without Hook	0.46mm	L	297-256
Torque -6°	(.018")	R	297-257
Tip +3°	0.56mm	L	297-258
	(.022")	R	297-259
Cuspid with Distal Hook	0.46mm	L	297-260
Torque 0°	(.018")	R	297-261
Tip +3°	0.56mm	L	297-262
	(.022")	R	297-263
1st Bicuspid without Hook	0.46mm	L/R	297-264
Torque -12°	(.018")		
Tip 0°	0.56mm	L/R	297-266
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-296
Torque -12°	(.018")	R	297-297
Tip 0°	0.56mm	L	297-298
	(.022")	R	297-299
2nd Bicuspid without Hook	0.46mm	L/R	297-272
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-274
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-288
Torque -17°	(.018")	R	297-289
Tip 0°	0.56mm	L	297-290
	(.022")	R	297-291

Order individual brackets by placing a "U" in front of the item number.
Package of 5

InVu® Ceramic Brackets

Standard Edgewise System

PATIENT KITS

	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets without cuspid hooks		
Upper 3-3	297-960	297-961
Upper 5-5	297-962	297-963
Upper & Lower 5-5	297-964	297-965



Patented

MAXILLARY BRACKETS

	Slot Size	Left/ Right	Bondable
Central	0.46mm	L/R	297-905
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-906
	(.022")		
Lateral	0.46mm	L/R	297-911
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-912
	(.022")		
Cuspid	0.46mm	L/R	297-929
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-930
	(.022")		
Bicuspid without Hook	0.46mm	L/R	297-939
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-940
	(.022")		

Order individual brackets by placing a "U" in front of the item number.

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable
Anteriors	0.46mm	L/R	297-933
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-934
	(.022")		
Cuspid	0.46mm	L/R	297-929
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-930
	(.022")		
Bicuspid without Hook	0.46mm	L/R	297-941
Torque +0°	(.018")		
Tip +0°	0.56mm	L/R	297-942
	(.022")		

Order individual brackets by placing a "U" in front of the item number.

Package of 5

InVu® Mini Ceramic Brackets with Pre-Applied Adhesive

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 5-5	Cuspid	297-060RBX	297-065RBX
Upper 5-5	Cuspid/Bicuspid	297-404RBX	297-405RBX
Upper 5-5	No Hooks	297-107RBX	297-111RBX
Upper & Lower 5-5	Cuspid	297-070RBX	297-075RBX
Upper & Lower 5-5	Cuspid/Bicuspid	297-406RBX	297-407RBX
Upper & Lower 5-5	No Hooks	297-109RBX	297-113RBX



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MAXILLARY BRACKETS — MINI

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-138RBX
Torque +14°	(.018")	R	297-139RBX
Tip +5°	0.56mm	L	297-150RBX
	(.022")	R	297-151RBX
Lateral	0.46mm	L	297-148RBX
Torque +7°	(.018")	R	297-149RBX
Tip +8°	0.56mm	L	297-152RBX
	(.022")	R	297-153RBX
Cuspid without Hook	0.46mm	L	297-158RBX
Torque +0°	(.018")	R	297-159RBX
Tip +8°	0.56mm	L	297-154RBX
	(.022")	R	297-155RBX
Cuspid with Distal Hook	0.46mm	L	297-418RBX
Torque +0°	(.018")	R	297-419RBX
Tip +8°	0.56mm	L	297-420RBX
	(.022")	R	297-421RBX
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226MRX
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228MRX
	(.022")		
Bicuspid with Hook	0.46mm	L	297-284MRX
Torque -7°	(.018")	R	297-285MRX
Tip 0°	0.56mm	L	297-286MRX
	(.022")	R	297-287MRX

Package of 5

MANDIBULAR BRACKETS — MINI

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm	L/R	297-169RBX
Torque -1°	(.018")		
Tip 0°	0.56mm	L/R	297-160RBX
	(.022")		
Cuspid without Hook	0.46mm	L	297-176RBX
Torque -11°	(.018")	R	297-177RBX
Tip +6°	0.56mm	L	297-174RBX
	(.022")	R	297-175RBX
Cuspid with Distal Hook	0.46mm	L	297-426RBX
Torque -11°	(.018")	R	297-427RBX
Tip +6°	0.56mm	L	297-428RBX
	(.022")	R	297-429RBX
1st Bicuspid without Hook	0.46mm	L/R	297-182MRX
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-184MRX
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-288MRX
Torque -17°	(.018")	R	297-289MRX
Tip 0°	0.56mm	L	297-290MRX
	(.022")	R	297-291MRX
2nd Bicuspid without Hook	0.46mm	L/R	297-186MRX
Torque -22°	(.018")		
Tip 0°	0.56mm	L/R	297-188MRX
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-292MRX
Torque -22°	(.018")	R	297-293MRX
Tip 0°	0.56mm	L	297-294MRX
	(.022")	R	297-295MRX

Package of 5

InVu® Ceramic Brackets with Pre-Applied Adhesive

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 5-5	Cuspid	297-124RBX	297-125RBX
Upper 5-5	Cuspid/Bicuspid	297-126RBX	297-127RBX
Upper & Lower 5-5	Cuspid	297-136RBX	297-137RBX
Upper & Lower 5-5	Cuspid/Bicuspid	297-128RBX	297-129RBX



Patented

MAXILLARY BRACKETS

	Slot Size	Left/ Right	Bondable
Central	0.46mm	L	297-140RBX
Torque +14°	(.018")	R	297-141RBX
Tip +5°	0.56mm	L	297-142RBX
	(.022")	R	297-143RBX
Lateral	0.46mm	L	297-144RBX
Torque +7°	(.018")	R	297-145RBX
Tip +8°	0.56mm	L	297-146RBX
	(.022")	R	297-147RBX
Cuspid with Distal Hook	0.46mm	L	297-222RBX
Torque 0°	(.018")	R	297-223RBX
Tip +8°	0.56mm	L	297-224RBX
	(.022")	R	297-225RBX
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226RBX
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228RBX
	(.022")		
Bicuspid with Hook	0.46mm	L	297-284RBX
Torque -7°	(.018")	R	297-285RBX
Tip 0°	0.56mm	L	297-286RBX
	(.022")	R	297-287RBX

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable
Anteriors	0.46mm	L/R	297-170RBX
Torque -1°	(.018")		
Tip 0°	0.56mm	L/R	297-172RBX
	(.022")		
Cuspid with Distal Hook	0.46mm	L	297-178RBX
Torque -11°	(.018")	R	297-179RBX
Tip +6°	0.56mm	L	297-180RBX
	(.022")	R	297-181RBX
1st Bicuspid without Hook	0.46mm	L/R	297-182RBX
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-184RBX
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-288RBX
Torque -17°	(.018")	R	297-289RBX
Tip 0°	0.56mm	L	297-290RBX
	(.022")	R	297-291RBX
2nd Bicuspid without Hook	0.46mm	L/R	297-186RBX
Torque -22°	(.018")		
Tip 0°	0.56mm	L/R	297-188RBX
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-292RBX
Torque -22°	(.018")	R	297-293RBX
Tip 0°	0.56mm	L	297-294RBX
	(.022")	R	297-295RBX

Package of 5

InVu® Mini Ceramic Brackets with Pre-Applied Adhesive

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 3-3	No Hooks	297-391RBX	297-393RBX
Upper 5-5	Cuspid	297-394RBX	297-396RBX
Upper 5-5	Cuspid/Bicuspid	297-408RBX	297-409RBX
Upper 5-5	No Hooks	297-395RBX	297-397RBX
Upper & Lower 3-3	No Hooks	297-303RBX	297-304RBX
Upper & Lower 5-5	Cuspid	297-306RBX	297-308RBX
Upper & Lower 5-5	Cuspid/Bicuspid	297-410RBX	297-411RBX
Upper & Lower 5-5	No Hooks	297-307RBX	297-309RBX



Patented

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm	L	297-310RBX
Torque +17°	(.018")	R	297-311RBX
Tip +4°	0.56mm	L	297-312RBX
	(.022")	R	297-313RBX
Lateral	0.46mm	L	297-314RBX
Torque +10°	(.018")	R	297-315RBX
Tip +8°	0.56mm	L	297-316RBX
	(.022")	R	297-317RBX
Cuspid without Hook	0.46mm	L	297-318RBX
Torque -7°	(.018")	R	297-319RBX
Tip +8°	0.56mm	L	297-320RBX
	(.022")	R	297-321RBX
Cuspid with Distal Hook	0.46mm	L	297-418RBX
Torque +0°	(.018")	R	297-419RBX
Tip +8°	0.56mm	L	297-420RBX
	(.022")	R	297-421RBX
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226MRX
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228MRX
	(.022")		
Bicuspid with Hook	0.46mm	L	297-285MRX
Torque -7°	(.018")	R	297-284MRX
Tip 0°	0.56mm	L	297-287MRX
	(.022")	R	297-286MRX

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm	L/R	297-354RBX
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-355RBX
	(.022")		
Cuspid without Hook	0.46mm	L	297-356RBX
Torque -6°	(.018")	R	297-357RBX
Tip +3°	0.56mm	L	297-358RBX
	(.022")	R	297-359RBX
Cuspid with Distal Hook	0.46mm	L	297-446RBX
Torque 0°	(.018")	R	297-447RBX
Tip +3°	0.56mm	L	297-448RBX
	(.022")	R	297-449RBX
1st Bicuspid without Hook	0.46mm	L/R	297-264MRX
Torque -12°	(.018")		
Tip 0°	0.56mm	L/R	297-266MRX
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-296MRX
Torque -12°	(.018")	R	297-297MRX
Tip 0°	0.56mm	L	297-298MRX
	(.022")	R	297-299MRX
2nd Bicuspid without Hook	0.46mm	L/R	297-272MRX
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-274MRX
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-288MRX
Torque -17°	(.018")	R	297-289MRX
Tip 0°	0.56mm	L	297-290MRX
	(.022")	R	297-291MRX

Package of 5

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InVu® Ceramic Brackets with Pre-Applied Adhesive

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 5-5	Cuspid	297-194RBX	297-196RBX
	Cuspid/Bicuspid	297-400RBX	297-401RBX
Upper & Lower 5-5	Cuspid	297-206RBX	297-208RBX
	Cuspid/Bicuspid	297-402RBX	297-403RBX
	No Hooks	297-207RBX	297-209RBX

Kits contain maxillary first and second bicuspids with .027" in/out compensation.



Patented

MAXILLARY BRACKETS

	Slot Size	Left/ Right	Bondable
Central	0.46mm	L	297-210RBX
Torque +17°	(.018")	R	297-211RBX
Tip +4°	0.56mm	L	297-212RBX
	(.022")	R	297-213RBX
Lateral	0.46mm	L	297-214RBX
Torque +10°	(.018")	R	297-215RBX
Tip +8°	0.56mm	L	297-216RBX
	(.022")	R	297-217RBX
Cuspid without Hook	0.46mm	L	297-218RBX
Torque -7°	(.018")	R	297-219RBX
Tip +8°	0.56mm	L	297-220RBX
	(.022")	R	297-221RBX
Cuspid with Distal Hook	0.46mm	L	297-222RBX
Torque 0°	(.018")	R	297-223RBX
Tip +8°	0.56mm	L	297-224RBX
	(.022")	R	297-225RBX
Universal Bicuspid w/o Hook	0.46mm	L/R	297-226RBX
Torque -7°	(.018")		
Tip 0°	0.56mm	L/R	297-228RBX
In/Out Comp. .027"	(.022")		
Bicuspid with Hook	0.46mm	L	297-285RBX
Torque -7°	(.018")	R	297-284RBX
Tip 0°	0.56mm	L	297-287RBX
In/Out Comp. .027"	(.022")	R	297-286RBX

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable
Anteriors Narrow	0.46mm	L/R	297-254RBX
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-255RBX
	(.022")		
Anteriors Wide	0.46mm	L/R	297-236RBX
Torque -6°	(.018")		
Tip 0°	0.56mm	L/R	297-237RBX
	(.022")		
Cuspid without Hook	0.46mm	L	297-256RBX
Torque -6°	(.018")	R	297-257RBX
Tip +3°	0.56mm	L	297-258RBX
	(.022")	R	297-259RBX
Cuspid with Distal Hook	0.46mm	L	297-260RBX
Torque 0°	(.018")	R	297-261RBX
Tip +3°	0.56mm	L	297-262RBX
	(.022")	R	297-263RBX
1st Bicuspid without Hook	0.46mm	L/R	297-264RBX
Torque -12°	(.018")		
Tip 0°	0.56mm	L/R	297-266RBX
	(.022")		
1st Bicuspid with Hook	0.46mm	L	297-296RBX
Torque -12°	(.018")	R	297-297RBX
Tip 0°	0.56mm	L	297-298RBX
	(.022")	R	297-299RBX
2nd Bicuspid without Hook	0.46mm	L/R	297-272RBX
Torque -17°	(.018")		
Tip 0°	0.56mm	L/R	297-274RBX
	(.022")		
2nd Bicuspid with Hook	0.46mm	L	297-288RBX
Torque -17°	(.018")	R	297-289RBX
Tip 0°	0.56mm	L	297-290RBX
	(.022")	R	297-291RBX

Package of 5

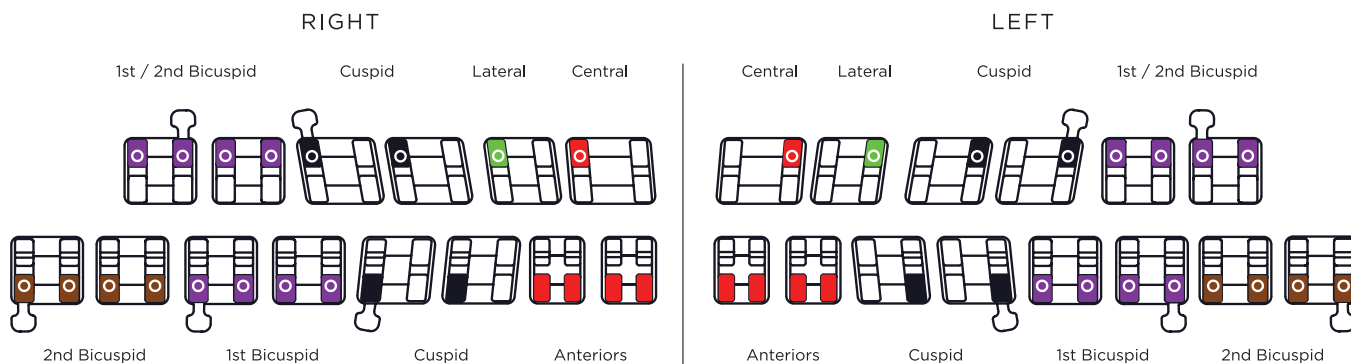
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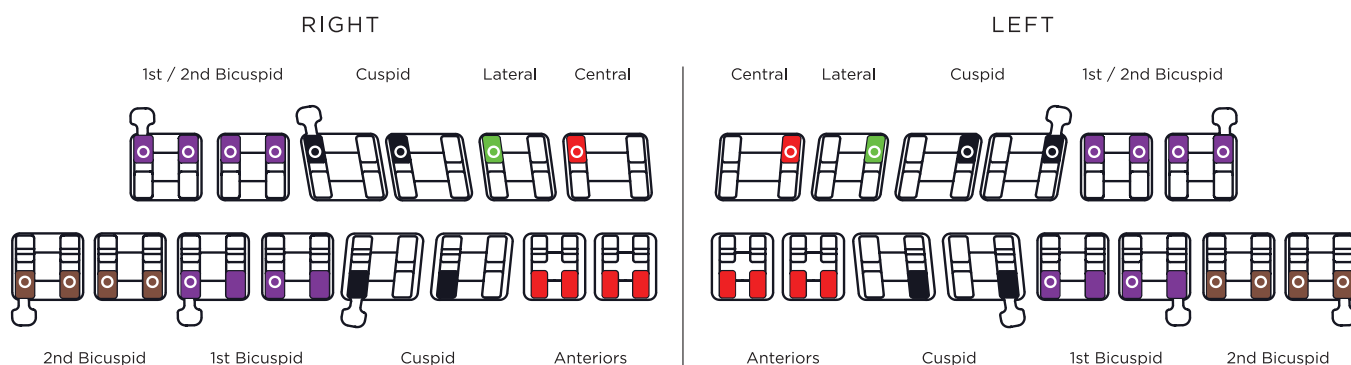
Ceramic Brackets



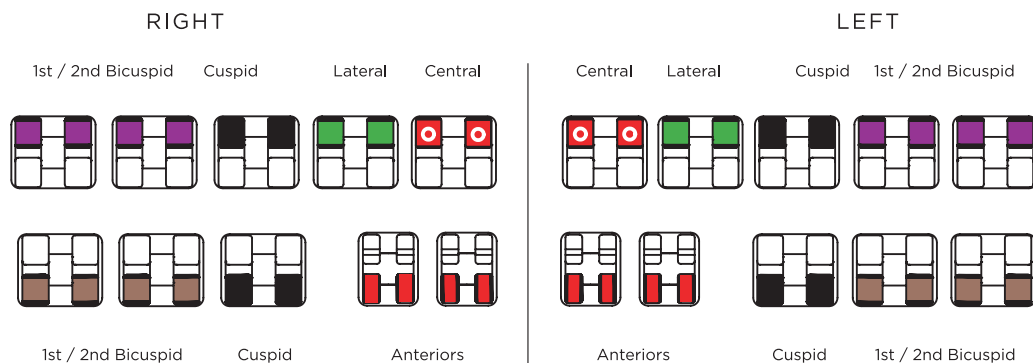
BRACKET ID CHART - InVu Roth



BRACKET ID CHART - InVu MBT



BRACKET ID CHART - InVu Standard Edgewise



Click-It® Self-Ligating Aesthetic Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Cuspid Hooks	0.56mm (.022") Slot
Upper 5-5	Yes	299-000
	No	299-001
Upper & Lower 5-5	Yes	299-002
	No	299-003



Patented

MAXILLARY BRACKETS

	Slot Size	Left/ Right	Bondable
Central	0.56mm	L	299-012
Torque +17°	(.022")	R	299-013
Tip +4°			
Lateral	0.56mm	L	299-016
Torque +10°	(.022")	R	299-017
Tip +8°			
Cuspid without Hook	0.56mm	L	299-020
Torque 0°	(.022")	R	299-021
Tip +8°			
Cuspid with Distal Hook	0.56mm	L	299-024
Torque 0°	(.022")	R	299-025
Tip +8°			
Universal Bicuspid without Hook	0.56mm L/R		299-028
Torque -7°	(.022")		
Tip 0°			

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable
Anteriors Narrow	0.56mm	L/R	299-055
Torque -6°	(.022")		
Tip 0°			
Cuspid without Hook	0.56mm	L	299-058
Torque 0°	(.022")	R	299-059
Tip +3°			
Cuspid with Distal Hook	0.56mm	L	299-062
Torque 0°	(.022")	R	299-063
Tip +3°			
1st Bicuspid without Hook	0.56mm	L	299-066
Torque -12°	(.022")	R	299-067
Tip 0°			
2nd Bicuspid without Hook	0.56mm	L	299-074
Torque -17°	(.022")	R	299-075
Tip 0°			

Package of 5

Forceps

Note: Forceps are required for use of the Click-It Self Ligating Bracket System. More information can be found on page 162.

100-198 Click-It Forceps Assembly

Each

100-098 Click-It Forceps Assembly, Angled, includes release tips

Each

100-199 Click-It Release Tips (5 Left, 5 Right)

Package of 10

100-200 Click-It Insertion Tips

Package of 5

100-099 Click-It Release Tips, Angled, 45° (5 Left, 5 Right)

Package of 10



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CLICK-IT[®]

Aesthetic Self-Ligating Brackets



BRACKET ID CHART - Click-It MBT

RIGHT						LEFT					
2nd Bicuspid	1st Bicuspid	Cuspid	Lateral	Central		Central	Lateral	Cuspid	1st Bicuspid	2nd Bicuspid	
2nd Bicuspid	1st Bicuspid	Cuspid		Anteriors		Anteriors		Cuspid	1st Bicuspid	2nd Bicuspid	

Tip-Edge PLUS[®] Ceramic Brackets

PATIENT KITS

	Slot Size	Non-Oriented	Oriented Incisal Jig
Kits contain all ceramic brackets			
Upper 3-3	0.56mm	297-675	297-598
Upper & Lower 3-3	(.022")		297-599
Upper 5-5 Non-extraction		297-677	297-600
Upper & Lower 5-5 Non-extraction		297-678	297-602
Lower 3-3			297-604
Lower 5-5 Non-extraction			297-605

	Slot Size	Non-Oriented	Oriented Incisal Jig
Kits combine ceramic with metal brackets			
Up. 3-3 Ceramic & Up. 4-5 Metal with Lo. 5-5 Metal Non-extraction	0.56mm (.022")	297-608	297-610
Up. 5-5 Ceramic with Lo. 5-5 Metal Non-extraction	0.56mm (.022")	297-612	297-614

Non-extraction kits contain 20 bondable brackets, extraction kits have 16 brackets.

MAXILLARY BRACKETS

	Slot Size	Left/Right	Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green
Central							
Torque +12°	0.56mm	L	297-611N		297-639	297-655	
Tip +5°	(.022")	R	297-612N		297-640	297-656	
Lateral							
Torque +8°	0.56mm	L	297-613N	297-629	297-641		
Tip +9°	(.022")	R	297-614N	297-630	297-642		
Cuspid							
Torque -2°	0.56mm	L	297-615		297-643	297-659	297-671
Tip +11°	(.022")	R	297-616		297-644	297-660	297-672
Bicuspid							
Torque -7°	0.56mm	CCW	297-617	297-631	297-645	297-661	
Tip 0°	(.022")	CW	297-618	297-632	297-646	297-662	

Package of 5

MANDIBULAR BRACKETS

Anterior							
Torque -1°	0.56mm	L	297-619	297-633	297-647		
Tip 0°	(.022")	R	297-620	297-634	297-648		
Cuspid							
Torque -11°	0.56mm	L	297-623		297-651	297-667	297-673
Tip +5°	(.022")	R	297-624		297-652	297-668	297-674
Bicuspid							
Torque -20°	0.56mm	CCW	297-625	297-637	297-653	297-669	
Tip 0°	(.022")	CW	297-626	297-638	297-654	297-670	

Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, bicuspid 4mm.
Mandibular anteriors 3.5mm, cuspids 4mm, bicuspid 4mm.

Package of 5

Tip-Edge PLUS[®] Ceramic Brackets with Pre-Applied Adhesive

PATIENT KITS

	Slot Size	Non-Oriented	Oriented Incisal Jig
Kits contain all ceramic brackets			
Upper & Lower 5-5	0.56mm	RB297-678	RB297-602
Non-extraction	(.022")		



Patented

MAXILLARY BRACKETS

	Slot Size	Left/Right	Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow
Central						
Torque +12°	0.56mm	L	RB297-611N		RB297-639	
Tip +5°	(.022")	R	RB297-612N		RB297-640	
Lateral						
Torque +8°	0.56mm	L	RB297-613N	RB297-629		
Tip +9°	(.022")	R	RB297-614N	RB297-630		
Cuspid						
Torque -2°	0.56mm	L	RB297-615			RB297-659
Tip +11°	(.022")	R	RB297-616			RB297-660
Bicuspid						
Torque -7°	0.56mm	CCW	RB297-617		RB297-645	
Tip 0°	(.022")	CW	RB297-618		RB297-646	

Package of 5

MANDIBULAR BRACKETS

Anterior						
Torque -1°	0.56mm	L	RB297-619	RB297-633		
Tip 0°	(.022")	R	RB297-620	RB297-634		
Cuspid						
Torque -11°	0.56mm	L	RB297-623		RB297-651	
Tip +5°	(.022")	R	RB297-624		RB297-652	
Bicuspid						
Torque -20°	0.56mm	CCW	RB297-625		RB297-653	
Tip 0°	(.022")	CW	RB297-626		RB297-654	

Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, bicuspid 4mm.
Mandibular anteriors 3.5mm, cuspids 4mm, bicuspid 4mm.

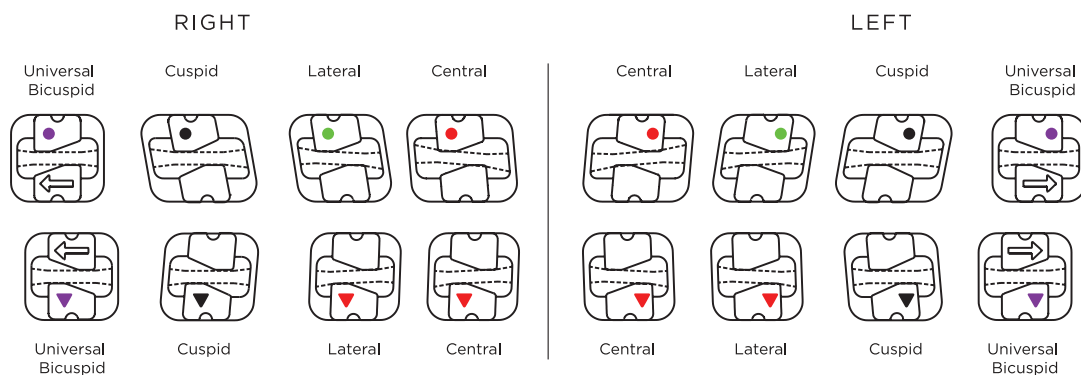
Package of 5

Tip-Edge PLUS®

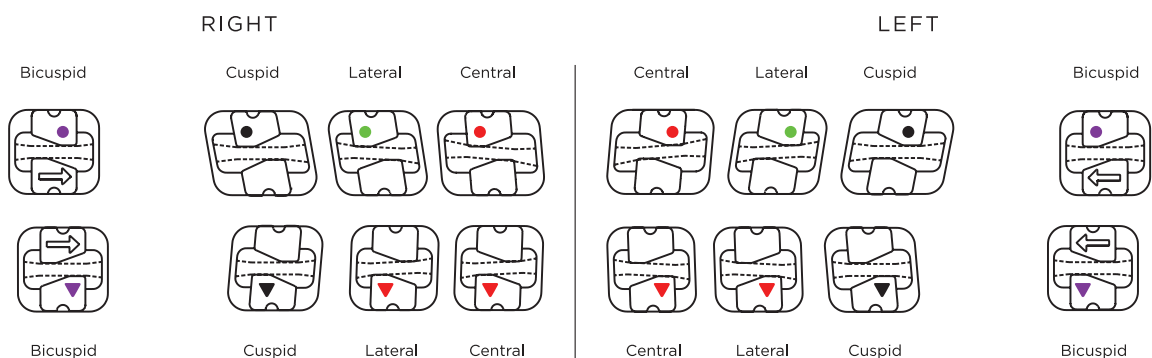
Ceramic Brackets



BRACKET ID CHART - Tip-Edge PLUS Non-Extraction



BRACKET ID CHART - Tip-Edge PLUS Extraction



Circles identify the upper brackets and triangles identify the lower brackets. Arrows on the bicuspid represent the direction crowns should tip during initial treatment – either clockwise or counterclockwise. The bonding pad shape also points toward the direction of desired crown tipping.

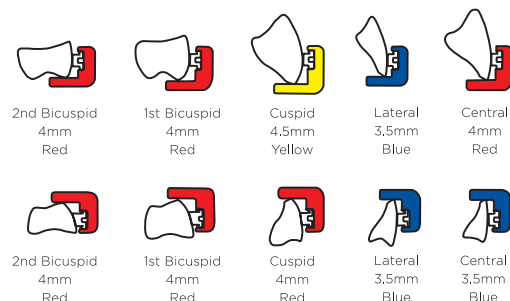
Positioning Jigs

Incisal jigs are designed to help with accurate incisogingival bracket placement and assist with sighting long axis crown angulations.

Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips. Color coding identifies the various heights.



RECOMMENDED JIG HEIGHT



Jig height substitutions can be made for an additional charge.
Green 5 mm jigs are also available for cuspids.

Gingivally offset mandibular bicuspid brackets are available with brackets positioned gingivally on bonding pads to permit proper bonding height on partially erupted teeth

Notes:

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a template for writing or drawing. The margins are consistent on all sides.

Visit us online at **tportho.com**

2

METAL BRACKET SYSTEMS

METAL BRACKET SYSTEMS

Nu-Edge® Self-Ligating

- Roth
- MBT

Nu-Edge® Mini Cobalt Chromium

- Roth
- MBT

Nu-Edge® Cobalt Chromium

- Roth
- MBT
- BioTech
- High Torque

Nu-Edge® lite with Pre-Applied Adhesive

- MBT

Straight-Edge® Stainless Steel

- Roth
- Andrews
- Ricketts

Tip-Edge PLUS® Stainless Steel

Tip-Edge® Rx-I Stainless Steel

Advant-Edge® Stainless Steel

- Andrews
- Ricketts
- Roth

Twin-Edge® Stainless Steel

- Standard Edgewise

Nu-Edge® Cobalt Chromium Brackets

Setting New Standards for Low Friction

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

- CoCr is a hard alloy preventing archwire slot collapse due to occlusal stress.
- Brackets are cast rather than milled for superior smoothness.
- CoCr is 99.9% nickel-free and biocompatible for sensitive patients.



Enhanced Bond Strength, Simplified Clean-Up and Longer Shelf Life

Nu-Edge brackets are coated with a patented PrimeKote® polymer interface to improve bond strength. Brackets treated with PrimeKote have been shown to retain initial bond strength even after two years.² PrimeKote creates a chemical bond so that adhesive clings to the base of the bracket at debonding.³

Because PrimeKote is used to treat the entire bracket surface, the metal resists humidity. In vitro testing shows that, compared to a bracket made of 17-4 PH stainless steel, Nu-Edge brackets (made of ASTM F-75 CoCr) showed no corrosion, while steel brackets had significant corrosion potential.⁴

Vertical Slot

Some prescriptions are available with vertical slots that accept auxiliaries up to 0.46mm (.018"). Recommended auxiliaries are Power Pins, Rotating Springs and Individual Root Torquing Auxiliaries.



With Vertical Slot



Without Vertical Slot

Nu-Edge and TPO Ceramic Brackets: A Perfect Pair

Nu-Edge cobalt chromium and TPO ceramic brackets now come together in combination kits for an affordable aesthetic option.

- TPO ceramic brackets are injection molded for exceptional strength and smoothness, with friction values comparable to Nu-Edge cobalt chromium brackets.
- Economy combination kits provide beauty and performance in a simple, cost-effective package.

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

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

^{3,4} Devanathan, D and Chudzynski, J. Technical evaluation of a new orthodontic bracket. TP Orthodontics, Inc., 1997.

Nu-Edge® Self-Ligating Cobalt Chromium Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

Slot Size	With Hooks	
0.46mm (.018")	Cuspid/Bicuspid	293-106SL
0.56mm (.022")	Cuspid/Bicuspid	293-107SL

Kits contain 20 brackets.



MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable
Central		0.46mm	L	293-010SL
Torque	+17°	(.018")	R	293-011SL
Tip	+5°	0.56mm	L	293-012SL
		(.022")	R	293-013SL
Lateral		0.46mm	L	293-014SL
Torque	+8°	(.018")	R	293-015SL
Tip	+9°	0.56mm	L	293-016SL
		(.022")	R	293-017SL
Cuspid with Distal Hook		0.46mm	L	293-022SL
Torque	0°	(.018")	R	293-023SL
Tip	+11°	0.56mm	L	293-024SL
		(.022")	R	293-025SL
Bicuspid with Distal Hook		0.46mm	L	293-098SL
Torque	-7°	(.018")	R	293-099SL
Tip	0°	0.56mm	L	293-100SL
		(.022")	R	293-101SL

Package of 5

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable
Anteriors		0.46mm	L/R	293-050SL
Torque	0°	(.018")		
Tip	0°	0.56mm	L/R	293-052SL
		(.022")		
Cuspid with Distal Hook		0.46mm	L	293-058SL
Torque	-11°	(.018")	R	293-059SL
Tip	+5°	0.56mm	L	293-060SL
		(.022")	R	293-061SL
1st Bicuspid with Distal Hook		0.46mm	L	293-090SL
Torque	-17°	(.018")	R	293-091SL
Tip	0°	0.56mm	L	293-092SL
		(.022")	R	293-093SL
2nd Bicuspid with Distal Hook		0.46mm	L	293-082SL
Torque	-22°	(.018")	R	293-083SL
Tip	0°	0.56mm	L	293-084SL
		(.022")	R	293-085SL

Package of 5

Nu-Edge® Self-Ligating Mini Cobalt Chromium Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

Slot Size	With Hooks	
0.46mm (.018")	Cuspid/Bicuspid	293-291SL
0.56mm (.022")	Cuspid/Bicuspid	293-294SL

Kits contain 20 brackets.



MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable
Central		0.46mm (.018")	L	293-310SL
Torque	+17°		R	293-311SL
Angulation	+ 4°	0.56mm (.022")	L	293-312SL
			R	293-313SL
Lateral		0.46mm (.018")	L	293-314SL
Torque	+10°		R	293-315SL
Angulation	+ 8°	0.56mm (.022")	L	293-316SL
			R	293-317SL
Cuspid with Distal Hook		0.46mm (.018")	L	293-322SL
Torque	-7°		R	293-323SL
Angulation	+8°	0.56mm (.022")	L	293-324SL
			R	293-325SL
Bicuspid with Distal Hook		0.46mm (.018")	L	293-330SL
Torque	- 7°		R	293-331SL
Angulation	0°	0.56mm (.022")	L	293-332SL
			R	293-333SL

Package of 5

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable
Anteriors		0.46mm (.018")	L/R	293-354SL
Torque	-6°			
Angulation	0°	0.56mm (.022")	L/R	293-355SL
Cuspid with Distal Hook		0.46mm (.018")	L	293-360SL
Torque	-6°		R	293-361SL
Angulation	+3°	0.56mm (.022")	L	293-362SL
			R	293-363SL
1st Bicuspid with Distal Hook		0.46mm (.018")	L	293-268SL
Torque	-12°		R	293-269SL
Angulation	+2°	0.56mm (.022")	L	293-270SL
			R	293-271SL
2nd Bicuspid with Distal Hook		0.46mm (.018")	L	293-276SL
Torque	-17°		R	293-277SL
Angulation	+2°	0.56mm (.022")	L	293-278SL
			R	293-279SL

Package of 5

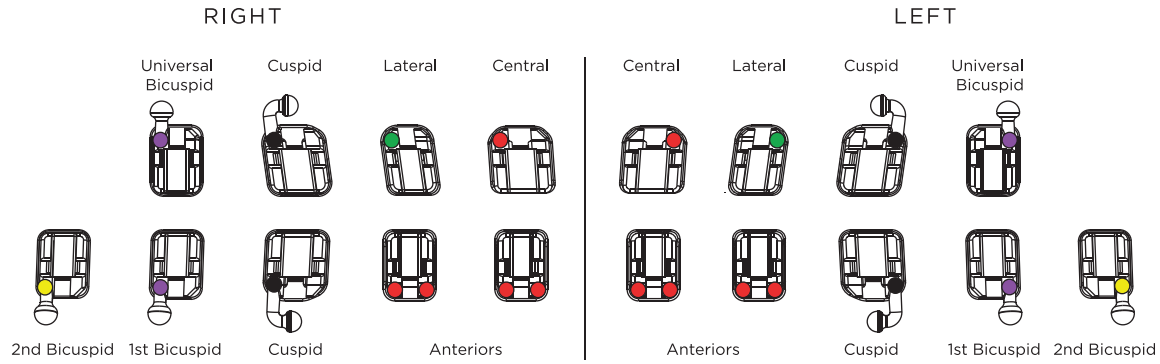
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Nu-Edge® SL

Brackets



BRACKET ID CHART - NU-EDGE SL MBT AND ROTH



Nu-Edge® Mini Cobalt Chromium Brackets

Compatible with the Roth system: not endorsed by Dr. Roth



PATIENT KITS

Slot Size	With Hooks	Bicuspid Not Offset
0.46mm (.018")	Cuspid	293-004
	Cuspid/Bicuspid	293-206
	No Hooks	293-005
0.56mm (.022")	Cuspid	293-006
	Cuspid/Bicuspid	293-207
	No Hooks	293-007

Kits contain 20 brackets.

MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable
Central		0.46mm (.018")	L	293-160
Torque	+14°		R	293-161
Tip	+5°	0.56mm (.022")	L	293-162
			R	293-163
Lateral		0.46mm (.018")	L	293-164
Torque	+7°		R	293-165
Tip	+8°	0.56mm (.022")	L	293-166
			R	293-167

Package of 5

Nu-Edge® Mini Cobalt Chromium Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

Slot Size	With Hooks	$\frac{5}{5}$.027" In/Out
0.46mm (.018")	Cuspid	293-380
	Cuspid/Bicuspid	293-381
	No Hooks	293-382
0.56mm (.022")	Cuspid	293-383
	Cuspid/Bicuspid	293-384
	No Hooks	293-385

Kits contain 20 brackets.

MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable
Central		0.46mm (.018")	L	293-386
Torque	+17°		R	293-387
Tip	+5°	0.56mm (.022")	L	293-388
			R	293-389
Lateral		0.46mm (.018")	L	293-396
Torque	+10°		R	293-397
Tip	+7°	0.56mm (.022")	L	293-398
			R	293-399

Package of 5

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Nu-Edge® Cobalt Chromium Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

Slot Size	With Hooks	With Vertical Slot					
		Bicuspid Not Offset	Lower Bicuspid Gingivally Offset	Upper/Lower Bicuspid Gingivally Offset	Bicuspid Not Offset	Lower Bicuspid Gingivally Offset	
0.46mm (.018")	Cuspid	293-000	293-152	293-116	293-700	293-807	
	Cuspid/Bicuspid	293-106	293-153	293-114	293-701	293-808	
	No Hooks	293-001	293-154	293-117	293-702	293-809	
0.56mm (.022")	Cuspid	293-002	293-155	293-118	293-703	293-810	
	Cuspid/Bicuspid	293-107	293-156	293-115	293-704	293-811	
	No Hooks	293-003	293-157	293-119	293-705	293-812	

Kits contain 20 brackets.

293-008 Bi-Dimensional Brackets with Cuspid Hooks Kit
.018" centrals and laterals with .022" cuspids and bicuspid
Kit contains 20 brackets.



MAXILLARY BRACKETS

		Slot Size	Left/Right	Bondable Without Vertical Slot	Weldable Without Vertical Slot	Bondable With Vertical Slot	Weldable [§] With Vertical Slot
Central		0.46mm (.018")	L	293-010	293-028	293-710	
Torque	+14°		R	293-011	293-029	293-711	
Tip	+5°	0.56mm (.022")	L	293-012	293-030	293-712	
			R	293-013	293-031	293-713	
Lateral		0.46mm (.018")	L	293-014	293-032	293-714	
Torque	+7°		R	293-015	293-033	293-715	
Tip	+8°	0.56mm (.022")	L	293-016	293-034	293-716	
			R	293-017	293-035	293-717	
Cuspid without Hook		0.46mm (.018")	L	293-018	293-036[§]	293-718	293-740
Torque	0°		R	293-019	293-037[§]	293-719	293-741
Tip	+10°	0.56mm (.022")	L	293-020	293-038[§]	293-720	293-742
			R	293-021	293-039[§]	293-721	293-743
Cuspid with Distal Hook		0.46mm (.018")	L	293-022	293-040[§]	293-722	293-744
Torque	0°		R	293-023	293-041[§]	293-723	293-745
Tip	+10°	0.56mm (.022")	L	293-024	293-042[§]	293-724	293-746
			R	293-025	293-043[§]	293-725	293-747
Bicuspid without Hook		0.46mm (.018")	L/R	293-026	293-044[§]	293-726	293-748
Torque	-7°						
Tip	0°	0.56mm (.022")	L/R	293-027	293-045[§]	293-727	293-749
Bicuspid without Hook		0.46mm (.018")	L/R	293-108			
Gingival Offset							
Torque	-7°	0.56mm (.022")	L/R	293-109			
Tip	0°						
Bicuspid with Mesial Hook		0.46mm (.018")	L	293-098	293-102[§]	293-728	293-750
Torque	-7°		R	293-099	293-103[§]	293-729	293-751
Tip	0°	0.56mm (.022")	L	293-100	293-104[§]	293-730	293-752
			R	293-101	293-105[§]	293-731	293-753
Bicuspid with Mesial Hook		0.46mm (.018")	L	293-140			
Gingival Offset			R	293-141			
Torque	-7°	0.56mm (.022")	L	293-142			
Tip	0°		R	293-143			

[§]Bracket available on bands only.
Package of 5

Nu-Edge® Cobalt Chromium Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable Without Vertical Slot	Weldable® Without Vertical Slot	Bondable With Vertical Slot	Weldable® With Vertical Slot
Anteriors	0.46mm	L/R	293-050	293-066	293-754	
Torque -1°	(.018")					
Tip 0°	0.56mm	L/R	293-052	293-068	293-755	
	(.022")					
Anteriors	0.46mm	L/R	293-049	293-048		
Torque -12°	(.018")					
Tip 0°	0.56mm	L/R	293-047	293-046		
	(.022")					
Cuspid without Hook	0.46mm	L	293-054	293-070	293-758	293-782
Torque -11°	(.018")	R	293-055	293-071	293-759	293-783
Tip +6°	0.56mm	L	293-056	293-072	293-760	293-784
	(.022")	R	293-057	293-073	293-761	293-785
Cuspid with Distal Hook	0.46mm	L	293-058	293-074	293-762	293-786
Torque -11°	(.018")	R	293-059	293-075	293-763	293-787
Tip +6°	0.56mm	L	293-060	293-076	293-764	293-788
	(.022")	R	293-061	293-077	293-765	293-789
1st Bicuspid without Hook	0.46mm	L/R	293-062	293-078	293-766	293-790
Torque -17°	(.018")					
Tip 0°	0.56mm	L/R	293-063	293-079	293-767	293-791
	(.022")					
1st Bicuspid without Hook	0.46mm	L/R	293-110		293-828	
Gingival Offset	(.018")					
Torque -17°	0.56mm	L/R	293-111		293-829	
Tip 0°	(.022")					
1st Bicuspid with Distal Hook	0.46mm	L	293-090	293-094	293-768	293-792
Torque -17°	(.018")	R	293-091	293-095	293-769	293-793
Tip 0°	0.56mm	L	293-092	293-096	293-770	293-794
	(.022")	R	293-093	293-097	293-771	293-795
1st Bicuspid with Distal Hook	0.46mm	L	293-144		293-820	
Gingival Offset	(.018")	R	293-145		293-821	
Torque -17°	0.56mm	L	293-146		293-822	
Tip 0°	(.022")	R	293-147		293-823	
2nd Bicuspid without Hook	0.46mm	L/R	293-064	293-080	293-772	293-796
Torque -22°	(.018")					
Tip 0°	0.56mm	L/R	293-065	293-081	293-773	293-797
	(.022")					
2nd Bicuspid without Hook	0.46mm	L/R	293-112		293-830	
Gingival Offset	(.018")					
Torque -22°	0.56mm	L/R	293-113		293-831	
Tip 0°	(.022")					
2nd Bicuspid with Distal Hook	0.46mm	L	293-082	293-086	293-774	293-798
Torque -22°	(.018")	R	293-083	293-087	293-775	293-799
Tip 0°	0.56mm	L	293-084	293-088	293-776	293-805
	(.022")	R	293-085	293-089	293-777	293-806
2nd Bicuspid with Distal Hook	0.46mm	L	293-148		293-824	
Gingival Offset	(.018")	R	293-149		293-825	
Torque -22°	0.56mm	L	293-150		293-826	
Tip 0°	(.022")	R	293-151		293-827	

®Bracket available on bands only.

Package of 5

Nu-Edge® Cobalt Chromium Brackets

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

		Bicuspids Not Offset	Bicuspids Gingivally Offset	
Slot Size	With Hooks	5 5 .027" In/Out		5 5 .047" In/Out
0.46mm (.018")	Cuspid	293-290	293-390	293-300
	Cuspid/Bicuspid	293-291	293-391	293-301
	No Hooks	293-292	293-392	293-302
0.56mm (.022")	Cuspid	293-293	293-393	293-303
	Cuspid/Bicuspid	293-294	293-394	293-304
	No Hooks	293-295	293-395	293-305

Kits contain 20 brackets without vertical slot.



MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable	Weldable [§]
Central Torque	+17°	0.46mm (.018")	L	293-310	293-940
			R	293-311	293-941
	Tip + 5°	0.56mm (.022")	L	293-312	293-942
			R	293-313	293-943
Lateral Torque	+10°	0.46mm (.018")	L	293-314	293-944
			R	293-315	293-945
	Tip + 7°	0.56mm (.022")	L	293-316	293-946
			R	293-317	293-947
Cuspid without Hook Torque	- 7°	0.46mm (.018")	L	293-318	293-948
			R	293-319	293-949
	Tip + 8°	0.56mm (.022")	L	293-320	293-950
			R	293-321	293-951
Cuspid with Distal Hook Torque	0°	0.46mm (.018")	L	293-322	293-952
			R	293-323	293-953
	Tip +7°	0.56mm (.022")	L	293-324	293-954
			R	293-325	293-955
Universal Bicuspid without Hook Torque	- 7°	0.46mm (.018")	L/R	293-326	293-956
	Tip 0°	0.56mm (.022")	L/R	293-328	293-958
In/Out Comp. .027"		(.022")			
Universal Bicuspid with Distal Hook Torque	- 7°	0.46mm (.018")	L	293-330	293-960
			R	293-331	293-961
	Tip 0°	0.56mm (.022")	L	293-332	293-962
In/Out Comp. .027"		(.022")	R	293-333	293-963
Optional 2nd Bicuspid w/o Hook Torque	- 7°	0.46mm (.018")	L/R	293-334	293-964
	Tip 0°	0.56mm (.022")	L/R	293-335	293-965
In/Out Comp. .047"		(.022")			
Optional 2nd Bicuspid with Hook Torque	- 7°	0.46mm (.018")	L	293-336	293-966
			R	293-337	293-967
	Tip 0°	0.56mm (.022")	L	293-338	293-968
In/Out Comp. .047"		(.022")	R	293-339	293-969

[§]Bracket available on bands only.
Package of 5

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Nu-Edge® Cobalt Chromium Brackets

MBT* McLaughlin, Bennett, Trevisi System

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable	Weldable [§]
Anteriors		0.46mm	L/R	293-354	293-970
Torque	-6°	(.018")			
Tip	0°	0.56mm	L/R	293-355	293-972
		(.022")			
Cuspid without Hook		0.46mm	L	293-356	293-974
Torque	-7°	(.018")	R	293-357	293-975
Tip	+3°	0.56mm	L	293-358	293-976
		(.022")	R	293-359	293-977
Cuspid with Distal Hook		0.46mm	L	293-360	293-978
Torque	0°	(.018")	R	293-361	293-979
Tip	+3°	0.56mm	L	293-362	293-980
		(.022")	R	293-363	293-981
1st Bicuspid without Hook		0.46mm	L	293-264	293-982
Torque	-12°	(.018")	R	293-265	293-983
Tip	+2°	0.56mm	L	293-266	293-984
		(.022")	R	293-267	293-985
1st Bicuspid without Hook		0.46mm	L	293-364	
Gingival Offset		(.018")	R	293-365	
Torque	-12°	0.56mm	L	293-366	
Tip	+2°	(.022")	R	293-367	
1st Bicuspid with Distal Hook		0.46mm	L	293-268	293-986
Torque	-12°	(.018")	R	293-269	293-987
Tip	+2°	0.56mm	L	293-270	293-988
		(.022")	R	293-271	293-989
1st Bicuspid with Distal Hook		0.46mm	L	293-368	
Gingival Offset		(.018")	R	293-369	
Torque	-12°	0.56mm	L	293-370	
Tip	+2°	(.022")	R	293-371	
2nd Bicuspid without Hook		0.46mm	L	293-272	293-990
Torque	-17°	(.018")	R	293-273	293-991
Tip	+2°	0.56mm	L	293-274	293-992
		(.022")	R	293-275	293-993
2nd Bicuspid without Hook		0.46mm	L	293-372	
Gingival Offset		(.018")	R	293-373	
Torque	-17°	0.56mm	L	293-374	
Tip	+2°	(.022")	R	293-375	
2nd Bicuspid with Distal Hook		0.46mm	L	293-276	293-994
Torque	-17°	(.018")	R	293-277	293-995
Tip	+2°	0.56mm	L	293-278	293-996
		(.022")	R	293-279	293-997
2nd Bicuspid with Distal Hook		0.46mm	L	293-376	
Gingival Offset		(.018")	R	293-377	
Torque	-17°	0.56mm	L	293-378	
Tip	+2°	(.022")	R	293-379	

[§]Bracket available on bands only.
Package of 5

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Nu-Edge® Cobalt Chromium Brackets

BioTech .018" System

PATIENT KITS

Maxillary Centrals 0° Tip

Slot Size	With Hooks		With Vertical Slot
0.46mm	Cuspid	293-400	293-500
(.018")	Cuspid/Bicuspid	293-402	293-502
	No Hooks	293-404	293-504

Kits contain 20 bondable brackets, non-oriented only.



PATIENT KITS

Maxillary Centrals +5° Tip

Slot Size	With Hooks		With Vertical Slot
0.46mm	Cuspid	293-401	293-501
(.018")	Cuspid/Bicuspid	293-403	293-503

Kits contain 20 bondable brackets, non-oriented only.

MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable	Weldable	Bondable With Vertical Slot	Weldable
Central		0.46mm					
Torque	+22°	(.018")	L/R	293-410		293-510	
Tip	0°						
Central		0.46mm	L	293-406		293-506	
Torque	+22°	(.018")	R	293-407		293-507	
Tip	+5°						
Lateral		0.46mm	L	293-412		293-512	
Torque	+14°	(.018")	R	293-413		293-513	
Tip	+8°						
Cuspid without Hook		0.46mm	L	293-416	293-466	293-516	293-566
Torque	+7°	(.018")	R	293-417	293-467	293-517	293-567
Tip	+5°						
Cuspid with Distal Hook		0.46mm	L	293-420	293-470	293-520	293-570
Torque	+7°	(.018")	R	293-421	293-471	293-521	293-571
Tip	+5°						
Bicuspid without Hook		0.46mm	L/R	293-424	293-474	293-524	293-574
Torque	0°	(.018")					
Tip	0°						
Bicuspid with Mesial Hook		0.46mm	L	293-426	293-476	293-526	293-576
Torque	0°	(.018")	R	293-427	293-477	293-527	293-577
Tip	0°						

Package of 5

Nu-Edge® Cobalt Chromium Brackets

BioTech .018" System

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable	Weldable	Bondable	Weldable
						With Vertical Slot	
Anteriors		0.46mm					
Torque	-1°	(.018")	L/R	293-050		293-754	
Tip	0°						
Cuspid without Hook		0.46mm	L	293-417	293-467	293-517	293-567
Torque	+7°	(.018")	R	293-416	293-466	293-516	293-566
Tip	+5°						
Cuspid with Distal Hook		0.46mm	L	293-421	293-471	293-521	293-571
Torque	+7°	(.018")	R	293-420	293-470	293-520	293-570
Tip	+5°						
Bicuspid without Hook		0.46mm					
Torque	0°	(.018")	L/R	293-428	293-474	293-528	293-574
Tip	0°						
Bicuspid without Hook							
Gingival Offset		0.46mm					
Torque	0°	(.018")	L/R	293-478		293-578	
Tip	0°						
Bicuspid with Distal Hook		0.46mm	L	293-430	293-476	293-530	293-576
Torque	0°	(.018")	R	293-431	293-477	293-531	293-577
Tip	0°						
Bicuspid with Distal Hook							
Gingival Offset		0.46mm	L	293-479		293-579	
Torque	0°	(.018")	R	293-480		293-580	
Tip	0°						

Package of 5

Nu-Edge® Cobalt Chromium Brackets

High Torque .022" System

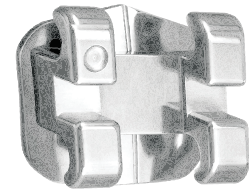
MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable	Bondable
					With Vertical Slot
Central		0.56mm			
Torque	+22°	(.022")	L/R	293-411	293-511
Tip	0°				
Central		0.56mm	L	293-408	293-508
Torque	+22°	(.022")	R	293-409	293-509
Tip	+5°				
Lateral		0.56mm	L	293-414	293-514
Torque	+14°	(.022")	R	293-415	293-515
Tip	+8°				

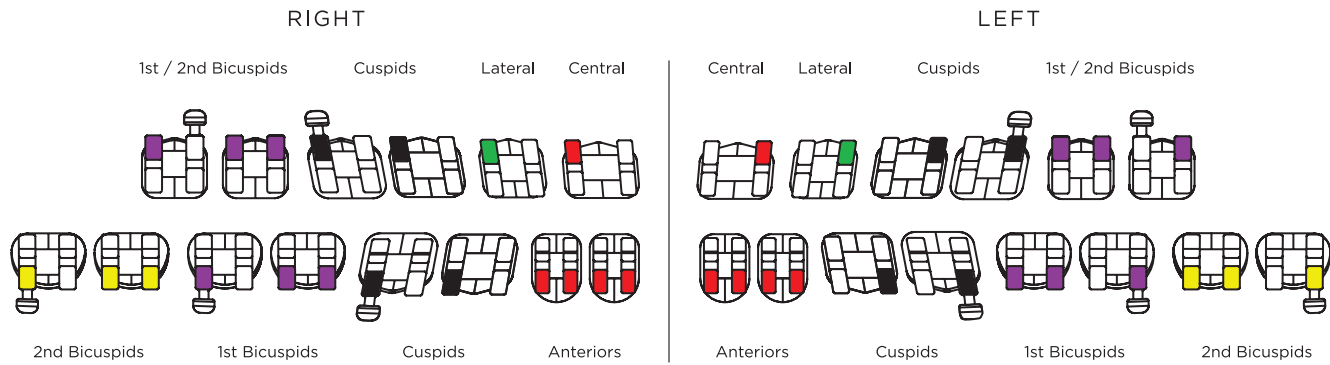
Package of 5

Nu-Edge®

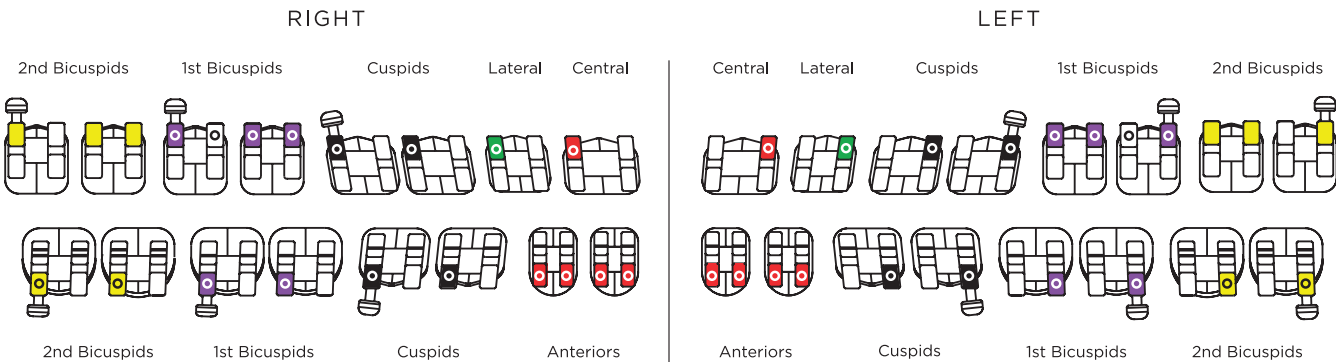
Cobalt Chromium Brackets



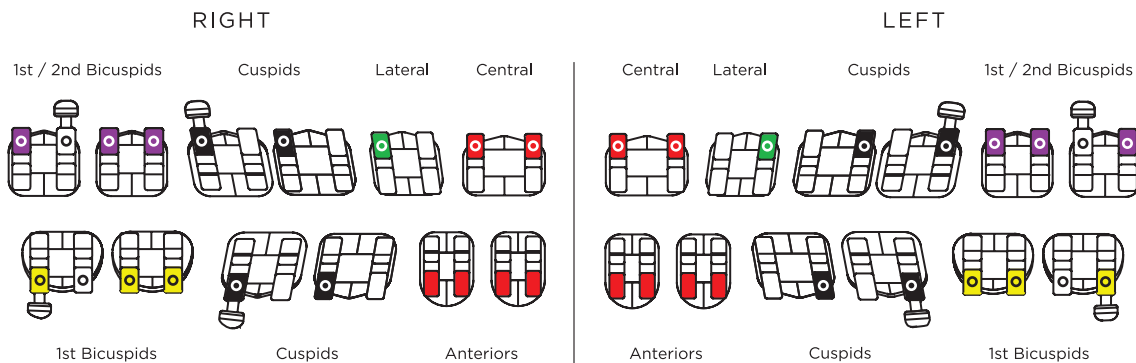
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BRACKET ID CHART - Nu-Edge MBT



BRACKET ID CHART - Nu-Edge BioTech



Nu-Edge® lite Bracket

Cobalt Chromium with Pre-Applied Adhesive

MBT* McLaughlin, Bennett, Trevisi System

PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Upper & Lower 5-5 Cuspid/Bicuspid		285-001RBX	285-004RBX

Kits contain 20 brackets.



MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable
Central	0.46mm (.018")	L	285-010RBX
Torque +17°		R	285-011RBX
Tip +5°	0.56mm (.022")	L	285-012RBX
		R	285-013RBX
Lateral	0.46mm (.018")	L	285-014RBX
Torque +10°		R	285-015RBX
Tip +7°	0.56mm (.022")	L	285-016RBX
		R	285-017RBX
Cuspid with Distal Hook	0.46mm (.018")	L	285-022RBX
Torque 0°		R	285-023RBX
Tip +7°	0.56mm (.022")	L	285-024RBX
		R	285-025RBX
Universal Bicuspid with Hook	0.46mm (.018")	L	285-030RBX
Torque -7°		R	285-031RBX
Tip 0°	0.56mm (.022")	L	285-032RBX
		R	285-033RBX

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anteriors	0.46mm (.018")	L/R	285-054RBX
Torque -6°			
Tip 0°	0.56mm (.022")	L/R	285-055RBX
Cuspid with Distal Hook	0.46mm (.018")	L	285-060RBX
Torque 0°		R	285-061RBX
Tip +3°	0.56mm (.022")	L	285-062RBX
		R	285-063RBX
1st Bicuspid with Hook	0.46mm (.018")	L	285-068RBX
Torque -12°		R	285-069RBX
Tip +2°	0.56mm (.022")	L	285-070RBX
		R	285-071RBX
2nd Bicuspid with Hook	0.46mm (.018")	L	285-076RBX
Torque -17°		R	285-077RBX
Tip +2°	0.56mm (.022")	L	285-078RBX
		R	285-079RBX

Package of 5

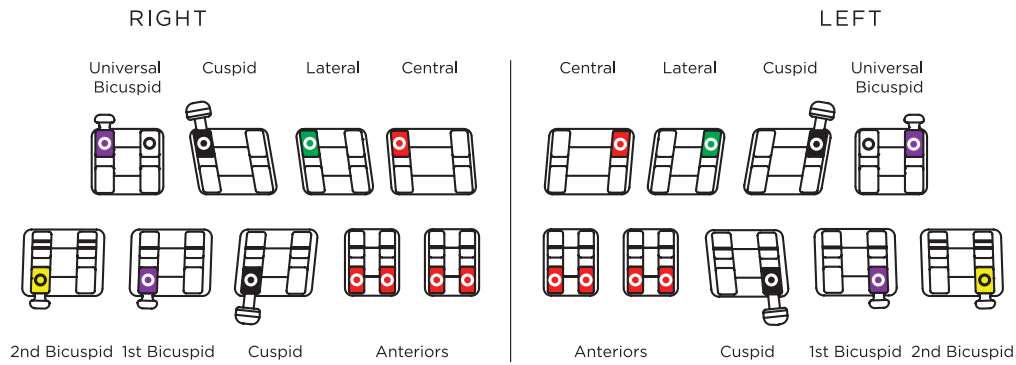
*MBT is a registered trademark of 3M Unitek. TP Orthodontics version of the McLaughlin, Bennett and Trevisi prescription is not intended to be a duplication of, nor an endorsement by, these doctors and such endorsement is not implied by the use of this term.

Nu-Edge® lite

Brackets



BRACKET ID CHART - NU-EDGE LITE MBT



Straight-Edge® II Stainless Steel Brackets

With Torque in the Base

Straight-Edge II brackets provide torque in the base for level slot line-up, simplifying bracket placement and archwire insertion.

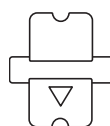
Profile heights are lower and all surfaces are more rounded and comfortable. Small notches are cast into the occlusal and gingival of the bracket surfaces to secure positioning jigs and Side-Winder uprighting springs.

At this time Straight-Edge II is only available in the Roth system.

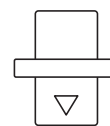


Universal Lower Anterior Bracket

Lower anterior brackets are available with the customary +2° tip or with Universal 0° tip. Universal brackets with 0° tip have no left and right orientation which helps to reduce inventory supplies. Universal anteriors are offered with -1° or -6° lingual root torque.



0° Tip with -6°
Lingual Root Torque



0° Tip with -1°
Lingual Root Torque

Vertical Slot for Auxiliaries

All TPO Straight-Edge brackets have a vertical slot that accepts 0.46mm (.018") auxiliaries and allows the operator options not found in similar type brackets.

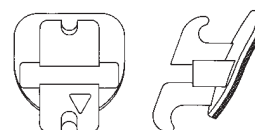
Straight-Edge auxiliaries include rotating springs, uprighting springs, power hooks, power pins, bi-level pins, torquing auxiliaries and positioning jigs.

See pages 115-121 for more information on auxiliaries.



Mandibular Bicuspids with Gingival Offsets

Occlusal interference can lead to frequent rebonds or to banding of mandibular bicuspids. Special mandibular bicuspid brackets are available with brackets positioned gingivally on bonding pad to reduce chance of occlusal interference.



Straight-Edge® II Stainless Steel Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

Slot Size	-1° Universal Lower Anteriors	With Cuspid Hooks			
		Non-Oriented	Oriented on Jigs	Non-Oriented	Oriented on Jigs
0.46mm (.018")	No	292-001	292-002	292-011	292-012
0.56mm (.022")	No	292-003	292-004*	292-013	292-014
	Yes	292-005*	292-006*	292-015	292-016

Kits contain 20 bondable brackets. Mandibular first bicuspid have -14° torque.

Jigs are recommended heights.



292-0007 Straight-Edge with Tip-Edge Cuspids (.022"), oriented

292-0008 Straight-Edge with Tip-Edge Cuspids (.022") with special jigs, oriented

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable					Weldable
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green	
Central Narrow	0.46mm	L	292-051*		292-075*	292-091		292-107^s
Torque +12°	(.018")	R	292-052*		292-076*	292-092		292-108^s
Tip +5°	0.56mm	L	292-053*		292-077*	292-093		292-109^s
Rotation 0°	(.022")	R	292-054*		292-078*	292-094		292-110^s
Lateral	0.46mm	L	292-055*	292-067*	292-079			292-111^s
Torque +8°	(.018")	R	292-056*	292-068*	292-080			292-112^s
Tip +9°	0.56mm	L	292-057*	292-069*	292-081			292-113^s
Rotation 0°	(.022")	R	292-058*	292-070*	292-082			292-114^s
Cuspid without Hook	0.46mm	L	292-059*		292-083	292-095*	292-103	292-115
Torque -2°	(.018")	R	292-060*		292-084	292-096*	292-104	292-116
Tip +11°	0.56mm	L	292-061*		292-085	292-097*	292-105	292-117
Rotation -4°	(.022")	R	292-062*		292-086	292-098*	292-106	292-118
Cuspid with Distal Hook	0.46mm	L	292-359		292-383	292-395	292-363	292-123
Torque -2°	(.018")	R	292-360		292-384	292-396	292-364	292-124
Tip +11°	0.56mm	L	292-361		292-385	292-397	292-365	292-125
Rotation -4°	(.022")	R	292-362		292-386	292-398	292-366	292-126
Bicuspid	0.46mm	L	292-063	292-071	292-087	292-099		292-119
Torque -7°	(.018")	R	292-064	292-072	292-088	292-100		292-120
Tip 0°	0.56mm	L	292-065	292-073	292-089	292-101		292-121
Rotation +2°	(.022")	R	292-066	292-074	292-090	292-102		292-122

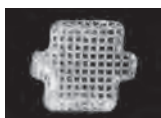
Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspids 4.5mm, 1st bicuspid 4mm, 2nd bicuspid 3.5mm.

*Bracket available on bands only.

Package of 5



Larger Pad



Smaller Pad

* Item numbers marked with an asterisk may be ordered with smaller bonding pads by adding an F after the order number.

Straight-Edge® II Stainless Steel Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Non-Oriented	Oriented 3.5mm Blue	Bondable Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green	Weldable
Universal Anterior								
Torque -1°								
Tip 0°	0.56mm	L/R	291-975*	291-976*	291-977			291-865[§]
Rotation 0°	(.022")							
Universal Anterior	0.46mm	L/R	291-978*	291-979*	291-980			291-981[§]
Torque -6°	(.018")							
Tip 0°	0.56mm	L/R	291-982*	291-983*	291-984			291-985[§]
Rotation 0°	(.022")							
Anteriors	0.46mm	L	292-151*	292-163*	292-171			292-195[§]
Torque -1°	(.018")	R	292-152*	292-164*	292-172			292-196[§]
Tip +2°	0.56mm	L	292-153*	292-165*	292-173			292-197[§]
Rotation 0°	(.022")	R	292-154*	292-166*	292-174			292-198[§]
Cuspid without Hook	0.46mm	L	292-155*		292-175*	292-183*	292-191	292-199
Torque -11°	(.018")	R	292-156*		292-176*	292-184*	292-192	292-200
Tip +5°	0.56mm	L	292-157*		292-177*	292-185	292-193	292-201
Rotation -2°	(.022")	R	292-158*		292-178*	292-186	292-194	292-202
Cuspid with Distal Hook	0.46mm	L	292-355		292-375	292-387	292-391	292-127
Torque -11°	(.018")	R	292-356		292-376	292-388	292-392	292-128
Tip +5°	0.56mm	L	292-357		292-377	292-389	292-393	292-129
Rotation -2°	(.022")	R	292-358		292-378	292-390	292-394	292-130
1st Bicuspid	0.46mm	L	292-223	292-225	292-227	292-229		292-231
Torque -17°	(.018")	R	292-224	292-226	292-228	292-230		292-232
Tip +1°	0.56mm	L	292-233	292-235	292-237	292-239		292-241
Rotation+4°	(.022")	R	292-234	292-236	292-238	292-240		292-242
1st Bi Ging. Offset	0.46mm	L	292-243	292-245	292-247	292-249		
Torque -17°	(.018")	R	292-244	292-246	292-248	292-250		
Tip +1°	0.56mm	L	292-251	292-253	292-255	292-257		
Rotation+4°	(.022")	R	292-252	292-254	292-256	292-258		
2nd Bicuspid	0.46mm	L	292-159	292-167	292-179	292-187		292-203
Torque -22°	(.018")	R	292-160	292-168	292-180	292-188		292-204
Tip +1°	0.56mm	L	292-161	292-169	292-181	292-189		292-205
Rotation+4°	(.022")	R	292-162	292-170	292-182	292-190		292-206
2nd Bi Ging. Offset	0.46mm	L	292-207	292-211	292-215	292-219		
Torque -22°	(.018")	R	292-208	292-212	292-216	292-220		
Tip +1°	0.56mm	L	292-209	292-213	292-217	292-221		
Rotation+4°	(.022")	R	292-210	292-214	292-218	292-222		

Recommended jig heights: Mandibular anteriors 3.5mm, cuspids 4mm, bicuspids 4mm.

[§]Bracket available on bands only.

Package of 5



Larger Pad



Smaller Pad

* Item numbers marked with an asterisk may be ordered with smaller bonding pads by adding an F after the order number.

Straight-Edge® II

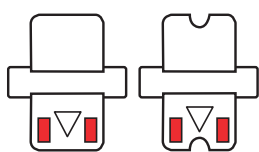
Stainless Steel Brackets



BRACKET ID CHART - Straight-Edge II Roth

RIGHT					LEFT				
2nd Bicuspid	1st Bicuspid	Cuspid	Lateral	Central	Central	Lateral	Cuspid	1st Bicuspid	2nd Bicuspid
2nd Bicuspid	1st Bicuspid	Cuspid	Anteriors		Anteriors		Cuspid	1st Bicuspid	2nd Bicuspid

Torque in the Base



-1° or -6°

Lingual Root Torque

Red color codes appear on both sides of triangle on universal lower anteriors.

A distinguishing identification mark is on each bracket. Circles identify the upper brackets and triangles identify the lower brackets. Identification markings are also color-coded. Two small bars are added mesial to the identification marks on second bicuspids. Color-coded positioning jigs provide further identification for oriented brackets.

Positioning Jigs

Positioning jigs are designed to help take the uncertainty out of bracket placement, allowing quick bracket orientation.

Jigs facilitate accurate placement of the archwire slot relative to the incisal edge of the tooth. This is important for anyone who spends a great deal of time working with precise bracket placement. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips.



Positioning jigs are easily removed after bonding adhesive has set. Twist sideways to disengage the head. Remove jig by sliding it incisally.

RECOMMENDED JIG HEIGHT

Central 4mm Red	Lateral 3.5mm Blue	Cuspid 4.5mm Yellow	1st Bicuspid 4mm Red	2nd Bicuspid 3.5mm Blue
Central 3.5mm Blue	Lateral 3.5mm Blue	Cuspid 4mm Red	1st Bicuspid 4mm Red	2nd Bicuspid 4mm Red

Jig height substitutions can be made for an additional charge. Green 5mm jigs are also available for cuspids.

Straight-Edge® I Stainless Steel Brackets

With Torque in the Face

Straight-Edge is a preadjusted straight arch bracket system with built-in tip, torque, rotation and in/out compensation. Three popular prescriptions are available.

Straight-Edge brackets combine maximum aesthetics, easy identification, improved bracket orientation, custom prescriptions and auxiliaries never before offered in a bracket system.



Wide or Narrow Central Brackets

TPO offers the option of selecting wide maxillary central brackets or aesthetically pleasing narrow brackets. Rotational control is maintained by the mesiodistal extensions hidden behind the archwire.



Wide Central



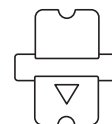
Narrow Central

Universal Lower Anterior Bracket

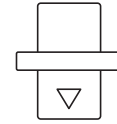
Lower anterior brackets are available with the customary +2° tip or with Universal 0° tip.

Universal brackets with 0° tip have no left and right orientation which helps to reduce inventory supplies.

Universal anteriors are offered with -1° or -6° lingual root torque.



0° Tip with -6°
Lingual Root Torque



0° Tip with -1°
Lingual Root Torque

Vertical Slot for Auxiliaries

All TPO Straight-Edge brackets have a vertical slot that accepts 0.46mm (.018") auxiliaries, including rotating springs, uprighting springs, power hooks, power pins, bi-level pins, torquing auxiliaries and positioning jigs.



See pages 115-121 for more information on auxiliaries.



Power Pin
for retraction
or space
closure



Power Hook
for retraction
or space
closure



Rotating Spring
for axial
rotations



**Side-Winder
Spring**
for mesiodistal
uprighting



Bi-Level Pin
for engaging
a second
archwire



Torquing Auxiliaries
for anterior root torque

Straight-Edge® I Stainless Steel Brackets

Andrews† System

PATIENT KITS

Slot Size	Upper Central	-1° Universal Lower Anteriors	Non-Oriented	Oriented on Jigs
0.46mm (.018")	Wide	No	290-500	290-520
	Narrow	No	290-400	290-450
0.56mm (.022")	Wide	No	290-600	290-620
	Narrow	No	290-700	290-750
	Wide	Yes	290-590	290-592
	Narrow	Yes	290-591	290-593

Kits contain 20 bondable brackets.

Jigs are recommended heights.



MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable				
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green
Central Wide	0.46mm	L	290-501		290-523	290-525	
Torque +7°	(.018")	R	290-502		290-524	290-526	
Tip +5°	0.56mm	L	290-601		290-623	290-625	
Rotation 0°	(.022")	R	290-602		290-624	290-626	
Central Narrow	0.46mm	L	290-831		290-835	290-837	
Torque +7°	(.018")	R	290-832		290-836	290-838	
Tip +5°	0.56mm	L	290-841		290-845	290-847	
Rotation 0°	(.022")	R	290-842		290-846	290-848	
Lateral	0.46mm	L	290-503	290-527	290-529		
Torque +3°	(.018")	R	290-504	290-528	290-530		
Tip +9°	0.56mm	L	290-603	290-627	290-629		
Rotation 0°	(.022")	R	290-604	290-628	290-630		
Cuspid	0.46mm	L	290-505		290-535	290-537	290-737
Torque -7°	(.018")	R	290-506		290-536	290-538	290-738
Tip +11°	0.56mm	L	290-605		290-635	290-637	290-937
Rotation 0°	(.022")	R	290-606		290-636	290-638	290-938
1st Bicuspid	0.46mm	L	290-507	290-541	290-545	290-549	
Torque -7°	(.018")	R	290-539	290-543	290-547	290-551	
Tip +2°	0.56mm	L	290-607	290-641	290-645	290-649	
Rotation 0°	(.022")	R	290-639	290-643	290-647	290-651	
2nd Bicuspid	0.46mm	L	290-508	290-542	290-546	290-550	
Torque -7°	(.018")	R	290-540	290-544	290-548	290-552	
Tip +2°	0.56mm	L	290-608	290-642	290-646	290-650	
Rotation 0°	(.022")	R	290-640	290-644	290-648	290-652	

Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspids 4.5mm, 1st bicuspid 4mm, 2nd bicuspid 3.5mm.

Package of 5

† TPO does not imply authorization or endorsement by Dr. Andrews.

Straight-Edge® I Stainless Steel Brackets

Andrews† System

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Non-Oriented	Oriented 3.5mm Blue	Bondable Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green
Central	0.46mm (.018")	L	290-009	290-053	290-057		
Torque -1°		R	290-010	290-055	290-059		
Tip +2°	0.56mm (.022")	L	290-109	290-153	290-157		
Rotation 0°		R	290-110	290-155	290-159		
Lateral	0.46mm (.018")	L	290-009	290-054	290-058		
Torque -1°		R	290-010	290-056	290-060		
Tip +2°	0.56mm (.022")	L	290-109	290-154	290-158		
Rotation 0°		R	290-110	290-156	290-160		
Universal Anterior							
Torque -1°							
Tip 0°	0.56mm (.022")	L/R	291-975*	291-976*	291-977*		
Rotation 0°							
Universal Anterior	0.46mm (.018")	L/R	291-978*	291-979*	291-980		
Torque -6°							
Tip 0°	0.56mm (.022")	L/R	291-982*	291-983*	291-984*		
Rotation 0°							
Cuspid	0.46mm (.018")	L	290-511		290-567	290-571	290-771
Torque -11°		R	290-512		290-568	290-572	290-772
Tip +5°	0.56mm (.022")	L	290-611		290-667	290-671	290-971
Rotation 0°		R	290-612		290-668	290-672	290-972
1st Bicuspid	0.46mm (.018")	L	290-513	290-573	290-575	290-577	
Torque -17°		R	290-514	290-574	290-576	290-578	
Tip +2°	0.56mm (.022")	L	290-613	290-673	290-675	290-677	
Rotation 0°		R	290-614	290-674	290-676	290-678	
2nd Bicuspid	0.46mm (.018")	L	290-515	290-581	290-583	290-585	
Torque -22°		R	290-516	290-582	290-584	290-586	
Tip +2°	0.56mm (.022")	L	290-615	290-681	290-683	290-685	
Rotation 0°		R	290-616	290-682	290-684	290-686	

Recommended jig heights: Mandibular anteriors 3.5mm, cuspids 4mm, bicuspid 4mm.
Package of 5



Larger Pad



Smaller Pad

* Anterior brackets marked with an asterisk may be ordered with smaller bonding pads by adding an F after the order number.

† TPO does not imply authorization or endorsement by Dr. Andrews.

Straight-Edge® I Stainless Steel Brackets

Ricketts® System

PATIENT KITS

Slot Size	Upper Central	-1° Universal Lower Anteriors	Non-Oriented	Oriented on Jigs
0.47mm (.0185")	Wide	No	291-500	291-520
	Narrow	No	291-300	291-350
0.56mm (.022")	Wide	No	291-600	291-620
	Narrow	No	291-900	291-950
	Wide	Yes	291-790	291-792
	Narrow	Yes	291-791	291-793

Kits contain 20 bondable brackets.

Jigs are recommended heights.



MAXILLARY BRACKETS

			Bondable				
	Slot Size	Left/Right	Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green
Central Wide	0.47mm	L	291-501		291-523	291-525	
Torque +22°	(.0185")	R	291-502		291-524	291-526	
Tip +5°	0.56mm	L	291-601		291-623	291-625	
Rotation 0°	(.022")	R	291-602		291-624	291-626	
Central Narrow	0.47mm	L	291-831		291-835	291-837	
Torque +22°	(.0185")	R	291-832		291-836	291-838	
Tip +5°	0.56mm	L	291-841		291-845	291-847	
Rotation 0°	(.022")	R	291-842		291-846	291-848	
Lateral	0.47mm	L	291-503	291-527	291-529		
Torque +14°	(.0185")	R	291-504	291-528	291-530		
Tip +9°	0.56mm	L	291-603	291-627	291-629		
Rotation 0°	(.022")	R	291-604	291-628	291-630		
Cuspid	0.47mm	L	291-505		291-535	291-537	291-737
Torque +7°	(.0185")	R	291-506		291-536	291-538	291-738
Tip +5°	0.56mm	L	291-605		291-635	291-637	291-937
Rotation 0°	(.022")	R	291-606		291-636	291-638	291-938
1st Bicuspid	0.47mm	L	291-007	291-041	291-045	291-049	
Torque 0°	(.0185")	R	291-039	291-043	291-047	291-051	
Tip 0°	0.56mm	L	291-107	291-141	291-145	291-149	
Rotation 0°	(.022")	R	291-139	291-143	291-147	291-151	
2nd Bicuspid	0.47mm	L	291-008	291-042	291-046	291-050	
Torque 0°	(.0185")	R	291-040	291-044	291-048	291-052	
Tip 0°	0.56mm	L	291-108	291-142	291-146	291-150	
Rotation 0°	(.022")	R	291-140	291-144	291-148	291-152	

Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, 1st bicuspid 4mm, 2nd bicuspid 3.5mm.

Package of 5

Straight-Edge® I Stainless Steel Brackets

Ricketts® System

MANDIBULAR BRACKETS

		Slot Size	Left/Right	Non-Oriented	Oriented 3.5mm Blue	Bondable Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green
Central		0.47mm	L	290-009	290-053	290-057		
Torque	-1°	(.0185")	R	290-010	290-055	290-059		
Tip	+2°	0.56mm	L	290-109	290-153	290-157		
Rotation	0°	(.022")	R	290-110	290-155	290-159		
Lateral		0.47mm	L	290-009	290-054	290-058		
Torque	-1°	(.0185")	R	290-010	290-056	290-060		
Tip	+2°	0.56mm	L	290-109	290-154	290-158		
Rotation	0°	(.022")	R	290-110	290-156	290-160		
Universal Anterior								
Torque	-1°							
Tip	0°	0.56mm	L/R	291-975*	291-976	291-977		
Rotation	0°	(.022")						
Universal Anterior		0.47mm	L/R	291-978*	291-979	291-980		
Torque	-6°	(.0185")						
Tip	0°	0.56mm	L/R	291-982*	291-983	291-984		
Rotation	0°	(.022")						
Cuspid		0.47mm	L	291-511		291-567	291-571	291-771
Torque	+7°	(.0185")	R	291-512		291-568	291-572	291-772
Tip	+5°	0.56mm	L	291-611		291-667	291-671	291-971
Rotation	0°	(.022")	R	291-612		291-668	291-672	291-972
1st Bicuspid		0.47mm	L	291-013	291-073	291-075	291-077	
Torque	0°	(.0185")	R	291-014	291-074	291-076	291-078	
Tip	0°	0.56mm	L	291-113	291-173	291-175	291-177	
Rotation	0°	(.022")	R	291-114	291-174	291-176	291-178	
2nd Bicuspid		0.47mm	L	291-515	291-581	291-583	291-585	
Torque	-14°	(.0185")	R	291-516	291-582	291-584	291-586	
Tip	0°	0.56mm	L	291-615	291-681	291-683	291-685	
Rotation	0°	(.022")	R	291-616	291-682	291-684	291-686	
Bicuspid Extraction		0.47mm	L	291-517	291-587	291-589	291-591	
Torque	-7°	(.0185")	R	291-518	291-588	291-590	291-592	
Tip	0°	0.56mm	L	291-617	291-687	291-689	291-691	
Rotation	0°	(.022")	R	291-618	291-688	291-690	291-692	

Recommended jig heights: Mandibular anteriors 3.5mm, cuspids 4mm, bicuspid 4mm.

Package of 5



Larger Pad



Smaller Pad

* Anterior brackets marked with an asterisk may be ordered with smaller bonding pads by adding an F after the order number.

Straight-Edge® I

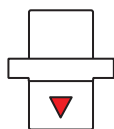
Stainless Steel Brackets



BRACKET ID CHART - Straight-Edge I Andrews / Ricketts®

RIGHT					LEFT				
2nd Bicuspid	1st Bicuspid	Cuspid	Lateral	Central	Central	Lateral	Cuspid	1st Bicuspid	2nd Bicuspid
2nd Bicuspid	1st Bicuspid	Cuspid	Anteriors		Anteriors		Cuspid	1st Bicuspid	2nd Bicuspid

**Torque
in the
Face**



Identification symbol centered
on universal lower anteriors.

A distinguishing identification mark is on each bracket. Circles identify the upper brackets and triangles identify the lower brackets. Identification markings are also color-coded. Two small bars are added mesial to the identification marks on second bicuspids. Color-coded positioning jigs provide further identification for oriented brackets.

Positioning Jigs

Positioning jigs are designed to help take the uncertainty out of bracket placement, allowing quick bracket orientation.

Jigs facilitate accurate placement of the archwire slot relative to the incisal edge of the tooth. This is important for anyone who spends a great deal of time working with precise bracket placement. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips.



Positioning jigs are easily removed after bonding adhesive has set. Twist sideways to disengage the head. Remove jig by sliding it incisally.

RECOMMENDED JIG HEIGHT

Central 4mm Red	Lateral 3.5mm Blue	Cuspid 4.5mm Yellow	1st Bicuspid 4mm Red	2nd Bicuspid 3.5mm Blue
Central 3.5mm Blue	Lateral 3.5mm Blue	Cuspid 4mm Red	1st Bicuspid 4mm Red	2nd Bicuspid 4mm Red

Jig height substitutions can be made for an additional charge. Green 5mm jigs are also available for cuspids.

Tip-Edge PLUS® Stainless Steel Brackets

Tip-Edge PLUS brackets feature a patented design that provides programmed treatment from start to finish. Teeth move naturally, with very light forces and little anchorage strain.

The difference is due to the innovative “deep tunnel” lingual horizontal archwire slot, which permits mesiodistal uprighting and torquing from the power of a preformed nickel titanium wire. Vertical and horizontal control is assured by passive rectangular archwires.



- Unprecedented treatment without the need for headgear, implants or functional appliances.
- Preadjusted to capture 100% torque and tip — zero-tolerance finish.
- Extremely light forces — only 1 to 3 ounces.
- Automatic rotational control.
- Eliminates unwanted torque reactions to adjacent teeth.
- Also available in aesthetic injection-molded ceramic.

Archwire slot has (A) tipping surfaces to permit tipping only in the desired direction and (B) uprighting surfaces to control final crown tip.



Lingual view of maxillary right canine (lingual pad removed) shows flexed nickel titanium auxiliary wire in lingual tunnel. Full size passive rectangular archwire is in the labial archwire slot.



Molar Tubes Enclosed in Patient Kits

Patient kits are available with and without bondable combination slant back molar tubes.

6/6 Upper First Molars Low Profile

Rect. Tube Size	Round-Ging. Tube Size	Left/Right	Bondable Big Foot Pad .325"
.022" x .028"	.036"	L	391-907
x 4.7mm	x 6.0mm	R	391-908

Package of 10



Bondable Right Shown

6/6 Lower First Molars Low Profile

Rect. Tube Size	Round-Ging. Tube Size	Left/Right	Bondable Big Foot Pad .325"
.022" x .028"	.036"	L	391-909
x 4.7mm	x 6.0mm	R	391-910

Package of 10



Bondable Right Shown

Tip-Edge PLUS® Stainless Steel Brackets

PATIENT KITS

	Slot Size	Non-Oriented	Oriented Incisal Jig	Oriented Universal Jig	Oriented Incisal Jigs with Tubes	Oriented Universal Jigs with Tubes
Non-Extraction	0.56mm	296-600	296-602	296-5700	296-604	296-5710
Four Bi Extraction	(.022")		296-603	296-5750	296-605	

Non-extraction kits contain 20 bondable brackets, extraction kits have 16 brackets.

Mandibular second bicuspid are not offset in kits. Order separately.

MAXILLARY BRACKETS

				Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green	Oriented Universal Orange	Weldable
Central										
Torque	+12°	0.56mm	L	296-611		296-639	296-655		296-5790	296-675[§]
Tip	+5°	(.022")	R	296-612		296-640	296-656		296-5800	296-676[§]
Lateral										
Torque	+8°	0.56mm	L	296-613	296-629	296-641			296-5810	296-677[§]
Tip	+9°	(.022")	R	296-614	296-630	296-642			296-5820	296-678[§]
Cuspid										
Torque	-4°	0.56mm	L	296-615		296-643	296-659	296-671	296-5830	296-679
Tip	+11°	(.022")	R	296-616		296-644	296-660	296-672	296-5840	296-680
Bicuspid										
Torque	-7°	0.56mm	CCW	296-617	296-631	296-645	296-661		296-5850	296-681
Tip	0°	(.022")	CW	296-618	296-632	296-646	296-662		296-5860	296-682

Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, bicuspid 4mm.

[§]Bracket available on bands only.

Package of 5

MANDIBULAR BRACKETS

				Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green	Oriented Universal Orange	Weldable
Anteriors										
Torque	-1°	0.56mm	L	296-619	296-633	296-647			296-5870	296-683[§]
Tip	+2°	(.022")	R	296-620	296-634	296-648			296-5880	296-684[§]
Cuspid										
Torque	-11°	0.56mm	L	296-623		296-651	296-667	296-673	296-5890	296-687
Tip	+5°	(.022")	R	296-624		296-652	296-668	296-674	296-5900	296-688
Bicuspid										
Torque	-20°	0.56mm	CCW	296-625	296-637	296-653	296-669		296-5910	296-689
Tip	0°	(.022")	CW	296-626	296-638	296-654	296-670		296-5920	296-690
Bicuspid with Ging. Offset										
Torque	-20°	0.56mm	CCW	296-691	296-693	296-695	296-697		296-5930	
Tip	0°	(.022")	CW	296-692	296-694	296-696	296-698		296-5940	

Recommended jig heights: Mandibular anteriors 3.5mm, cuspid 4mm, bicuspid 4mm.

[§]Bracket available on bands only.

Package of 5

Tip-Edge PLUS®

Stainless Steel Brackets



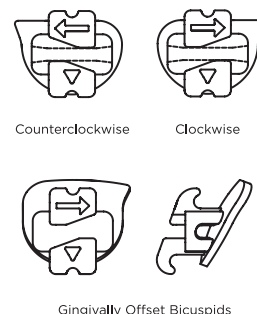
BRACKET ID CHART - Tip-Edge PLUS Non-Extraction / Extraction

NON-EXTRACTION					EXTRACTION / FOUR BICUSPID*			
2nd Bicuspid	1st Bicuspid	Cuspid	Lateral	Central	2nd Bicuspid	Cuspid	Lateral	Central
2nd Bicuspid	1st Bicuspid	Cuspid	Lateral	Central	2nd Bicuspid	Cuspid	Lateral	Central

Bicuspids

Arrows on the bicuspids represent the direction crowns should tip during initial treatment — either clockwise or counterclockwise. The bonding pad shape also points toward the direction of desired crown tipping.

Gingivally offset mandibular bicuspid brackets are available with brackets positioned gingivally on bonding pads to permit proper bonding height on partially erupted teeth.



*Switch bicuspid brackets (side-to-side) when second bicuspids are extracted.

Positioning Jigs

Incisal jigs are designed to help with accurate incisogingival bracket placement and assist with sighting long axis crown angulations. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips. Color coding identifies the various heights.



Incisal Jig

Universal jigs are available without horizontal arms to enable custom bonding according to personal bracket height preferences. The increased occlusal length helps visually parallel the bracket with the long axis of the crown. Available in orange only.



Universal Jig

RECOMMENDED JIG HEIGHT

2nd Bicuspid 4mm Red	1st Bicuspid 4mm Red	Cuspid 4.5mm Yellow	Lateral 3.5mm Blue	Central 4mm Red
2nd Bicuspid 4mm Red	1st Bicuspid 4mm Red	Cuspid 4mm Red	Lateral 3.5mm Blue	Central 3.5mm Blue

Green 5mm jigs are also available for cuspids.

Tip-Edge® Rx-I Stainless Steel Brackets



PATIENT KITS

	Slot Size	Non-Oriented	Oriented 1	Oriented 2
Non-Extraction	0.56mm	296-000	296-002	296-004

Non-extraction kits contain 20 bondable brackets, extraction kits have 16 brackets.
Bicuspid are on noted jig *except* for Oriented Universal Orange.

MAXILLARY BRACKETS

				Bondable							Weldable
	Slot Size	Left/Right		Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green	Oriented 5.5mm White	Oriented Universal Orange	
Central											
Torque +12°	0.56mm	L		296-011	296-027	296-039	296-055			296-5110	
Tip +5°	(.022")	R		296-012	296-028	296-040	296-056			296-5120	
Lateral											
Torque +8°	0.56mm	L		296-013	296-029	296-041				296-5130	
Tip +9°	(.022")	R		296-014	296-030	296-042				296-5140	
Cuspid											
Torque -4°	0.56mm	L		296-015		296-043	296-059	296-071	296-319	296-5150	296-079
Tip +11°	(.022")	R		296-016		296-044	296-060	296-072	296-320	296-5160	296-080
Bicuspid											
Torque -7°	0.56mm	CCW		296-017	296-031	296-045	296-061			296-5170	296-081
Tip 0°	(.022")	CW		296-018	296-032	296-046	296-062			296-5180	296-082

Recommended jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, bicuspid 4mm.
Package of 5

MANDIBULAR BRACKETS

				Bondable							Weldable
	Slot Size	Left/Right		Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green	Oriented 5.5mm White	Oriented Universal Orange	
Anterior											
Torque -1°	0.56mm	L		296-019	296-033	296-047				296-5190	
Tip +2°	(.022")	R		296-020	296-034	296-048				296-5200	
Cuspid											
Torque -11°	0.56mm	L		296-023		296-051	296-067	296-073	296-329	296-5230	296-087
Tip +5°	(.022")	R		296-024		296-052	296-068	296-074	296-330	296-5240	296-088
Bicuspid											
Torque -20°	0.56mm	CCW		296-025	296-037	296-053	296-069			296-5250	296-089
Tip 0°	(.022")	CW		296-026	296-038	296-054	296-070			296-5260	296-090
Bicuspid											
Torque -20°	0.56mm	CCW			296-375	296-377	296-379				
Tip 0°	(.022")	CW			296-376	296-378	296-380				
Bicuspid with Gingival Offset											
Torque -20°	0.56mm	CCW		296-091	296-093	296-095	296-097			296-5270	
Tip 0°	(.022")	CW		296-092	296-094	296-096	296-098			296-5280	
Bicuspid with Gingival Offset											
Torque -20°	0.56mm	CCW			296-371	296-373	296-381				
Tip 0°	(.022")	CW			296-372	296-374	296-382				

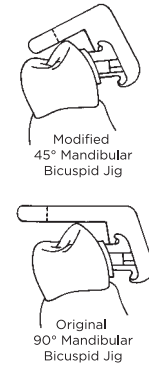
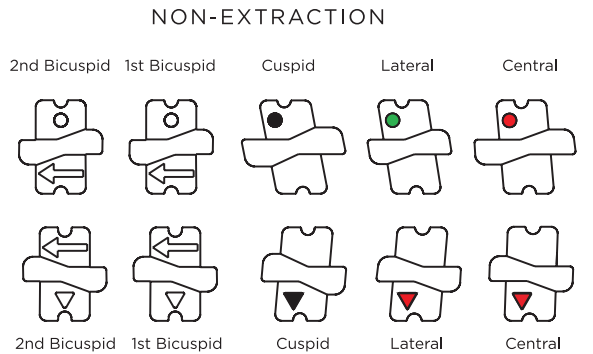
Recommended jig heights: Mandibular anteriors 3.5mm, cuspid 4mm, bicuspid 4mm.
Package of 5

Tip-Edge® Rx-I

Stainless Steel Brackets



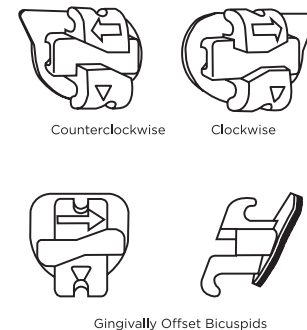
BRACKET ID CHART – Tip-Edge Rx-I Non-Extraction



Bicuspids

Arrows on the bicuspid represent the direction crowns should tip during initial treatment — either clockwise or counterclockwise. The bonding pad shape also points toward the direction of desired crown tipping.

Gingivally offset mandibular bicuspid brackets are available with brackets positioned gingivally on bonding pads to permit proper bonding height on partially erupted teeth.



Circles identify the upper brackets and triangles identify the lower brackets.

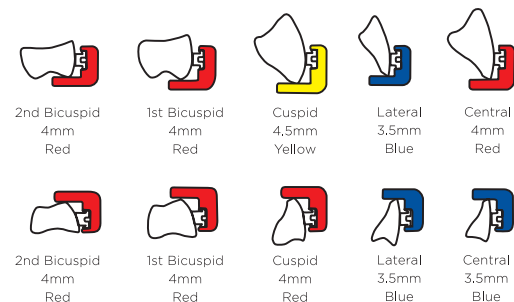
Positioning Jigs

Positioning jigs assure accurate incisogingival bracket placement and assist with sighting long axis crown angulations. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips.

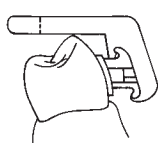
Universal jigs are also available without horizontal arms. This enables custom bonding to the height preferences of the operator. The increased occlusal length helps visually parallel the bracket with the long axis of the crown.



RECOMMENDED JIG HEIGHT



Green 5mm jigs are also available for cuspids.



Modified 45° Mandibular Bicuspid Jig



Universal Jigs are without an incisal stop on all brackets.



Original 90° Mandibular Bicuspid Jig

Advant-Edge® I Stainless Steel Brackets

Andrews† System with Vertical Slot

PATIENT KITS

Slot Size	With Hooks	Non-Oriented	Oriented on Incisal Jigs	Oriented on Step Jigs
0.46mm (.018")	Cuspid	294-020	294-026	294-038
	Cuspid/Bicuspid	294-021	294-027	294-039
	No Hooks	294-022	294-028	294-040
0.56mm (.022")	Cuspid	294-023	294-029	294-041
	Cuspid/Bicuspid	294-024	294-030	294-042
	No Hooks	294-025	294-031	294-043



Patented

Kits contain 20 bondable brackets with notched wing lower anteriors.

Incisal jigs are recommended jig heights.

MAXILLARY BRACKETS

				Bondable					
		Slot Size	Left/Right	Non-Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	Oriented Step Jig Red
Central		0.46mm	L	294-250	294-282	294-314	294-354		294-520
	Torque +7°	(.018")	R	294-251	294-283	294-315	294-355		294-521
	Tip +5°	0.56mm	L	294-252	294-284	294-316	294-356		294-522
		(.022")	R	294-253	294-285	294-317	294-357		294-523
Lateral		0.46mm	L	294-254	294-290	294-322	294-362		294-524
	Torque +3°	(.018")	R	294-255	294-291	294-323	294-363		294-525
	Tip +9°	0.56mm	L	294-256	294-292	294-324	294-364		294-526
		(.022")	R	294-257	294-293	294-325	294-365		294-527
Cuspid without Hook		0.46mm	L	294-258		294-330	294-370	294-394	294-528
	Torque -7°	(.018")	R	294-259		294-331	294-371	294-395	294-529
	Tip +11°	0.56mm	L	294-260		294-332	294-372	294-396	294-530
		(.022")	R	294-261		294-333	294-373	294-397	294-531
Cuspid with Distal Hook		0.46mm	L	294-262		294-334	294-374	294-398	294-532
	Torque -7°	(.018")	R	294-263		294-335	294-375	294-399	294-533
	Tip +11°	0.56mm	L	294-264		294-336	294-376	294-400	294-534
		(.022")	R	294-265		294-337	294-377	294-401	294-535
Bicuspid without Hook		0.46mm	L	294-066	294-098	294-138	294-178		294-466
	Torque -7°	(.018")	R	294-067	294-099	294-139	294-179		294-467
	Tip 0°	0.56mm	L	294-068	294-100	294-140	294-180		294-468
		(.022")	R	294-069	294-101	294-141	294-181		294-469
Bicuspid with Mesial Hook		0.46mm	L	294-070	294-102	294-142	294-182		294-470
	Torque -7°	(.018")	R	294-071	294-103	294-143	294-183		294-471
	Tip 0°	0.56mm	L	294-072	294-104	294-144	294-184		294-472
		(.022")	R	294-073	294-105	294-145	294-185		294-473

Recommended incisal jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, first bicuspid 4mm, second bicuspid 3.5mm.

Package of 5

† TPO does not imply authorization or endorsement by Dr. Andrews.

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable					Oriented Step Jig Yellow
			Non- Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	
Central Plain	0.46mm	L	294-550	294-582	294-614	294-654		
Torque -1°	(.018")	R	294-551	294-583	294-615	294-655		
Tip +2°	0.56mm	L	294-552	294-584	294-616	294-656		
	(.022")	R	294-553	294-585	294-617	294-657		
Central Notched	0.46mm	L	294-554	294-586	294-618	294-658		294-484
Torque -1°	(.018")	R	294-555	294-587	294-619	294-659		294-485
Tip +2°	0.56mm	L	294-556	294-588	294-620	294-660		294-486
	(.022")	R	294-557	294-589	294-621	294-661		294-487
Lateral Plain	0.46mm	L	294-550	294-590	294-622	294-662		
Torque -1°	(.018")	R	294-551	294-591	294-623	294-663		
Tip +2°	0.56mm	L	294-552	294-592	294-624	294-664		
	(.022")	R	294-553	294-593	294-625	294-665		
Lateral Notched	0.46mm	L	294-554	294-594	294-626	294-666		294-484
Torque -1°	(.018")	R	294-555	294-595	294-627	294-667		294-485
Tip +2°	0.56mm	L	294-556	294-596	294-628	294-668		294-486
	(.022")	R	294-557	294-597	294-629	294-669		294-487
Cuspid without Hook	0.46mm	L	294-558		294-630	294-670	294-694	294-488
Torque -11°	(.018")	R	294-559		294-631	294-671	294-695	294-489
Tip +5°	0.56mm	L	294-560		294-632	294-672	294-696	294-490
	(.022")	R	294-561		294-633	294-673	294-697	294-491
Cuspid with Distal Hook	0.46mm	L	294-562		294-634	294-674	294-698	294-492
Torque -11°	(.018")	R	294-563		294-635	294-675	294-699	294-493
Tip +5°	0.56mm	L	294-564		294-636	294-676	294-700	294-494
	(.022")	R	294-565		294-637	294-677	294-701	294-495
1st Bicuspid w/o Hook	0.46mm	L	294-566	294-598	294-638	294-678		294-496
Torque -17°	(.018")	R	294-567	294-599	294-639	294-679		294-497
Tip 0°	0.56mm	L	294-568	294-600	294-640	294-680		294-498
	(.022")	R	294-569	294-601	294-641	294-681		294-499
1st Bicuspid w/o Hook	0.46mm	L	294-426	294-442	294-512	294-544		294-744
Gingival Offset	(.018")	R	294-427	294-443	294-513	294-545		294-745
Torque -17°	0.56mm	L	294-428	294-444	294-514	294-546		294-746
Tip 0°	(.022")	R	294-429	294-445	294-515	294-547		294-747
1st Bicuspid with Hook	0.46mm	L	294-570	294-602	294-642	294-682		294-500
Torque -17°	(.018")	R	294-571	294-603	294-643	294-683		294-501
Tip 0°	0.56mm	L	294-572	294-604	294-644	294-684		294-502
	(.022")	R	294-573	294-605	294-645	294-685		294-503
1st Bicuspid with Hook	0.46mm	L	294-430	294-446	294-516	294-548		294-748
Gingival Offset	(.018")	R	294-431	294-447	294-517	294-549		294-749
Torque -17°	0.56mm	L	294-432	294-448	294-518	294-734		294-770
Tip 0°	(.022")	R	294-433	294-449	294-519	294-735		294-771
2nd Bicuspid w/o Hook	0.46mm	L	294-574	294-606	294-646	294-686		294-504
Torque -22°	(.018")	R	294-575	294-607	294-647	294-687		294-505
Tip 0°	0.56mm	L	294-576	294-608	294-648	294-688		294-506
	(.022")	R	294-577	294-609	294-649	294-689		294-507
2nd Bicuspid w/o Hook	0.46mm	L	294-434	294-474	294-536	294-736		294-772
Gingival Offset	(.018")	R	294-435	294-475	294-537	294-737		294-773
Torque -22°	0.56mm	L	294-436	294-476	294-538	294-738		294-774
Tip 0°	(.022")	R	294-437	294-477	294-539	294-739		294-775
2nd Bicuspid with Hook	0.46mm	L	294-578	294-610	294-650	294-690		294-508
Torque -22°	(.018")	R	294-579	294-611	294-651	294-691		294-509
Tip 0°	0.56mm	L	294-580	294-612	294-652	294-692		294-510
	(.022")	R	294-581	294-613	294-653	294-693		294-511
2nd Bicuspid with Hook	0.46mm	L	294-438	294-478	294-540	294-740		294-776
Gingival Offset	(.018")	R	294-439	294-479	294-541	294-741		294-777
Torque -22°	0.56mm	L	294-440	294-480	294-542	294-742		294-778
Tip 0°	(.022")	R	294-441	294-481	294-543	294-743		294-779

Recommended incisal jig heights: Mandibular anteriors 3.5mm, cuspid 4mm, bicuspids 4mm.

Package of 5

Advant-Edge® I Stainless Steel Brackets

Ricketts® System with Vertical Slot

PATIENT KITS

Slot Size	With Hooks	Non-Oriented	Oriented on Incisal Jigs	Oriented on Step Jigs
0.47mm (.0185")	Cuspid	294-032	294-080	294-035
	No Hooks	294-034	294-081	294-037

Kits contain 20 bondable brackets with notched wing lower anteriors, -7° torque lower first bicuspid and -14° torque lower second bicuspid.
Incisal jigs are recommended jig heights.



Patented

MAXILLARY BRACKETS

				Bondable						Weldable
		Slot Size	Left/Right	Non-Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	Oriented Step Jig Red	
Central		0.47mm								
Torque	+22°	(.0185")	L	294-750		294-858	294-876		294-760	
Tip	+5°		R	294-751		294-859	294-877		294-761	
Lateral		0.47mm								
Torque	+14°	(.0185")	L	294-752	294-850	294-860			294-762	
Tip	+9°		R	294-753	294-851	294-861			294-763	
Cuspid without Hook		0.47mm								
Torque	+7°	(.0185")	L	294-754		294-862	294-878	294-891	294-764	294-790
Tip	+11°		R	294-755		294-863	294-879	294-892	294-765	294-791
Cuspid with Distal Hook		0.47mm								
Torque	+7°	(.0185")	L	294-756		294-864	294-880	294-893	294-766	294-792
Tip	+11°		R	294-757		294-865	294-881	294-894	294-767	294-793
Universal Bi without Hook		0.47mm								
Torque	0°	(.0185")	L/R	294-758	294-852	294-866	294-882		294-768	294-794
Tip	0°									

Recommended incisal jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, first bicuspid 4mm, second bicuspid 3.5mm.
Package of 5

Advant-Edge® I Stainless Steel Brackets

Ricketts® System with Vertical Slot

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Non-Oriented	Oriented Incisal Jig 3.5mm Blue	Bondable		Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	Oriented Step Jig Yellow	Weldable
					Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	Oriented Step Jig Yellow			
Anterior Notched	0.47mm										
Torque -1°	(.0185")	L/R	294-796	294-853	294-867					294-806	
Tip 0°											
Cuspid without Hook	0.47mm										
Torque +7°	(.0185")	L	294-797		294-868	294-883	294-895	294-807	294-838		
Tip +5°		R	294-798		294-869	294-884	294-896	294-808	294-839		
Cuspid with Distal Hook	0.47mm										
Torque +7°	(.0185")	L	294-799		294-870	294-885	294-897	294-809	294-840		
Tip +5°		R	294-801		294-871	294-886	294-898	294-811	294-841		
1st Bicuspid without Hook	0.47mm										
Torque -7°	(.0185")	L	294-802	294-854	294-872	294-887		294-812	294-842		
Tip 0°		R	294-803	294-855	294-873	294-888		294-813	294-843		
2nd Bicuspid without Hook	0.47mm										
Torque -14°	(.0185")	L	294-804	294-856	294-874	294-889		294-814	294-844		
Tip 0°		R	294-805	294-857	294-875	294-890		294-815	294-845		
Universal Bi without Hook	0.47mm										
Torque 0°	(.0185")	L/R	294-758	294-852	294-866	294-882		294-769	294-794		
Tip 0°											

Recommended incisal jig heights: Mandibular anteriors 3.5mm, cuspid 4mm, bicuspid 4mm.
Package of 5

Advant-Edge® I Stainless Steel Brackets

Compatible with the Roth system: not endorsed by Dr. Roth; with Vertical Slot

PATIENT KITS

Slot Size	With Hooks	Non-Oriented	Oriented on Incisal Jigs	Oriented on Step Jigs
0.46mm (.018")	Cuspid	294-000	294-006	294-044
	Cuspid/Bicuspid	294-001	294-007	294-045
	No Hooks	294-002	294-008	294-046
0.56mm (.022")	Cuspid	294-003	294-009	294-047
	Cuspid/Bicuspid	294-004	294-010	294-048
	No Hooks	294-005	294-011	294-049
Upper 5-5 Kit .022" with Cuspid/Bicuspid Hooks				294-0016
Lower 5-5 Kit .022" with Cuspid/Bicuspid Hooks				294-0017

Kits contain 20 bondable brackets with notched wing lower anteriors.
Incisal jigs are recommended heights.



Patented

MAXILLARY BRACKETS

			Bondable					
	Slot Size	Left/Right	Non-Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	Oriented Step Jig Red
Central	0.46mm	L	294-050	294-082	294-114	294-154		294-450
Torque +12°	(.018")	R	294-051	294-083	294-115	294-155		294-451
Tip +5°	0.56mm	L	294-052	294-084	294-116	294-156		294-452
	(.022")	R	294-053	294-085	294-117	294-157		294-453
Lateral	0.46mm	L	294-054	294-090	294-122	294-162		294-454
Torque +8°	(.018")	R	294-055	294-091	294-123	294-163		294-455
Tip +9°	0.56mm	L	294-056	294-092	294-124	294-164		294-456
	(.022")	R	294-057	294-093	294-125	294-165		294-457
Cuspid without Hook	0.46mm	L	294-058		294-130	294-170	294-194	294-458
Torque -2°	(.018")	R	294-059		294-131	294-171	294-195	294-459
Tip +11°	0.56mm	L	294-060		294-132	294-172	294-196	294-460
	(.022")	R	294-061		294-133	294-173	294-197	294-461
Cuspid with Distal Hook	0.46mm	L	294-062		294-134	294-174	294-198	294-462
Torque -2°	(.018")	R	294-063		294-135	294-175	294-199	294-463
Tip +11°	0.56mm	L	294-064		294-136	294-176	294-200	294-464
	(.022")	R	294-065		294-137	294-177	294-201	294-465
Bicuspid without Hook	0.46mm	L	294-066	294-098	294-138	294-178		294-466
Torque -7°	(.018")	R	294-067	294-099	294-139	294-179		294-467
Tip 0°	0.56mm	L	294-068	294-100	294-140	294-180		294-468
	(.022")	R	294-069	294-101	294-141	294-181		294-469
Bicuspid with Mesial Hook	0.46mm	L	294-070	294-102	294-142	294-182		294-470
Torque -7°	(.018")	R	294-071	294-103	294-143	294-183		294-471
Tip 0°	0.56mm	L	294-072	294-104	294-144	294-184		294-472
	(.022")	R	294-073	294-105	294-145	294-185		294-473

Recommended incisal jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, first bicuspid 4mm, second bicuspid 3.5mm.

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable					Oriented Step Jig Yellow
			Non- Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	
Central Plain	0.46mm	L	294-550	294-582	294-614	294-654		
Torque -1°	(.018")	R	294-551	294-583	294-615	294-655		
Tip +2°	0.56mm	L	294-552	294-584	294-616	294-656		
	(.022")	R	294-553	294-585	294-617	294-657		
Central Notched	0.46mm	L	294-554	294-586	294-618	294-658		294-484
Torque -1°	(.018")	R	294-555	294-587	294-619	294-659		294-485
Tip +2°	0.56mm	L	294-556	294-588	294-620	294-660		294-486
	(.022")	R	294-557	294-589	294-621	294-661		294-487
Lateral Plain	0.46mm	L	294-550	294-590	294-622	294-662		
Torque -1°	(.018")	R	294-551	294-591	294-623	294-663		
Tip +2°	0.56mm	L	294-552	294-592	294-624	294-664		
	(.022")	R	294-553	294-593	294-625	294-665		
Lateral Notched	0.46mm	L	294-554	294-594	294-626	294-666		294-484
Torque -1°	(.018")	R	294-555	294-595	294-627	294-667		294-485
Tip +2°	0.56mm	L	294-556	294-596	294-628	294-668		294-486
	(.022")	R	294-557	294-597	294-629	294-669		294-487
Cuspid without Hook	0.46mm	L	294-558		294-630	294-670	294-694	294-488
Torque -11°	(.018")	R	294-559		294-631	294-671	294-695	294-489
Tip +5°	0.56mm	L	294-560		294-632	294-672	294-696	294-490
	(.022")	R	294-561		294-633	294-673	294-697	294-491
Cuspid with Distal Hook	0.46mm	L	294-562		294-634	294-674	294-698	294-492
Torque -11°	(.018")	R	294-563		294-635	294-675	294-699	294-493
Tip +5°	0.56mm	L	294-564		294-636	294-676	294-700	294-494
	(.022")	R	294-565		294-637	294-677	294-701	294-495
1st Bicuspid w/o Hook	0.46mm	L	294-566	294-598	294-638	294-678		294-496
Torque -17°	(.018")	R	294-567	294-599	294-639	294-679		294-497
Tip 0°	0.56mm	L	294-568	294-600	294-640	294-680		294-498
	(.022")	R	294-569	294-601	294-641	294-681		294-499
1st Bicuspid w/o Hook	0.46mm	L	294-426	294-442	294-512	294-544		294-744
Gingival Offset	(.018")	R	294-427	294-443	294-513	294-545		294-745
Torque -17°	0.56mm	L	294-428	294-444	294-514	294-546		294-746
Tip 0°	(.022")	R	294-429	294-445	294-515	294-547		294-747
1st Bicuspid with Hook	0.46mm	L	294-570	294-602	294-642	294-682		294-500
Torque -17°	(.018")	R	294-571	294-603	294-643	294-683		294-501
Tip 0°	0.56mm	L	294-572	294-604	294-644	294-684		294-502
	(.022")	R	294-573	294-605	294-645	294-685		294-503
1st Bicuspid with Hook	0.46mm	L	294-430	294-446	294-516	294-548		294-748
Gingival Offset	(.018")	R	294-431	294-447	294-517	294-549		294-749
Torque -17°	0.56mm	L	294-432	294-448	294-518	294-734		294-770
Tip 0°	(.022")	R	294-433	294-449	294-519	294-735		294-771
2nd Bicuspid w/o Hook	0.46mm	L	294-574	294-606	294-646	294-686		294-504
Torque -22°	(.018")	R	294-575	294-607	294-647	294-687		294-505
Tip 0°	0.56mm	L	294-576	294-608	294-648	294-688		294-506
	(.022")	R	294-577	294-609	294-649	294-689		294-507
2nd Bicuspid w/o Hook	0.46mm	L	294-434	294-474	294-536	294-736		294-772
Gingival Offset	(.018")	R	294-435	294-475	294-537	294-737		294-773
Torque -22°	0.56mm	L	294-436	294-476	294-538	294-738		294-774
Tip 0°	(.022")	R	294-437	294-477	294-539	294-739		294-775
2nd Bicuspid with Hook	0.46mm	L	294-578	294-610	294-650	294-690		294-508
Torque -22°	(.018")	R	294-579	294-611	294-651	294-691		294-509
Tip 0°	0.56mm	L	294-580	294-612	294-652	294-692		294-510
	(.022")	R	294-581	294-613	294-653	294-693		294-511
2nd Bicuspid with Hook	0.46mm	L	294-438	294-478	294-540	294-740		294-776
Gingival Offset	(.018")	R	294-439	294-479	294-541	294-741		294-777
Torque -22°	0.56mm	L	294-440	294-480	294-542	294-742		294-778
Tip 0°	(.022")	R	294-441	294-481	294-543	294-743		294-779

Recommended incisal jig heights: Mandibular anteriors 3.5mm, cuspid 4mm, bicuspids 4mm.
Package of 5

Advant-Edge® II Stainless Steel Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

PATIENT KITS

Slot Size	With Hooks	Non-Oriented	Oriented on Incisal Jigs	Oriented on Step Jigs
0.46mm (.018")	Cuspid	295-000	295-006	295-003
	Cuspid/Bicuspid	295-001	295-007	295-004
	No Hooks	295-002	295-008	295-005
0.56mm (.022")	Cuspid	295-010	295-016	295-013
	Cuspid/Bicuspid	295-011	295-017	295-014
	No Hooks	295-012	295-018	295-015



Patented

Kits contain 20 bondable brackets with notched wing lower anteriors.

Incisal jigs are recommended heights.

MAXILLARY BRACKETS

			Bondable						Weldable
	Slot Size	Left/ Right	Non-Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red	Oriented Incisal Jig 4.5mm Yellow	Oriented Incisal Jig 5mm Green	Oriented Step Jig Red	
Central	0.46mm	L	295-050	295-370	295-386	295-410		295-070	
Torque +12°	(.018")	R	295-051	295-371	295-387	295-411		295-071	
Tip +5°	0.56mm	L	295-250	295-372	295-388	295-412		295-270	
	(.022")	R	295-251	295-373	295-389	295-413		295-271	
Lateral	0.46mm	L	295-052	295-374	295-390	295-414		295-072	
Torque +8°	(.018")	R	295-053	295-375	295-391	295-415		295-073	
Tip +9°	0.56mm	L	295-252	295-376	295-392	295-416		295-272	
	(.022")	R	295-253	295-377	295-393	295-417		295-273	
Cuspid without Hook	0.46mm	L	295-054		295-394	295-418	295-434	295-074	295-094
Torque -2°	(.018")	R	295-055		295-395	295-419	295-435	295-075	295-095
Tip +11°	0.56mm	L	295-254		295-396	295-420	295-436	295-274	295-294
	(.022")	R	295-255		295-397	295-421	295-437	295-275	295-295
Cuspid with Distal Hook	0.46mm	L	295-056		295-398	295-422	295-438	295-076	295-096
Torque -2°	(.018")	R	295-057		295-399	295-423	295-439	295-077	295-097
Tip +11°	0.56mm	L	295-256		295-400	295-424	295-440	295-276	295-296
	(.022")	R	295-257		295-401	295-425	295-441	295-277	295-297
Bicuspid without Hook	0.46mm	L/R	295-058	295-378	295-402	295-426		295-078	295-098
Torque -7°	(.018")								
Tip 0°	0.56mm	L/R	295-258	295-380	295-404	295-428		295-278	295-298
	(.022")								
Bicuspid with Mesial Hook	0.46mm	L	295-059	295-382	295-406	295-430		295-079	295-099
Torque -7°	(.018")	R	295-060	295-383	295-407	295-431		295-080	295-100
Tip 0°	0.56mm	L	295-259	295-384	295-408	295-432		295-279	295-299
	(.022")	R	295-260	295-385	295-409	295-433		295-280	295-300

Recommended incisal jig heights: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, first bicuspid 4mm, second bicuspid 3.5mm.

Package of 5

Advant-Edge® II Stainless Steel Brackets

Compatible with the Roth system: not endorsed by Dr. Roth

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Non-Oriented	Bondable Oriented Incisal Jig 3.5mm Blue	Bondable Oriented Incisal Jig 4mm Red	Bondable Oriented Incisal Jig 4.5mm Yellow	Bondable Oriented Incisal Jig 5mm Green	Bondable Oriented Step Jig Yellow	Weldable
Universal Ant Notched	0.46mm (.018")	L/R	295-101	295-442	295-462	295-490		295-121	
Torque -1°									
Tip 0°	0.56mm (.022")	L/R	295-301	295-444	295-464	295-492		295-321	
Cuspid without Hook	0.46mm (.018")	L	295-102		295-466	295-494	295-518	295-122	295-153
Torque -11°		R	295-103		295-467	295-495	295-519	295-123	295-154
Tip +5°	0.56mm (.022")	L	295-302		295-468	295-496	295-520	295-322	295-353
		R	295-303		295-469	295-497	295-521	295-323	295-354
Cuspid with Distal Hook	0.46mm (.018")	L	295-104		295-470	295-498	295-522	295-124	295-155
Torque -11°		R	295-105		295-471	295-499	295-523	295-125	295-156
Tip +5°	0.56mm (.022")	L	295-304		295-472	295-500	295-524	295-324	295-355
		R	295-305		295-473	295-501	295-525	295-325	295-356
1st Bicuspid w/o Hook	0.46mm (.018")	L	295-106	295-446	295-474	295-502		295-126	295-157
Torque -17°		R	295-107	295-447	295-475	295-503		295-127	295-158
Tip 0°	0.56mm (.022")	L	295-306	295-448	295-476	295-504		295-326	295-357
		R	295-307	295-449	295-477	295-505		295-327	295-358
1st Bicuspid w/o Hook	0.46mm (.018")	L	295-165	295-527	295-543	295-559		295-134	
Gingival Offset		R	295-166	295-528	295-544	295-560		295-135	
Torque -17°	0.56mm (.022")	L	295-173	295-529	295-545	295-561		295-344	
Tip 0°		R	295-174	295-530	295-546	295-562		295-345	
1st Bicuspid with Hook	0.46mm (.018")	L	295-108	295-450	295-478	295-506		295-128	295-159
Torque -17°		R	295-109	295-451	295-479	295-507		295-129	295-160
Tip 0°	0.56mm (.022")	L	295-308	295-452	295-480	295-508		295-328	295-359
		R	295-309	295-453	295-481	295-509		295-329	295-360
1st Bicuspid with Hook	0.46mm (.018")	L	295-167	295-531	295-547	295-563		295-136	
Gingival Offset		R	295-168	295-532	295-548	295-564		295-137	
Torque -17°	0.56mm (.022")	L	295-175	295-533	295-549	295-565		295-346	
Tip 0°		R	295-176	295-534	295-550	295-566		295-347	
2nd Bicuspid w/o Hook	0.46mm (.018")	L	295-110	295-454	295-482	295-510		295-130	295-161
Torque -22°		R	295-111	295-455	295-483	295-511		295-131	295-162
Tip 0°	0.56mm (.022")	L	295-310	295-456	295-484	295-512		295-340	295-361
		R	295-311	295-457	295-485	295-513		295-341	295-362
2nd Bicuspid w/o Hook	0.46mm (.018")	L	295-169	295-535	295-551	295-567		295-138	
Gingival Offset		R	295-170	295-536	295-552	295-568		295-139	
Torque -22°	0.56mm (.022")	L	295-177	295-537	295-553	295-569		295-348	
Tip 0°		R	295-178	295-538	295-554	295-570		295-349	
2nd Bicuspid with Hook	0.46mm (.018")	L	295-112	295-458	295-486	295-514		295-132	295-163
Torque -22°		R	295-113	295-459	295-487	295-515		295-133	295-164
Tip 0°	0.56mm (.022")	L	295-312	295-460	295-488	295-516		295-342	295-363
		R	295-313	295-461	295-489	295-517		295-343	295-364
2nd Bicuspid with Hook	0.46mm (.018")	L	295-171	295-539	295-555	295-571		295-140	
Gingival Offset		R	295-172	295-540	295-556	295-572		295-141	
Torque -22°	0.56mm (.022")	L	295-179	295-541	295-557	295-573		295-350	
Tip 0°		R	295-180	295-542	295-558	295-574		295-351	

Recommended incisal jig heights: Mandibular anteriors 3.5mm, cuspid 4mm, bicuspids 4mm.

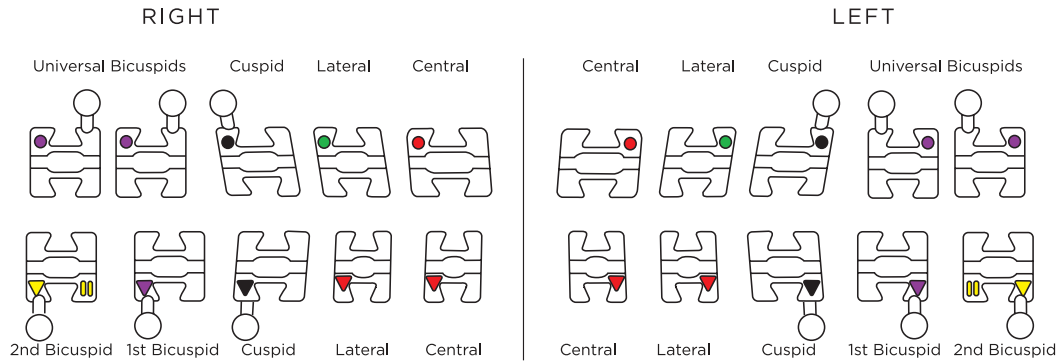
Package of 5

Advant-Edge®

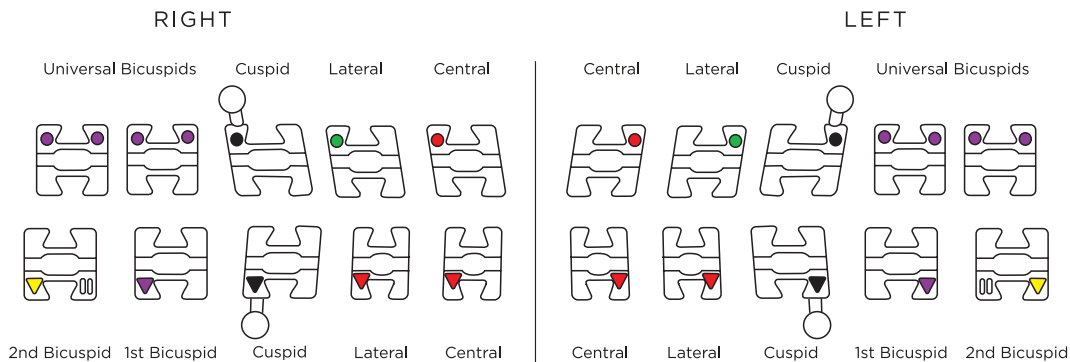
Stainless Steel Brackets



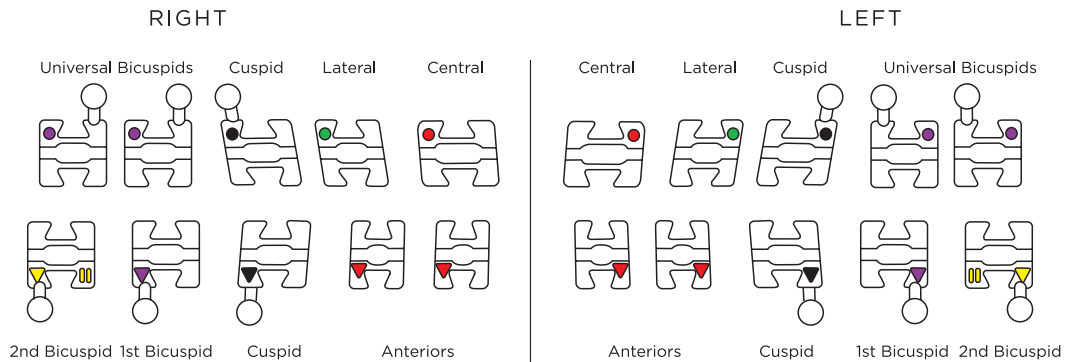
BRACKET ID CHART - Advant-Edge Andrews



BRACKET ID CHART - Advant-Edge Ricketts®



BRACKET ID CHART - Advant-Edge Roth



Circles identify the upper brackets and triangles identify the lowers. Two small bars identify lower second bicuspid.

Advant-Edge®

Stainless Steel Brackets



Advant-Edge I and Advant-Edge II

The Advant-Edge system provides two treatment options in the Roth prescription. Roth System brackets are available with or without vertical slots.

Roth Advant-Edge I

Features a vertical slot that accepts auxiliaries up to 0.46 mm (.018"). Auxiliaries can be extremely useful when correcting individual teeth.



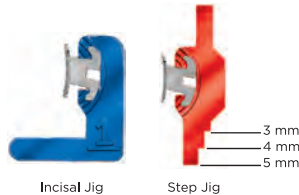
Roth Advant-Edge II

Made without a vertical slot for those who prefer to use traditional straight arch treatment procedures. Advant-Edge II offers a slightly lower labiolingual profile height.

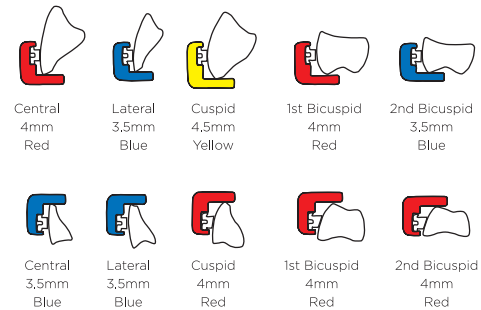
Positioning Jigs

Positioning jigs assure accurate incisogingival bracket placement and assist with sighting long axis crown angulations. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips.

Two jig designs are available, incisal jigs or step jigs. Patient kits that contain incisal jigs will have brackets oriented on recommended jig heights.



RECOMMENDED JIG HEIGHT

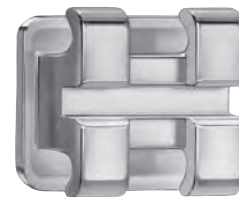


Green 5mm jigs are also available for cuspids.

Twin-Edge® Stainless Steel Brackets

Standard Edgewise

Twin-Edge Standard Edgewise brackets feature archwire slots that maintain a constant 90° angle to the bracket base. Made from strong and smooth stainless steel with twin tie wings for added control Twin-Edge Standard Edgewise brackets have a vertical slot that accepts auxiliaries, including rotating springs, uprighting springs, power hooks, power pins, bi-level pins, torquing auxiliaries, and positioning jigs.



Bondable with Vertical Slot

PATIENT KITS

Slot Size	Non-Oriented	Oriented on Jigs
0.46mm (.018")	209-861	209-860
0.56mm (.022")	209-866	209-865

Kits contain 20 bondable brackets of conventional widths on recommended jig heights.

BONDABLE BRACKETS

	Slot Size	Width		Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green
Lower Anterior	0.46mm (.018")	Single		209-901	209-801	209-802	209-803	
		Narrow Twin		209-903	209-804	209-805	209-806	
	0.56mm (.022")	Single		209-902	209-828	209-829	209-830	
		Narrow Twin		209-904	209-831	209-832	209-833	
Upper Central	0.46mm (.018")	Narrow Twin		209-905	209-807	209-808	209-809	209-855
		Medium Twin		209-907	209-810	209-811	209-812	209-856
		Wide Twin		209-909	209-813	209-814	209-815	209-857
	0.56mm (.022")	Narrow Twin		209-906	209-834	209-835	209-836	209-858
		Medium Twin		209-908	209-837	209-838	209-839	209-859
		Wide Twin		209-910	209-840	209-841	209-842	209-867
Upper Lateral	0.46mm (.018")	Narrow Twin		209-905	209-807	209-808	209-809	
		Medium Twin		209-907	209-810	209-811	209-812	
	0.56mm (.022")	Narrow Twin		209-906	209-834	209-835	209-836	
		Medium Twin		209-908	209-837	209-838	209-839	
Cuspid	0.46mm (.018")	Narrow Twin		209-929	209-816	209-817	209-818	209-868
		Medium Twin		209-931	209-819	209-820	209-821	209-869
	0.56mm (.022")	Narrow Twin		209-930	209-843	209-844	209-845	209-870
		Medium Twin		209-932	209-846	209-847	209-848	209-871
Bicuspid	0.46mm (.018")	Narrow Twin		209-939	209-822	209-823	209-824	
		Medium Twin		209-941	209-825	209-826	209-827	
	0.56mm (.022")	Narrow Twin		209-940	209-849	209-850	209-851	
		Medium Twin		209-942	209-852	209-853	209-854	
Lower Bicuspid	0.46mm (.018")	Narrow Twin		209-943	209-947	209-951	209-955	
		Medium Twin		209-944	209-948	209-952	209-956	
Gingival Offset	0.56mm (.022")	Narrow Twin		209-945	209-949	209-953	209-957	
		Medium Twin		209-946	209-950	209-954	209-958	

Package of 10

TPO[®] Single Patient Pack

Orthodontic supplies
for one patient

COMPLETE PATIENT PACKS

2.5 COMPLETE PATIENT PACKS



TP Orthodontics, Inc.
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cosmeticbraces.com

COMPLETE PATIENT PACKS

Metal Bracket Kits

Metal Self-Ligating Bracket Kits

Combination Bracket Kits

Aesthetic Bracket Kits

TPO® Complete Patient Packs

Each single patient pack includes products for single patient treatment.

Single Patient Packs are available with Metal brackets, Combination of Aesthetic Metal brackets and Aesthetic bracket kits.



Metal Bracket Kit Description

	Prescription	Patient Kit Number
Nu-Edge MBT .018 Complete Patient Pack	.018 MBT	293-291P
Nu-Edge MBT .022 Complete Patient Pack	.022 MBT	293-294P
Nu-Edge ROTH .018 Complete Patient Pack	.018 ROTH	293-106P
Nu-Edge ROTH .022 Complete Patient Pack	.022 ROTH	293-107P

Metal Self-Ligating Bracket Kit Description

	Prescription	Patient Kit Number
Nu-Edge Self-Ligating MBT .018 Complete Patient Pack	.018 MBT	293-291SLP
Nu-Edge Self-Ligating MBT .022 Complete Patient Pack	.022 MBT	293-294SLP
Nu-Edge Self-Ligating ROTH .018 Complete Patient Pack	.018 ROTH	293-106SLP
Nu-Edge Self-Ligating ROTH .022 Complete Patient Pack	.022 ROTH	293-107SLP

Combination Bracket Kit Description

	Prescription	Patient Kit Number
ClearVu Aesthetic Upper and Nu-Edge Lower MBT 018 Comb Complete Patient Pack	.018 MBT	297-031CVP
ClearVu Aesthetic Upper and Nu-Edge Lower MBT 022 Comb Complete Patient Pack	.022 MBT	297-036CVP
ClearVu Aesthetic Upper and Nu-Edge Lower ROTH 018 Comb Complete Patient Pack	.018 ROTH	297-051CVP
ClearVu Aesthetic Upper and Nu-Edge Lower ROTH022 Comb Complete Patient Pack	.022 ROTH	297-056CVP

Aesthetic Bracket Kit Description

	Prescription	Patient Kit Number
ClearVu MBT .018 Complete Patient Pack	.018 MBT	297-410CVP
ClearVu MBT .022 Complete Patient Pack	.022 MBT	297-411CVP
ClearVu ROTH .018 Complete Patient Pack	.018 ROTH	297-406CVP
ClearVu ROTH .022 Complete Patient Pack	.022 ROTH	297-407CVP

Kits Include:

All Metal Kits

1 Bracket Kit
8 ULP Tubes
8 Mini Stix Clear
Reflex Round, 2 pcs
Reflex Rectangular, 2 pcs
Shiny Bright Rectangular, 4 pcs
eXact Adhesive Syringe

Combination Kits

1 Bracket Kit
8 ULP Tubes
8 Mini Stix Clear
Aesthetic Reflex Round, 1 pc
Reflex Round, 1 pc
Aesthetic Reflex Rectangular, 1 pc
Reflex Rectangular, 1 pc
Aesthetic Shiny Bright Rectangular, 2 pcs
Shiny Bright Rectangular, 2 pcs
eXact Adhesive Syringe
Light Cure Sealant

Aesthetic Kits

1 Bracket Kit
8 ULP Tubes
8 Mini Stix Clear
Aesthetic Reflex Round, 2 pcs
Aesthetic Reflex Rectangular, 2 pcs
Aesthetic Shiny Bright Rectangular, 4 pcs
eXact Adhesive Syringe
Light Cure Sealant

Notes:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Visit us online at **tportho.com**

3 TUBES, LINGUAL ATTACHMENTS AND BANDS



TP Orthodontics, Inc.
tportho.com
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TUBES, LINGUALS AND BANDS

First Molar Tubes

- Ultra Low Profile
- Big Foot and Small Foot Bondable Pads
- Single
- NV® Hybrid
- Single Convertible
- Combination Convertible
- Combination Convertible Rotation
- Combination Convertible Lip Bumper
- Double
- Double Convertible
- Triple
- Triple Convertible
- Triple Convertible Rotation

Second Molar Tubes

- Single

First Molar Tubes with Easy-Out®

- Combination Non-Convertible
Slant Back
- Combination Double Convertible
Slant Back
- Combination Non-Convertible Flat Back
- Triple

Lingual Attachments

- Lingual Buttons
- Molar Cleat
- Cleat-Lug
- Lingual Hooks
- Seating Lug-Hook
- Lingual Cleats
- Molar Sheath

Grip Tite® First Molar Bands

Prewelding Service

Pre-Fit® Bands

- First and Second Molar
- Bicuspid
- Cuspid
- Anterior

PrimeKote®

All metal bonding pads incorporate TPO exclusive **PrimeKote** technology that increases bond strength and reduces the possibility of moisture contamination.

- **PrimeKote** provides a significantly stronger, fatigue-resistant bond between mesh and adhesive.
- **PrimeKote** also simplifies removal by retaining most of the adhesive on the pad which reduces enamel clean up.

Ultra Low Profile Molar Tubes Single

Ultra Low Profile molar tubes have a slim design for patient comfort and a contoured pad for a better fit. As with all of our bondable tubes and metal brackets, Ultra Low Profile molar tubes incorporate PrimeKote technology to reduce the possibility of moisture contamination while enhancing bond strength. Positioning guides and a buccal groove indent assure ease of placement.



First Molar Tube
without offset

6 | 6 Upper First Molars—Ultra Low Profile

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	4.0	-10°	0°	0°	L	391-738	391-742
					R	391-739	391-743
	4.5	-14°	0°	10°	L	391-930	391-934
					R	391-931	391-935
0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	0°	L	391-740	391-746
					R	391-741	391-747
	4.5	-14°	0°	10°	L	391-932	391-936
					R	391-933	391-937

Package of 10

6 | 6 Lower First Molars—Ultra Low Profile

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	4.0	-10°	0°	0°	L	391-739	391-748
		-20°	0°	0°	R	391-738	391-749
	4.5	-25°	0°	0°	L	391-814	391-816
					R	391-815	391-817
0.56 x 0.71mm (.022" x .028")	4.0	-25°	0°	0°	L	391-938	391-942
					R	391-939	391-943
	4.0	-10°	0°	0°	L	391-741	391-750
		-20°	0°	0°	R	391-740	391-751
	4.5	-25°	0°	0°	L	391-820	391-822
					R	391-821	391-823
	4.5	-25°	0°	0°	L	391-940	391-944
					R	391-941	391-945

Package of 10

Ultra Low Profile Molar Tubes Single

7 | 7 Upper Second Molars—Ultra Low Profile

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	3.2	-14°	0°	10°	L	391-946	391-950
					R	391-947	391-951
0.56 x 0.71mm (.022" x .028")	3.2	-14°	0°	10°	L	391-948	391-952
					R	391-949	391-953

Package of 10



Second Molar Tube
with offset

7 | 7 Lower Second Molars—Ultra Low Profile

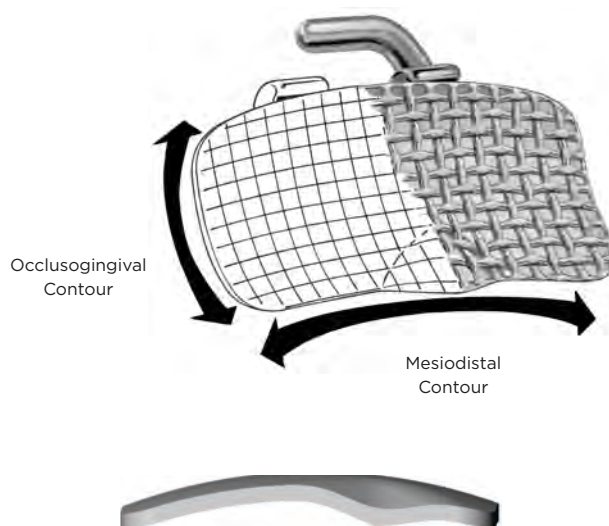
Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	3.2	-25°	0°	5°	L	391-954	391-958
					R	391-955	391-959
0.56 x 0.71mm (.022" x .028")	3.2	-25°	0°	5°	L	391-956	391-960
					R	391-957	391-961

Package of 10

Big Foot and Small Foot Bondable Pads

Contoured for a Better Fit

Big Foot and Small Foot bondable pads conform to the natural buccal surface of first molars. A mesiodistal contour and an occlusogingival contour assure maximum adaptation to the molar's buccal bonding surface to maximize bond strength.

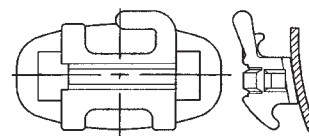


Buccal Groove Indent for Better Fit and Positioning

Big Foot and Small Foot pads include an occlusal indent that conforms to the buccal groove indent on first molars. Proper fit into the buccal indent delivers stronger bonds and helps with more accurate positioning when bonding. Upper pads have a centered indent, while lower pads have a mesially offset indent.

Pads Offered in Two Sizes

In most cases, pads are offered in two sizes. Small Foot pads measure 6.60mm (.260") in length and Big Foot pads measure 8.25mm (.325") in length. The height of both pads is 3.55mm (.140").



Upper and lower tubes are centered on bonding pads mesiodistally and occlusogingivally.

First Molar Tubes

Single

6/6 Upper First Molar with Distal Extension

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable		
							Original Pad .182"	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-10°	0°	14°	L	391-608	391-600	391-474	391-490
					R	391-609	391-601	391-475	391-491
		-14°	0°	14°	L	391-610	391-602	391-476	391-492
					R	391-611	391-603	391-477	391-493
0.56 x 0.71mm (.022" x .028")	4.2	-10°	0°	14°	L	391-624	391-616	391-478	391-494
					R	391-625	391-617	391-479	391-495
		-14°	0°	14°	L	391-626	391-618	391-480	391-496
					R	391-627	391-619	391-481	391-497

Package of 10

Upper Right Shown



6/6 Lower First Molar with Distal Extension

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable		
							Original Pad .182"	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-25°	0°	4°	L	391-612	391-604	391-482	391-498
					R	391-613	391-605	391-483	391-499
		-30°	2°	4°	L	391-614	391-606	391-484	391-576
					R	391-615	391-607	391-485	391-577
0.56 x 0.71mm (.022" x .028")	4.2	-25°	0°	4°	L	391-628	391-620	391-486	391-578
					R	391-629	391-621	391-487	391-579
		-30°	2°	4°	L	391-630	391-622	391-488	391-580
					R	391-631	391-623	391-489	391-581

Package of 10

Lower Right Shown



6/6 Upper First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable		
							Original Pad .260"	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.0	0°	0°	0°	L	391-002L	210-396L	391-582	391-590
					R	391-002R	210-396R	391-583	391-591
		-14°	0°	10°	L	391-830		391-834	391-838
					R	391-831		391-835	391-839
0.56 x 0.71mm (.022" x .028")	4.0	0°	0°	0°	L	391-012L	210-397L	391-584	391-592
					R	391-012R	210-397R	391-585	391-593
		-14°	0°	10°	L	391-832		391-836	391-840
					R	391-833		391-837	391-841

Package of 10

Upper Right Shown



First Molar Tubes

Single

6/6 Lower First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable		
							Original Pad .260"	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.0	0°	0°	0°	L	391-002R	210-396R	391-586	391-594
					R	391-002L	210-396L	391-587	391-595
0.56 x 0.71mm (.022" x .028")	4.0	0°	0°	0°	L	391-012R	210-397R	391-588	391-596
					R	391-012L	210-397L	391-589	391-597

Package of 10

Lower Right Shown



6/6 Upper First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable
0.46 x 0.64mm (.018" x .025")	4.5	-10°	0°	6°	L	391-076L
					R	391-075R
0.56 x 0.71mm (.022" x .028")	4.5	-10°	0°	6°	L	391-080L
					R	391-079R

Package of 10

Upper Right Shown



6/6 Lower First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable
0.46 x 0.64mm (.018" x .025")	4.5	-25°	0°	2°	L	391-078L
					R	391-077R
				6°	L	391-068
					R	391-069
0.56 x 0.71mm (.022" x .028")	4.5	-25°	0°	2°	L	391-082L
					R	391-081R
				6°	L	391-070
					R	391-071

Package of 10

Lower Right Shown



6/6 Upper and Lower First Molars

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable
0.46 x 0.64mm (.018" x .025")	5.5	0°	0°	0°	UL/LR	210-493L
					UR/LL	210-493R
0.56 x 0.71mm (.022" x .028")	5.5	0°	0°	0°	UL/LR	210-393L
					UR/LL	210-393R

Package of 10

Lower Right Shown

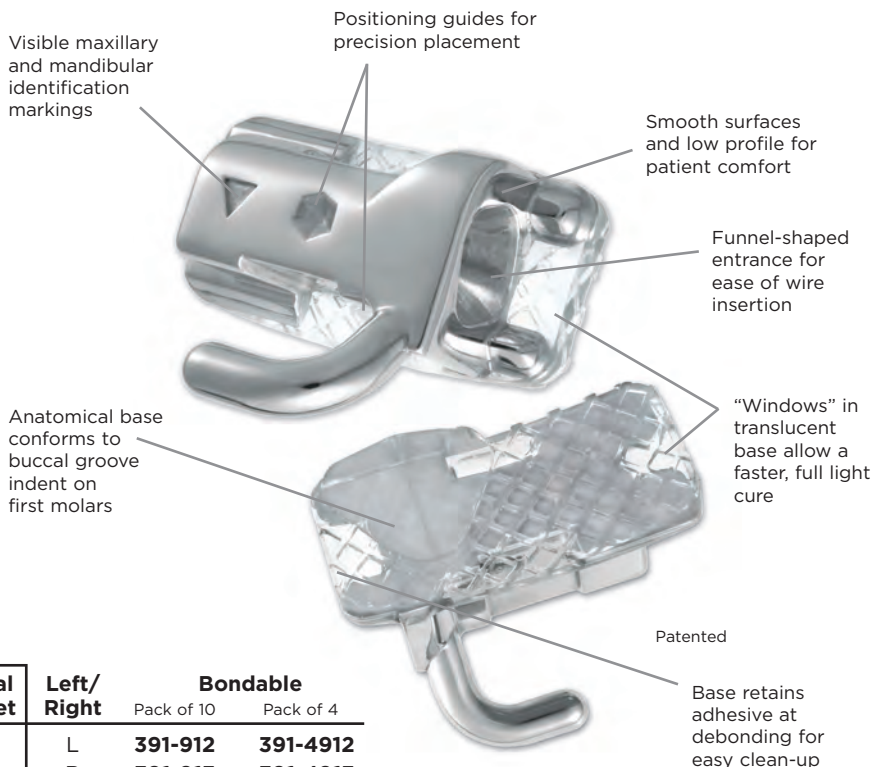


NV® Hybrid Single First Molar Tubes

Low Profile with Polymer Mesh Base

The NV Hybrid first molar tube is the only bondable tube that features a translucent polymer mesh base.

The base allows light to fully penetrate while light curing, increasing stability and reliability throughout the course of treatment.



6/6 Upper First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable	
						Pack of 10	Pack of 4
0.46 x 0.64mm (.018" x .025")	4.0	-10°	0°	6°	L	391-912	391-4912
					R	391-913	391-4913
		-14°	0°	10°	L	391-916	391-4916
					R	391-917	391-4917
0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	6°	L	391-914	391-4914
					R	391-915	391-4915
		-14°	0°	10°	L	391-918	391-4918
					R	391-919	391-4919

Package of 10

6/6 Lower First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable	
						Pack of 10	Pack of 4
0.46 x 0.64mm (.018" x .025")	4.0	-20°	0°	0°	L	391-920	391-4920
					R	391-921	391-4921
		-25°	0°	0°	L	391-924	391-4924
					R	391-925	391-4925
0.56 x 0.71mm (.022" x .028")	4.0	-20°	0°	0°	L	391-922	391-4922
					R	391-923	391-4923
		-25°	0°	0°	L	391-926	391-4926
					R	391-927	391-4927

Package of 10

First Molar Tubes

Single Convertible

6|6 Upper First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable		
							Original Pad .182"	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-10°	0°	4°	L	391-520	391-528	391-652	391-660
					R	391-521	391-529	391-653	391-661
		0°	0°	4°	L	391-522	391-530		
					R	391-523	391-531		
0.56 x 0.71mm (.022" x .028")	4.2	-10°	0°	4°	L	391-524	391-532	391-654	391-662
					R	391-525	391-533	391-655	391-663
		0°	0°	4°	L	391-526	391-534		
					R	391-527	391-535		

Package of 10

Upper Right Shown



6|6 Lower First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable		
							Original Pad .182"	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-25°	0°	4°	L	391-536	391-544	391-656	391-664
					R	391-537	391-545	391-657	391-665
		-20°	0°	0°	L	391-256		391-776	391-780
					R	391-257		391-777	391-781
		0°	0°	4°	L	391-552	391-556		
					R	391-553	391-557		
0.56 x 0.71mm (.022" x .028")	4.2	-25°	0°	4°	L	391-540	391-548	391-658	391-666
					R	391-541	391-549	391-659	391-667
		-20°	0°	0°	L	391-258		391-778	391-782
					R	391-259		391-779	391-783
		0°	0°	4°	L	391-554	391-558		
					R	391-555	391-559		

Package of 10

Lower Right Shown



First Molar Tubes – Cobalt Chromium Single Convertible – Micro6 with Zip-Release

6/6 Upper First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable Micro Foot Pad .200"
0.46 x 0.64mm (.018" x .025")	4.0	-10°	0°	4°	L	391-980
					R	391-981
0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	4°	L	391-984
					R	391-985

Package of 10

Upper Right Shown



Single Convertible

6/6 Upper and Lower First Molars

Upper/ Lower	Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable
Upper	0.56 x 0.71mm (.022" x .028")	4.2	-10°	0°	4°	L	391-701
						R	391-702
Lower	0.56 x 0.71mm (.022" x .028")	4.2	-25°	2°	4°	L	391-703
						R	391-704

Package of 10

Upper Right Shown



First Molar Tubes

Single Convertible with Vertical Slot

6/6 Upper First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	4.2	-10°	0°	4°	L	391-356	391-342
					R	391-355	391-341
		0°	0°	4°	L	391-354	391-344
					R	391-353	391-343
0.56 x 0.71mm (.022" x .028")	4.2	-10°	0°	4°	L	391-352	391-346
					R	391-351	391-345
		0°	0°	4°	L	391-350	391-348
					R	391-349	391-347

Package of 10

Upper Right Shown



6/6 Lower First Molar

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	4.2	-25°	0°	4°	L	391-236	391-238
					R	391-235	391-237
		0°	0°	4°	L	391-240	391-242
					R	391-239	391-241
0.56 x 0.71mm (.022" x .028")	4.2	-25°	0°	4°	L	391-248	391-250
					R	391-247	391-249
		0°	0°	4°	L	391-252	391-254
					R	391-251	391-253

Package of 10

Lower Right Shown



First Molar Tubes

Combination Convertible

6/6 Upper First Molar Mini Size Occlusal Headgear Tube

Main Tube Size	Headgear Tube Size	Torque	Tip	Distal Offset		Left/ Right	Weldable
				Main	Headgear		
.018" x .025" x 3.5mm	.045" x 3.5mm	-10°	0°	7°	0°	L	391-502
						R	391-503
	.051" x 3.5mm	-10°	0°	7°	0°	L	391-451
						R	391-452
.022" x .028" x 3.5mm	.045" x 3.5mm	-10°	0°	14°	0°	L	391-508
						R	391-509
	.051" x 3.5mm	-10°	0°	7°	0°	L	391-455
						R	391-456

Package of 10

Upper Right Shown



6/6 Upper First Molar Standard Size Occlusal Headgear Tube with Vertical Slot

Main Tube Size	Headgear Tube Size	Torque	Tip	Distal Offset		Left/ Right	Weldable
				Main	Headgear		
.018" x .025" x 4.2mm	.045" x 4.5mm	0°	0°	6°	0°	L	391-102
						R	391-101
.022" x .028" x 4.2mm	.045" x 4.5mm	0°	0°	6°	0°	L	391-110
						R	391-109

Package of 10

Upper Right Shown



6/6 Upper First Molar Mini Size Gingival Headgear Tube

Main Tube Size	Headgear Tube Size	Torque	Tip	Distal Offset		Left/ Right	Weldable
				Main	Headgear		
.018" x .025" x 3.5mm	.045" x 3.5mm	-14°	0°	10°	0°	L	391-673
						R	391-672
	.051" x 3.5mm	-10°	0°	7°	0°	L	391-459
						R	391-460
.022" x .028" x 3.5mm	.045" x 3.5mm	-10°	0°	14°	0°	L	391-268
						R	391-269
		-14°	0°	10°	0°	L	391-675
						R	391-674
	.051" x 3.5mm	-10°	0°	7°	0°	L	391-463
						R	391-464

Package of 10

Upper Right Shown



First Molar Tubes

Combination Convertible Rotation

6|6 Upper First Molar Mini Size Rotates Molars without Arch Bars

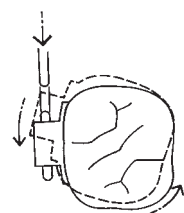
Unique elliptical mesial opening of headgear tube facilitates engagement, especially when molars are rotated. Eliminates the use of palatal arch bars and time-consuming adjustments. Stops on facebow must be larger than openings in mesial ends of tubes.

Occlusal headgear tube has 7° offset at end of treatment.

Main Tube Size	Headgear Tube Size	Torque	Tip	Distal Offset		Left/Right	Weldable
				Main	Headgear		
.018" x .025" x 3.5mm	.045" x 3.5mm	-14°	0°	14°	7°	L	391-510
						R	391-511
		-10°	0°	7°	7°	L	391-512
						R	391-513
.022" x .028" x 3.5mm	.045" x 3.5mm	-14°	0°	14°	7°	L	391-514
						R	391-515
		-10°	0°	7°	7°	L	391-516
						R	391-517

Package of 10

Upper Right Shown



Patented

First Molar Tubes

Combination Convertible Lip Bumper

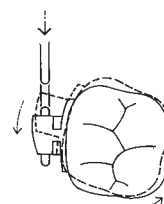
6|6 Lower First Molar Automatic Rotation without Lip Bumper Reactivation

Lip bumper tube has elliptical opening for ease of wire insertion on rotated molars. Stops on lip bumper must be larger than openings in mesial ends of tubes.

Main Tube Size	Headgear Tube Size	Torque	Tip	Distal Offset		Left/Right	Weldable
				Main	Headgear		
.018" x .025" x 4.4mm	.045" x 4.4mm	-27°	0°	4°	0°	L	391-270
						R	391-271
		-27°	0°	4°	0°	L	391-272
						R	391-273

Package of 10

Lower Right Shown



Patented

First Molar Tubes

Double

6/6 Upper and Lower First Molars - Bondable

Main Tube Size	Auxiliary Tube Size	Torque		Tip		Distal Offset		Hook	Bondable
		Main	Aux.	Main	Aux.	Main	Aux.		
.018" x .025" x 4.5mm	.018" x .025" x 4.5mm	0°	0°	0°	0°	0°	0°	No	391-225
		0°	0°	0°	0°	0°	0°	Yes	391-226
.022" x .028" x 4.5mm	.022" x .028" x 4.5mm	0°	0°	0°	0°	0°	0°	No	391-227
		0°	0°	0°	0°	0°	0°	Yes	391-228

Package of 10

Lower Right Shown



First Molar Tubes

Double Convertible

6/6 Upper First Molar

Main Occl. Tube Size	Aux. Ging. Tube Size	Torque		Tip		Distal Offset		Left/Right	Weldable	Bondable	
		Main	Aux.	Main	Aux.	Main	Aux.			Small Foot Pad .260"	Big Foot Pad .325"
.018" x .025" x 3.5mm	.018" x .025" x 3.5mm	-14°	0°	0°	0°	10°	0°	L	391-680	391-684	391-686
								R	391-681	391-685	391-687
.022" x .028" x 3.5mm	.022" x .028" x 3.5mm	-14°	0°	0°	0°	10°	0°	L	391-682	391-688	391-690
								R	391-683	391-689	391-691

Package of 10

Upper Right Shown



6/6 Lower First Molar with Distal Extension with Vertical Slot

Main Occl. Tube Size	Aux. Ging. Tube Size	Torque		Tip		Distal Offset		Left/Right	Weldable	Bondable	
		Main	Aux.	Main	Aux.	Main	Aux.			Small Foot Pad .260"	Big Foot Pad .325"
.018" x .025" x 4.2mm	.018" x .025" x 4.2mm	-27°	-15°	0°	0°	5°	0°	L	391-206	391-962	391-968
								R	391-205	391-963	391-969
.022" x .028" x 4.2mm	.018" x .025" x 4.2mm	-27°	-15°	0°	0°	5°	0°	L	391-216	391-964	391-970
								R	391-215	391-965	391-971
	.022" x .028" x 4.2mm	-27°	-15°	0°	0°	5°	0°	L	391-648	391-966	391-972
								R	391-649	391-967	391-973

Package of 10

Lower Right Shown



First Molar Tubes

Triple

6|6 Upper First Molar Standard Size

Main Tube Size	Aux. Ging. Tube Size	Headgear Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable
			Main	Aux.	Main	Aux.	Main	Aux.		
.018" x .025" x 4.5mm	.018" x .025" x 4.5mm	.045" x 4.5mm	0°	0°	0°	0°	0°	0°	L	391-361
									R	391-362
.022" x .028" x 4.5mm	.018" x .025" x 4.5mm	.045" x 4.5mm	0°	0°	0°	0°	0°	0°	L	391-367
									R	391-368

Package of 10

Upper Right Shown



First Molar Tubes

Triple Convertible

6|6 Upper First Molar Standard Size

Main Tube Size	Aux. Ging. Tube Size	Headgear Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable
			Main	Aux.	Main	Aux.	Main	Aux.		
.018" x .025" x 4.2mm	.018" x .025" x 4.2mm	.045" x 4.2mm	-10°	0°	0°	0°	7°	0°	L	391-142
									R	391-141
.022" x .028" x 4.2mm	.018" x .025" x 4.2mm	.045" x 4.2mm	-14°	0°	0°	0°	14°	0°	L	391-156
									R	391-155

Package of 10

Upper Right Shown



6|6 Upper First Molar Mini Size

Main Tube Size	Aux. Ging. Tube Size	Headgear Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable
			Main	Aux.	Main	Aux.	Main	Aux.		
.018" x .025" x 3.5mm	.018" x .025" x 3.5mm	.045" x 3.5mm	-14°	0°	0°	0°	10°	0°	L	391-412
									R	391-413
			-14°	0°	0°	0°	14°	0°	L	391-560
									R	391-561
.022" x .028" x 3.5mm	.022" x .028" x 3.5mm	.045" x 3.5mm	-14°	0°	0°	0°	10°	0°	L	391-414
									R	391-415

Package of 10

Upper Right Shown



First Molar Tubes

Triple Convertible Rotation

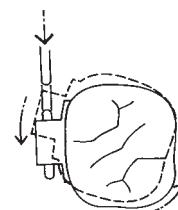
6.6 Upper First Molar Rotates Molars without Arch Bars

Unique elliptical mesial opening of headgear tube facilitates engagement, especially when molars are rotated. Eliminates use of palatal arch bars and time-consuming adjustments. Headgear tube has 7° distal offset at end of treatment.

Main Tube Size	Aux. Ging. Tube Size	Headgear Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable
			Main	Aux.	Main	Aux.	Main	Aux.		
.018" x .025" x 3.5mm	.018" x .025" x 3.5mm	.045" x 3.5mm	-14°	0°	0°	0°	14°	0°	L	391-568
									R	391-569
			-10°	0°	0°	0°	7°	0°	L	391-570
									R	391-571
	.022" x .028" x 3.5mm	.045" x 3.5mm	-14°	0°	0°	0°	14°	0°	L	391-426
			-10°	0°	0°	0°	7°	0°	L	391-428
.022" x .028" x 3.5mm	.018" x .025" x 3.5mm	.045" x 3.5mm	-14°	0°	0°	0°	14°	0°	L	391-572
									R	391-573
			-14°	0°	0°	0°	14°	0°	L	391-432
	.022" x .028" x 3.5mm	.045" x 3.5mm							R	391-433
			-14°	0°	0°	0°	14°	0°	L	391-432
									R	391-433

Package of 10

Upper Right Shown



Patented

Second Molar Tubes

Single

$\frac{7}{7}$ Upper and Lower Second Molars Mini Size

Upper/ Lower	Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
Upper	0.46 x 0.64mm (.018" x .025")	2.3	-10°	0°	6°	L	391-854	391-856
						R	391-855	391-857
			-14°	0°	10°	L	391-792	391-632
						R	391-793	391-633
			-22°	0°	6°	L	391-858	391-860
						R	391-859	391-861
	0.56 x 0.71mm (.022" x .028")	2.3	-10°	0°	6°	L	391-766	391-784
						R	391-767	391-785
			-14°	0°	10°	L	391-794	391-634
						R	391-795	391-635
			-22°	0°	6°	L	391-768	391-668
						R	391-769	391-669
Lower	0.46 x 0.64mm (.018" x .025")	2.3	-10°	0°	0°	L	391-796	391-636
						R	391-797	391-637
			-10°	0°	6°	L	391-862	391-864
						R	391-863	391-865
			-22°	0°	6°	L	391-866	391-868
						R	391-867	391-869
	0.56 x 0.71mm (.022" x .028")	2.3	-25°	0°	6°	L	391-880	391-882
						R	391-881	391-883
			-10°	0°	0°	L	391-798	391-638
						R	391-799	391-639
			-10°	0°	6°	L	391-770	391-670
						R	391-771	391-671
			-22°	0°	6°	L	391-772	391-786
						R	391-773	391-787
			-25°	0°	6°	L	391-884	391-886
						R	391-885	391-887

Package of 10

Right Shown



Second Molar Tubes

Single

7/7 Upper Second Molar without Distal Extension

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	3.3	-10°	0°	14°	L	391-392	391-394
		-14°	0°	14°	R	391-391	391-393
		-10°	0°	14°	L	391-396	391-398
		-14°	0°	14°	R	391-395	391-397
0.56 x 0.71mm (.022" x .028")	3.3	-10°	0°	14°	L	391-400	391-402
		-14°	0°	14°	R	391-399	391-401
		-10°	0°	14°	L	391-404	391-406
		-14°	0°	14°	R	391-403	391-405

Package of 10

Upper Right Shown



7/7 Lower Second Molar without Distal Extension

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
0.46 x 0.64mm (.018" x .025")	3.3	-25°	0°	4°	L	391-174	391-176
		-30°	0°	4°	R	391-173	391-175
		-25°	0°	4°	L	391-178	391-180
		-30°	0°	4°	R	391-177	391-179
0.56 x 0.71mm (.022" x .028")	3.3	-25°	0°	4°	L	391-138	391-140
		-30°	0°	4°	R	391-137	391-139
		-25°	0°	4°	L	391-218	391-220
		-30°	0°	4°	R	391-217	391-219

Package of 10

Lower Right Shown



Second Molar Tubes

Single with Vertical Slot

7/7 Upper and Lower Second Molar with Distal Extension

Upper/ Lower	Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
Upper	0.46 x 0.64mm (.018" x .025")	4.0	-10°	0°	14°	L	391-122	391-124
			-14°	0°	14°	R	391-121	391-123
			-10°	0°	14°	L	391-126	391-128
			-14°	0°	14°	R	391-125	391-127
	0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	14°	L	391-130	391-132
			-14°	0°	14°	R	391-129	391-131
Lower	0.46 x 0.64mm (.018" x .025")	4.0	-25°	0°	4°	L	391-182	391-184
			-30°	0°	4°	R	391-181	391-183
			-25°	0°	4°	L	391-186	391-188
			-30°	0°	4°	R	391-185	391-187
	0.56 x 0.71mm (.022" x .028")	4.0	-25°	0°	4°	L	391-190	391-192
			-30°	0°	4°	R	391-189	391-191
			-25°	0°	4°	L	391-194	391-196
			-30°	0°	4°	R	391-193	391-195

Package of 10

Upper Right Shown



Lower Right Shown



7/7 Upper and Lower Second Molar without Distal Extension

Upper/ Lower	Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable	Bondable
Upper	0.46 x 0.64mm (.018" x .025")	3.3	-10°	0°	14°	L	391-322	391-324
			-14°	0°	14°	R	391-321	391-323
			-10°	0°	14°	L	391-326	391-328
			-14°	0°	14°	R	391-325	391-327
	0.56 x 0.71mm (.022" x .028")	3.3	-10°	0°	14°	L	391-330	391-332
			-14°	0°	14°	R	391-329	391-331
Lower	0.46 x 0.64mm (.018" x .025")	3.3	-25°	0°	4°	L	391-282	391-284
			-30°	0°	4°	R	391-281	391-283
			-25°	0°	4°	L	391-286	391-288
			-30°	0°	4°	R	391-285	391-287
	0.56 x 0.71mm (.022" x .028")	3.3	-25°	0°	4°	L	391-290	391-292
			-30°	0°	4°	R	391-289	391-291
			-25°	0°	4°	L	391-294	391-296
			-30°	0°	4°	R	391-293	391-295

Package of 10

Upper Right Shown



Lower Right Shown



First Molar Tubes

Combination Non-Convertible Slant Back with Easy-Out® Feature*

6/6 Upper First Molars Low Profile

Rect. Tube Size	Round-Ging. Tube Size	Torque		Tip		Distal Offset		Left/Right	Weldable	Bondable Big Foot Pad .325"
		Rect.	Rnd.	Rect.	Rnd.	Rect.	Rnd.			
.022" x .028"	.036"	-11°	—	0°	0°	6°	6°	L	391-872	391-907
x 4.7mm	x 6.0mm							R	391-873	391-908

Package of 10

Upper Right Shown



6/6 Lower First Molars Low Profile

Rect. Tube Size	Round-Ging. Tube Size	Torque		Tip		Distal Offset		Left/Right	Weldable	Bondable Big Foot Pad .325"
		Rect.	Rnd.	Rect.	Rnd.	Rect.	Rnd.			
.022" x .028"	.036"	-27°	—	0°	0°	6°	6°	L	391-878	391-909
x 4.7mm	x 6.0mm							R	391-879	391-910

Package of 10

Lower Right Shown



Patented

First Molar Tubes

Combination Double Convertible Slant Back with Easy-Out® Feature*

6/6 Upper First Molars

Rect. Tube Size	Round Tube Size	Torque		Tip		Distal Offset		Left/Right	Weldable	Bondable	
		Rect.	Rnd.	Rect.	Rnd.	Rect.	Rnd.			Standard Pad	Big Foot Pad .325"
.022" x .028"	.036"	-10°	—	0°	0°	12°	12°	L	391-372	391-407	391-418
x 4.0mm	x 6.0mm							R	391-373	391-408	391-419

Package of 10

Upper Right Shown



6/6 Lower First Molars

Rect. Tube Size	Round Tube Size	Torque		Tip		Distal Offset		Left/Right	Weldable	Bondable	
		Rect.	Rnd.	Rect.	Rnd.	Rect.	Rnd.			Standard Pad	Big Foot Pad .325"
.022" x .028"	.036"	-27°	—	0°	0°	8°	8°	L	391-378	391-409	391-420
x 4.0mm	x 6.0mm							R	391-379	391-410	391-421

Package of 10

Lower Right Shown



Patented

*Tubes with the Easy-Out feature are perfect for use with Tip-Edge® bracket systems.

First Molar Tubes

Combination .036" Flat Back

with Easy-Out® Feature*

6/6 Upper First Molars Low Profile

Rect. Tube Size	Round Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable	Bondable Big Foot Pad .325"
		Rect.	Rnd.	Rect.	Rnd.	Rect.	Rnd.			
.022" x .028"	.036"	-11°	—	0°	0°	6°	6°	L	391-710	391-718
x 5.8mm	x 6.0mm							R	391-711	391-719

Package of 10

Upper Right Shown



6/6 Lower First Molars Low Profile

Rect. Tube Size	Round Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable	Bondable Big Foot Pad .325"
		Rect.	Rnd.	Rect.	Rnd.	Rect.	Rnd.			
.022" x .028"	.036"	-27°	—	0°	0°	6°	6°	L	391-712	391-720
x 5.8mm	x 6.0mm							R	391-713	391-721

Package of 10

Lower Right Shown



Patented

First Molar Tubes

Triple .036"

with Easy-Out® Feature*

6/6 Upper First Molars

Main Tube Size	Aux. Ging. Tube Size	Headgear Tube Size	Torque		Tip		Distal Offset		Left/ Right	Weldable
			Main	Aux.	Main	Aux.	Main	Aux.		
.022" x .028"	.036"	.045"	-10°	—	0°	0°	12°	12°	L	391-094
x 4.0mm	x 6.0mm	x 4.5mm							R	391-093
		.051"	-10°	—	0°	0°	12°	12°	L	391-098
		x 4.5mm							R	391-097

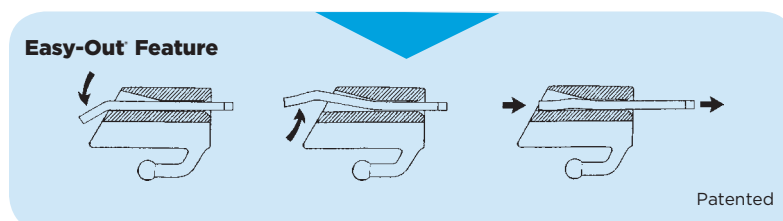
Package of 10

Upper Right Shown



Patented

*The Easy-Out® feature straightens the archwire as it is pulled through the tube, lessening the force needed to remove the wire and improving patient comfort. Easy-Out also permits distal crown tipping on the mounted tooth.



Lingual Attachments

One-Piece Lingual Button

One-piece construction is machined from highly polished stainless steel for maximum strength. Head size 2.18mm (.086") accepts and retains all elastics, ligature thread and wires from any direction. Low profile and smoothly finished edge prevent soft tissue irritation. Base doubles as seating and removing lug.

224-010 Flat Base



224-020 Curved Base

Package of 10



Bondable Lingual Button

Made from one-piece button and base stainless steel construction with brazed laminated mesh bonding surface for durability and maximum retention. Low profile and smooth edges prevent soft tissue irritation. Available on 2.16 x 3.8mm (.085" x .150") rectangular base for bicuspid and molars, or 3.6mm (.140") diameter base for cuspids.

224-112 Round Base

224-113 Rectangular Base

Package of 10



Bondable Plastic Button

Low profile button, precision molded from clear Lexan[®], has a 3.1mm (.120") diameter head with generous retention lip for elastics. Smooth edges for patient comfort. May be used for rotating or placed on impacted teeth as a means to apply light eruptive forces.

224-800 Plastic Lingual Buttons

Package of 10

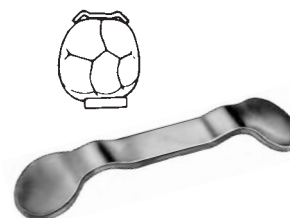


Molar Cleat

Curved center section provides area for spot-welding and acts as seating lug. Round ends lie against convex curve of band until bent for use. One end can be broken off to provide small, one-ended, hook-cleat for use on smaller teeth. Precision stamped from 0.30mm (.012") stainless steel. Total length 7mm (.275").

224-004 Molar Cleats

Package of 100



Lingual Attachments

Cleat-Lug

A versatile low-profile cleat which doubles as seating lug. Formed from 0.30mm (.012") stainless steel, ends may be raised or lowered as required to engage auxiliaries. Edges and corners are rounded for patient comfort. Length is 5mm (.200").

224-017 Posterior Cleat-Lug
Package of 100



Ball-End Lingual Hook

Hook rests against lingual surface of band until bent for engaging elastics or elastic thread. Round ball for patient comfort and added retention of auxiliaries. Offset shank for increased capacity and tissue relief. Ample spot-welding area for retention against maximum forces.

226-013 Long Hook, Short Offset (A)
226-011 Short Hook, Short Offset (B)
226-033 Long Hook, Long Offset (C)
226-031 Short Hook, Long Offset (D)
 Package of 10



Bondable Lingual Hook

Ball-end offers patient comfort and improved retention for elastics, elastomers or wires. Precision made from stainless steel with laminated mesh bonding base for maximum retention. Hooks are angulated to bases for left and right positioning on mesiolingual cusps.

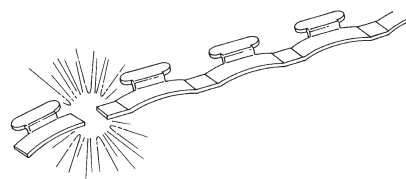
224-116L Upper Left/Lower Right Bondable Hooks
224-116R Upper Right/Lower Left Bondable Hooks
 Package of 10



Seating Lug-Hook

Designed for use on lingual surfaces of all teeth. Supplied in strips of 10 for easy welding. Flat bases are designed for anterior and cuspid bands; curved bases are for bicuspid and molar bands.

224-105 Curved Base, 1.5mm (.060")
224-106 Curved Base, 2.5mm (.100")
 Package of 10 strips



Lingual Attachments

Lingual Cleat

Designed for use on cuspid and bicuspid bands. Easily accommodates several elastics at one time. Straight edge of large center welding area for seating bands. Precision stamped from non-corrosive stainless steel and carefully finished to prevent soft tissue irritation. Available in two lengths.

224-007 Short, 4.4mm (.173")

224-008 Long, 5.2mm (.206")
Package of 100



Bondable Lingual Cleat

Low-profile lingual cleat is precision stamped from stainless steel with brazed laminated mesh bonding base. Accommodates several elastics at one time. Available with 3.6mm (.140") diameter base for cuspids and 2.16 x 3.8mm (.085" x .150") rectangular base for bicuspid and molars.

224-114 Round Base (cuspids)

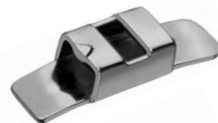
224-115 Rectangular Base (bicuspid and molars)
Package of 10



Lingual Molar Sheath

Select from four styles of lingual sheaths with 0.91mm (.036") I.D. for use with palatal arch bars. All are designed for ease of insertion. Window simplifies removal of arch bar.

328-054 Sheath with Latch Indent
Package of 10



328-254L Left Sheath with Distal Ball Hook
328-254R Right Sheath with Distal Ball Hook
Package of 10



328-154L Left Sheath with Mesial Ball Hook
328-154R Right Sheath with Mesial Ball Hook
Package of 10



328-354L Left Sheath with Occlusal Bar
328-354R Right Sheath with Occlusal Bar
Package of 10



Palatal Arch Bars available on page 114.

GripTite® Molar Bands

The Ultimate in Retention, Anatomical Shaping and Strength

GripTite molar bands feature patented mechanical interlocking indentations that are three times deeper than laser marked bands. This enhances cement penetration for improved bond strength and retention.

GripTite bands are anatomically correct according to tooth shape and size. This precision shaping delivers a snug, secure fit and superior retention without re-shaping or stretching.

Available in 38 sizes, GripTite bands ensure a precise fit without forcing or driving.

All bands are permanently identified with an advanced marking system that clearly indicates Palmer Notation, band size and tooth identification on the mesial surface.



Patented



Only GripTite Molar Bands feature TPO's patented interlocking indentations.

Molar Band Kits

Introductory Kit	100 bands
Standard Kit	200 bands
Thrift Kit	400 bands

Sizes 0 and 00 are not included in molar kits unless specifically requested. Band boxes are furnished at no charge with all kit orders.

GripTite Molar Bands - 38 Sizes

Upper/Lower Left/Right			Firm Temper	Standard Temper
First Molar	Upper	R	964-725	966-725
		L	964-726	966-726
	Lower	R	965-825	967-825
		L	965-826	967-826

There is no welding charge for custom-welding of TPO attachments. A minimum order of 10 bands is requested, assortable by size and type.



GRIPTITE AND PRE-FIT MOLAR BAND DESIGN FEATURES



TPO Bands



Other Bands

An accurately selected band will seat to cusp height with finger pressure only. Final seating is accomplished without forceful driving.



TPO Bands



Other Bands

Correct circumferential relationship of occlusal and gingival margins prevents band from overseating to assure correct level for buccal attachment.



TPO Bands



Other Bands

Positioning of buccal and lingual indents, adjusted for individual tooth size and shape.

Prewelded Band Assemblies

Featuring Standard GripTite Molar Bands

6 | 6 GripTite Band with Upper First Molar Mini-Size Occlusal Headgear Tube

Main Tube Size	Headgear Tube Size	Torque	Tip	Distal Offset Main HG	Left/ Right	Pre-Welded Band Assemblies	
						Standard	Firm
.018" x .025" x 3.5mm	.045" x 3.5mm	-10°	0°	7° 0°	L		964-502
					R		964-503
.022" x .028" x 3.5mm	.045" x 63.5mm	-10°	0°	14° 0°	L	966-508	964-508
					R	966-509	964-509

Add standard band size number (00-36) after item number.
Tubes on page 71.

6 | 6 GripTite Band with Lower Single First Molar Tube with Distal Extension

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Pre-Welded Band Assemblies	
						Standard	
.022" x .028"	4.2	-25°	0°	4°	L	967-628	
					R	967-629	

Add standard band size number (00-36) after item number.
Tubes on page 66.

6 | 6 GripTite Band with Lower Single Convertible First Molar Tube

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Pre-Welded Band Assemblies	
							Firm
.018" x .025"	4.2	-25°	0°	4°	L		965-536
					R		965-537
.022" x .028"	4.2	-25°	0°	4°	L	965-540	
					R	965-541	

Add standard band size number (00-36) after item number.
Tubes on page 69.

Fast Ordering for Band Assemblies

It's easy and fast to order molar bands with prewelded attachments by going to TPO's online catalog. Go to **tportho.com**.

First-time users call the TPO office serving your area to get started.

Pre-Fit® Molar Bands

Accurately selected band will seat properly without stretching, re-contouring or forceful driving. Temper offers malleability with excellent adaptation.

Anatomical right and left shapes in 38 sizes (00 to 36) incorporate slight buccal indents and gingival interproximal festooning to promote positive seating at the proper levels.

Precise size gradations provide consistent fit without forcing, driving or stretching. Accurate incisal and gingival circumference relationships close simultaneously during final seating. Mandibular bands seat low, avoiding interference with maxillary teeth.

Advanced marking system clearly indicate the Palmer Notation, band size and tooth identification on the mesial.



Molar Band Kits

Introductory Kit 100 bands

Standard Kit 200 bands

Thrift Kit 400 bands

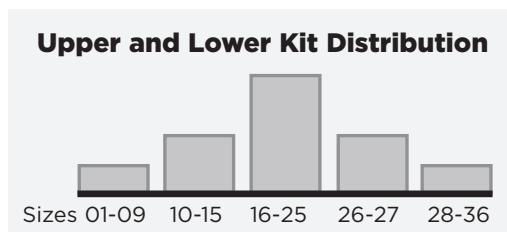
Sizes 0 and 00 are not included in molar kits unless specifically requested. Band boxes are furnished at no charge with all kit orders.



Standard Temper Plus Pre-Fit Molar Bands

	Upper/Lower	Left/Right	Order No.
1st Molar	Upper	R	944-725
		L	944-726
	Lower	R	945-825
		L	945-826
2nd Molar	Upper	R	946-725
		L	946-726
	Lower	R	947-825
		L	947-826

Add standard band size numbers (00-36) after order numbers.



Pre-Fit® Bicuspid Bands

The correct relationship of occlusal and gingival circumferences promotes simultaneous closing of margins to create a tighter seal and better retention.

Unique conical shape captures occlusobuccal slope to prevent overseating of bands and reduce amount of adaptation required. Available in universal (no right or left) shapes.

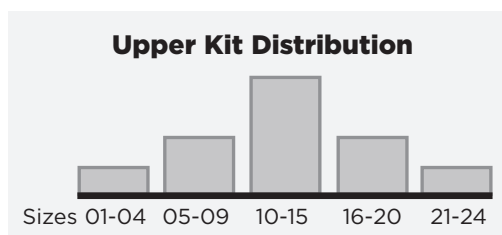
Markings indicate the Palmer Notation, band size and tooth identification on the mesial.



Universal Bicuspid Bands

No Right and Left Shapes	Order No.
Upper First or Second	940-105
Lower First	942-107
Lower Second	942-105

There is no welding charge for custom-welding of TPO attachments.
A minimum order of 10 bands is requested, assortable by size and type.

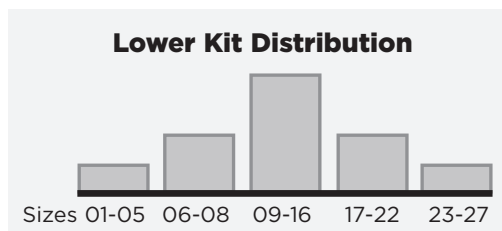


Band Boxes

A convenient hinge top box with a divided plastic insert is furnished with each band kit order. Empty boxes may also be purchased separately.

Upper Band Boxes—No Bands		Order No.
Bicuspid	Universal	100-955

Lower Band Boxes—No Bands		Order No.
1st Bicuspid	Universal	100-968
2nd Bicuspid	Universal	100-969



Bicuspid Band Kits

Convincer Kit	150 bands
Standard Kit	300 bands

Band boxes are furnished at no charge with all kit orders.

The most distinctive feature about Pre-Fit® Bicuspid Bands is the conical shape that gives them an "UPSIDE-DOWN" appearance to prevent overseating.

PRE-FIT BICUSPID BAND DESIGN FEATURES



Unique conical shape prevents overseating. Bi-level interproximal festooning accommodates differing levels of mesial and distal anatomy.



Buccal and lingual occlusal margins conform to marginal ridges of upper and lower bicuspid teeth.

Pre-Fit® Cuspid Bands

Exclusive gingival extension provides improved retention and protects tooth enamel from auxiliaries. Incisal apron allows for correct bracket placement. Band seats on middle third of tooth. Bands are universal — no left or right shapes.

Cuspid Band Kits

Convincer Kit 150 bands

Standard Kit 300 bands

Thrift Kit 600 bands

Band boxes are furnished at no charge with all kit orders.



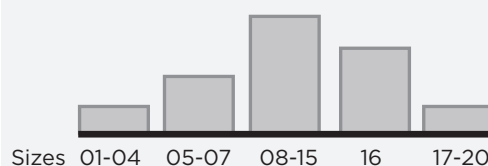
Cuspid Bands

	Order No.
Upper	922-225
Lower	922-325

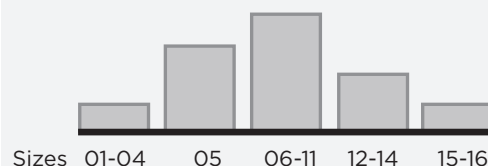
Uppers have blue numbers on white background.
Lowers have black numbers on white background.

There is no welding charge for custom-welding of TPO attachments. A minimum order of 10 bands is requested, assortable by size and type.

Upper Cuspid Kit Distribution



Lower Cuspid Kit Distribution



Pre-Fit® Anterior Bands

Anatomically shaped left and right Upper Central and Upper Lateral Bands are designed for easy size selection and fitting. Lower Anterior Bands conform to concave lingual contours of teeth.

Anterior Band Kits

Convincer Kit	150 upper bands 200 lower bands
Standard Kit	300 upper bands 400 lower bands
Thrift Kit	500 upper bands 600 lower bands

Band boxes are furnished at no charge with all kit orders.



Anterior Bands

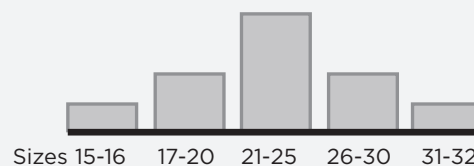
	Left/Right	Without Lugs
Upper Central Wide	R	900-101
	L	900-103
Upper Lateral	R	910-101
	L	910-103
Lower Anterior Wide		920-101

Upper rights have green numbers, lefts have red numbers on white background.

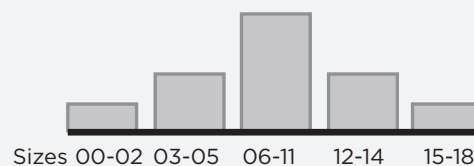
Lower have black numbers on white background.

There is no welding charge for custom-welding of TPO attachments.
A minimum order of 10 bands is requested, assortable by size and type.

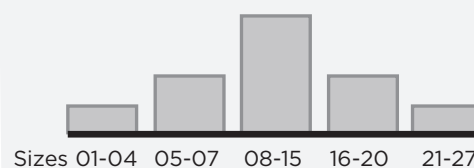
Upper Central Kit Distribution



Upper Lateral Kit Distribution



Lower Anterior Kit Distribution



Prewelding Service

TPO Attachments on TPO Bands

There is no prewelding charge when ordering any of our brackets, tubes or auxiliaries prewelded to TPO bands. TPO will also weld other companies' attachments to our bands (additional charges apply).

Custom Welding: TPO also provides custom welding service at no additional charge to meet your special angulation and positioning requirements. Custom welded materials are not returnable for credit or exchange.

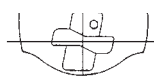
Standard Welding Positions

Cuspids

Mesiodistal: Centered
Incisogingival: Offset incisally



Preadjusted and
Standard Edgewise

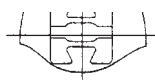


Tip-Edge' and
Tip-Edge PLUS'

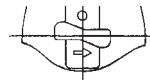
Bicuspid

Upper

Mesiodistal: Centered
Occlusogingival: Offset occlusally



Preadjusted and
Standard Edgewise



Tip-Edge' and
Tip-Edge PLUS'

Lower

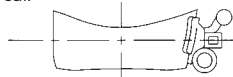
Mesiodistal: Centered
Occlusogingival: Offset gingivally

NOTE: The unusual conical shape of Pre-Fit bicuspid bands gives them an UPSIDE-DOWN appearance.

Molars

Upper Combination

Mesiodistal: Mesial end of tube is centered on mesial buccal cusp. Long axis of tube is parallel to a line bisecting contact points.
Occlusogingival: Rectangular tube centered. Round tube occlusal.



Preadjusted and
Standard Edgewise

Upper Single

Mesiodistal: Mesial end of tube is centered on mesial buccal cusp. Long axis of tube is parallel to a line bisecting contact points.
Occlusogingival: Centered



Preadjusted and
Standard Edgewise

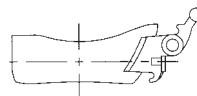


Lower

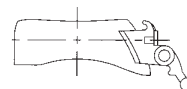
Mesiodistal: Same as upper
Occlusogingival: Centered

Upper

Mesiodistal: Mesial end of tube is centered on mesial buccal cusp. Long axis of tube is parallel to a line bisecting contact points.
Occlusogingival: Centered



Tip-Edge' and Tip-Edge
PLUS'



Lower

Mesiodistal: Same as upper
Occlusogingival: Centered

Notes:

This image shows a full page of blank, lined paper. It features approximately 20 horizontal grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines or other markings present.

Visit us online at **tportho.com**

4 WIRE



WIRE

Aesthetic Archwires

- Reflex® Nickel Titanium
- Shiny Bright Stainless Steel
- Braided 8-Strand Reflex®
- TiMolium® Titanium

Archwires

- Braided 8-Strand Reflex
- TiMolium Titanium
- Reflex Nickel Titanium
 - Original (on spools and preformed)
 - Original with Center Bend
 - Heat-Activated
 - Heat-Activated with Center Bend
- Vela™ Arch Forms
- Bow-Flex® Stainless Steel
- TP Original Stainless Steel
- Shiny Bright Stainless Steel
- Rounded Rectangular Stainless Steel
- Gold Tone Stainless Steel
- Twisted 3-Strand
- Co-Ax®
- Arch Length Ruler
- Pre-Cut Co-Ax®
- Woven 8-Strand
- Tip-Edge® Looped
- Tip-Edge®
- Pretorqued
- Dispensers

Ligature Wires

- Preformed Ties
- Angular Twisted Ties
- Kobayashi Ties
- Spools

Aesthetic Wire

Convenience-Pak® Autoclavable Envelopes

Aesthetic wire from TP Orthodontics is perfect for use with ceramic brackets. These preformed archwires feature a very thin white-color coating applied to the labial surface only. Each wire remains uncoated where it comes into contact with the archwire slot so that it glides smoothly with no increase in friction.

Other brands of “invisible” archwire are coated on all sides. This adds friction and actually increases the size of the archwire. For example, a wire that is listed as 0.43 x 0.56mm (.017" x .022") wire could actually measure 0.48 x 0.64mm (.019" x .025") when the coating is factored in.

TP Orthodontics' aesthetic wire is available in a variety of shapes and wire types.

Aesthetic wire is packaged in exclusive Convenience-Pak packaging, which consists of a box of ten archwires, each of which is individually enclosed in a convenient, see-through, autoclavable envelope.

Reflex® Nickel Titanium Aesthetic Wire



Wire Size	Straight Arch Form	
	Upper	Lower
0.30mm (.012")	381-183W	381-182W
0.36mm (.014")	381-159W	381-158W
0.41mm (.016")	381-165W	381-164W
0.46mm (.018")	381-167W	381-166W
0.51mm (.020")	381-169W	381-168W
0.41 x 0.41mm (.016" x .016")	381-179W	381-178W
0.41 x 0.56mm (.016" x .022")	381-171W	381-170W
0.43 x 0.64mm (.017" x .025")	381-173W	381-172W
0.46 x 0.64mm (.018" x .025")	381-187W	381-186W
0.48 x 0.64mm (.019" x .025")	381-175W	381-174W
0.55 x 0.64mm (.0215" x .025")	381-177W	381-176W

Package of 10



Aesthetic wire shown in use with InVu® ceramic brackets.

Shiny Bright Stainless Steel Aesthetic Wire



Wire Size	Straight Arch Form	
	Upper	Lower
0.41mm (.016")	381-063W	381-064W
0.46mm (.018")	381-065W	381-066W
0.51mm (.020")	381-067W	381-068W
0.41 x 0.41mm (.016" x .016")	381-081W	381-080W
0.41 x 0.56mm (.016" x .022")	381-083W	381-082W
0.43 x 0.64mm (.017" x .025")	381-085W	381-084W
0.46 x 0.64mm (.018" x .025")	381-087W	381-086W
0.48 x 0.64mm (.019" x .025")	381-089W	381-088W
0.55 x 0.64mm (.0215" x .025")	381-193W	381-194W
0.55 x 0.71mm (.0215" x .028")	381-191W	381-192W

Package of 10

Aesthetic Wire

Convenience-Pak® Autoclavable Envelopes

Braided 8-Strand Reflex® Nickel Titanium Aesthetic Wire*



Wire Size	Broad Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.43 x 0.64mm (.017" x .025")	381-310W	381-311W	381-322W	381-323W
0.53 x 0.64mm (.021" x .025")	381-316W	381-317W	381-326W	381-327W

Package of 10

*Unit pieces can be ordered by adding a "U" in front of the order number.

TiMolium® Titanium Aesthetic Wire



Wire Size	Straight Arch Form	
	Upper Small	Lower Small
0.41 x 0.41mm (.016" x .016")	386-499W	386-502W
0.41 x 0.56mm (.016" x .022")	386-520W	386-534W
0.44 x 0.44mm (.0175" x .0175")	386-518W	386-532W

Package of 10

Braided 8-Strand Reflex[®] Nickel Titanium Wire Convenience-Pak[®] Autoclavable Envelopes

Braided 8-Strand Reflex[®] Nickel Titanium Wire*



Wire Size	Broad Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.43 x 0.64mm (.017" x .025")	381-310	381-311	381-322	381-323
0.53 x 0.64mm (.021" x .025")	381-316	381-317	381-326	381-327

Package of 10

*Unit pieces can be ordered by adding a "U" in front of the order number.

TiMolium[®] Titanium Wire Convenience-Pak[®] Autoclavable Envelopes

TiMolium titanium wire combines the flexibility, continuous force and springback of nickel titanium with the high stiffness and bendability of stainless steel wire. Consistently outperforms nickel titanium and beta titanium wire in breakage resistance, smoothness, polish and flexibility. Can be welded.

TiMolium titanium wire is packaged in exclusive Convenience-Pak packaging, which consists of a box of ten archwires, each of which is individually enclosed in a convenient, see-through, autoclavable envelope.



Wire Size	Standard Arch Form		Straight Arch Form			
	Upper	Lower	Upper Small	Upper Large	Lower Small	Lower Large
0.41 x 0.41mm (.016" x .016")	386-497	386-498	386-499	386-501	386-502	386-503
0.41 x 0.56mm (.016" x .022")	386-506	386-507	386-520	386-521	386-534	386-535
0.43 x 0.64mm (.017" x .025")	386-508	386-509	386-522	386-523	386-536	386-537
0.44 x 0.44mm (.0175" x .0175")	386-504	386-505	386-518	386-519	386-532	386-533
0.48 x 0.64mm (.019" x .025")	386-510	386-511	386-524	386-525	386-538	386-539
0.53 x 0.64mm (.021" x .025")	386-512	386-513	386-526	386-527	386-540	386-541

Package of 10

Original Reflex[®] Nickel Titanium Wire



Reflex nickel titanium wire combines superelasticity with high shape recovery to produce gentle, constant pressure for comfortable and efficient forces.

Resists permanent distortion, allowing immediate engagement in severely malaligned anteriors without fracturing. Smoothly polished, friction-reducing finish allows brackets to slide easily.

Reflex wire is available in a variety of round and rectangular wire sizes. Midlines are clearly marked for quick reference. Triple etch marks indicate upper arches, single etch marks indicate lowers. Curved Memory arches feature black ink markings on the uppers and red on the lowers.

4.5 m (15 ft.) Coil

Wire Size	Order No.
0.36mm (.014")	382-114
0.41mm (.016")	382-116

Package of 1

Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form		Broad Arch	
	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-259	381-258	381-183	381-182	383-531	383-530	381-211	381-212
0.36mm (.014")	381-261	381-260	381-159	381-158	383-533	383-532	381-213	381-214
0.41mm (.016")	381-263	381-262	381-165	381-164	383-535	383-534		
0.46mm (.018")	381-265	381-264	381-167	381-166	383-537	383-536		
0.51mm (.020")	381-267	381-266	381-169	381-168	383-539	383-538		
0.41 x 0.41mm (.016" x .016")	381-269	381-268	381-179	381-178	383-541	383-540		
0.41 x 0.56mm (.016" x .022")	381-271	381-270	381-171	381-170	383-543	383-542	381-223	381-224
0.43 x 0.64mm (.017" x .025")	381-273	381-272	381-173	381-172	383-545	383-544		
0.46 x 0.46mm (.018" x .018")	381-277	381-276	381-181	381-180	383-547	383-546		
0.46 x 0.64mm (.018" x .025")	381-279	381-278	381-187	381-186	383-549	383-548	381-229	381-230
0.48 x 0.64mm (.019" x .025")	381-275	381-274	381-175	381-174	383-551	383-550		
0.51 x 0.51mm (.020" x .020")	381-281	381-280	381-188	381-189	383-553	383-552		
0.55 x 0.64mm (.0215" x .025")	381-283	381-282	381-177	381-176	383-555	383-554	381-235	381-236

Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch V
	Upper	Lower				
0.30mm (.012")	381-550	381-551	387-130	387-143	387-156	387-182
0.36mm (.014")	381-552	381-553	387-131	387-144	387-157	387-183
0.41mm (.016")	381-500	381-501	387-132	387-145	387-158	387-184
0.46mm (.018")	381-502	381-503	387-133	387-146	387-159	387-185
0.51mm (.020")	381-554	381-555	387-134	387-147	387-160	387-186
0.41 x 0.41mm (.016" x .016")	381-556	381-557	387-135	387-148	387-161	387-187
0.41 x 0.56mm (.016" x .022")	381-504	381-505	387-136	387-149	387-162	387-188
0.43 x 0.64mm (.017" x .025")	381-506	381-507	387-137	387-150	387-163	387-189
0.46 x 0.46mm (.018" x .018")	381-558	381-559	387-138	387-151	387-164	387-190
0.46 x 0.64mm (.018" x .025")	381-560	381-561	387-139	387-152	387-165	387-191
0.48 x 0.64mm (.019" x .025")	381-508	381-509	387-140	387-153	387-166	387-192
0.51 x 0.51mm (.020" x .020")	381-562	381-563	387-141	387-154	387-167	387-193
0.55 x 0.64mm (.0215" x .025")	381-564	381-565	387-142	387-155	387-168	387-194

Package of 10

Original Reflex® Nickel Titanium Wire With Center Bend

All the features and benefits of original Reflex wire are incorporated into the Reflex center bend wires. A small bend in the midline prevents sliding to the right or left. Bend is horizontal to minimize visibility.

Upper wires feature a wider bend of 4.5mm (.178"), while lower wires have a narrower 3.2mm (.124") bend.



Patented

Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-405	381-404	381-387	381-386	383-501	383-500
0.36mm (.014")	381-407	381-406	381-389	381-388	383-503	383-502
0.41mm (.016")	381-375	381-374	381-367	381-366	383-505	383-504
0.46mm (.018")	381-377	381-376	381-369	381-368	383-507	383-506
0.51mm (.020")	381-409	381-408	381-391	381-390	383-509	383-508
0.41 x 0.41mm (.016" x .016")	381-411	381-410	381-393	381-392	383-511	383-510
0.41 x 0.56mm (.016" x .022")	381-379	381-378	381-371	381-370	383-513	383-512
0.43 x 0.64mm (.017" x .025")	381-381	381-380	381-373	381-372	383-515	383-514
0.46 x 0.64mm (.018" x .025")	381-413	381-412	381-395	381-394	383-517	383-516
0.48 x 0.64mm (.019" x .025")	381-415	381-414	381-401	381-400	383-519	383-518
0.55 x 0.64mm (.0215" x .025")	381-417	381-416	381-403	381-402	383-521	383-520

Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch V
	Upper	Lower				
0.30mm (.012")	381-520	381-521	387-070	387-081	387-092	387-114
0.36mm (.014")	381-522	381-523	387-071	387-082	387-093	387-115
0.41mm (.016")	381-524	381-525	387-072	387-083	387-094	387-116
0.46mm (.018")	381-526	381-527	387-073	387-084	387-095	387-117
0.51mm (.020")	381-528	381-529		387-085	387-096	387-118
0.41 x 0.41mm (.016" x .016")	381-530	381-531	387-075	387-086	387-097	387-119
0.41 x 0.56mm (.016" x .022")	381-532	381-533	387-076	387-087	387-098	387-120
0.43 x 0.64mm (.017" x .025")	381-534	381-535	387-077	387-088	387-099	387-121
0.46 x 0.64mm (.018" x .025")	381-536	381-537	387-078	387-089	387-100	387-122
0.48 x 0.64mm (.019" x .025")	381-538	381-539	387-079	387-090	387-101	387-123
0.55 x 0.64mm (.0215" x .025")	381-540	381-541	387-080	387-091	387-102	387-124

Package of 10

Reflex[®] Heat-Activated Nickel Titanium Wire

Heat-activated nickel titanium archwires provide optimal tooth moving forces with more consistency. The thermal reactive properties supply light, continuous force that is neither too great nor variable over time.

Wires are easily deformed at room temperature and super-elastic at body temperature. As the archwire is engaged in the mouth, body temperature activates the wire to return to its preformed arch shape. Heat-activated archwires accept more severe deformation and gently move teeth over greater distances.

Transition temperatures:

- Round wire = 78.8°F (26°C) to 89.6°F (32°C)
- Rectangular wire = 84.2°F (29°C) to 95°F (35°C)

Midlines are clearly marked for quick reference. Triple etch marks indicate upper arches, single etch marks indicate lowers. Curved memory arches feature black ink markings on the uppers and red on the lowers.



Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-789	381-788	381-799	381-798	383-631	383-630
0.36mm (.014")	381-821	381-820	381-801	381-800	383-633	383-632
0.41mm (.016")	381-823	381-822	381-803	381-802	383-635	383-634
0.46mm (.018")	381-825	381-824	381-805	381-804	383-637	383-636
0.51mm (.020")	381-791	381-790	381-813	381-812	383-639	383-638
0.41 x 0.41mm (.016" x .016")	381-793	381-792	381-815	381-814	383-641	383-640
0.41 x 0.56mm (.016" x .022")	381-827	381-826	381-807	381-806	383-643	383-642
0.43 x 0.64mm (.017" x .025")	381-829	381-828	381-809	381-808	383-645	383-644
0.46 x 0.64mm (.018" x .025")	381-831	381-830	381-811	381-810	383-647	383-646
0.48 x 0.64mm (.019" x .025")	381-795	381-794	381-817	381-816	383-649	383-648
0.53 x 0.64mm (.021" x .025")	381-797	381-796	381-819	381-818	383-651	383-650

Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch IV	Bio-Arch V
	Upper	Lower					
0.30mm (.012")	381-600	381-601	387-260	387-271	387-282	387-293	387-304
0.36mm (.014")	381-602	381-603	387-261	387-272	387-283	387-294	387-305
0.41mm (.016")	381-604	381-605	387-262	387-273	387-284	387-295	387-306
0.46mm (.018")	381-606	381-607	387-263	387-274	387-285	387-296	387-307
0.51mm (.020")	381-608	381-609	387-264	387-275	387-286	387-297	387-308
0.41 x 0.41mm (.016" x .016")	381-610	381-611	387-265	387-276	387-287	387-298	387-309
0.41 x 0.56mm (.016" x .022")	381-612	381-613	387-266	387-277	387-288	387-299	387-310
0.43 x 0.64mm (.017" x .025")	381-614	381-615	387-267	387-278	387-289	387-300	387-311
0.46 x 0.64mm (.018" x .025")	381-616	381-617	387-268	387-279	387-290	387-301	387-312
0.48 x 0.64mm (.019" x .025")	381-618	381-619	387-269	387-280	387-291	387-302	387-313
0.53 x 0.64mm (.021" x .025")	381-620	381-621	387-270	387-281	387-292	387-303	387-314

Package of 10

Reflex[®] Heat-Activated Nickel Titanium Wire With Center Bend

A small bend in the midline prevents sliding to the right or left.
Bend is horizontal to minimize visibility.

Upper wires feature a wider bend of 4.5mm (.178"), while lower wires have a narrower 3.2mm (.124") bend.



Patented

Wire Size	Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower
0.30mm (.012")	381-863	381-862	383-601	383-600
0.36mm (.014")	381-865	381-864	383-603	383-602
0.41mm (.016")	381-833	381-832	383-605	383-604
0.46mm (.018")	381-835	381-834	383-607	383-606
0.51mm (.020")	381-867	381-866	383-609	383-608
0.41 x 0.41mm (.016" x .016")	381-869	381-868	383-611	383-610
0.41 x 0.56mm (.016" x .022")	381-837	381-836	383-613	383-612
0.43 x 0.64mm (.017" x .025")	381-839	381-838	383-615	383-614
0.46 x 0.64mm (.018" x .025")	381-871	381-870	383-617	383-616
0.48 x 0.64mm (.019" x .025")	381-873	381-872	383-619	383-618
0.53 x 0.64mm (.021" x .025")	381-875	381-874	383-621	383-620

Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch IV	Bio-Arch V
	Upper	Lower					
0.30mm (.012")	381-570	381-571	387-200	387-211	387-222	387-233	387-244
0.36mm (.014")	381-572	381-573	387-201	387-212	387-223	387-234	387-245
0.41mm (.016")	381-574	381-575	387-202	387-213	387-224	387-235	387-246
0.46mm (.018")	381-576	381-577	387-203	387-214	387-225	387-236	387-247
0.51mm (.020")	381-578	381-579	387-204	387-215	387-226	387-237	387-248
0.41 x 0.41mm (.016" x .016")	381-580	381-581	387-205	387-216	387-227	387-238	387-249
0.41 x 0.56mm (.016" x .022")	381-582	381-583	387-206	387-217	387-228	387-239	387-250
0.43 x 0.64mm (.017" x .025")	381-584	381-585	387-207	387-218	387-229	387-240	387-251
0.46 x 0.64mm (.018" x .025")	381-586	381-587	387-208	387-219	387-230	387-241	387-252
0.48 x 0.64mm (.019" x .025")	381-588	381-589	387-209	387-220	387-231	387-242	387-253
0.53 x 0.64mm (.021" x .025")	381-590	381-591	387-210	387-221	387-232	387-243	387-254

Package of 10

Vela™ Archwire System

Developed by Dr. Arturo Vela, the Vela arch form is for clinicians who prefer a broader arch.

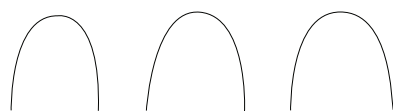
The universal shape is interchangeable and Size 2 can be used for the upper or lower arch form, enabling the clinician to treat a wider range of cases while simplifying inventory.

Vela arch forms are compatible with all bracket systems, including Tip-Edge PLUS®.

The Vela arch forms are packaged in TPO's exclusive Convenience-Pak. Ten archwires are individually packaged in convenient, see-through, autoclavable envelopes.

The system is available in Reflex Heat-Activated Nickel Titanium, Shiny Bright Stainless Steel and TiMolium Titanium.

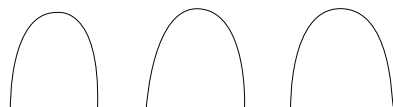
Reflex Heat-Activated Nickel Titanium



Wire Size	Vela Arch Forms		
	Vela 1	Vela 2	Vela 3
.014"	381-652	381-653	381-654
.016"	381-655	381-656	381-657
.018"	381-658	381-659	381-660
.014" x .025"	381-661	381-662	381-663
.016" x .025"	381-664	381-665	381-666
.0215" x .025"	381-667	381-668	381-669

Package of 10

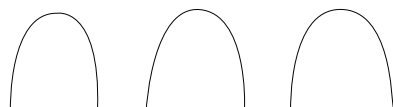
Shiny Bright



Wire Size	Vela Arch Forms		
	Vela 1	Vela 2	Vela 3
.016" x .022"	381-622	381-623	381-624
.019" x .025"	381-625	381-626	381-627
.0215" x .028"	381-628	381-629	381-630

Package of 10

TiMolium Titanium



Wire Size	Vela Arch Forms		
	Vela 1	Vela 2	Vela 3
.019" x .025"	386-550	386-551	386-552
.0215" x .027"	386-553	386-554	386-555

Package of 10

Bow-Flex® Wire

High tensile, high stiffness Bow-Flex stainless steel wire is specially suited for rapid bite opening, plus the unraveling and rotations of anterior teeth. Smooth surface reduces friction.

Bow-Flex is a medium copper color that can be electropolished to an aesthetically bright, stainless color. The wire should be formed slowly while being held under mild pressure between the beaks of a light wire plier. Centerlines are marked white on upper arches and red on lower arches. Bow-Flex is also available in coils and 12" lengths.

30.5 cm (12 in.) Lengths

Wire Size	Order No.
0.36mm (.014")	230-560
0.41mm (.016")	230-570
0.46mm (.018")	230-580
0.51mm (.020")	230-590

Package of 30

7.5 m (25 ft.) Coil

Wire Size	Order No.
0.36mm (.014")	230-510
0.41mm (.016")	230-520
0.46mm (.018")	230-530
0.51mm (.020")	230-540

Package of 1

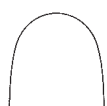



Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.36mm (.014")	230-402	230-403	230-412	230-413
0.41mm (.016")	230-404	230-405	230-414	230-415
0.46mm (.018")	230-406	230-407	230-416	230-417
0.51mm (.020")	230-408	230-409	230-418	230-419

Package of 10

TP Original Wire

Extreme resiliency and hardness of the premier plus grade provide continuous, gentle forces without deformation or fracture when in use. Excellent for leveling in early stages of treatment and for overbite correction. Centerlines are marked (upper white, lower red) on each wire for quick reference. Wires are of adequate length to allow for retraction loops. Also available in 25.4 cm (10"), 30.5 cm (12") lengths or on 7.5 m (25 ft.) coils. See next page.

Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.36mm (.014")	336-131	336-130	336-121	336-120
0.41mm (.016")	336-331	336-330	336-321	336-320
0.46mm (.018")	336-431	336-430	336-421	336-420
0.51mm (.020")	336-531	336-530	336-521	336-520
0.56mm (.022")	336-031	336-030	336-021	336-020

Package of 10

TP Original Wire

Standard Grade (White Label)

Easiest to bend. Used for practice bending or forming auxiliaries. Can be used for archwires when distortion and bite-opening are not a problem.

Standard Plus Grade (Green Label)

Relatively easy to form, yet stiffer than Standard grade. Used for auxiliaries and archwires when more pressure and resistance to deformation are desired.

Premier Grade (Black Label)

Higher tensile strength, yet can be formed into intricate shapes with little danger of breakage. The 0.41mm (.016") is often used for starting arches in many techniques.

Premier Plus Grade (Orange Label)

Premier plus wire is routinely used by experienced operators. Hardness and resiliency of 0.41mm (.016") size are excellent for supporting anchorage and reducing deep overbites.



TP Original Wire Coils

Grade	Color Code	0.30mm (.012")	0.36mm (.014")	0.41mm (.016")	0.46mm (.018")	0.51mm (.020")	0.56mm (.022")
Standard	White	229-000	230-100	231-300	232-400	233-500	
Standard Plus	Green		230-110	231-310	232-410	233-510	
Premier	Black		230-120	231-320	232-420	233-520	
Premier Plus	Orange		230-130	231-330	232-430	233-530	234-630

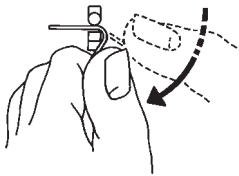
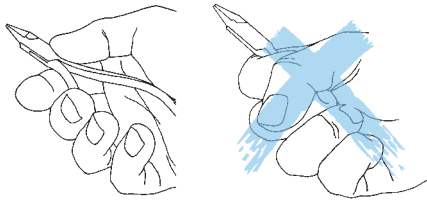
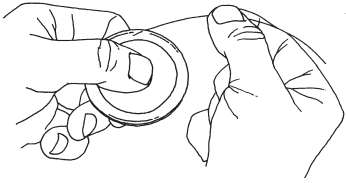
7.5 m (25 ft.) coil

TP Original Wire Lengths

Grade	Color Code	Length	0.36mm (.014")	0.41mm (.016")	0.46mm (.018")	0.51mm (.020")
Standard	White	25.4 cm (10")	230-101	231-301	232-401	233-501
Standard Plus	Green	25.4 cm (10")	230-111	231-311	232-411	233-511
Premier	Black	25.4 cm (10")	230-121	231-321	232-421	233-521
Premier Plus	Orange	25.4 cm (10")	230-131	231-331	232-431	233-531
Premier Plus	Orange	30.5 cm (12")	234-131	235-331	236-431	237-531

Package of 30

How to Bend or Modify Highest Tensile TP Original Wire



Loops and circles should be formed around the square beak.

Notice: Due to extreme hardness of the highest tensile grades of TP Original Wire, special attention must be given to bend it successfully.

1. DO NOT attempt to straighten wire by stripping between pliers beaks.
2. Hold pliers VERY lightly when bending wire. DO NOT SQUEEZE or pull on wire. Pliers must have smooth beaks—carbide tips are suitable, but only if polished.
3. Bend wire VERY slowly pressing with thumb or forefinger. Do not rotate pliers while bending. Loops and circles should be formed around the square beak and beaks should be separated slightly.
4. Never pinch the wire with the pliers—before or during bending.
5. Do not scratch wire to locate bends.

TP Original Wire becomes so hard from bending (work hardening) there is no need for heat-treating and there is no margin to permit “back-bending” to correct mistakes.

Shiny Bright Wire

35.6 cm (14") Lengths

Wire Size	Order No.
0.30mm (.012")	380-238
0.36mm (.014")	380-239
0.41mm (.016")	380-240
0.46mm (.018")	380-241
0.51mm (.020")	380-242
0.41 x 0.41mm (.016" x .016")	380-245
0.41 x 0.56mm (.016" x .022")	380-246
0.43 x 0.64mm (.017" x .025")	380-247
0.46 x 0.56mm (.018" x .022")	380-248
0.46 x 0.64mm (.018" x .025")	380-249
0.48 x 0.48mm (.019" x .019")	380-250
0.48 x 0.64mm (.019" x .025")	380-251
0.51 x 0.56mm (.020" x .022")	380-252
0.53 x 0.64mm (.021" x .025")	380-253
0.56 x 0.71mm (.022" x .028")	380-254

Package of 10

This shiny, bright chrome alloy wire is carefully drawn to exacting tolerances. Wires are heat-treated and stress-relieved to provide excellent spring properties without brittleness.

Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-047	381-046	381-049	381-048	383-561	383-560
0.36mm (.014")	381-051	381-052	381-061	381-062	383-563	383-562
0.41mm (.016")	381-053	381-054	381-063	381-064	383-565	383-564
0.46mm (.018")	381-055	381-056	381-065	381-066	383-567	383-566
0.51mm (.020")	381-057	381-058	381-067	381-068	383-569	383-568
0.41 x 0.41mm (.016" x .016")	381-071	381-070	381-081	381-080	383-571	383-570
0.41 x 0.56mm (.016" x .022")	381-073	381-072	381-083	381-082	383-573	383-572
0.43 x 0.64mm (.017" x .025")	381-075	381-074	381-085	381-084	383-575	383-574
0.46 x 0.56mm (.018" x .022")	381-245	381-246	381-091	381-090	383-583	383-582
0.46 x 0.64mm (.018" x .025")	381-077	381-076	381-087	381-086	383-585	383-584
0.48 x 0.64mm (.019" x .025")	381-079	381-078	381-089	381-088	383-577	383-576
0.55 x 0.64mm (.0215" x .025")	381-253	381-254	381-193	381-194	383-579	383-578
0.55 x 0.71mm (.0215" x .028")	381-197	381-198	381-191	381-192	383-581	383-580

Package of 10



Wire Size	Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch IV	Bio-Arch V
0.30mm (.012")	387-001	387-012	387-023	387-034	387-045
0.36mm (.014")	387-002	387-013	387-024	387-035	387-046
0.41mm (.016")	387-003	387-014	387-025	387-036	387-047
0.46mm (.018")	387-004	387-015	387-026	387-037	387-048
0.51mm (.020")	387-005	387-016	387-027	387-038	387-049
0.41 x 0.41mm (.016" x .016")	387-006	387-017	387-028	387-039	
0.41 x 0.56mm (.016" x .022")	387-007	387-018	387-029	387-040	387-051
0.43 x 0.64mm (.017" x .025")	387-008	387-019	387-030	387-041	387-052
0.46 x 0.56mm (.018" x .022")	387-056	387-058	387-060	387-062	387-064
0.46 x 0.64mm (.018" x .025")	387-057	387-059	387-061	387-063	387-065
0.48 x 0.64mm (.019" x .025")	387-009	387-020	387-031	387-042	387-053
0.55 x 0.64mm (.0215" x .025")	387-010	387-021	387-032	387-043	387-054
0.55 x 0.71mm (.0215" x .027")	387-011	387-022	387-033	387-044	387-055

Package of 10

Rounded Rectangular Wire

Wires are formed from highest quality stainless steel.

Rounded corners promote easier and faster bracket engagement and greatly reduce the chance of stress or fracture during engagement in ceramic brackets. Smooth, bright finish solders easily, resists corrosion and actively responds to electropolishing and reducing.

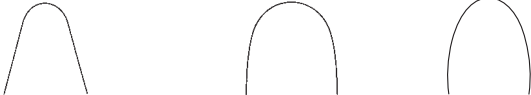
Recommended for use throughout treatment after leveling, in latter phases of treatment when torque control is required, and for detailed finishing. Maintains high-spring qualities. Yield point and tensile strength allow free manipulation with little danger of fracture.

Preformed archwires are precision-shaped to conform to average upper and lower arch forms with centerlines clearly marked. Upper arches feature triple etch marks; lowers have single etch marks.

17.8 cm (7") Lengths

Wire Size	Order No.
0.46 x 0.64mm (.018" x .025")	380-182
0.48 x 0.66mm (.019" x .026")	380-196
0.55 x 0.69mm (.0215" x .027")	380-157

Package of 100



Wire Size	Standard Arch Form		Straight Arch Form		Bio-Arch III Form
	Upper	Lower	Upper	Lower	
0.41 x 0.56mm (.016" x .022")	381-354	381-353	381-356	381-355	381-352
0.43 x 0.64mm (.017" x .025")	381-362	381-361	381-364	381-363	381-351
0.46 x 0.64mm (.018" x .025")	381-383	381-382	381-385	381-384	381-450
0.48 x 0.66mm (.019" x .026")	381-397	381-396	381-399	381-398	381-451
0.55 x 0.69mm (.0215" x .027")	381-358	381-357	381-360	381-359	381-452

Package of 10

Gold Tone Wire

Gold tone stainless steel rectangular wire offers excellent working characteristics. Can be easily soldered. High tensile, stress-relieved wire resists distortion and accepts intricate bends without fracture. Heat-treating is not required. Can be used after initial leveling for maximum torque control or in the latter phases of treatment for finishing.

Preformed wires are shaped to conform to average upper and lower arch forms. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Straight Arch Form	
	Upper	Lower
0.41 x 0.41mm (.016" x .016")	381-101	381-100
0.41 x 0.56mm (.016" x .022")	381-103	381-102
0.43 x 0.64mm (.017" x .025")	381-105	381-104
0.46 x 0.64mm (.018" x .025")	381-107	381-106
0.48 x 0.64mm (.019" x .025")	381-109	381-108

Package of 10

Twisted 3-Strand Wire

Rectangular, twisted wire with bright finish has a large working range and provides moderate forces. Excellent for leveling and aligning during initial phase of treatment. Wire may be cut without unraveling. Loops may be formed without fracture. Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Straight Arch Form	
	Upper	Lower
0.41 x 0.41mm (.016" x .016")	381-133	381-132
0.41 x 0.56mm (.016" x .022")	381-135	381-134
0.46 x 0.64mm (.018" x .025")	381-137	381-136

Package of 10

Co-Ax[®] Wire

Aligns crowded and rotated anteriors. Central core wire provides stability with five wrapped outer wires for resilience and flexibility. Provides light, continuous forces over a long period of time. Tightly wound, smooth, brightly finished exterior allows brackets to slide freely. Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Co-Ax Coils

0.41mm (.016")	0.46mm (.018")	0.51mm (.020")	0.56mm (.022")
231-356	231-358	231-360	231-362

9 m (30 ft.) coil

Co-Ax 35.6 cm (14") Lengths

0.41mm (.016")	0.46mm (.018")
231-355	231-375

Package of 10

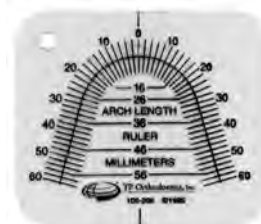


Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.41mm (.016")	381-127	381-126	381-121	381-120
0.46mm (.018")	381-129	381-128	381-123	381-122

Package of 10

Arch Length Ruler

100-206 Arch Length Ruler
Package of 2



Pre-Cut Co-Ax[®] Wire

Available in 28 convenient pre-cut lengths with ball-ends for patient comfort. Short Co-Ax (sizes 10 to 36mm) may be engaged in three, four or five teeth. Long Co-Ax (sizes 38 to 64mm) is designed for labial engagement in six anterior brackets.



Short Pre-Cut Co-Ax Wire

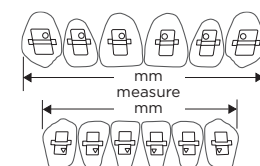
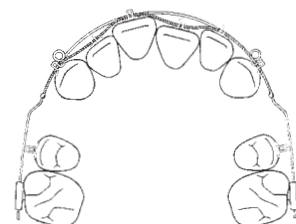
mm	0.41mm (.016")
10	231-210
12	231-212
14	231-214
16	231-216
18	231-218
20	231-220
22	231-222
24	231-224
26	231-226
28	231-228
30	231-230
32	231-232
34	231-234
36	231-236

Package of 2

Long Pre-Cut Co-Ax Wire

mm	0.41mm (.016")	0.46mm (.018")
38	231-038	231-138
40	231-040	231-140
42	231-042	231-142
44	231-044	231-144
46	231-046	231-146
48	231-048	231-148
50	231-050	231-150
52	231-052	231-152
54	231-054	231-154
56	231-056	231-156
58	231-058	231-158
60	231-060	231-160
62	231-062	231-162
64	231-064	231-164

Package of 2



Size selection is determined by total mesiodistal width of teeth to be engaged.

Woven 8-Strand Wire

Eight fine tightly woven strands are formed into a rectangular outer dimension with bright finish, high resiliency and torque control. Can be soldered or bent into loops. Conforms to average upper and lower arch forms. Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.41 x 0.41mm (.016" x .016")	381-203	381-204	381-207	381-208
0.41 x 0.56mm (.016" x .022")	381-151	381-150	381-145	381-144
0.46 x 0.64mm (.018" x .025")	381-153	381-152	381-147	381-146
0.48 x 0.64mm (.019" x .025")	381-201	381-202	381-205	381-206
0.53 x 0.64mm (.021" x .025")	381-155	381-154	381-149	381-148

Package of 10

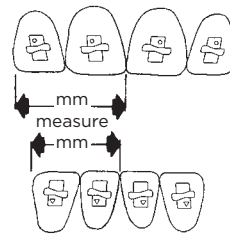
Woven wire is an excellent transitional wire from round to rectangular. The wire fills the edgewise slot for torque control, while the resiliency permits early application for leveling. Woven wire may be the only wire needed for simple cases.

Tip-Edge® Looped Archwires

Formed from 0.41mm (.016") TP Original Premier wire. Used in crowded non-extraction cases. Archwires have five loops. Small midline loop provides flexibility, avoids interference with the frenum and permits additional archwire adjustment. Intermaxillary circles are vertically inclined for comfort.

mm	0.41mm (.016")	mm	0.41mm (.016")
10	337-510	17	337-517
11	337-511	18	337-518
12	337-512	19	337-519
13	337-513	21	337-521
14	337-514	23	337-523
15	337-515	25	337-525
16	337-516	Kit*	337-500

*Kits include 48 wires of assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



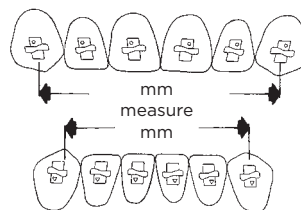
Size is determined by millimeter measurement of total width of one lateral and one central incisor.

Tip-Edge® Wires

Formed from highly resilient TP wire. Used in the Differential Straight-Arch® technique. Intermaxillary circles are vertically inclined for comfort. Bow-Flex® wire used for .016" archwires. TP Original Premier Plus used for all other arches.

mm	0.41mm (.016")	0.46mm (.018")	0.51mm (.020")	0.56mm (.022")
28	336-728	336-828	336-928	336-228
30	336-730	336-830	336-930	336-230
32	336-732	336-832	336-932	336-232
34	336-734	336-834	336-934	336-234
36	336-736	336-836	336-936	336-236
38	336-738	336-838	336-938	336-238
40	336-740	336-840	336-940	336-240
42	336-742	336-842	336-942	336-242
44	336-744	336-844	336-944	336-244
46	336-746	336-846	336-946	336-246
48	336-748	336-848	336-948	336-248
50	336-750	336-850	336-950	336-250
Kit*	336-700	336-800	336-900	336-200

*Kits include 48 wires of assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



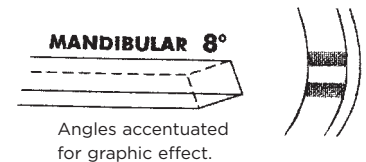
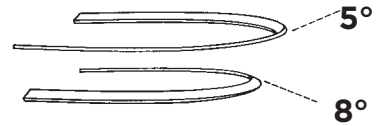
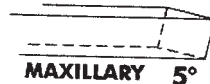
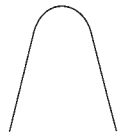
Size is determined by millimeter measurement between mesial surfaces of wings on cuspid brackets. Choose one size smaller than measurement to prevent spacing or rotation of cuspids.

Pretorqued Archwires

Shiny bright 0.55 x 0.71mm (.0215" x .028") stainless steel, preformed archwires with built-in root torque. Entire arch length is torqued, although wires can be adjusted to decrease or omit torque in the posterior segments while leaving torque in the anterior.

Maxillary 5° archwires are identified with a single etched centerline on gingival surface of no torqued side. Mandibular 8° wires feature double etched centerlines on occlusal surface of torqued side. Standard Arch shapes. Can be inverted to automatically achieve either labial or lingual root torque.

381-195 Maxillary 5°
381-196 Mandibular 8°
 Package of 10



Angles accentuated for graphic effect.

Preformed Archwire Dispensers

Made from solid wood base with walnut finish, these attractive dispensers store preformed archwires in upright position for convenient chairside use. Three designs are available to accommodate the varying arch widths and arch lengths of light wire, standard or straight arch forms.

350-001 Light Wire Arch Form
350-009 Straight Arch Form
336-600 Standard Arch Form
 Wires not included

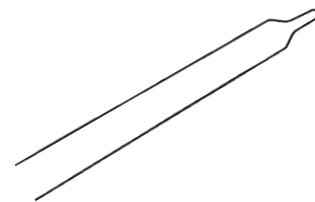


Preformed Ligature Ties

Available in highly polished stainless steel or tooth-colored coated wire for use with ceramic brackets. Length is ample for all tying pliers. Preformed into precise standard shapes.

382-001 Stainless Steel 0.25mm (.010")
 Package of 1,000

382-002 Tooth-Colored 0.30mm (.012")
 Package of 100



Coated ties are especially suitable for ceramic brackets - will not chip or crack the bracket nor bind the archwire. Stainless and coated ties are cut to ample length for all tying pliers and are preformed into precise standard shapes.

Angular Twisted Ligature Ties

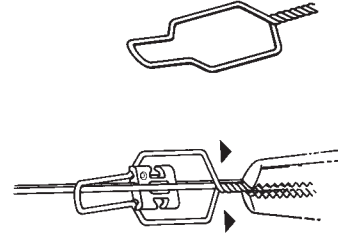
Preformed into precise, convenient shapes with looped ends angulated for easy placement. Stainless steel ties are highly polished and soft tempered.

281-093 Tooth-Colored 0.30mm (.012")
Package of 100

281-094 Stainless Steel 0.25mm (.010")
Package of 10

281-094C Stainless Steel 0.25mm (.010")
Package of 100

281-094D Stainless Steel 0.25mm (.010")
Package of 500

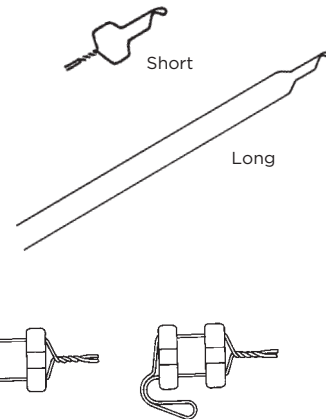


Kobayashi Ligature Ties

Precise, convenient shapes with looped ends angulated for easy placement. Available in highly polished stainless steel or tooth-colored for use with ceramic brackets.

	0.30mm (.012")	0.36mm (.014")
Stainless Steel, Long	281-070C	281-073C
Stainless Steel, Short	281-071C	281-074C
Tooth-Colored, Short	281-072C	

Package of 100



Ligature Wire on Spools

Highly polished finish will never tarnish or corrode. Extreme strength reduces breakage to a minimum.

Wire Size	Order No.
0.20mm (.008")	382-008
0.23mm (.009")	382-009
0.25mm (.010")	382-010
0.28mm (.011")	382-011
0.30mm (.012")	382-012

0.11 kg (.25 lb.), 0.22 kg (.5 lb.) or 0.45 kg (1 lb.) spool
(Specify with order)



5 INTRAORAL / EXTRAORAL



TP Orthodontics, Inc.
tportho.com
cosmeticbraces.com

INTRAORAL / EXTRAORAL

Coated Crimpable Hook

- Standard
- Aesthetic

Ribbed Crimpable Hook

- Standard
- Aesthetic

Crimpable Stop

- Standard
- Aesthetic

Solderable Stop

Bondable Traction Hooks

Curved Anterior Arch Ruler

Outrigger® Appliance

Palatal Arch Bars

- Preformed with Distal Loop
- Reverse with Mesial Loop

Power Hook

Bi-Level Pin

Power Pin

Torquing Auxiliaries

- Torque Bar
- Individual Root Torque
- Two-Spur Torque
- Four-Spur Torque
- Disposable Intraoral Ruler

Springs

- Rotating
- Standard Uprighting
- Side-Winder Uprighting
 - Original
 - Invisible
- Plain Uprighting

Miscellaneous

- Auxiliaries Combo Box
- Finger Ring Mount for Oriented Auxiliaries

Separators

- Super Slick® Stick
- Sep-A-Rings®
 - Super Slick
 - Original
- Self-Locking Springs
- “C” Separation Maintainers

Reflex® Coil Springs

- Double
- Open
- Aesthetic
- Closed

Lip Bumpers

- Nylon Coated and Non-Coated
- With Pads
- Plus

Facebow

Reverse Pull Headgear

High Pull Headcap

Neck Strap and Pad

Safety Release Modules

Aesthetic Crimpable Hooks, Crimpable Stops and Reflex® Coil Springs are part of a complete aesthetic solution.

Coated Crimpable Hook

Coated crimpable hooks are the first slide-proof crimpable hooks for rectangular wire to accept force loads equal to welded hooks. Inner surface features a tungsten carbide abrasive coating that produces a gripping force when hook is cinched tightly onto wire. For best results, use with wire sizes 0.41 x 0.41mm (.016" x .016") through 0.56 x 0.71mm (.022" x .028").

Crimpable hook pliers (100-172) or power crimping pliers (100-192) are recommended for application.



Patented

226-010 Crimpable Hook

Package of 10

226-020 Oriented Crimpable Hook

Package of 20

Aesthetic crimpable hooks are coated for compatibility with aesthetic bracket systems.

226-010W Crimpable Hook (aesthetic coating)

Package of 10

226-020W Oriented Crimpable Hook (aesthetic coating)

Package of 20

Ribbed Crimpable Hook

Ribbed crimpable hooks attach securely to rectangular and round archwires. Unique inner rib design produces acceptable force loads when hook is tightly cinched onto wire. For best results, use with rectangular wire sizes 0.41 x 0.41mm (.016" x .016") to 0.56 x 0.71mm (.022" x .028"). Hooks also grip round wire sizes 0.41mm (.016") to 0.56mm (.022").

Crimpable hook pliers (100-172) or power crimping pliers (100-192) are recommended for application.



Patented

226-014 Ribbed Crimpable Hook

Package of 10

226-015 Oriented Ribbed Crimpable Hook

Package of 20

Aesthetic ribbed crimpable hooks are coated for compatibility with aesthetic bracket systems.

226-014W Ribbed Crimpable Hook (aesthetic coating)

Package of 10

226-015W Oriented Ribbed Crimpable Hook (aesthetic coating)

Package of 20



Oriented

Crimpable Stop

When applied to the archwire mesial to the buccal tubes, Crimpable Stops conserve arch length by preventing the archwire from sliding distally into tubes. Designed to be placed on round or rectangular archwires, sizes 0.46mm round (.018") through 0.56 x 0.71mm (.022" x .028"). Can be used in conjunction with open coil springs to gain or maintain space.



Patented

Crimpable hook pliers (100-172) or power crimping pliers (100-192) are recommended.

226-009 Crimpable Stop
Package of 10

Aesthetic crimpable stops are coated for compatibility with aesthetic bracket systems.

226-009W Crimpable Stop (aesthetic coating)
Package of 10

Solderable Stop Facebows and Lip Bumpers

Heavy-duty stops for 1.14mm (.045") wire such as facebows and lip bumpers. Must be crimped and soldered onto wire.



226-008 Solderable Stops
Package of 10

Bondable Traction Hooks

Bondable traction hooks encourage and direct the eruption of malpositioned or impacted teeth when a portion of the crown is surgically exposed. Eyelets are securely soldered to 3.56mm (.140") diameter laminated mesh bonding bases. Base can be trimmed or recontoured, if necessary.

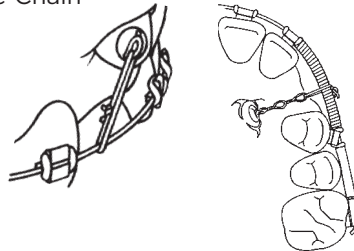
Round Traction Hook with stiff ligating chain may be used when tooth is deeply imbedded in gingival tissue. The 34mm (1.338") chain is formed from 0.31mm (.012") ligature wire and can be easily cut to required length as tooth continues to erupt.

Square Traction Hook has a lower profile than round hooks. Eyelet provides 30% more room to facilitate threading of steel or elastomeric ligatures.

Rumely Traction Hook is made from 14K gold-filled chain. The diameter of the bonding base is 3.56mm (.140"). The chain is 31.75mm (1.25") long and flexible. Chain links are large enough for easy engagement of elastic thread. Bases can be trimmed or recontoured.

Traction Hook with Polymer Mesh Base allows light to fully penetrate for a secure, strong bond. Metal pad is encased within polymer base for exceptional retention and durability.

- 224-011** Round Traction Hook
 - 224-012** Round Traction Hook with Stiff Chain
 - 224-013** Square Traction Hook
 - 224-014** Rumely Traction Hook with Flexible Chain
 - 224-015** Traction Hook with Polymer Base
- Package of 10



Round Traction Hook



Square Traction Hook



Round Traction Hook with Stiff Chain



Rumely Traction Hook with Flexible Chain

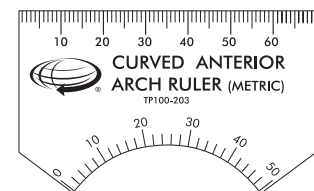


Polymer Mesh Base

Curved Anterior Arch Ruler

Measures the distances between anterior brackets or teeth. Curved edge facilitates measuring along the curve of anterior teeth. Used to help select Outrigger® appliances, preformed archwires with circle hooks, torquing auxiliaries with spurs and archwires with vertical loops.

- 100-203** Curved Anterior Arch Ruler
- Package of 10



Outrigger® Appliance

The patented Outrigger appliance is a simple means of ensuring Class I, II or III elastic wearing. It is easy to use with all treatment mechanics.

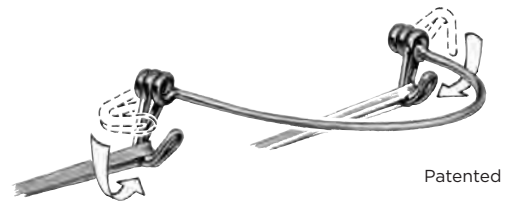
- Reduces adverse vertical forces delivered by Class II elastics
- Easy to use — engages on the main archwire
- Compatible with most treatment mechanics
- Economical
- Helps patients to properly engage elastics
- Predictable treatment schedule
- Available in nine sizes

To determine size, measure from the distal of the right lateral bracket to the distal of the left lateral bracket.

mm	Order No.
28	226-128
30	226-130
32	226-132
34	226-134
36	226-136
38	226-138
40	226-140
42	226-142
44	226-144
Standard Kit*	226-200
Trial Kit†	226-190

*Standard Kit contains 36 appliances: 6 each of sizes 34, 36 and 38; 3 of all other sizes; plus 3 arch rulers.

†Trial Kit contains 9 appliances
Individual Sizes: Package of 3



Patented



Outrigger Appliance



Outrigger in place with elastics engaged

Palatal Arch Bars

Palatal arch bars provide excellent control of upper first molars that require stabilization, rotation, torquing or expansion. Molars can be rotated to the buccal by compressing the palatal loop during insertion. Molar stability can be maintained by inserting passively. Removable bars are designed to fit 0.91mm (.036") lingual sheaths. Ligating palatal arch bars to the lingual sheath is recommended.

Preformed Palatal Arch Bars

Unique shape easily adapts to palate with little or no modification. Subtle molar offsets avoid gingival impingement. Loop is distally oriented.

Reverse Palatal Arch Bars

Adjustment loop is reversed (mesially oriented) to avoid gag reflex.

mm	Preformed Arch Bar	Reverse Arch Bar
37	352-237	352-037
40	352-240	352-040
43	352-243	352-043
46	352-246	352-046
49	352-249	352-049
52	352-252	352-052
Kit*	352-200	352-100

*Kit contains 30 arch bars of assorted sizes and an intraoral ruler.

Individual Sizes: Package of 5



Preformed Arch Bar



Reverse Arch Bar

Power Hook

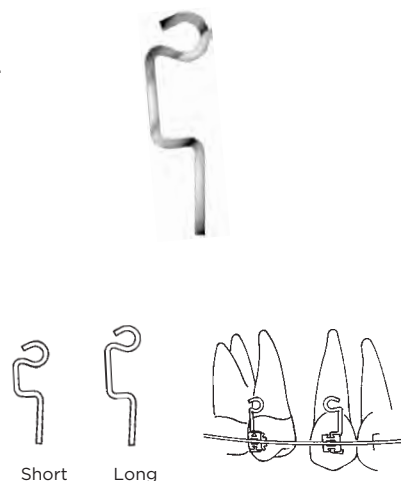
Power hooks are used for retraction or space closure on cuspids or bicuspid. Eliminates the need for special retraction brackets when inserted into the vertical slot of TPO edgewise brackets. Once engaged, hooks are of proper height to place force at the center of the long axis of the teeth. Cuspids and bicuspids can translate with less tendency for tipping.

The 0.46 x 0.46mm (.018" x .018") leg of the power hook is inserted from the gingival into the vertical bracket slot and bent mesially or distally around occlusal of bracket. Legs are annealed to facilitate bending. Can be placed or removed any time during treatment. May be placed with archwires attached.

201-130 Short (bicuspids)

201-131 Long (cuspids)

Oriented: Box of 20

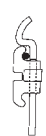


Bi-Level Pin

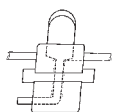
Designed for use with vertically slotted TPO brackets, this unique stainless steel pin provides a means for engaging two wires. Bi-Level Pin retains one wire 0.41mm (.016") maximum under gingival tie wing; the other wire is ligated in archwire slot.

201-142 Bi-Level Pin

Oriented: Box of 50



Hold main archwire under gingival tie wing. Place pin tail lingual to wire and into vertical slot.



Bend pin tail laterally.



Insert second wire into archwire slot. Place ligature around pin head and incisal tie wing.



Power Pin

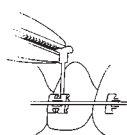
Ideal for engaging steel ligatures, elastics or any type of elastomers. Unlike ordinary power hooks, power pins have a low profile gingival head portion with a 15° labial inclination. Low profile for patient comfort and improved aesthetics. May be used on either the left or right.

Power pins can be inserted or removed from the vertical bracket slot with archwire and ligatures in place. Specially designed stainless steel power pins with added length are available for ceramic brackets with vertical slots.

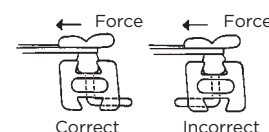


Stainless Steel Pins	For Metal Brackets	For MXi Ceramic Brackets
Oriented Box of 50	201-140	201-143
Non-Oriented Pack of 100	201-140C	201-143C
Non-Oriented Pack of 1,000	201-140M	201-143M

Tooth-Colored Pins	For PLUS Ceramic Brackets
On Metal Strips - 40	201-141



Insert power pin into vertical bracket slot from gingival with 15° angle head tipping toward labial.



Bend tail away from elastic force.

Torque Bar

Offers effective anterior lingual root torque with maximum aesthetics. The excellent shape memory of nickel titanium ensures that full activation is maintained until incisors have reached desired inclinations.

Insert the auxiliary into the archwire slot followed by the heavy round archwire and ligate with steel ties as tightly as possible. Auxiliaries with 20° or 30° torque should be used for active torque delivery while 0° torque bars are indicated for braking or stabilizing lower incisors.

For easy identification, one end of the 20° torque bars are marked blue on the labial surface; 30° are marked red. For maxillary lingual root torque, place marking on patient's right. For mandibular lingual root torque, marking should be on patient's left.

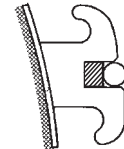
Gentle enough to use with ceramic edgewise brackets.

Torque	0.46 x 0.46mm (.018" x .018")	0.56 x 0.46mm (.022" x .018")
0°	343-105	343-103
20°	343-106	343-102
30°	343-107	343-104

Package of 5



Patented



Ceramic

Individual Root Torque

Use with any vertically slotted, narrow or wide edgewise bracket for torquing a single tooth in six to twelve weeks. May be used to achieve either palatal or labial root torque.

This auxiliary can be inserted into the bracket's vertical slot from the incisal to achieve palatal root torque, or from the gingival to create labial root torque.

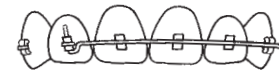
Insert short torquing arm as far into vertical slot as possible and engage long arm lingual to the 0.51mm (.020") or 0.56mm (.022") diameter archwire in four or five brackets for maximum torque. To prevent over-torquing from this "invisible" auxiliary, place a red dot (enclosed with package) on patient's treatment record the day of insertion as a reminder.

243-216 0.41mm (.016") Individual Root Torque

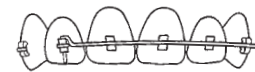
Package of 10



Patented



Palatal Root Torque



Labial Root Torque

Two-Spur Torque

Designed for use with any narrow or wide edgewise bracket when maxillary centrals require palatal root torque. The auxiliary is placed in the bracket slot first, followed by the main archwire.

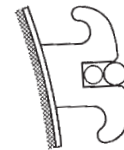
The last three digits of the catalog number indicate the auxiliary size in half and whole millimeters.

mm	0.41mm (.016")	mm	0.41mm (.016")
10	243-100	12.5	243-125
10.5	243-105	13	243-130
11	243-110	13.5	243-135
11.5	243-115		
12	243-120	Kit*	243-000

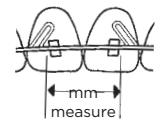
*Kit includes 32 assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



Extends distal to canine brackets for maximum activation.



Auxiliary is placed first followed by .020" or .022" round main archwire.



Four-Spur Torque

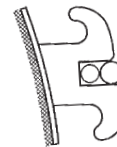
Designed for use with narrow edgewise brackets when four upper incisors require palatal root torque. The auxiliary is placed in bracket slots first, lingual to the main archwire. Last two digits of catalog number indicate auxiliary size.

mm(.016")	0.41mm mm	mm (.016")	0.41mm
27	242-027	32	242-032
28	242-028	33	242-033
29	242-029	34	242-034
30	242-030		
31	242-031	Kit*	242-000

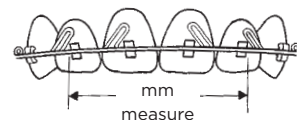
*Kit includes 32 assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



Extends distal to canine brackets for maximum activation.



Auxiliary is placed first followed by .020" or .022" round main archwire.



Disposable Intraoral Ruler

100-204 Intraoral Ruler
Package of 10



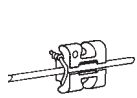
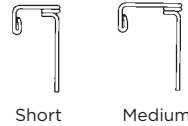
Rotating Spring

Designed for use with vertically slotted brackets. Achieves desired rotation in six weeks. Because of small inter-bracket distance, springs with short horizontal arms are recommended for lower anteriors. Use springs with medium arms on all other teeth.

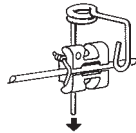
Length	Direction*	Non-Oriented	Oriented
Short	CCW	240-105	240-107
	CW	240-106	240-108
Medium	CCW	240-109	240-111
	CW	240-110	240-112

*Indicates desired direction of rotation when observing tooth from occlusal.

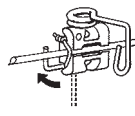
Non-Oriented: Package of 10 • Oriented: Box of 20



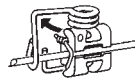
1. Ligate archwire to bracket. If rotation is severe, use steel tie around archwire on one side only.



2. Insert tail of rotating spring through vertical slot from the gingival.



3. While holding lever arm 90° to buccal surface, bend tail against tooth surface in direction of desired rotation.



4. Push arm to engage archwire in same direction as tail or "leg". Coil will be activated to deliver desired rotational force to tooth.

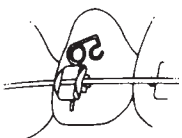
Standard Uprighting Spring

Standard uprighting springs quickly upright individual teeth mesiodistally when used with vertically slotted brackets. Springs are made from 0.36mm (.014") wire in clockwise and counterclockwise versions. For proper spring selection, view tooth from labial to determine whether crown requires clockwise or counterclockwise movement.

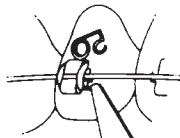
Length	Direction*	Non-Oriented	Oriented
Short	CCW	214-179	214-189
	CW	214-180	214-190
Long	CCW	214-181	214-191
	CW	214-182	214-192

*Indicates direction crown needs to upright when observing tooth from labial.

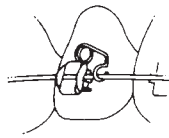
Non-Oriented: Package of 10 • Oriented: Box of 50



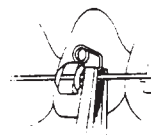
1. Insert leg behind ligature into vertical slot.



2. On long leg springs, bend leg laterally for retention and leverage.



3. Hook arm around wire. Hook opening should be toward lingual.



4. Compress hook around archwire for retention.

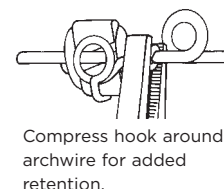
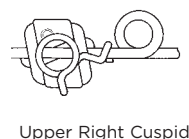
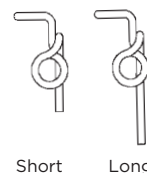
Original Side-Winder Uprighting Spring

Coil rests on labial surface of single-wing brackets for improved aesthetics and hygiene. May be inserted from gingival or incisal, providing a choice for engaging lever arm to avoid interference from adjacent spring. Insertion from incisal will prevent coil distortion from occlusal forces. Available with long or short vertical legs. Long legs may require bending or cutting.

Leg Length	Wire Size	Direction*	Non-Oriented	Oriented
Short	0.36mm (.014")	CCW	214-007	214-005
		CW	214-008	214-006
Long	0.36mm (.014")	CCW	214-003	214-001
		CW	214-004	214-002

*Indicates direction crown needs to upright when observing tooth from labial.

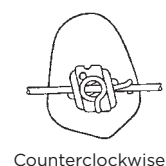
Non-Oriented: Package of 10 • Oriented: Long leg, box of 50 • Short leg: Box of 40



Invisible Side-Winder Uprighting Spring

Straight arm with right-angle hook allows spring to lie nearly parallel with archwire when engaged for an "invisible" look. Invisible side-winder springs are designed for use with Straight-Edge® and Tip-Edge® brackets.

Note that Invisible Side-Winder springs are placed first and the elastomeric ties second, allowing the elastomeric tie to retain both the archwire and the spring. Placing the ties over the springs also allows the ties to be easily replaced without removing the springs at future appointments.



For Single Wing Bracket

Direction*	Non-Oriented	Oriented
CCW	214-011	214-009
CW	214-012	214-010

*Indicates direction crown needs to upright when observing tooth from labial.

Non-Oriented: Package of 10

Oriented: Box of 40

Plain Uprighting Spring

Used for mesiodistal uprighting. Long “tail” and “arm” permit customized bending. Can be modified to serve as either rotating or molar uprighting springs.

Wire Size No.	Coils	Direction*	Order
0.30mm (.012")	2	CCW	222-001
		CW	222-002
0.36mm (.014")	2	CCW	222-101
		CW	222-102
0.41mm (.016")	2	CCW	222-301
		CW	222-302

*Indicates direction crown needs to upright when observing tooth from labial.

Package of 10



Auxiliary Combo Boxes

Auxiliary combo boxes contain an assortment of common auxiliaries, conveniently oriented in wax. Available in clockwise and counterclockwise series, with either original or invisible side-winder springs.



Power Pin



Crimpable
Hook
Patented



Rotating
Spring



Original
Side-Winder
Patented



Invisible
Side-Winder
Patented



Oriented

240-121 Auxiliary Combo Box
CCW Original Side-Winder
2 Power Pins
2 Crimpable Hooks
10 Short CCW Original Side-Winder Uprighting Springs
2 Short CCW Edgewise Rotating Springs
2 Medium CCW Edgewise Rotating Springs

240-123 Auxiliary Combo Box
CCW Invisible Side-Winder
2 Power Pins
2 Crimpable Hooks
10 CCW Invisible Side-Winder Uprighting Springs
2 Short CCW Edgewise Rotating Springs
2 Medium CCW Edgewise Rotating Springs

240-122 Auxiliary Combo Box
CW Original Side-Winder
2 Power Pins
2 Crimpable Hooks
10 Short CW Original Side-Winder Uprighting Springs
2 Short CW Edgewise Rotating Springs
2 Medium CW Edgewise Rotating Springs

240-124 Auxiliary Combo Box
CW Invisible Side-Winder
2 Power Pins
2 Crimpable Hooks
10 CW Invisible Side-Winder Uprighting Springs
2 Short CW Edgewise Rotating Springs
2 Medium CW Edgewise Rotating Springs

Finger Ring Mounts for Oriented Auxiliaries

Finger rings can be attached to any TPO auxiliary combo box and are designed to be worn by the operator when working alone.

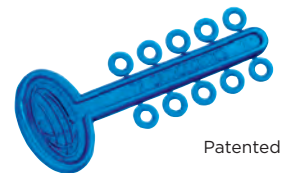
208-100 Ring Mounts
Package of 5



Super Slick® Stick Separators

Designed for individual patient use. Oval end assures easy grasping. Dark blue color simplifies identification when in the mouth. Separators are easily placed with TPO Sep-A-Rings placing plier (100-135).

353-002 Super Slick Stick Separators
Package of 25 sticks (250 separators)



Patented

Sep-A-Rings® Separators

Excellent for separating teeth prior to band placement. Precision molded from elastomeric material. Blue in color for identification when in place. Wedge-shaped inner circumference gently separates teeth in two or three days. Rings are easily placed with TPO Sep-A-Rings placing pliers (100-135) that spread and hold rings during placement.

Two sizes—small for anterior and large for posterior teeth.



Patented
Not Radio Opaque

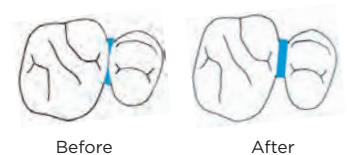
Super Slick®

Second generation separators with slippery surface that allows them to be seated more easily between teeth.

352-001C 100 Small Super Slick
352-001D 500 Small Super Slick
353-001C 100 Large Super Slick
353-001D 500 Large Super Slick

Original

352-000 10 Small Sep-A-Rings
352-000C 100 Small Sep-A-Rings
353-000 10 Large Sep-A-Rings
353-000C 100 Large Sep-A-Rings



Before

After



Small Large
actual size

Self-Locking Separating Springs

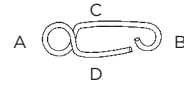
Springs produce continuous mild pressure and attain sufficient separation for band placement in three to four days. Can also be used for separating teeth to aid in eruption. Springs are easily placed and removed with ordinary small beak pliers (as illustrated).

Wire Size	Short	Medium	Long	Extra Long
0.46mm (.018")	352-018	351-018	353-018	354-018
0.51mm (.020")	352-020	351-020	353-020	354-020
0.56mm (.022")	352-022	351-022	353-022	354-022

Package of 10

Add C after part number to order package of 100.

Directions for placing and removing Self-Locking Separating Springs:



- A. Activating Coil
- B. Locking Coil
- C. Occlusal Leg
- D. Gingival Leg



Short Length—used between bicuspid and cuspids.



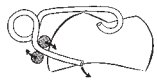
Medium Length—used between bicuspid, bicuspid and molars, or between molars if the contact area is small.



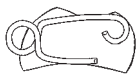
Long Length—used between molars where the contact area is wide.



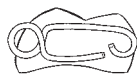
Extra Long Length—used between molars with broad interproximal contacts.



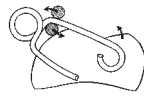
1. Hold gingival leg with small beak pliers.



2. Spring in place; legs separated.



3. After 3-4 days, separation is achieved.



4. Spring is removed by grasping occlusal leg and separating legs.

"C" Separation Maintainers

Preformed brass separation maintainers are placed around contact areas of posterior teeth to maintain space. Often used during intervals between banding appointments to hold space. Fabricated from 0.81mm (.032") brass wire.

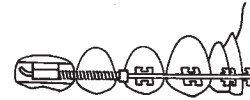


225-003 "C" Separation Maintainers

Package of 100

Reflex® Coil Springs

Deliver light, continuous force for efficient tooth movement with less patient trauma. Reactivation is not necessary. Springs will not deform when compressed or elongated, and return to their original shape as teeth move.



Double Coil Springs

Made from Reflex nickel titanium wire. Packaged in 18 cm (7") lengths. Can be cut to any length to provide optimum continuous maintenance or expansion force. Once threaded onto archwire, the spring ends press against adjacent brackets, crimpable stop or tube to create or maintain space.



Double Coil

- 210-508** .30mm (.012") wire with 1.4mm (.055") coil
 - 210-515** .25mm (.010") wire with .89mm (.035") coil
- Package of 3

Open Coil Springs

Packaged in 18 cm (7") lengths. Can be cut to any length and compressed to provide optimum continuous maintenance or expansion force.



Open Coil

- 210-500** Light force .25mm (.010") wire with .76mm (.030") I.D.
 - 210-501** Medium force .30mm (.012") wire with .76mm (.030") I.D.
 - 210-502** Heavy force .36mm (.014") wire with .91mm (.036") I.D.
- Package of 3

Medium aesthetic Reflex open coil spring is also available with coating. The coating is the same as that used on the aesthetic wires. The entire coil spring is coated.

- 210-501W** Aesthetic Reflex Coil Spring - Medium
- Package of 3

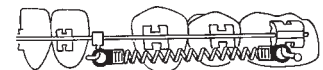
Closed Coil Springs

Deliver light, continuous force for canine retraction or anterior segmented retraction. Springs made with 0.76mm (.030") I.D. have eyelets on each end to simplify attachment. Inactivated spring length (excluding eyelets) is 3mm (.118"). Total activation length is 15mm (.591") without any deformation or change in force.

If retraction span is longer than 15mm (.591"), ligate two springs together with a ligature wire. Never expand the spring (excluding eyelets) more than 15mm.

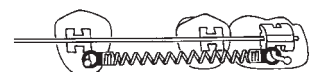
- 210-510** Light 150 g (5.3 oz.), 0.23mm (.009") wire
 - 210-511** Medium 200 g (7 oz.), 0.25mm (.010") wire
 - 210-512** Heavy 250 g (8.8 oz.), 0.28mm (.011") wire
- Package of 10

Anterior Retraction



Attach spring eyelets to molar hook and crimpable hook on archwire distal to laterals.

Canine Retraction



Attach spring eyelets to molar hook and cuspid hook.



Closed Coil

Lip Bumper

Proper application contributes to mandibular arch development, minimizing need for extraction treatment. Able to expand the arch and to distalize, rotate or upright molars.

Precision formed from 1.14mm (.045") spring-tempered stainless steel wire. May be ordered with or without hygienic nylon coating to reduce tissue irritation. Adjustable U-shaped molar loops act as molar stops and serve as transverse, vertical or sagittal adjustment areas.

Available with or without ligation hooks that permit tying the appliance to molar tubes. Cuspid loops are also available to provide larger lip contact areas for increased distal force.



Coated with Cuspid and Molar Loops



Ligation Hook

Nylon Coated with Molar Loops

Without Cuspid Loops

Size	With Lig. Hook
0	380-400
1	380-401
2	380-402
3	380-403
4	380-404

Individual sizes: Package of 3

With Cuspid Loops

Size	With Lig. Hook
0	380-300
1	380-301
2	380-302
3	380-303
4	380-304



Coated with Molar Loops

380-410 Universal—Coated without cuspid or molar loops
Package of 3

Non-Coated with Molar Loops

Without Cuspid Loops

Size	With Lig. Hook
0	380-430
1	380-431
2	380-432
3	380-433
4	380-434

Individual sizes: Package of 3

With Cuspid Loops

Size	With Lig. Hook
0	380-330
1	380-331
2	380-332
3	380-333
4	380-334



Non-Coated with Molar Loops

Lip Bumper with Pads

Features anatomically contoured anterior polypropylene pad with gentle radii. Special design reduces tissue irritation and frenum impingement. Pad is slightly flexible to facilitate minor anterior wire adjustments.

Precision formed from 1.14mm (.045") spring tempered stainless steel. Adjustable U-shaped molar loops serve as stops and simplify transverse, vertical or sagittal adjustments. Ligation hooks facilitate tying to molar tubes.



Ligation Hook

Lip Bumper

Size	With Lig. Hook	Without Lig. Hook
Universal	—	380-480
0	380-460	380-470
1	380-461	380-471
2	380-462	380-472
3	380-463	380-473
4	380-464	380-474
5	380-465	
6	380-466	
7	380-467	
8	380-468	
Kit*	380-469	

*Kit includes 3 each of sizes 0 through 8.
Individual sizes: Package of 3



Universal without Molar Loops



Sizes 0-8 with Molar Loops

Lip Bumper Plus

Features a smaller thermoplastic pad that is both bendable and bondable and can easily be adapted to any arch form. Brackets, hooks or buttons with bondable bases can be bonded to the lip bumper pads to attach Class III elastics for enhanced molar distalization. Distal legs of bumpers are offset occlusally so arch development and distalization forces are directed more efficiently. Available with or without ligation hooks.



Lip Bumper Plus with Button Bonded on Pad

Lip Bumper Plus

Size	With Lig. Hook	Without Lig. Hook
0	380-490	380-500
1	380-491	380-501
2	380-492	380-502
3	380-493	380-503
4	380-494	380-504

Individual sizes: Package of 3



Lip Bumper Plus

Facebow

For superior strength and safety, a plastic pad is injection molded around the area where the outer and inner bows are welded together to eliminate weld failure. Design resists pull-tests up to 112.5 kg (250 lbs.). Similar tests of competitor products fail at 16 kg (35.5 lbs.). Outer bow features integral ball ends for patient safety.

Unique bi-dimensional inner bow also adds strength. Made from one wire, the anterior portion measures 1.83mm (.072") for anterior rigidity, while the posterior segments are reduced to 1.14mm (.045") to facilitate molar loop adjustments.

Standard and mini length outer bows are offered with or without inner bow hooks for elastic engagement.

Safety Note:

Every patient and parent should be instructed in proper and safe usage of a facebow.



With Molar Loops

		Color Code	Without Cuspid Hooks	With Cuspid Hooks
White Pads Standard	83mm (3.267")	White	105-234	
	90mm (3.593")	White	105-235	
	97mm (3.819")	White	105-236	
	104mm (4.094")	White	105-237	
	111mm (4.380")	White	105-238	
Mini	83mm (3.267")	White	105-214	
	90mm (3.593")	White	105-215	
	97mm (3.819")	White	105-216	
	104mm (4.094")	White	105-217	
	111mm (4.380")	White	105-218	
Color Pads Standard	83mm (3.267")	Yellow	105-202	105-209
	90mm (3.593")	Blue	105-203	105-210
	97mm (3.819")	Grey	105-204	105-211
	104mm (4.094")	Green	105-205	105-212
	111mm (4.380")	Red	105-206	105-213
Mini	83mm (3.267")	Yellow	105-224	105-229
	90mm (3.593")	Blue	105-225	105-230
	97mm (3.819")	Grey	105-226	105-231
	104mm (4.094")	Green	105-227	105-232
	111mm (4.380")	Red	105-228	105-233

Package of 1



Inner Bow Hook



Without Molar Loops

	Color Code	Without Cuspid Hooks
Standard	White	105-200
	Yellow	105-244
	Blue	105-245
	Grey	105-246
	Green	105-247
	Red	105-248
Mini	White	105-201
	Yellow	105-249
	Blue	105-250
	Grey	105-251
	Green	105-252
	Red	105-253

Package of 1



Stainless Steel Reverse Pull Headgear

For correction of Class III, cleft palate and maxillary insufficiencies. Made from stainless steel wire and non-toxic acrylic. Forehead and chin pads are lined with natural leather for patient comfort. Adjustments can be accomplished by using set screws and wrench (included) that allow bar to slide into attachments. Attachments on traction bar are also adaptable and locked by set screws in metal housing to permit postero-anterior movement.

- 105-030** Reverse Pull Headgear, Package of 1
- 105-035** Replacement Chin Pads
- 105-036** Replacement Head Pads, Package of 3



High Pull Headcap* Safety Release

Made from multi-colored, soft cotton or soft brushed denim. "C" clips are designed to disengage at 2 to 3 kg (5 to 6 lbs.) of pressure should the facebow be accidentally pulled from the patient's mouth. Modules are calibrated for medium force with each strap hole representing approximately 227 g (8 oz.), e.g. 3 holes tension—680 g (24 oz.).

- 105-005** Denim Headcap with "C" Clip Modules, Package of 1
- 105-006** Denim Headcaps without "C" Clip Modules, Package of 6
- 105-008** Col-R Headcap with "C" Clip Modules, Package of 1
- 105-010** Col-R Headcaps without "C" Clip Modules, Package of 6



Neck Strap and Pad* Safety Release

The quick release system is designed to disengage at 2 to 3 kg (5 to 6 lbs.) of pressure should the facebow be accidentally pulled from the patient's mouth. Spring modules are calibrated for medium forces with each strap hole representing approximately 227 g (8 oz.) of force per side.



Straps can be purchased either with or without pads.

Denim

- 105-001** Neck Straps without "C" Clip Modules, Package of 6
- 105-018** Neck Pads, Package of 6
- 105-016** Neck Strap with "C" Clip Modules, Package of 1
- 105-017** Neck Strap and Neck Pad, Combination with "C" Clip Modules, Package of 1
- 105-013** Neck Strap and Neck Pad, Combination without "C" Clip Modules, Package of 6



Col-R

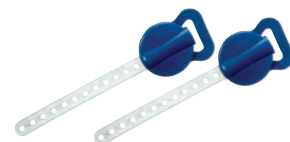
- 105-003** Neck Straps without "C" Clip Modules, Package of 6
- 105-004** Neck Pads, Package of 6
- 105-012** Neck Strap and Neck Pad, Combinations without "C" Clip Modules, Package of 6
- 105-014** Neck Strap with "C" Clip Modules, Package of 1
- 105-015** Neck Strap and Neck Pad, Combination with "C" Clip Modules, Package of 1



Combination Neck Pad, Neck Strap with or without Safety Modules

Safety Release Modules*

Safety release "C" clip modules are designed to disengage at 2 to 3 kg (5 to 6 lbs.) of pressure should the facebow be accidentally pulled from the patient's mouth. Spring modules are calibrated for medium forces with each strap hole representing approximately 227 g (8 oz.) of force per side.



- 105-019** Safety Release Modules, Package of 2

**Color(s) of delivered products may be different than what they appear here as materials/processes have been changed.*

Notes:

[illegible]

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6

ELASTICS AND ELASTOMERS



TP Orthodontics, Inc.
tportho.com
cosmeticbraces.com

ELASTICS AND ELASTOMERS

Elastics

- Tru-Force® Latex Elastics
 - Cartons
 - Master Pouches
 - Bulk
- Elastics Wearing Guide
- Elastics Dispenser
- Elastics Bags

Elastomers

- Stickyring® Ligature Holder
- Mini Stix Ligature Ties
- Ligatures
 - Carousel Ligature Dispenser
 - Refill Tubes
- E-Links® Modules
- E-Chain
- Elast-O Chain
- E-Kit
- Super Slick® Chain
- Zing String® Elastomeric Thread
- Elastic Thread
- Zing-O® String
- Bump-R-Sleeve® Tubing

Tru-Force® Latex Elastics Cartons

Cartons contain either 60 or 80 individual zip-top patient packets of 100 elastics. Cartons make an excellent elastics dispensing system when used with TPO's exclusive plastic dispenser.



Diameter	Packet Color Code	Prior Industry Values	TRU-FORCE VALUES		PLAIN LATEX Order No.	COL-R-LASTICS Order No.	Patient Packets Per Box
			30mm	20mm			
 1/8"	White	2 oz.	3.7 oz. (105 g)	3.2 oz (92 g)	362-505	372-505	80
	Red	3.5 oz.	4.0 oz. (113 g)	3.6 oz (104 g)	362-504	372-504	80
 3/16"	Grey	4.5 oz.	4.5 oz. (129 g)	4.2 oz (120 g)	362-514	372-514	80
	Fiesta Pink	6 oz.	8.7 oz. (249 g)	7.2 oz (206 g)	362-524		60
	Magenta	8 oz.	10.6 oz. (301 g)	9.0 oz (256 g)	362-534		60
 1/4"	Blue	3.5 oz.	4.6 oz. (131 g)	3.3 oz (94 g)	362-503	372-503	80
	Orange	4.5 oz.	4.9 oz. (139 g)	3.5 oz (99 g)	362-513	372-513	80
	Teal	6 oz.	8.0 oz. (228 g)	5.6 oz (161 g)	362-523		60
	Lime	8 oz.	10.0 oz. (284 g)	6.8 oz (195 g)	362-533		60
 5/16"	Yellow	2 oz.	2.6 oz. (74 g)	1.6 oz (47 g)	362-500	372-500	80
	Green	3.5 oz.	3.1 oz. (89 g)	1.8 oz (54 g)	362-502	372-502	80
	Tan	4.5 oz.	3.6 oz. (103 g)	2.2 oz (63 g)	362-512	372-512	80
	Mauve	6 oz.	6.5 oz. (187 g)	4.0 oz (114 g)	362-522		60
 3/8"	Pink	3.5 oz.	2.9 oz. (83 g)	1.5 oz (43 g)	362-501	372-501	60
	Lavender	4.5 oz.	3.2 oz. (93 g)	1.7 oz (50 g)	362-511	372-511	60

Plain elastics are light amber or nearly colorless.

Col-R-Lastics® elastics feature a single color of your choice in each package. The color is a thin, permanently bonded casing that retains its appearance during treatment.



*Plain Elastics
Amber in color*



*Col-R-Lastics
One color in a package*



Tru-Force values are approximate and vary with distance and time. Values are determined after first prestretching the elastics to their elastic limits. This simulates the action of placing in the mouth and provides realistic intraoral force values. Historically, elastic force has been identified by stretching the elastic three times its diameter. This distance is very difficult to determine in the mouth and is highly impractical. Forces when elastics are stretched three times diameter have little clinical significance and are listed here for reference only. Latex elastics may cause allergic reactions on some people.

Tru-Force® Latex Elastics

Master Pouches

Master Pouch packages contain pre-packaged elastics, eliminating hand packaging by office staff and saving time and money. Master pouches contain 20 zip-top envelopes of 100 elastics each for convenient distribution to patients.



Diameter	Packet Color Code	Prior Industry Values	TRU-FORCE VALUES		PLAIN LATEX Order No.	COL-R-LASTICS Order No.
			30mm	20mm		
1/8"	White	2 oz.	3.7 oz. (105 g)	3.2 oz (92 g)	362-005	372-005
3/16"	Red	3.5 oz.	4.0 oz. (113 g)	3.6 oz (104 g)	362-004	372-004
	Grey	4.5 oz.	4.5 oz. (129 g)	4.2 oz (120 g)	362-014	372-014
	Fiesta Pink	6 oz.	8.7 oz. (249 g)	7.2 oz (206 g)	362-024	
	Magenta	8 oz.	10.6 oz. (301 g)	9.0 oz (256 g)	362-034	
1/4"	Blue	3.5 oz.	4.6 oz. (131 g)	3.3 oz (94 g)	362-003	372-003
	Orange	4.5 oz.	4.9 oz. (139 g)	3.5 oz (99 g)	362-013	372-013
	Teal	6 oz.	8.0 oz. (228 g)	5.6 oz (161 g)	362-023	
	Lime	8 oz.	10.0 oz. (284 g)	6.8 oz (195 g)	362-033	
5/16"	Yellow	2 oz.	2.6 oz. (74 g)	1.6 oz (47 g)	362-000	372-000
	Green	3.5 oz.	3.1 oz. (89 g)	1.8 oz (54 g)	362-002	372-002
	Tan	4.5 oz.	3.6 oz. (103 g)	2.2 oz (63 g)	362-012	372-012
	Mauve	6 oz.	6.5 oz. (187 g)	4.0 oz (114 g)	362-022	
3/8"	Pink	3.5 oz.	2.9 oz. (83 g)	1.5 oz (43 g)	362-001	372-001
	Lavender	4.5 oz.	3.2 oz. (93 g)	1.7 oz (50 g)	362-011	372-011

Master pouch of 2,000 elastics
(20 patient packets of 100 elastics counted by weight)

Plain elastics are light amber or nearly colorless.

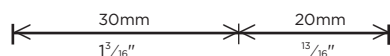
Col-R-Lastics® elastics feature a single color of your choice in each package. The color is a thin, permanently bonded casing that retains its appearance during treatment.



Plain Elastics
Amber in color



Col-R-Lastics
One color in a package



Superior quality, surgical latex tubing is selected for TPO elastics. Uniform wall thickness and accurate cutting technique provide reliable forces.

Tru-Force values are approximate and vary with distance and time. Values are determined after first prestretching the elastics to their elastic limits. This simulates the action of placing in the mouth and provides realistic intraoral force values. Historically, elastic force has been identified by stretching the elastic three times its diameter. This distance is very difficult to determine in the mouth and is highly impractical. Forces when elastics are stretched three times diameter have little clinical significance and are listed here for reference only. Latex elastics may cause allergic reactions on some people.

Tru-Force® Latex Elastics

Bulk Packs

Bulk packages contain 1,000 elastics. Combined with zip-top envelopes, bulk elastics are excellent for offices that prefer to custom-pack their own elastics.



Diameter	Packet Color Code	Prior Industry Values	TRU-FORCE VALUES		PLAIN LATEX Order No.	COL-R-LASTICS Order No.
			30mm	20mm		
 1/8"	White	2 oz.	3.7 oz. (105 g)	3.2 oz (92 g)	360-005	370-005
	Red	3.5 oz.	4.0 oz. (113 g)	3.6 oz (104 g)	360-004	370-004
 3/16"	Grey	4.5 oz.	4.5 oz. (129 g)	4.2 oz (120 g)	360-014	370-014
	Fiesta Pink	6 oz.	8.7 oz. (249 g)	7.2 oz (206 g)	360-024	
	Magenta	8 oz.	10.6 oz. (301 g)	9.0 oz (256 g)	360-034	
 1/4"	Blue	3.5 oz.	4.6 oz. (131 g)	3.3 oz (94 g)	360-003	370-003
	Orange	4.5 oz.	4.9 oz. (139 g)	3.5 oz (99 g)	360-013	370-013
	Teal	6 oz.	8.0 oz. (228 g)	5.6 oz (161 g)	360-023	
	Lime	8 oz.	10.0 oz. (284 g)	6.8 oz (195 g)	360-033	
 5/16"	Yellow	2 oz.	2.6 oz. (74 g)	1.6 oz (47 g)	360-000	370-000
	Green	3.5 oz.	3.1 oz. (89 g)	1.8 oz (54 g)	360-002	370-002
	Tan	4.5 oz.	3.6 oz. (103 g)	2.2 oz (63 g)	360-012	370-012
	Mauve	6 oz.	6.5 oz. (187 g)	4.0 oz (114 g)	360-022	
 3/8"	Pink	3.5 oz.	2.9 oz. (83 g)	1.5 oz (43 g)	360-001	370-001
	Lavender	4.5 oz.	3.2 oz. (93 g)	1.7 oz (50 g)	360-011	370-011

Packages of 1,000 counted by weight.

Plain elastics are light amber or nearly colorless.

Col-R-Lastics® elastics feature a single color of your choice in each package. The color is a thin, permanently bonded casing that retains its appearance during treatment.



*Plain Elastics
Amber in color*



*Col-R-Lastics
One color in a package*

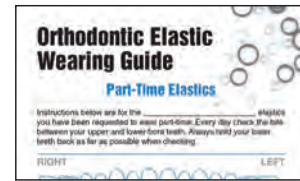


Tru-Force values are approximate and vary with distance and time. Values are determined after first prestretching the elastics to their elastic limits. This simulates the action of placing in the mouth and provides realistic intraoral force values. Historically, elastic force has been identified by stretching the elastic three times its diameter. This distance is very difficult to determine in the mouth and is highly impractical. Forces when elastics are stretched three times diameter have little clinical significance and are listed here for reference only. Latex elastics may cause allergic reactions on some people.

Elastics Wearing Guide

An excellent aid for instructing patients on the proper wearing of both part-time and full-time elastics. Printed with artwork for drawing appropriate “prescription” for elastics.

100-005 Elastics Wearing Guide, English
Package of 25



Elastics Dispenser

Designed for convenient storage and dispensing of TPO prepackaged elastics dispensing cartons. Holds six TPO elastics dispensing cartons.

362-200 Elastics Dispenser



Empty Elastic Bags

Empty zip-top bag is available in ten colors that coordinate with TPO elastic color codes. Printed with artwork for drawing appropriate “prescription” for elastics with a ball point pen.

361-010 Yellow	361-015 White
361-011 Pink	371-011 Lavender
361-012 Green	371-012 Tan
361-013 Blue	371-013 Orange
361-014 Red	371-014 Grey

Package of 100 Package of 100



Stickyring[®] Ligature Holder

Stickyring ligature holders keep elastomeric ligatures at hand for ease of use.

100-470 Stickyring
Package of 10



Patented

Mini Stix Ligature Ties

Ten elastomeric ligatures on a central stick with a 3.0mm (.120") outer diameter. Made from highly resilient, colorfast and stain-resistant material. Virtually frictionless due to Metafasix® technology that provides a slippery surface when moistened.

Color	Standard Mini Stix	Super Slick Mini Stix	Color	Standard Mini Stix	Super Slick Mini Stix
Pale Pink	383-916	382-916	Red	383-928	382-928
Lavender	383-917	382-917	Yellow	383-929	382-929
Mint	383-918	382-918	Orange	383-930	382-930
Tooth-Colored	383-919	382-919	Light Blue	383-931	382-931
Clear	383-921	382-921	White	383-932	382-932
Pink	383-922	382-922	Silver-Grey	383-934	382-934
Purple	383-923	382-923	Evergreen	383-937	382-937
Green	383-924	382-924	Navy Blue	383-938	382-938
Blue	383-925	382-925	Burgundy	383-939	382-939
Black	383-927	382-927	Teal	383-940	382-940

Package of 40 Stix

383-941 Standard Mini Stix Assorted Colors Package

Package of 100 Stix (5 of each color)



Carousel Dispensers

Economical and easy to use. Thirteen compartments accommodate a variety of ligature colors. Each outside compartment holds approximately 350 ligatures. Center compartment can hold up to 2,500 ligatures. Contains an estimated 4,550 elastomeric ligatures by weight.

361-098 With Standard Silver-Grey and Clear Ligatures

361-099 With Standard Multi-Color Ligatures

Highlighted items below show ligatures available in multi-colored carousels.

382-898 With Super Slick Silver-Grey and Clear Ligatures

382-899 With Super Slick Multi-Color Ligatures

Highlighted items below show ligatures available in multi-colored carousels.



361-098
382-898
Latex-Free

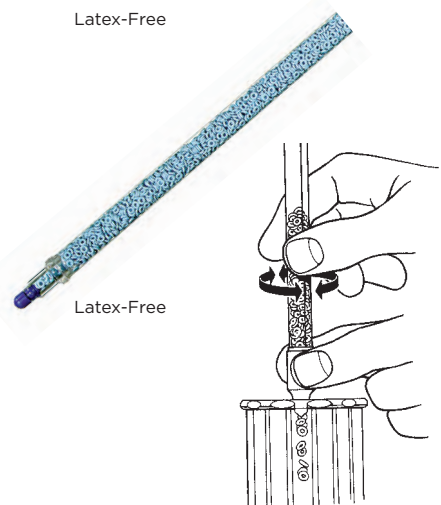
361-099
382-899
Patented
Latex-Free

Carousel Refill Tubes

Color	Standard Ligatures	Super Slick Ligatures	Color	Standard Ligatures	Super Slick Ligatures
Pale Pink	361-074	382-874	Pink	361-087	382-887
Lavender	361-075	382-875	Purple	361-088	382-888
Tooth-Colored	361-076	382-876	Green	361-089	382-889
Mint	361-077	382-877	Blue	361-090	382-890
Evergreen	361-079	382-879	Black	361-092	382-892
Navy Blue	361-080	382-880	Red	361-093	382-893
Burgundy	361-081	382-881	Yellow	361-094	382-894
Teal	361-082	382-882	Orange	361-095	382-895
Silver-Grey	361-083	382-883	Light Blue	361-096	382-896
Clear	361-086	382-886	White	361-097	382-897

Each refill tube holds approximately 2,000 elastomeric ligatures by weight.

Outer compartments of carousel can be refilled nearly six times from one refill tube.



E-Links® Modules

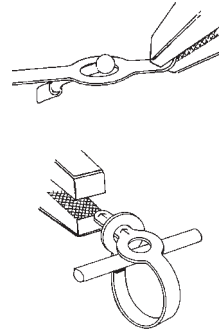
For rotating individual teeth or closing intra-arch space. Stamped from highly resilient clear or grey material. Larger sizes (E5 through E10) have unique tab for ease of engagement on posterior hooks and to facilitate locking around the archwire.



	Actual Size	Clear	Grey
E1		389-001	384-001
E2		389-002	384-002
E3		389-003	384-003
E4		389-004	384-004
E5		389-005	384-005
E6		389-006	384-006
E7		389-007	384-007
E8		389-008	384-008
E9		389-009	384-009
E10		389-010	384-010

Package of 10

Add C after the part number to order packages of 100.

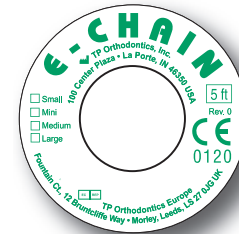


E-Chain

Color E-Chain is stamped from bright, resilient thermoplastic material. Grey and clear are made from highly resilient thermoset material.

	Small 	Mini 	Medium 	Large
Grey	383-050	390-150	384-050	385-050
Clear	388-050	390-172	389-050	390-050
Blue	388-051	390-151	389-051	390-051
Red	388-052	390-152	389-052	390-052
Black	388-053	390-153	389-053	390-053
Aqua (Teal)	388-054	390-154	389-054	390-054
Purple	388-055	390-155	389-055	390-055
Tooth-Colored	388-056	390-156	389-056	390-056
Magenta	388-057	390-157	389-057	390-057
Pink	388-058	390-158	389-058	390-058
Orange	388-059	390-159	389-059	390-059
Green	388-060	390-160	389-060	390-060
Silver	388-061	390-161	389-061	390-061
Yellow	388-062	390-162	389-062	390-062
White	388-063	390-163	389-063	390-063
Ecru	388-064	390-164	389-064	390-064
Evergreen	388-065	390-165	389-065	390-065
Navy Blue	388-066	390-166	389-066	390-066
Gold	388-067	390-167	389-067	390-067
Light Blue	388-068	390-168	389-068	390-068
Pale Pink	388-069	390-169	389-069	390-069
Lavender	388-070	390-170	389-070	390-070
Mint Green	388-071	390-171	389-071	390-071

1.5 m (5 ft.) spool



Latex-Free

Elast-O Chain

Provides light, continuous traction force. Stamped from translucent resilient elastomeric material. Available in 0.74mm (.029") thickness.

386-050 1.5 m (5 ft.) spool



Latex-Free

E-Kit

Contains 10 sizes of E-Links®, 50 pieces of each size, and three sizes of E-Chain (small, medium, mini) in 1.5 m (5 ft.) spools. Provides an excellent variety of the most frequently used elastomers for rotating teeth, closing interarch spaces or effecting individual tooth movement. Available with grey or clear elastomers. Opaque lid protects against light damage.

384-000 E-Kit with Grey Elastomers

389-000 E-Kit with Clear Elastomers

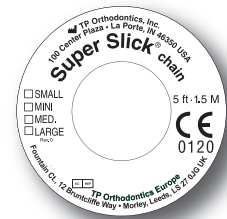


Latex-Free

Super Slick® Chain (SSc)

	Small 	Mini 	Medium 	Large 
Grey	388-249	390-273	389-249	390-249
Clear	388-250	390-272	389-250	390-250

1.5 m (5 ft.) spool



Latex-Free

Slip Free Zing String® Elastomeric Thread

- Aesthetic, clear material
- Resists attack by mouth fluids — remains active for months
- Special cohesive surface helps keep knots tied

Solid core Zing String can be used to close space where it is impossible or impractical for the patient to place regular elastics. Sometimes used in place of intramaxillary elastics on uncooperative patients. Excellent for rotating teeth.

100-247 Light, 0.46mm (.018") diameter

100-245 Light, 0.51mm (.020") diameter

100-246 Heavy, 0.64mm (.025") diameter
Spool of 7.5 m (25 ft.)



Latex-Free

Elastic Thread

Designed for physiologic tooth movement. Special weave of nylon fibers resists unraveling, protects the lively latex core and provides relatively firm ends to allow threading between teeth and through eyelets. Excellent for erupting surgically exposed impacted teeth.

100-225 Light – yellow spool

100-226 Medium – red spool

100-227 Heavy – blue spool

Approximately 25.5 m (85 ft.) per spool



Latex-Free

Slip Free Zing-O® String

Ideal for intraoral applications such as minor space closing, slight rotations and cuspid retractions. Odorless and non-irritating, Zing-O String is easy to work with and won't slip or untie like conventional threads.

	Clear	Grey
Light 0.64mm (.025") O.D.	100-241	100-243
Heavy 0.76mm (.030") O.D.	100-242	100-244

Spool of 7.5 m (25 ft.)



Latex-Free

Bump-R-Sleeve® Tubing

Flexible, plastic tubing that can be slipped over the archwire to create a protective sleeve.

Larger diameter sleeve acts as a bumper to protect buccal mucosa from irritation in bicuspid areas. When cut to proper length, sleeves can function as horizontal stops to prevent over-closure of spaces anywhere in the arch.

I.D.	Spool	Grey	White
0.46mm (.018")	3.0 m (10 ft.)	100-237	100-239
0.79mm (.031")	1.5 m (5 ft.)	100-238	100-240



Latex-Free

7 ADHESIVES



ADHESIVES

Bonding Adhesives

- eXact® Clear Orthodontic Adhesive
- Turbo Bond® II Light Cure
- Right-On® Self Cure

Banding Cements

- CrossLink® Light Cure Caplets
- CrossLink® Light Cure Syringes

Bonding Enhancers

- CrossLink® Cement Intensifier
- Enamel Conditioner Solution
- Enamel Conditioner Gel
- TPO® Blue Etchant Gel
- Porcelain Primer

Adhesive Accessories

- Adhesive Mixing and Orientation Tray
- Tongue-Away® Shields
 - Clear Plastic
 - Colored Plastic
 - Disposable
- Lingual Tongue-Away® Shield
- Lip Retractors
- FLEX-Retractor

eXact® Clear Orthodontic Adhesive

eXact Clear Orthodontic Adhesive is a medium-high viscosity light cure adhesive. This innovative adhesive system can be used for metal, plastic, or ceramic attachments and cures completely clear – making it an exceptional system for aesthetic brackets. eXact Clear Orthodontic Adhesive prevents bracket drift, produces little flash and is extremely easy to clean up. A choice of tips is included in the kit for precise placement.



eXact Clear Light Cure Kit 151-270

Kit Contains:

- Light Cure Syringes, 6 g (.212 oz.), 3
- Replacement Tips
- TPO Blue Etchant Gel in Syringe, 5 cc
- Light Cure Sealant, 6 cc
- Disposable Brushes, 50
- Foam Pellets, 100
- Spatula, 1
- Work Pad, 50 sheets

Replacement Materials

- 151-271** Paste in Syringe, 6 g (.212 oz.)
- 150-713** TPO Blue Etchant Gel in Syringe, 5 cc
- 151-272** Light Cure Sealant, 6 cc
- 150-704** Disposable Brushes, 50
- 150-705** Foam Pellets, 150
- 150-904** White Spatulas, 50
- 150-903** Work Pad, 50 sheets
- 100-620** Adhesive Mixing and Orientation Trays, 25

Single Syringe Package

- 151-273** Paste in Syringe, 2 g (.0705 oz.)

Turbo Bond® II Light Cure Bonding Adhesive Medium to Low Viscosity

Turbo Bond II is a medium to low viscosity light cure bonding system that is excellent for bonding ceramic, metal or plastic attachments.



Turbo Bond II Light Cure Kit 151-100

Kit Contains:

- Light Cure Syringes, 12 g (.423 oz.), 3
- TPO Blue Etchant Gel in Syringe, 5 cc
- Sealant Resin, 6 cc
- Disposable Brushes, 50
- Foam Pellets, 100
- Spatula, 1
- Work Pad, 50 sheets

Replacement Materials

- 151-105** Paste in Syringe, 4 g (.141 oz.)
- 150-713** TPO Blue Etchant Gel in Syringe, 5cc
- 151-272** Light Cure Sealant, 6 cc
- 150-704** Disposable Brushes, 50
- 150-705** Foam Pellets, 150
- 150-904** White Spatulas, 50
- 150-903** Work Pad, 50 sheets
- 100-620** Adhesive Mixing and Orientation Trays, 25

Right-On®

Self Cure Bonding Adhesive

Right-On is a no-mix, self curing adhesive that provides superior bond strength and drift-proof bracket placement. Can be used to bond metal, ceramic or plastic brackets to either conditioned enamel or acrylic crowns. Bond is strong enough to meet all orthodontic force requirements, yet attachments and adhesive residue can be easily removed.

Right-On remains stable without refrigeration and will not lose adhesive performance over time.



Right-On Kits

- 150-400** Preloaded Plunger-Type Syringe Kit, 4 g (.141 oz.), 1
- 150-500** Preloaded Plunger-Type Syringe Kit, 8 g (.282 oz.), 2
- 151-210** Preloaded Plunger-Type Syringe Kit, 12 g (.423 oz.), 3
- 150-600** Preloaded Plunger-Type Syringe Kit, 16 g (.564 oz.), 4

Replacement Materials

- 100-620** Adhesive Mixing and Orientation Trays, 25
- 150-501** Adhesive in Preloaded Syringe, 4 g (.141 oz.)
- 150-701** Activator, 15 mL
- 150-704** Disposable Brushes, 50
- 150-705** Foam Pellets, 150
- 150-707** Blue Plastic Applicators, 50
- 150-904** White Spatulas, 50
- 150-715** Enamel Conditioner Solution, 9 g (.317 oz.)
- 150-903** Work Pad, 50 sheets

CrossLink® Light Cure Band Cement

Single Patient Caplets

CrossLink light cure band cement is available in no-mix, no-mess, single-use dispensing caplets. Disposable squeeze caplet has an angled, tapered stem for excellent control when dispensing paste. Simply cut the caplet tip and dispense cement into bands. For faster dispensing, the tip can be cut shorter to produce a larger diameter opening.

Fluoride ion releasing paste does not require sealant, and there is no rush to beat setting time. Complete cure is accomplished in 30 seconds. CrossLink provides excellent band retention.

Cement is available in a natural or blue color. Blue helps clinicians to see cement when cleaning excess flash after cementing bands.



Natural Color Cement

151-287 Large Patient Caplets, 12 caplets, 1.8 g (.063 oz.) each
Enough for four molar bands

151-283 Small Patient Caplets, 30 caplets, .4 g (.014 oz.) each
Enough for one molar band

Blue Color Cement

151-288 Large Patient Caplets, 12 caplets, 1.8 g (.063 oz.) each
Enough for four molar bands

151-284 Small Patient Caplets, 30 caplets, .4 g (.014 oz.) each
Enough for one molar band

Preloaded Syringes

Light activated CrossLink light cure adhesive is a composite no-mix, no-mess cement, with fluoride ion release, conveniently preloaded in syringes.

No sealant is needed, and there is no rush to beat a setting time. Complete cure is accomplished in 30 seconds.

Cement is available in natural or blue color for simplifying excess flash removal.

151-280 CrossLink Kit – Natural, 24 g (.847 oz.) paste

151-285 CrossLink Kit – Blue, 24 g (.847 oz.) paste



Replacement Materials

151-281 Natural Paste in Syringe, 4 g (.141 oz.)

151-286 Blue Paste in Syringe, 4 g (.141 oz.)

150-904 White Spatulas, 50

CrossLink[®] Cement Intensifier

Cement intensifier is intended for use with CrossLink light cure banding cement. When used in combination with CrossLink cement, the intensifier increases bond strength to metal band surfaces and is essentially moisture or saliva insensitive.

Apply cement intensifier on the inner band surface with a small bristle brush just prior to the application of CrossLink cement.

151-282 CrossLink Cement Intensifier



Enamel Conditioner Solution

Can be used with any bonding system.

Enamel conditioner solution contains a plaque disclosing agent that will retain its green color on the teeth after rinsing if plaque is still present. If this occurs, patient should be re-pumiced and re-conditioned.

150-020 Enamel Conditioner Solution, 9 g (.317 oz.)
Phosphoric acid content 37%



Enamel Conditioner Gel

Can be used with any bonding system.

Enamel conditioner gel is thicker than enamel conditioner solution and will not accidentally overflow onto gingival tissue when conditioning enamel. Orange color is readily seen during application. Easily removed by evacuation and/or rinsing with water.

150-015 Enamel Conditioner Gel, 20 g (.705 oz.)
Phosphoric acid content 37%



TPO[®] Blue Etchant Gel

Can be used with any bonding system.

TPO Blue Etchant Gel is pre-loaded in a syringe. Curved tip simplifies application on high cuspids, bicuspid and molars. Disposable tips are easy to use, save time and eliminate the possibility of cross-contamination or infection.

TPO Blue Etchant Gel effectively etches enamel in 30 seconds.

Phosphoric acid content 37%.

150-712 TPO Blue Etchant Gel in Syringes with Tips
Package of 5 syringes with 50 disposable tips

150-713 TPO Blue Etchant Gel in Syringe with Tips
Package of 1 syringe with 10 disposable tips

150-714 Disposable Dispensing Tips
Package of 25



Porcelain Primer

This easy-to-use primer prepares the surface of glazed dental porcelain for bonding of orthodontic attachments. The silane coupling agent in the primer chemically unites to the bonding adhesive and the silicon in porcelain.

150-810 Porcelain Primer, 16 cc



Adhesive Mixing and Orientation Tray

Organizes bondable brackets and tubes for an individual patient. Adequate area available to mix bonding adhesive. Small integrated cups hold conditioner or paste components.

100-620 Adhesive Mixing and Orientation Tray
Package of 25



Tongue-Away® Shields

Restricts the tongue to prevent moisture contamination and alleviates patient fatigue by offering occlusal support. Vertical shield is offset to provide adequate tongue space. Surfaces of bite blocks are angulated and serrated for retention. Holes facilitate placement and removal with a bird-beak plier, permit attachment of a safety string or allow insertion of a saliva ejector.

Clear Plastic Tongue-Away Shields

100-398 Tongue-Away Kit
4 shields, one of each size

100-395 Small
100-396 Medium
100-397 Large
100-496 Super
Package of 3



Phthalate-Free

Colored Plastic Tongue-Away Shields

100-390 Blue
100-391 Green
100-392 Red
100-393 Blue, Green, Red
Package of 3, medium size only



Phthalate-Free

Disposable Tongue-Away Shields

100-494 Polystyrene
Package of 10, medium size only



Lingual Tongue-Away® Shield

Lingual Bonding Procedures

Two bite blocks alleviate patient fatigue. Vertical shield prevents the tongue from touching lingual surfaces of teeth during lingual bonding procedures.

Holes facilitate grasping with a bird-beak plier for placement and removal and permit attachment of a “safety string” if desired. Molded from translucent plastic.

100-497 Lingual Tongue-Away Shield
Package of 3



Lip Retractors

Provide excellent view of the full arch for intraoral photography or when etching, direct bonding or banding. Holes assist patients to firmly hold retractors. Made from cold sterilizable plastic.

100-499 Adult Size Retractors Only

100-498 Child Size Retractors Only
One Pair



FLEX-Retractor

One-piece design is made from clear, easy-to-maintain shatterproof plastic. FLEX-Retractors fit most patients and are easy to insert and manipulate.

FLEX-Retractors are both durable and comfortable. They provide an excellent view of the full arch for direct bonding procedures or intraoral photography.

100-517 FLEX-Retractor
Package of 3



8

CLASS II CORRECTION



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CLASS II CORRECTION

Jasper Vektor® Appliance

Flip-Lock® HERBST® Appliance

Jasper Vektor® Appliance

The Jasper Vektor Class II Correction Appliance is a fixed intraoral device that achieves class II correction easily and efficiently with low forces. The patented design of the appliance introduces gentle intrusive vector forces – unlike other class II correctors that place extrusive vector forces on the anterior teeth.

The appliance produces gentle sweeping forces, and the mandible is free to move laterally resulting in patient comfort. The appliance is easy to install, clears the “food zone” and is compliance-independent.



Patented

Kits	Order No.
Class II Corrector Multi-Kit	610-500
Kits consists of 1 pair size 27, 2 pairs size 30, 2 pairs size 33, 1 pair size 36, 1 archwire installation tool, 20 archwire locks	
Class II Corrector Kit—size 27	610-527
Class II Corrector Kit—size 30	610-530
Class II Corrector Kit—size 33	610-533
Class II Corrector Kit—size 36	610-536
Single Kit includes Left / Right Component plus 4 Archwire Locks	



Multi-Kit

Component Part	Order No.
27mm Left	610-527L
27mm Right	610-527R
30mm Left	610-530L
30mm Right	610-530R
33mm Left	610-533L
33mm Right	610-533R
36mm Left	610-536L
36mm Right	610-536R
Package of 5	
Archwire Locks	610-502
Package of 10	



Left / Right Component



Archwire Lock



Archwire Lock Installation Tool

Tool	Order No.
Archwire Lock Installation Tool	610-501
Each	

CLASS II CORRECTION

Flip-Lock® HERBST® Appliance

The Flip-Lock HERBST from TP Orthodontics is quickly and easily activated using the patented “Flip-Lock” mechanism. There are no pins or screws. Activation is simple — just place crimpable spacers at regular intervals onto the exposed piston.

The Flip-Lock HERBST is available with and without a cantilever arm. Optional archwire slots allow the appliance to be placed in conjunction with brackets.

Single Patient and Inventory Kits	Order No.
Single Patient Appliance Kit	610-400
2 pistons, 2 tubes, 4 ball hinges on small pad without slot	
Single Patient Appliance Kit	610-410
2 pistons, 2 tubes, 4 ball hinges on large pad with slot	
Single Patient Appliance Kit	610-430
2 pistons, 2 tubes, 4 ball hinges on large pad without slot	
Single Patient Appliance Kit	610-420
2 tubes, 2 pistons, 2 posterior ball hinges, 2 cantilever/ball hinges without slot	
Single Patient Appliance Kit	610-424
2 tubes, 2 pistons, 2 posterior ball hinges, 2 cantilever/ball hinges with slot	
Inventory Kit	610-409
30 pistons, 30 tubes, 60 ball hinges, 95 spacers	

Component Part	Order No.
Pistons	610-403
Tubes	610-404
(5 left, 5 right)	
Ball Hinge with small pad without slot	610-405
Posterior Ball Hinge without slot and large welding pad	610-422
Posterior Ball Hinge with slot and large welding pad	610-423
Cantilever/Anterior Ball Assembly without slot (5 left, 5 right)	610-421
One-piece Cantilever/Anterior Ball Assembly with slot (5 left, 5 right)	610-425

Package of 10

Crimpable Spacers	Order No.
1mm	610-401
2mm	610-402
3mm	610-406
4mm	610-407
5mm	610-408

Package of 10



610-403



610-404



610-421



610-425



610-405



610-422



610-423



1mm 2mm 3mm 4mm 5mm

Flip-Lock® HERBST® Appliance

Activates in Seconds – Just Four Easy Steps

The Flip-Lock HERBST is designed for ease of use. There's no need for special tools or complicated adjustments. Simply follow the steps listed below.

After cementation of the appliance, prepare tube and piston assembly for proper length. Tubes should be cut long enough to position the mandible in a Class I position. The pistons should extend no more than 2-3mm beyond the distal end of the tubes at full closure. It is imperative that the pistons aren't so short that they separate from the tubes upon maximum opening (i.e., when the patient yawns).



Slide a piston into a tube and hold in the correct orientation as shown, with the tube socket up. The tube socket can only be engaged on the maxillary distal ball hinge from one direction—the mesial. Slide the tube socket from mesial to distal end onto the maxillary ball hinge.



The tube is not locked onto the maxillary ball hinge until the tube is laid parallel to buccal tooth surfaces. Before attaching the piston on the mandibular ball hinge, make sure the piston sockets also have a correct orientation. A small circle on the socket represents the labial surface. This circle should go toward the cheek, not toward the teeth.



Slide the socket mesially over the mandibular ball hinge. The assembly will snap into place.

Although not routinely necessary, you may gently crimp the pistonsocket onto the mandibular hinge (as shown) to provide additional security.



Activate the Flip-Lock HERBST periodically (usually at 6 to 8 week intervals) by adding TPO crimpable 1mm or 2mm spacers onto the exposed piston. Using crimpable spacers eliminates the need to remove the tubes and pistons.

The mandible is initially advanced approximately 6-8mm, and then incrementally advanced until the desired occlusion is achieved. Average treatment time is 12 months.

Notes:

[illegible]

Visit us online at **tportho.com**

9

PRE-FINISHER® APPLIANCE AND BONDABLE LINGUAL RETAINERS



TP Orthodontics, Inc.

tportho.com

cosmeticbraces.com

PRE-FINISHER® APPLIANCE AND BONDABLE LINGUAL RETAINERS

Pre-Finisher® Appliance

- Kits
- Individual Appliances
- Disposable Ruler
- Asian

Bondable Lingual Retainers

- Upper Central to Central
- Lower Bicuspid to Bicuspid
- Lower Combination Cuspid-Bicuspid
- Lower Cuspid to Cuspid
- Lower Lateral to Lateral
- Disposable Ruler
- Labial Trauma Splint
- Perio Bond-A-Bar
- Bond-A-Splint®
- Baurmash Arch Bar

Did you know?

Aligner treatment outcomes can be greatly improved by the use of a finishing appliance. The Pre-Finisher Preformed Finishing Appliance is a simple cost-saving solution for refinement and closing of the open posterior bite commonly found with aligner patients. Unlike aligner trays, finishing appliances correct and relate teeth in both arches simultaneously — thereby reducing the need for additional trays.

Pre-Finisher® Appliance

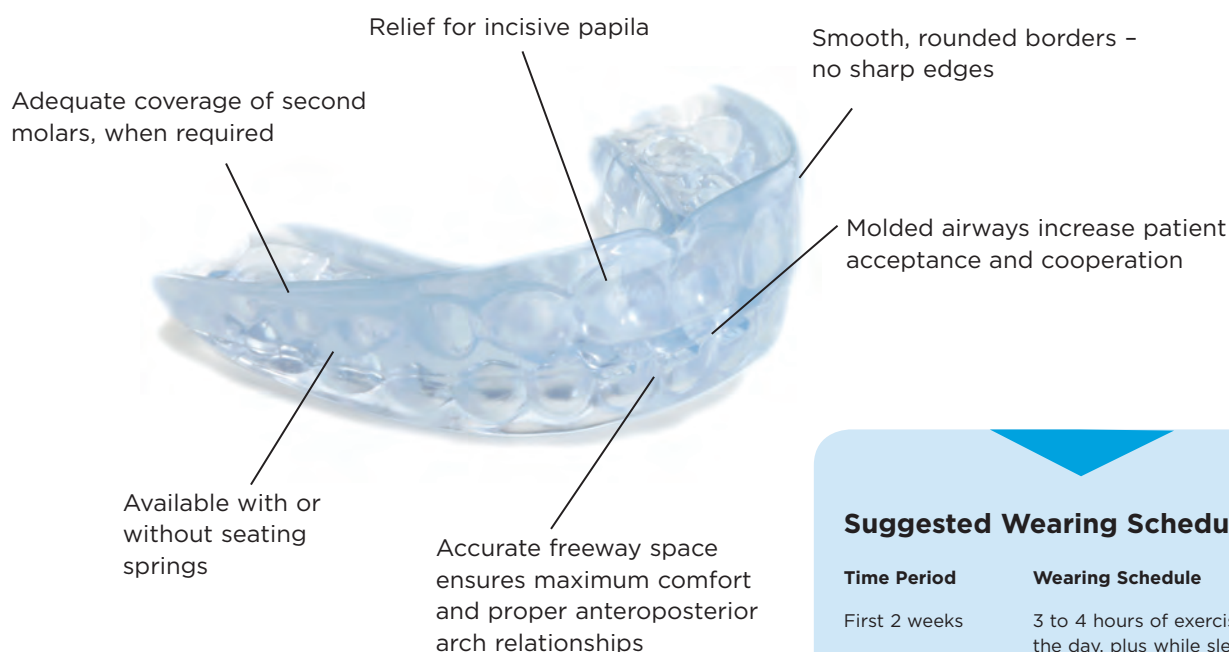
Clinically Proven for Over 30 Years

Let the Pre-Finisher appliance do the work of detailed finishing. Patients look forward to getting fixed appliances removed earlier, and you'll appreciate the final results without doing the demanding, intricate work.

Near the end of treatment, remove fixed appliances, measure and select a Pre-Finisher appliance from your in-office inventory kit — no impressions required. Enjoy these benefits with less work:

- Immediate delivery to the patient
- Corrects and relates teeth in both arches simultaneously
- Aligns, rotates and closes spaces
- Sized in one-millimeter increments for precise fitting
- Results in 2-3 weeks
- Economical; only one appliance needed

Exclusive features not available in any other pre-formed finishing appliance:



Size, in millimeters (last two digits of part number) molded into each appliance.

Suggested Wearing Schedule

Time Period	Wearing Schedule
First 2 weeks	3 to 4 hours of exercise during the day, plus while sleeping
Next 4 weeks	2 to 3 hours of exercise during the day, plus while sleeping
Next 6 weeks	2 hours of exercise during the day, plus while sleeping
Next 2 to 3 months	1 hour of exercise during the day, plus while sleeping
After 6 months	Can be worn while sleeping to act as a retainer

Instructions for Pre-Finisher Size Selection

First, choose the appropriate appliance type from the following series: non-extraction, four-bicuspid extraction, two upper bicuspid extraction or Asian four-bicuspid extraction. Use one of the Pre-Finisher rulers to measure for the correct size. The ruler may be used on the patient's right or left side, according to operator preference.

A reading may be obtained one of two ways:

1. For quick, easy measurement in the mouth, use the condensed scale in the center of the ruler. Place the point distal to either the right or left upper cuspid. Curve the ruler along the incisal edges. Reading at midline indicates total mesiodistal width of upper anterior teeth. Note: Each mark on the condensed scale equals two millimeters.
2. For more accurate measurement in the mouth, or when measuring a model, use the full-length scale at the end of the ruler. Place the point distal to the upper right or left cuspid. Bend the ruler along the incisal edges. Take reading distally to the opposite cuspid. Once you have measured, select an appliance with a part number ending in two digits that match the millimeter measurement. If there are band spaces, select a Pre-Finisher one size (1mm) smaller.
3. Fit the Pre-Finisher appliance onto the upper teeth and have the patient close firmly into the appliance. The cuspids should be tightly in contact with the distal surfaces of their respective sockets. You will find a disposable ruler enclosed for every Pre-Finisher appliance in this kit. The millimeter ruler is designed to help you determine proper Pre-Finisher appliance size by measuring either six or three anterior teeth.

Pre-Finisher® Appliances Kits

An immediate, balanced supply of Pre-Finisher appliances. Kits include a detailed instruction booklet for the orthodontist, special millimeter ruler to facilitate size selection, a supply of patient instruction booklets and a convenient reorder form.

Convincer Kits

(10 Assorted Sizes)	Plain	With Seating Springs
Non-Extraction	190-010	190-110
Four Bicuspid Extraction	190-410	190-510
Two Upper Bicuspid Extraction	190-210	190-310



Before

Standard Kits

(15 Assorted Sizes)	Plain	With Seating Springs
Non-Extraction	190-015	190-115
Four Bicuspid Extraction	190-415	190-515
Two Upper Bicuspid Extraction	190-215	190-315



After

Thrift Kits

(20 Assorted Sizes)	Plain	With Seating Springs
Non-Extraction	190-020	190-120
Four Bicuspid Extraction	190-420	190-520
Two Upper Bicuspid Extraction	190-220	190-320

Pre-Finisher Appliances

Individual

Last two digits of order number indicate size of Pre-Finisher in millimeters.

Non-Extraction Series

Can also be used on first molar extraction cases.

Plain			With Seating Springs		
190-040	190-047	190-054	190-140	190-147	190-154
190-041	190-048	190-055	190-141	190-148	190-155
190-042	190-049	190-056	190-142	190-149	190-156
190-043	190-050	190-057	190-143	190-150	190-157
190-044	190-051	190-058	190-144	190-151	190-158
190-045	190-052		190-145	190-152	
190-046	190-053		190-146	190-153	

Nineteen sizes (40mm to 58mm).

Four Bicuspid Extraction Series

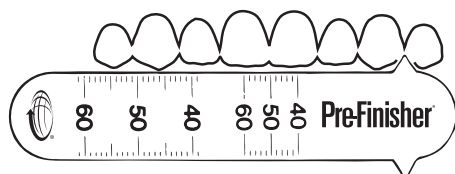
Plain			With Seating Springs		
190-444	190-450	190-456	190-544	190-550	190-556
190-445	190-451	190-457	190-545	190-551	190-557
190-446	190-452	190-458	190-546	190-552	190-558
190-447	190-453	190-459	190-547	190-553	190-559
190-448	190-454	190-460	190-548	190-554	190-560
190-449	190-455		190-549	190-555	

Seventeen sizes (44mm to 60mm).

Two Upper Bicuspid Extraction Series

Plain			With Seating Springs		
190-244	190-249	190-254	190-344	190-349	190-354
190-245	190-250	190-255	190-345	190-350	190-355
190-246	190-251	190-256	190-346	190-351	190-356
190-247	190-252		190-347	190-352	
190-248	190-253		190-348	190-353	

Thirteen sizes (44mm to 56mm).



Pre-Finisher Ruler

Single use. Disposable.

100-102 Pre-Finisher Ruler
Package of 5

Pre-Finisher Appliances

Asian

Non-Extraction

All Pre-Finishers are made with materials that are phthalate- and BPA-free. The Asian Non-Extraction appliance also has the following enhanced features and benefits.

- Increased Incisal Mamelon Ridge Definition — allows the fit to accommodate pronounced mamelon ridges.
- Decreased Clinical Crown Length — increase patient compliance due to comfort for patients with shorter clinical crown lengths. The gingiva is undisturbed allowing prolonged activation without irritation.
- Increased Airway Flow — redesign of the airway between the incisal edges to increase allowable airflow for patient comfort and extended wear time.

Asian Non-Extraction Series

Plain	
190-848	190-853
190-849	190-854
190-850	190-855
190-851	
190-852	

Eight sizes (48mm to 55mm).

Extraction

This series of four bicuspid extraction Pre-Finisher appliances has been designed to accommodate the unique dental characteristics of individuals with Asian dentitions. The sockets for the upper and lower anterior teeth have been broadened labiolingually to accommodate prominent marginal ridges and increased gingival crown thickness.

Asian Four Bicuspid Extraction Series

Plain		
190-644	190-649	190-654
190-645	190-650	190-655
190-646	190-651	190-656
190-647	190-652	190-657
190-648	190-653	

Fourteen sizes (44mm to 57mm).

Preformed Bondable Lingual Retainers

Bondable lingual retainers from TP Orthodontics can be fit directly to the teeth or indirectly on a model. Wires are soldered to laminated mesh pads for maximum strength and comfort. Pads are precontoured and shaped to conform to lingual tooth surfaces. All retainer pads are specially coated with PrimeKote® for improved bond strength and easier clean-up. Accu-Fit retainers are specially annealed so they adapt more easily to lingual arch form and are slightly flexible during mastication.

Custom bondable lingual retainers and splints can be found in the [TPO Services Catalog](#).

Upper Central to Central

- Ideal for holding diastemas closed
- Precision stamped in one piece from 0.43mm (.017") laminated mesh
- Low profile reduces possibility of mandibular incisor interference
- Thin crosspiece is easily adjusted and slightly flexible



224-200F Small, 10mm (.394")

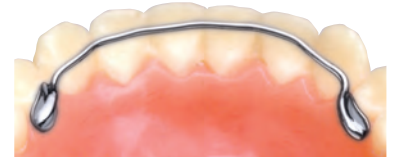
224-210F Medium, 11.5mm (.453")

224-220F Large, 13mm (.512")

Package of 2

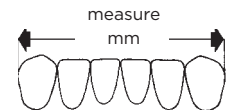
Lower Bicuspid to Bicuspid Original Medium Temper

Eight sizes graduated in two millimeter increments. Heavy 0.81mm (.032") diameter Dentalloy® wire for increased strength and stability. Laminated mesh bases conform to lingual contours of bicuspid teeth and are graduated in length according to arch size.



Size	Order No.	Size	Order No.
30	224-430	40	224-440
32	224-432	42	224-442
34	224-434	44	224-444
36	224-436		
38	224-438	Kit*	224-460

*Kit contains twenty retainers; three each of sizes 32, 34, 36 and 38, two of all other sizes, plus a millimeter ruler.
Individual sizes: Package of 2



Size is determined by millimeter measurement between distal surfaces of canines. Measure along incisolingual edges.

Lower Combination Cuspid-Bicuspid Original Medium Temper

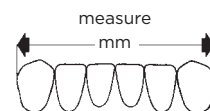
Twisted wires are soldered and welded to cuspid pads and extend into the mesial fossa of bicuspids to hold extraction sites closed, prevent bicuspid rotation and provide additional bonding areas for improved retention. Offsets accommodate mesial marginal ridges of cuspids for proper contact with the lingual surface of lateral incisors.

- Available in ten sizes, graduated in one millimeter increments
- Formed from 0.76mm (.030") diameter Dentalloy® wire

Size	Order No.	Size	Order No.
30	224-330	36	224-336
31	224-331	37	224-337
32	224-332	38	224-338
33	224-333	39	224-339
34	224-334		
35	224-335	Kit*	224-350

*Kit contains twenty retainers; two of each size, plus a millimeter ruler.

Individual sizes: Package of 2



Size is determined by millimeter measurement between distal surfaces of canines. Measure along incisolingual edges.

Lower Cuspid to Cuspid

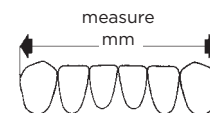
Permits proper contact with lingual surface of lateral incisors. Wire rests just above cingulum of lower incisors to minimize possibility of relapse.

- Ten sizes graduated in one millimeter increments
- Formed from 0.76mm (.030") diameter Dentalloy® wire
- Offsets in wire accommodate mesial marginal ridges of cuspids

Size	Accu-Fit soft temper	Original medium temper	Size	Accu-Fit soft temper	Original medium temper
30	224-130	224-030	36	224-136	224-036
31	224-131	224-031	37	224-137	224-037
32	224-132	224-032	38	224-138	224-038
33	224-133	224-033	39	224-139	224-039
34	224-134	224-034			
35	224-135	224-035	Kit*	224-150	224-050

*Kit contains twenty retainers; two of each size, plus a millimeter ruler.

Individual sizes: Package of 2

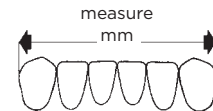


Size is determined by millimeter measurement between distal surfaces of canines. Measure along incisolingual edges.

Lower Lateral to Lateral

Wire ends are flattened, then welded and soldered to contoured laminated mesh bonding bases for reduced profile and maximum strength.

- Retains lower incisors while allowing cuspids to seek level position
- Offsets in 0.66mm (.026") wire accommodate mesial marginal ridges of laterals
- Six sizes in 1mm increments



Size is determined by millimeter measurement between distal surfaces of canines. Measure along incisolingual edges.

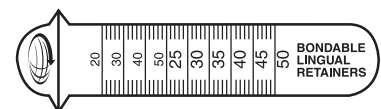
Size	Accu-Fit soft temper	Original medium temper	Size	Accu-Fit soft temper	Original medium temper
18	224-118	224-318	22	224-122	224-322
19	224-119	224-319	23	224-123	224-323
20	224-120	224-320			
21	224-121	224-321	Kit*	224-125	224-300

*Kit contains fifteen retainers: three each of sizes 20, 21 and 22, two of all other sizes, plus a millimeter ruler.
Individual sizes: Package of 2

Disposable Rulers for Bondable Retainers

Used to determine proper appliance size. See individual product pages for measurement guidelines.

- 100-103** Disposable Ruler for Bicuspid-Bicuspid, Combination and Cuspid-Cuspid Bondable Lingual Retainers
- 100-104** Disposable Ruler for Lateral-Lateral Bondable Lingual Retainers
Package of 20

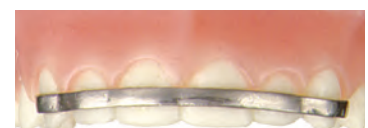


Labial Trauma Splint

Readily bonded to labial surfaces when incisors have been traumatized due to auto accident or impact. Easily shaped and bonded with minimum instrumentation for effective stabilization.

- Made from flat 0.43mm (.017") stainless steel
- Smooth labial surface
- Laminated mesh bonding surface

224-225 Trauma Splint, 62mm (2.44")
Package of 2



Perio Bond-A-Bar

Stabilizes incisors that show increased mobility due to loss of alveolar bone. Easily cut and shaped to fit irregular teeth or asymmetrical arches.

- Preformed strips of 0.43mm (.017") laminated mesh, stainless steel with smooth lingual surface

224-226 Lower, 40mm (1.575")
224-227 Upper 3-to-3, 52mm (2.047")
224-228 Upper 4-to-4, 62mm (2.441")
 Package of 2



Lingual Bond-A-Splint® Retainers

"Invisible" splints extend from cuspid to cuspid or can be shortened to retain any combination of adjacent teeth between cuspids.

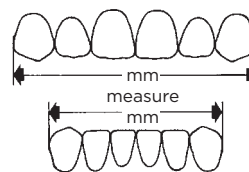
- Precision made from 0.43mm (.017") one-piece stainless steel strips with laminated mesh pads
- Precontoured to simplify direct application on patients' teeth



Lower Size	Order No.	Upper Size	Order No.
29	224-529F	38	224-538F
31	224-531F	40	224-540F
33	224-533F	42	224-542F
35	224-535F	45	224-545F
37	224-537F	47	224-547F

Package of 2

Package of 2



Size selection is determined by millimeter measurement between distal surfaces of cuspids. Measure midway along lingual surface of teeth.

224-560F Bond-A-Splint Kit contains 10 splints, one of each size, plus a millimeter ruler in a convenient dispenser

Baurmash Bondable Arch Bar

- Easily bonded to labial enamel surfaces for management of maxillomandibular injuries or post-orthognathic surgery
- Hooks offer an improved method of ligation, eliminate wire puncture and reduce the risk of infection
- Cut and shaped for sectional placement on four to six teeth to permit accurate contouring and adaptation
- Small hooks allow flexibility of elastic placement
- Formed from .061mm (.024") stainless steel in 14.92cm (5.875") lengths with laminated mesh lingual bonding surfaces

224-224 Baurmash Bondable Arch Bar
 Package of 3



Patented



10 INSTRUMENTS



INSTRUMENTS

Chairside

- Straight Shooter® Ligature Gun
- M-D Reducer
- Divider
- Dontrix Gauge
- Bonding Forceps
- Bracket Placing Forceps
- Debonding Burs
- Bite Stick
- Band Pusher
- Molar Cap Remover
- Expansion Swivel Key

Pliers

- Power Crimping
- Crimpable Hook Placement
- Light Wire without Grooves
- Light Wire with Three Grooves
- Safety Distal End Cutter
- Standard Ligature Cutter
- Posterior Band Removing
- Weingart
- Arch Contouring—Smooth
- Sep-A-Rings® Placement

Instruments

- Mosquito Hemostat
- Mathieu Style Tying and Elastomeric
- Click-It Forceps

Laboratory Tools

- Wax Spatula
- Cement Spatulas
- Plaster Spatula
- Plaster Knife

Instrument Shield

Straight Shooter® Ligature Gun

The Straight Shooter ligature gun provides a safe, convenient, hygienic means of applying elastomeric ligatures to edgewise brackets. Eliminates soft tissue damage that can be caused by hemostats or other instruments or by broken or slipped ligatures.

Two sizes are available. The mini bracket shooter is for mini and single-wing brackets and the twin bracket shooter is for standard, twin-size brackets.

High performance, thermoplastic material is very strong and can withstand autoclaving and heat sterilization.



Straight Shooter Ligature Guns

100-357 Twin Bracket Straight Shooter

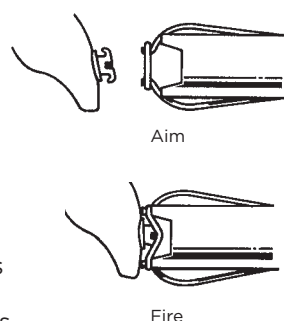
100-359 Mini Bracket Straight Shooter

Replacement Materials

100-363 Mini Bracket Plunger Kit – plunger and 4 wire fingers

100-364 Straight Shooter Assembly / Disassembly Tool

100-365 Twin Bracket Plunger Kit – plunger and 4 wire fingers



M-D Reducer

Removes interproximal tooth mass from flat or curved surfaces. May be used to produce additional intra-arch space, open points, recontour restorations or remove overhanging fillings. Available with frame and stainless steel cutter blades with a diamond coating.

100-701 M-D Reducer Kit – Contains 1 anterior frame, 5 fine and 5 coarse blades – double-sided only

Replacement Materials

100-700 Frame

100-703 Fine Blades – double-sided, 10

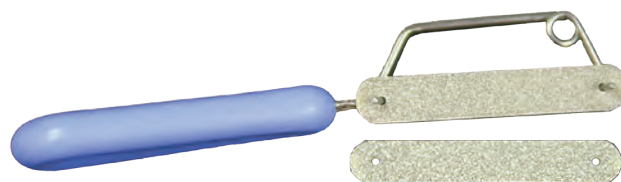
100-704 Coarse Blades – double-sided, 10

100-705 Fine Blades – single-sided, 10

100-706 Coarse Blades – single-sided, 10

100-707 Fine Blades, Wide – single-sided, 10

100-708 Coarse Blades, Wide – single-sided, 10



Divider

Measures 14.4 cm (5.5"), has a friction hinge and fixed needle points. Matte nickel finish resists stains and tarnishing.

100-331 Divider



Dontrix Orthodontic Stress and Tension Gauge

Precisely determines the exact force and/or pressure of elastics, springs and wires. Slip fork over archwire to determine the force of a coil spring. Notch may be used to push archwire or finger spring to its seated position. Use hooked end to draw elastic to its working position.

100-675 Dontrix Gauge, 112 g (4 oz.)

100-676 Dontrix Gauge, 448 g (16 oz.)



Bonding Forceps

Self-locking forceps with thin tips grasp brackets securely. Handle tip for minor bracket adjustment. Forceps have the Never-Mar finish.

100-157 Bonding Forceps



Bracket Placing Forceps

Slim, curved tips permit excellent field of vision and simplify placement of steel ligatures and elastomers.

100-136 Bracket Placing Forceps



Debonding Burs

Tapered dome carbide burs with 1.2mm (.047") diameter remove excess adhesive after debonding. Friction grip and latch lock shanks are compatible with contra-angle handpieces. The 100-119 bur is used with a straight handpiece.

- 100-119** Straight Handpiece Debonding Bur
- 100-121** Contra-Angle Handpiece, Friction Grip Bur
- 100-122** Contra-Angle Handpiece, Latch Lock Bur
Package of 1



Heat Resistant Bite Stick

Bite stick withstands temperatures to 210°C (410°F), making it autoclavable or safe for rapid cycle dry heat units. Not recommended for use with cassettes.

- 100-460** Heat Resistant Bite Stick



Band Pusher

Hollow handle, light and sturdy. Serrated tip on four sides for accurate and slip-resistant positioning while banding.

- 100-179** Band Pusher
Package of 1



Molar Cap Remover

10 cm (4") aluminum handle with replaceable blades removes caps from convertible molar tubes. Blade tips fit securely in archwire slot and provides leverage to simplify cap removal.

100-207 Handle Only
Package of 1

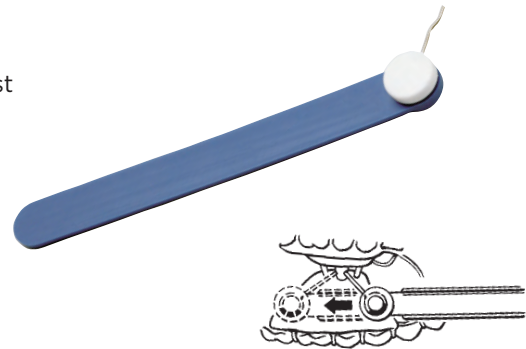
100-208 Blades Only
Package of 6



Expansion Swivel Key

Expansion swivel key is a safe and easy tool for patients to adjust their fixed rapid palatal expansion appliances. Plastic handle measures 11.4 cm (4.5").

100-209 Expansion Swivel Key
Package of 3



Patented

Never-Mar Instruments

Never-Mar instruments have a unique brushed finish that provides a surface to keep instruments looking new longer and eliminates glare. Never-Mar protects against fingerprints and minor scratches and is available at no additional charge. The catalog indicates which instruments are made with the Never-Mar finish.

Power Crimping Pliers

Power crimping pliers are an improved version of our original crimpable hook pliers. This new plier features ergonomic handles that are wider and longer, enabling the orthodontist to exert up to twice as much force when placing TPO crimpable hooks and ribbed crimpable hooks onto archwires. Pliers have the Never-Mar finish.

100-192 Power Crimping Pliers



Crimpable Hook Placement Pliers

Crimpable hook pliers feature a V-notch in the beak that greatly assists holding and compressing our small crimpable hooks. Pliers have the Never-Mar finish.

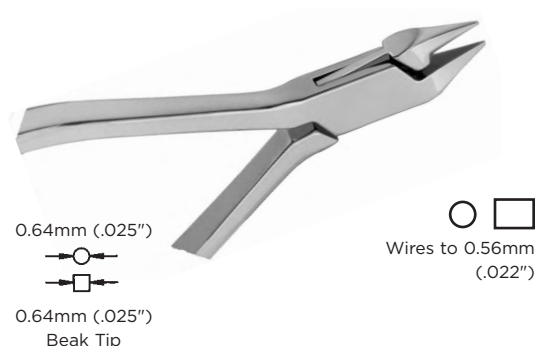
100-172 Crimpable Hook Placement Pliers



Light Wire Pliers without Grooves

Smooth-tipped pliers bend archwires from 0.30mm (.012") to 0.56mm (.022"). Flat "anvil" area ahead of box joint hinge permits wire straightening and increases grip on wire. Pliers have Never-Mar finish.

100-130P Light Wire Pliers without Grooves



Light Wire Pliers with Three Grooves

The Light Wire Pliers with Three Grooves feature three grooves at the tip with a loop closing groove at the base of the beak. Bends round, square and rectangular wires up to 0.020".

100-125 Light Wire Pliers with Three Grooves



Safety Distal End Cutter Pliers

Designed to shear cut archwires and securely hold distal end of wire. Pliers cut within 0.5mm (.0197") of buccal tube. Pliers have the Never-Mar finish.

100-138P Safety Distal End Cutter Pliers



Standard Ligature Cutter Pliers

Sharp edges are effective for all soft wires, pins and elastics up to 0.41mm (.016"). Pliers have the Never-Mar finish.

100-140P Standard Ligature Cutter Pliers



Posterior Band Removing Pliers

Stainless steel with medium length jaw and inserted tip. Pliers have the Never-Mar finish.

100-141P Posterior Band Removing Pliers
100-161 Replacement Tip



Weingart Pliers

Most popular utility pliers with long-wearing tips. Pliers have the Never-Mar finish.

100-149P Weingart Pliers



Arch Contouring Pliers—Smooth

Designed for creating proper contour in anterior segment of archwire. Degree of curve can be varied by regulating position of wire in beaks. Pliers have the Never-Mar finish.

100-128 Arch Contouring Pliers—Smooth



Sep-A-Rings® Placing Pliers

Designed for placing TPO Sep-A-Rings, pliers limit excessive expansion which could cause rings to break. Rounded beaks protect patient and positively hold rings during placement. May be used with large or small Sep-A-Rings.

100-135 Sep-A-Rings Placing Pliers



Mosquito Hemostat Straight Tip

Straight 11.4 cm (4.5") thin tip is serrated to provide tight grip for ligating elastomeric ligatures. Click-lock handles.

100-132 Mosquito Hemostat



Mathieu Style Tying and Elastomeric Pliers

Stainless steel pliers with and without carbide inserted tips and self-locking handles.

100-146 Tying and Elastomeric Pliers with Tip Insert

100-185 Tying and Elastomeric Pliers without Tip Insert



Click-It® Forceps

The Click-It Forceps Assembly is designed exclusively for Click-It Self-Ligating Aesthetic Brackets and includes the frame, release tips and insertion tip.

The release tips are design to easily open/close the Click-It bracket. The insertion tips assist with wire engagement in difficult to reach posterior segments.

The Click-It Angled Forceps Assembly is designed primarily for the posterior brackets so the forceps can be most effective with the tips being oriented parallel to the labial surface of the tooth. They can also be used on anterior teeth, eliminating the need for two forceps, as long as the tips are being applied parallel to the labial surface of the tooth.

The angled forceps include a self-aligning stop feature to ensure the tips remain in the optimum position for bracket activation and to help prevent rapid tip wear.



100-198 Click-It Forceps Assembly
Each

100-098 Click-It Forceps Assembly, Angled, includes release tips
Each

100-199 Click-It Release Tips (5 Left, 5 Right)
Package of 10

100-200 Click-It Insertion Tips
Package of 5

100-099 Click-It Release Tips, Angled, 45° (5 Left, 5 Right)
Package of 10

Wax Spatula

Wax Spatula No. 7. stainless steel, overall length 15.8 cm (6.25").

100-320 Wax Spatula



Cement Spatulas

Thin, flexible, stainless steel blades.

100-342 Cement Spatula, 3.8 cm (1.5") Blade

100-343 Cement Spatula, 5.1 cm (2") Blade



Plaster Spatula

Perfectly shaped to fit contour of plaster bowls for ease in mixing. Stainless steel blade is 8.9 x 3.8 cm (3.5" x 1.5"). Plastic handle.

100-310 Plaster Spatula



Plaster Knife

Thin, sharp steel blade is 4.1 cm (1.625"), overall length 13.7 cm (5.375"). Wooden handle.

100-300 Plaster Knife



Instrument Shield

Use prior to heat sterilization to lubricate and protect instruments. Contains a special additive that dissolves organic debris build-up in plier box joints.

Helps extend life of instruments when used after every cleaning. Immerse clean instruments into solution for 30 to 45 seconds. Remove instruments and allow excess solution to drain. Instruments are then ready for sterilization.

100-878 Instrument Shield, 3.8 L (1 gallon)

100-879 Instrument Shield, .95 L (1 quart)



Notes:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Visit us online at **tportho.com**

11 OFFICE AND LABORATORY SUPPLIES



TP Orthodontics, Inc.
tportho.com
cosmeticbraces.com

OFFICE AND LABORATORY SUPPLIES

Impression Supplies

- Impression Trays
 - Extend-O®
 - Solay®
 - Norm-O®
- Dispatula
- Utility Wax Strips
- Mor-Tight
- Bite Wafers
- Dental Flexibole
- Flexible Plastic Model Base Former
- Plastic Model Base Former
- Rubber Model Base Former
- Orthodontic Plaster
- Algisolv Tray Cleaner
- Model Finishing Soap
- Model Carrying Case
- Model Storage Boxes

Bracket Inventory Boxes

Lab Supplies

- SAL® Retainer System
- Bluegrass Roller
- TP Original Lab Wire
- Acrylic Liquid Dispenser Bottle
- Hawley Labial Bow
- Modified Adams Clasp
- Ball-End Clasp
- Quick Form Retainer Squares
- Reflex® Double Coil Spring
- Acetate Tracing Paper
- Tracing Paper Sleeves

Office Supplies

- Brace Relief™ and Brace Gard™
- Free-N-Easy® Mouthguard
- Appliance Carrying Case

Educational Materials

- Acrylic Study Models
- Wax Typodonts
- Gorilla Model
- Tip-Edge PLUS® Guide, Sixth Edition
- Tip-Edge® Orthodontics, Second Edition
- Simplified Straight-Wire Technique
- TP Orthodontics Classic Educational Film Series

Extend-O® Orthodontic Impression Trays



Deeper impressions are easily obtained with Extend-O impression trays. Maxillary and mandibular flanges are extended to accurately follow the labial and buccal alveolar processes to the depth of the mucobuccal fold.

- Tray bodies can be easily adapted to fit unique arch forms of each patient
- Positive post-damming ridge
- Easily adjustable soft aluminum
- Circular, concave cast aluminum handle allows firm grip

	Teflon Coated	Bright Anodized		Color Anodized
Upper Sizes				
1	125-011	131-011	Tan	123-011
2	125-012	131-012	Magenta	123-012
3	125-013	131-013	Gold	123-013
4	125-014	131-014	Copper	123-014
5	125-015	131-015	Red	123-015
6	125-016	131-016	Blue	123-016
7	125-017	131-017	Green	123-017
8	125-018	131-018	Charcoal	123-018

Lower Sizes				
1	125-001	131-001	Tan	123-001
2	125-002	131-002	Magenta	123-002
3	125-003	131-003	Gold	123-003
4	125-004	131-004	Copper	123-004
5	125-005	131-005	Red	123-005
6	125-006	131-006	Blue	123-006
7	125-007	131-007	Green	123-007
8	125-008	131-008	Charcoal	123-008
Large Set	125-100	131-100		123-100
Mini-Set	125-800	131-800		123-800

Large set includes upper and lower sizes 2 through 8.
Mini-set includes upper and lower sizes 3, 4, 5 and 6.
Individual Sizes: Package of 1



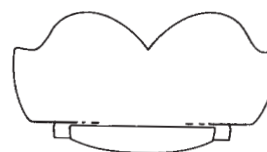
Teflon



Bright Anodized



Color Anodized



Extend-O Flange Height

Dispatula



Preserves life of trays when cleaning.

100-311 Dispatula
Package of 25

Solay® Disposable Impression Trays



Plastic, disposable impression trays save valuable time, are cost-effective and convenient to use. No need to sterilize or worry about scratching trays during cleanup.

- Inner etched tray surface for alginate retention
- No retention sprays necessary
- No retention slits or perforations to cause impression material leakage
- Two small round holes allow a minor amount of alginate through to monitor setting time
- Extended flanges for deeper impressions
- Rounded tray borders eliminate the need for protective wax strips
- Can be used more than once; store trays with patient records for progress models and retainer impressions
- Size molded onto tray handle. Each size is a different color.



Patented

Size	Upper/Lower	Color	Order No.
1	Upper	Yellow	177-105
1	Lower	Yellow	177-106
2	Upper	Pink	177-107
2	Lower	Pink	177-108
3	Upper	Purple	177-109
3	Lower	Purple	177-110
4	Upper	Green	177-111
4	Lower	Green	177-112
Assorted Starter Kit*			177-100

*Kit Includes: One pair size 1, three pair size 2, four pair of size 3, two pair size 4
Individual sizes: Package of 20

Norm-O® Impression Trays

Norm-O impression trays incorporate all the exclusive design features of Extend-O trays, except flange height is reduced. Excellent for patients with small mouths or low gingival sulci, as with cleft lip patients.

Teflon-Coated

Upper Sizes	Perforated	Lower Sizes	Perforated
1	125-011	1	125-001
2	179-012	2	179-002
3	179-013	3	179-003
4	179-014	4	179-004
5	179-015	5	179-005
6	179-016	6	179-006
7	179-017	7	179-007
8	179-018	8	179-008
Large Set		179-100	
Mini-Set		179-800	

Large set includes upper and lower sizes 2 through 8.

Mini-set includes upper and lower sizes 3, 4, 5 and 6.

Individual sizes: Package of 1



Norm-O Flange
Height

Utility Wax Strips

28 cm (11") long x 5mm (0.1875") thick white wax strips are ideal for building up impression trays, preserving the periphery roll, extending trays or postdamming. Approximately 64 strips in each box.

100-604 Wax Strips



Mor-Tight

Provides deeper impressions when tray height proves inadequate. Will not discolor white plaster or harm oral tissues. Box contains 72 conveniently separated 30 cm x 6.35mm (12" x 0.25") strips.

One layer is usually sufficient; however, if more height is desired, additional layers may be added. Maximum results may be obtained by cooling Mor-Tight if it is too soft – or warming if it is too hard.

100-450 Mor-Tight



Bite Wafers

The 4.76mm (0.1875") thick wafers are adaptable to arch form and large enough for any arch. Can also be used to take quick, simple impressions to record tooth relationships—such as lower anterior crowding.

100-615 Bite Wafers
Package of 36



Dental Flexibole

Easy-to-clean and long lasting—even under abrasive action and prolonged usage. Alginates, plaster, stone, investments and other materials will not stick to surface. More flexible than rubber. Unaffected by most chemicals and solvents.

100-667 Flexibole (600 cc)



Flexible Plastic Model Base Former

Fabricated from flexible, blue plastic, generously shaped in all dimensions to provide sufficient plaster base for trimming. Smooth and flexible for easy separating and cleaning. Translucent material allows recognition of air bubbles and confirmation of correct positioning. Side extensions aid in removal.

	Width*	Depth*	Length*	Order No.
Small	10.2 cm (4")	3.2 cm (1.25")	6.7 cm (2.625")	100-807
Medium	10.2 cm (4")	3.8 cm (1.5")	6.7 cm (2.625")	100-808
Large	11.4 cm (4.5")	3.2 cm (1.25")	7.6 cm (3")	100-809
X-Large	11.4 cm (4.5")	3.8 cm (1.5")	7.6 cm (3")	100-810

*Inside Dimensions



Plastic Model Base Former

Fabricated from sturdy blue plastic that facilitates separation and cleaning. Rigid walls hold shape when vibrating or carrying. Upper and lower shapes are identical. Unique "ears" aid separation and add stability to sides.

	Width*	Depth*	Length*	Order No.
Small	10.2 cm (4")	3.2 cm (1.25")	6.7 cm (2.625")	100-805
Medium	10.2 cm (4")	3.8 cm (1.5")	6.7 cm (2.625")	100-804
Large	11.4 cm (4.5")	3.2 cm (1.25")	7.6 cm (3")	100-803
X-Large	11.4 cm (4.5")	3.8 cm (1.5")	7.6 cm (3")	100-802

*Inside Dimensions



Rubber Model Base Former

Fabricated from durable, black rubber for flexibility and longevity. Walls are 4.8mm (0.1875") thick. Generously shaped in all dimensions to provide sufficient plaster base for trimming. Upper and lower molds identical. Smooth finish and flexibility provide easier separation and cleaning. Style "O" has cut-out in back. Style "P" has plain back edge.

	Width*	Depth*	Length*	Order No.
Medium	10.2 cm (4")	3.8 cm (1.5")	6.7 cm (2.625")	100-801
Large	11.4 cm (4.5")	3.2 cm (1.25")	7.6 cm (3")	100-800
X-Large	11.4 cm (4.5")	3.8 cm (1.5")	7.6 cm (3")	100-806

*Inside Dimensions
(Specify style "O" or "P")



Orthodontic Plaster

An exceptional quality plaster formulated specifically for orthodontic models. Plaster is snow white and extremely fine and hard with low setting expansion.

Working consistency is three parts plaster to one part water. Initial setting time 12 to 15 minutes. Final setting time 25 to 30 minutes. Especially resistant to breakage with compression strength of 44,850 kPa (6500 psi). Shipped in convenient 11 kg (25 lb.) net weight cartons for ease of handling and storage.

Shipping Information

TPO ships plaster to customers in the United States and Canada only. Shipments in the continental United States are by United Parcel Service. Shipments to Alaska and Hawaii are by Parcel Post, Special Handling. Shipments to Canada are by Parcel Post.

101-270 Plaster

Algisolv Tray Cleaner

Quickly removes alginate residue without discoloring metals. Saves time and trays by greatly reducing the need for scraping and scrubbing. Teflon finished trays come out clean; metal trays bright and shiny. One bottle provides several gallons of solution.

The only material recommended for cleaning TPO impression trays.

100-254 Algisolv, 1 lb. (454 g)



Model Finishing Soap

Produces truly beautiful study models. Immerse the thoroughly dry models in the solution for approximately 15 minutes—rinse with warm water, let dry, then polish with a soft, dry cloth.

TPO soap will remain in suspension indefinitely and may be used from four to eight weeks if kept clean in a covered container.

100-880 Model Finishing Soap, 3.8 L (1 gallon)



Model Carrying Case

Convenient, safe method of transporting orthodontic models. Accommodates 20 full sets. Models are arranged on two layers, fully surrounded by thick cushions of polyurethane. Each model half nestles in own separate depression.

Cushioned interior is protected by sturdy, molded black case with durable, locking latches. Size of case 47.6 x 36.2 x 13.3 cm (18.75" x 14.25" x 5.25").

100-106 Model Carrying Case

100-107 Foam Insert Replacement



Model Storage Boxes

Specifically designed to accommodate orthodontic models. Each style holds four sets of models in complete safety. Unique diagonal divisions are ideally placed to adapt to the trimmed model bases.

Precision made of sturdy, double-faced corrugated board approximately 2mm (0.09375") thick. Shipped in single flat pieces for convenient storage. Assemble quickly as needed.

Available with chalk white finish in two sizes.

100-400 Medium Model Storage Box

100-401 Large Model Storage Box
Package of 1



Medium

24.8 x 15.9 x 5 cm
(9.75" x 6.25" x 2")

Shipping weight of 50 boxes is approximately 8 kg (17 lbs).

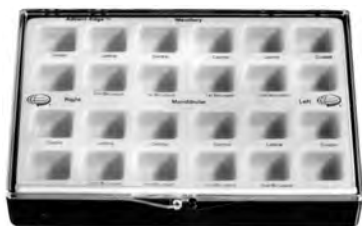
Large

26.7 x 16.5 x 5 cm
(10.5" x 6.5" x 2")

Shipping weight of 50 boxes is approximately 9 kg (20 lbs).

Bracket Inventory Boxes

Convenient plastic storage boxes with molded inserts measure 12.7 x 18.4 cm (5" x 7.25"). Boxes provide separate compartments for organizing bonding attachments. Brackets not included.



100-905 Straight-Edge® Inventory Box

100-907 Nu-Edge® Inventory Box

100-908 Twin-Edge® Inventory Box

100-909 Advant-Edge® Inventory Box
24 compartments



100-913 Large Inventory Box

28 compartments



100-900 Small Inventory Box

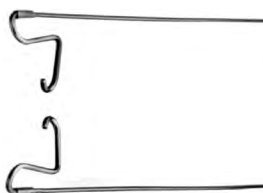
18 compartments

SAL[®] (Self-Activating Loop) Retainer System

Guarantees continuous activation for retainers and spring aligners for long-term stability. Activation is supplied by nickel titanium loops. Short loops are most often recommended for maximum comfort and proper seating. Long loops are for maxillary appliances or for patients with long clinical crowns.

392-000 SAL Retainer System, long loop
Package of 10 (5 left, 5 right)

392-001 SAL Retainer System, short loop
Package of 10 (5 left, 5 right)



Patented

Bluegrass Roller

Rollers are available in packages of five to fabricate bluegrass appliances.

Proven to be extremely successful for correcting thumb sucking problems. The patient is instructed to turn the roller with their tongue rather than sucking on the thumb. Thumb sucking often stops immediately, although the bluegrass appliance should remain in the mouth for about six months to ensure the habit has been broken.

Bluegrass appliances are also available from our custom lab service. Send an impression or a poured model, with or without preselected and fitted molar bands enclosed.

Designed by Dr. Bruce Haskell and Dr. John Mink.

611-025 Bluegrass Roller
Package of 5



OFFICE AND LABORATORY

TP Original Lab Wire

Strong, with excellent memory qualities. Nick resistant and easy to form. Polished and packaged in 30.5 cm (12") lengths.

0.71mm (.028")	0.81mm (.032")	0.91mm (.036")
706-028	706-032	706-036

Package of 25



Acrylic Liquid Dispenser Bottle

Plastic 56.7 g (2 oz.) bottle with dispensing needle simplifies and improves acrylic appliance fabrication. Drip-proof needle provides maximum control of acrylic liquid when added to powder.

100-111 Dispenser Bottle and Needle
Package of 2

100-112 Replacement Needles
Package of 10



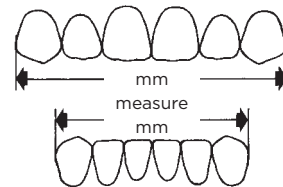
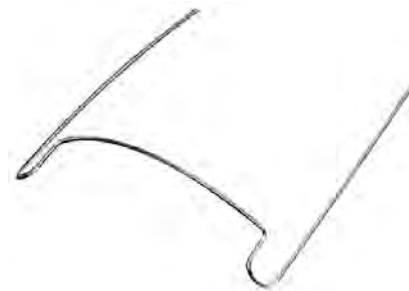
Hawley Labial Bow

Labial retainer wires are precision formed from stainless steel. Offered in 12 sizes for accurate size gradations in 2mm increments. Complex bends are preformed in three dimensions.

mm	0.71mm (.028")	0.81mm (.032")
34	610-234	610-334
36	610-236	610-336
38	610-238	610-338
40	610-240	610-340
42	610-242	610-342
44	610-244	610-344
46	610-246	610-346
48	610-248	610-348
50	610-250	610-350
52	610-252	610-352
54	610-254	610-354
56	610-256	610-356
Kit*	610-230	610-330

*Kits include 60 wires of assorted sizes and a measuring gauge.

Individual sizes: Package of 10



Size is determined by millimeter measurement between distal surfaces of cusps. Measure midway along labial surface of teeth.

Modified Adams Clasp

Precision made for uniformity and convenience. Loops include undercuts of adjacent teeth for improved retention. Formed from 0.71mm (.028") stainless steel wire in eight sizes for bicuspid and molars. Sizes are measured from midline of loop to midline of loop.

mm	0.71mm (.028")	mm	0.71mm (.028")
5	224-081	10	224-086
6	224-082	11	224-087
7	224-083	12	224-088
8	224-084		
9	224-085	Kit*	224-080

*Kit includes 80 clasps, 10 of each size.

Individual sizes: Package of 10



Ball-End Clasp

Preformed retainer clasps with smooth, round ball heads. Precision formed from highest quality stainless steel for maximum strength without brittleness.

100-821 Ball-End Clasp, 0.71mm (.028")

100-822 Ball-End Clasp, 0.81mm (.032")
Package of 50



Quick Form Retainer Squares

Thinner squares are recommended for Essix-type retainers that have incisal coverage from cuspid-to-cuspid. Thicker quick form squares are suggested for occlusal retainers that cover all teeth.

100-009 Quick Form Retainer Squares, 0.51mm (.020") thick

100-010 Quick Form Retainer Squares, 0.76mm (.030") thick

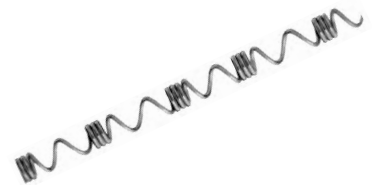
100-012 Quick Form Retainer Squares, 1.01mm (.040") thick
Package of 25



Reflex[®] Double Coil Spring

Formed from 0.30mm (.012") nickel titanium wire with a 1.4mm (.055") I.D. coil. Double coil springs fit over rods of distalizing appliances. Can be cut to desired length. Excellent memory provides optimum, continuous expansion or maintenance forces over time. Package contains three 18 cm (7") lengths.

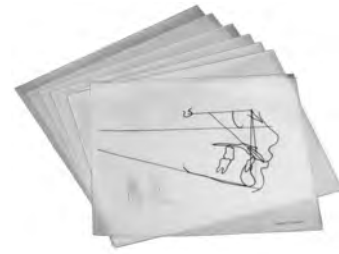
210-508 Reflex Double Coil Spring
Package of 3



Acetate Tracing Paper

Uniformly cut in 20 x 25cm (8" x 10") sheets for easier, more accurate tracing.

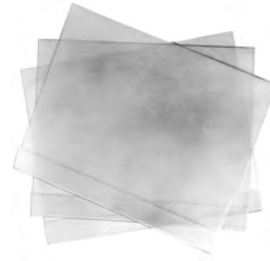
- 100-860** 0.13mm (.005") thick
100-861 0.08mm (.003") thick
Package of 100



Tracing Paper Sleeves

Clear, plastic sleeves fit 20 x 25cm (8" x 10") tracing sheets.

- 100-862** Tracing Paper Sleeves
Package of 1



Brace Relief™ and Brace Gard™

Brace Relief gel can be applied on gingival or soft tissue for temporary relief of irritation. Brace Gard silicone can be placed directly on wires or brackets. Brace Relief pocket kits include one tube of gel, four rods of silicone and instructions. Extra silicone rods may be purchased separately in boxes containing three rods.

100-211 Brace Relief Pocket Kits - 1 gel and 4 silicone rods
Package of 10 kits

100-213 Brace Gard Silicone - 3 silicone rods only
Package of 12 boxes

Brace Relief and Brace Gard are trademarks of Infa-Lab.



Free-N-Easy® Mouthguard

Molded from two materials: clear and high-visibility yellow plastic. Ideal for all contact sports. Loose fit is especially suitable for those wearing orthodontic appliances. Offers protection to teeth, lips, gingiva and appliances. Allows free talking and breathing.

Fits mixed or permanent dentitions. Easy to place by folding in middle. Occlusal ridges provide additional protection and greater stability from lateral blows to the mandible.

100-536 Clear Free-N-Easy Mouthguard
100-537 Yellow Free-N-Easy Mouthguard
Package of 1



Appliance Carrying Case

Convenient cases for all removable orthodontic appliances. Sturdy molded one-piece construction furnishes full protection for contents when carried in pocket or purse. Unique clasp snaps case tightly closed, presses to open. Available in a variety of colors.

Note: 100-933 Blue Retainer Case is designed for retainers and is slightly smaller than the other cases.

100-933 Blue Retainer Case
100-932 Royal Blue Appliance Case
100-935 Copper Appliance Case
100-936 Pink Appliance Case
100-937 Green Appliance Case
100-938 Silver Appliance Case
100-939 Marine Blue Appliance Case
100-934 Assorted Colors Appliance Cases - Contains two each of copper, pink, green, silver and marine blue
Package of 10



Acrylic Study Models

Attractive acrylic study models are excellent for patient consultations, office personnel instruction and study group or seminar presentations. A wide variety of pretreatment malocclusions and finish models are offered. Custom acrylic model service is also available to produce acrylic models directly from a patient's alginate impressions or plaster models. Please call TPO for more information about this service.



White Teeth
with White Base
800-151 One-Color



White Teeth
with Pink Base
800-251 Two-Color



Appliances
on Acrylic Models
Call for details



Aluminum Hinge
on Acrylic Models
800-101 Aluminum Hinge

Wax Typodonts

Excellent for orthodontic instruction at courses and seminars. When heated, teeth will move in response to forces applied by archwires, elastics and auxiliaries. Typodonts should remain in oven or water at 60°C (140°F) for 30 to 60 minutes for most effective tooth movement. Class II, Division 1 malocclusions are available on plastic articulators. Any TPO bracket system may be added to typodonts on request.

Bases are each threaded (0.25"-20 coarse thread) to enable individual use with bench mounted swivels.

800-510 Wax Typodont without Appliances



Gorilla Model

A real conversation piece for the office! Beautifully sculptured and soaped, this model is made from impressions taken of soft tissues rather than a dried specimen or skull. Sizes and relationships of teeth are interesting to professionals and laymen alike.

100-894 Gorilla Model



Tip-Edge PLUS® Guide

Sixth Edition

Peter C. Kesling, DDS, ScD

This edition of the popular textbook has been completely revised to cover all aspects of Tip-Edge PLUS® brackets, with special emphasis on the distinctive deep tunnel feature. The book is 260 pages and is bound in hardcover for the first time. It contains many detailed illustrations and photographs of over 30 individual cases.

100-113 Guide – English, Sixth Edition



Tip-Edge® Orthodontics

Second Edition

Richard Parkhouse, BDS Hons (Lond), FDS, DOrth, RCS (Eng)

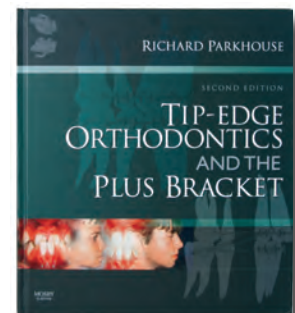
The second edition of Dr. Richard Parkhouse's book, "Tip-Edge® Orthodontics and the PLUS Bracket" is now available. This edition features full color photographs and new clinical cases.

For those already using Tip-Edge, it offers a readily followed and logical approach to treatment, incorporating the most recent advances.

- Stage-by-stage descriptions of technique
- Clinical cases demonstrate versatility in the correction of different malocclusion types
- Repeated comparison with conventional straight wire appliances to aid understanding
- Descriptions of both extraction and nonextraction methods
- Illustrated by typodont set-ups and line drawings

Author and popular lecturer Dr. Richard Parkhouse is recognized throughout the world as one of the foremost developers of the technique.

100-101 Tip-Edge Orthodontics – English, Second Edition



Simplified Straight-Wire Technique

Messias Rodrigues, DDS, MSc

This text outlines the benefits of using Tip-Edge® brackets in conjunction with conventional Straight-Wire brackets. Dr. Rodrigues claims that by placing Tip-Edge brackets on the cuspids, practitioners can avoid many of the problems encountered with traditional Straight-Wire treatment.

100-034 Simplified Straight-Wire Technique - Spanish

100-035 Simplified Straight-Wire Technique - Portuguese

100-036 Simplified Straight-Wire Technique - Mandarin



TP Orthodontics Classic Educational Film Series

This exclusive two-DVD set features over three hours of our most popular and informative video titles in a single collection.

Each segment features a TPO product or treatment technique, such as the Pre-Finisher® appliance or the Tip-Edge® bracket system.

The Classic Educational Film Series provides a convenient way to research the capabilities of a particular appliance, provide information to patients and their families or brush up on a specific bracket system.

Whether used for staff training or patient education, the Classic Educational Film Series is an invaluable resource for your practice.

101-914 TP Orthodontics Classic Video Series
DVD - English



Video modules include:

- Tip-Edge PLUS®
- Tip-Edge PLUS® Candid Conversation
- Tip-Edge® Rx-I Case Reports
- Tip-Edge® Rx-I Brackets
- Begg Light Wire
- MXi® - Today's Aesthetic Choice
- MXi® - Helping You Look Your Best
- Straight-Edge®
- Pre-Finisher®
- You and Your Tooth Positioner
- Ready, Set, Straighten
- Vertical Slots

TP ORTHODONTICS, INC.

CUSTOM ORTHODONTIC APPLIANCES

Finishing and Retention

Functional Appliances

Clear Aligner System

Mouthguards

Model Sculpture

Digital Services



TP Orthodontics, Inc.

tportho.com/custom

CUSTOM ORTHODONTIC APPLIANCES

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- Pre-Finisher® Appliance

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TP Orthodontics, Inc.



Precision. Convenience. Confidence.



Expert workmanship and quality have characterized our orthodontic laboratory services since 1942. Every appliance ordered receives the careful attention of a skilled technician and only the finest materials and latest processes are used in its construction.

Most appliances permit a wide variety of design possibilities. Due to this extensive variety, only the more commonly requested types are illustrated in this catalog. Please contact us if you do not see your desired appliance listed.

LIFETIME WARRANTY

All TPO custom appliances are fully guaranteed for the entire term of prescribed wearing time. If the appliance becomes damaged for any reason other than patient neglect, TPO will repair or replace it at no charge.

Just return the damaged appliance along with the file, model or set-up from which the original appliance was fabricated.

Laboratory Services Order Information

U.S. Mail and Shipping Address

TP Orthodontics, Inc.
100 Center Plaza
La Porte, Indiana 46350-9672
USA

Phone: 219-785-2591
Toll Free: 800-348-8856
Fax: 219-324-3029
Email: info@tportho.com

Digital submission information can be found in this catalog or at tportho.com/custom

tportho.com/custom | 800-348-8856



Option 1: Digital Prescription Submission

TP Orthodontics accepts STL files directly from common scanner brands including iTero® and 3Shape®. Inquire with us about other brands as they may occasionally be added to our system.

Or, prescribe in minutes with our digital prescription management system at tportho.com/custom. We accept STL files from any intraoral scanner. No more hand-written forms, messy impressions or bulky models.

Don't have an intraoral scanner? You can still create your prescription at tportho.com/custom, print the Rx forms and send it in with impressions or models. We'll even upload your case for viewing, approval and archiving.



Option 2: Standard Prescription Submission

Download prescription forms and shipping labels at tportho.com/custom and send your models or impressions to the TP Orthodontics Laboratory Service site.

TPO Custom Lab Services

100 Center Plaza, La Porte, IN 46350

Or contact us at: info@tportho.com • 800-348-8856

Submit

Digital file submission eliminates shipping time and is statistically proven to reduce prescription error.

Manage

Simple, instant access to your files improves efficiencies and saves time and eliminates plaster model storage.

Archive

Secure and private, your files are available when and where you need them. (HIPAA-compliant)

Filling Out Prescription Forms

To obtain prescription forms, call TPO at 800-348-8856 go to tportho.com/custom.

Prescription forms are available for these appliances: Aligners, Finishing Appliance, Custom Perfector, Set-Up and Positioner, Model Sculpture, Indirect Bonding and Flip-Lock HERBST Appliance. The general Appliance Prescription Form is used for several commonly prescribed appliance types.

It is very important that you fill out your prescription form as completely as possible. This benefits both you and the laboratory technician. Please print or type your account number, doctor or group practice name, address, telephone number and patient's full name.

If you have special instructions that are to be used routinely in all of your appliances, we note these in your file. Of course, there are times when you may have variations of a specific appliance design; these can be noted or drawn on the special instructions area provided on the prescription form.

Refine™

Complete Aligner System

The Refine Complete Aligner System incorporates a finishing appliance for efficiency. A choice of a semi-custom (Pre-Finisher®) or custom finishing appliance (Refine Custom Finishing Appliance) is included in the cost of the system.

The Refine Complete Aligner System is for minor to moderate tooth movement and is ideal for orthodontic relapse. The system is available in easy-to-order options. View and approve cases and expected results on TPRX™.



670-310 "BASIC 5" option provides up to 5 steps of movement
(10 total trays and can be used for single or dual arch treatment)

670-310P "BASIC 5" with Pre-Finisher appliance

670-310R "BASIC 5" with Refine appliance

670-320 "TOTAL 10" option provides up to 10 steps of movement
(20 total trays and can be used for single or dual arch treatment)

670-320P "TOTAL 10" with Pre-Finisher appliance

670-320R "TOTAL 10" with Refine appliance

Supplemental ordering options are as follows:

670-349 "Diagnostic" — submit a case without ordering a specific number of trays until he views the case to determine steps required (does not include cost of trays)

670-330 "Mid-treatment Revision" — patients that mis-track plus cost of trays

670-311 "UNLIMITED" — prescribe additional trays beyond the TOTAL 10 option at a set price per tray

Originator® Clear Aligner System

Similar to traditional braces, the Originator Aligner System places force on anterior teeth allowing movement into desired positions. The movement is achieved incrementally through a series of clear aligner trays. The Originator Aligner System can correct minor to moderate anterior crowding or spacing and can correct minor orthodontic relapse.

670-110 Originator 10 Tray System

670-105 Originator 5 Tray System

Customized options available.



Originator® Demonstration Models

Included in the kit: one original patient model, one finished model, one clear aligner tray and one carrying case.

The beginning and end model will visibly display the tooth movement that can be achieved through a five-tray treatment series.

800-067 Originator Demonstration Models



Note: Box is for identification only, it is not included with the demonstration models.

Originator® Marketing Materials

Patient materials include (from left to right in the image) the patient brochure, poster and care guide.

700-181E Originator Patient Marketing Brochure, English

700-182ES Originator Care Guide, Bilingual (English and Spanish)

700-183E Originator Poster, English



Finishing Appliances

TP Orthodontics offers the most extensive array of finishing appliances available. Use this information to choose the right one for you, your practice and your patient. Each uniquely different in size and fit – all designed to achieve the best possible finish with aligner treatment or fixed appliance therapy.

Original Tooth Positioner

The Tooth Positioner is a custom-made resilient mouthpiece that is constructed over a setup and fabricated in normal hinge-axis relationship. The original tooth positioner's extended size promotes massaging of the gingival which may be inflamed after orthodontic treatment. Precision seating springs are optional for placement assistance and when additional retention is desired. Sufficient airways for breathing comfort and increased acceptance.

- Offers the ability to remove fixed appliances three to six months early
- Closes slight spaces (2-3mm) and corrects minor rotations and buccolingual discrepancies
- Corrects and relates teeth in both arches simultaneously
- Suited for aligner treatment by promoting ideal occlusion without the need for additional aligner trays

Use when: Maximum gingival stimulation is required, or an appliance is needed as a mouthguard.



Refine™ Orthodontic Finishing Appliance

The smallest of the finishing appliances, provides for the same finishing as the Tooth Positioner and Mini-Positioner. Easy online ordering; multiple color options for patient acceptance.

- **Ideally suited for aligner treatment, the appliance can be used to replace multiple aligner trays when refinement is required**
- Closes slight spaces and corrects minor rotations and buccolingual discrepancies
- Corrects and relates teeth in both arches simultaneously, promoting ideal occlusion

Use when: The patient is at the refinement stage of aligner treatment, and does not wish to continue with additional aligners. Allows you to transition the patient from full-time to part-time appliance wear. Send in impressions or conveniently submit final STL files online.



Mini-Positioner

Made in the same manner as the Original Tooth Positioner, but trimmed to be approximately 50% less bulky. Due to increased flexibility, the Mini-Positioner adapts to greater discrepancies, is easier to place and more comfortable for the patient. Precision seating springs are optional for placement assistance and when additional retention is desired. Sufficient airways for breathing comfort and increased acceptance.

- Offers the ability to remove fixed appliances three to six months early
- Closes slight spaces (2-3mm) and corrects minor rotations and buccolingual discrepancies
- Corrects and relates teeth in both arches simultaneously
- Suited for aligner treatment by promoting ideal occlusion without the need for additional aligner trays

Use when: There is more than 2mm of space to close in one arch, or for cases that do not require the Original Tooth Positioner for gingival stimulation or mouthguard use.



Pre-Finisher® Pre-Formed Finishing Appliance

An appliance that can be fitted immediately, with no impressions required. A quick cuspid-to-cuspid measurement assures selection of the correct size – an economical choice when a custom appliance is not required. Sized in one-millimeter increments for precise fitting, and available in extraction and non-extraction versions.

- Offers the ability to remove fixed appliances early and can be used as a retainer
- Closes slight spaces and corrects minor rotations
- Corrects and relates teeth in both arches simultaneously
- Suited for aligner treatment by promoting ideal occlusion without the need for additional aligner trays

Use when: Desire to begin finishing when teeth are primed for movement, immediately following bracket removal. Used as an interim appliance when a custom retainer is being fabricated.



The Pre-Finisher Appliance is included here only as a possible finishing option. Additional information can be found in Section 10 of the TPO Product Catalog.

Tooth Positioning Appliances

Set-Up (digital or traditional) and Articulation Methods

Depending on your case and prescription submission type, our technicians will set the teeth in new positions using a traditional pour-up method and plaster models, or advanced 3-D digital technology.

Either way, the teeth will be carefully reset according to the directions you provide on the prescription form which you can submit digitally or by mail. Teeth chipped or broken in transit will be accurately repaired. If necessary, air holes are filled and full-sized teeth are substituted for those just erupting.

Digital files will be examined for distortions or other errors and corrected if possible. If basic treatment has been properly accomplished, each tooth will have sufficient space in the arch and can be placed in its best position in the wax set-up or digital model.

If the submission is completely digital, doctors may request to view the set-up models as three-dimensional graphics before fabrication of the appliance.

1. Full Set-Up

A set-up is made from a model or recent digital file submission where all the teeth have been adjusted into a new position according to the directions you provide when you wish to have a tooth positioning appliance ready to place the day brackets are removed. A recent progress model which usually includes the brackets can be sent or scanned to TPO and our technicians will carve/remove the brackets/bands from the teeth on the model before constructing the set-up and tooth positioning appliance.

Remove archwires before taking the impression for the progress model.



2. Partial Set-Up

A Partial Set-Up can be made when it is unnecessary to reset all teeth. Simply indicate on the prescription sheet which teeth are to be repositioned.

3. Diagnostic Set-Up

The Diagnostic Set-Up is an excellent aid for orthodontic treatment planning. Rearrangement of the teeth on the models or digital file can replace speculation on the possibilities and limitations of treatment.

Indicate which teeth you wish extracted (if any), and the desired location of the lower anterior teeth at the end of treatment.

Vertical lines are scribed from the buccal surfaces of the mandibular first permanent molars onto the alveolar ridges beneath them. The amount of displacement of these lines on either side of the completed diagnostic set-up will be an indication of the amount the first molars must be moved mesially during treatment to achieve the desired position of the lower anterior teeth.

A Diagnostic Set-Up can aid in making decisions regarding the advisability of extracting teeth. It will also disclose tooth mass discrepancies, as well as give advance notice of anchorage problems.

Tooth Positioning Appliances

Available in Your Choice of Materials

crystal-Flex®

TPO crystal-Flex is a transparent material preferred by patients because of its aesthetic appeal and mild spearmint scent. Positioners can be fabricated from soft or medium crystal-Flex material. Resiliency of both materials offers superb memory qualities to precisely finish treatment. Transparency readily permits visual examination of proper positioner placement. Pastel Palates® motivation colors can be incorporated into crystal-Flex material.

Natural Rubber

Our special formula of black or white natural rubber provides excellent resiliency for rapid tooth movement and patient comfort.

Impak

Impak is a clear methyl acrylate, elastic resin material that is only recommended when minor tooth movement is required. It has a hard texture until placed in hot water, after which it becomes very flexible. As the patient wears the appliance, its temperature reduces and the material hardens – returning to its original shape and moving the teeth with it. Body temperature prevents the material from becoming too hard. Impak cannot incorporate Precision Seating Springs, Socket Liners, Molded Airways or Pastel Palates colors. Air holes can be drilled if requested.

Silicone

TPO specially formulated silicone offers excellent resiliency for rapid and effective tooth movement. The frosty appearance is aesthetically appealing to patients and permits visual examination of proper placement. Heat resistant and tear resistant silicone is tasteless, soft and smooth. Available in clear.

Tooth Positioning Appliances

Precision Seating Springs

Precision Seating Springs are retentive clasp arms of stainless steel that are molded into the tooth positioning appliance when it is fabricated. They ensure proper placement and retention of tooth positioning appliances. The term “precision” refers to the exact seating and precise application of forces that are possible with their use.

When a Tooth Positioner or Mini Positioner is placed with Seating Springs, it is held firmly in place and exerts desired tooth-moving forces even while the patient relaxes or sleeps. The ends of the Seating Springs have smooth ball-shaped ends to facilitate their slipping around the contact points and to increase retention.

When used, Seating Springs are usually placed in the upper arch mesial to the maxillary first molars. In selected cases, Seating Springs can also be placed in the lower arch. The location of these springs is determined by the orthodontist, and is varied according to the original malocclusion and/or the teeth that may have been extracted.

Locations for Seating Springs

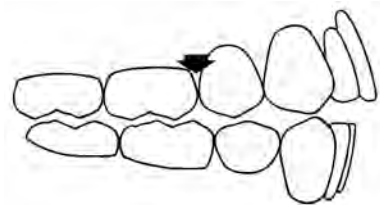
If the patient is a first bicuspid or non-extraction case, Seating Springs are placed mesial to the upper first molars.

The use of springs mesial to first molars in both arches is recommended for maximum retention or when lower space closure is desired in first bicuspid extraction or non-extraction cases.

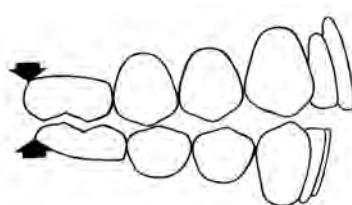
When the second bicuspids have been extracted, Seating Springs are placed distal to the upper and lower first molars to keep the extraction spaces closed.

First molar extraction cases would have Seating Springs distal to upper and lower second molars to maintain extraction space closure.

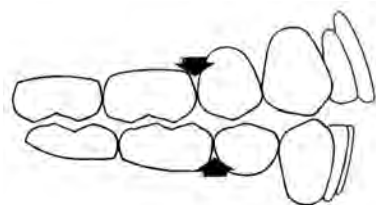
Suggested Locations for Precision Seating Springs



First bicuspid extraction or non-extraction cases.



When second bicuspids or first molar have been extracted.



When maximum retention or lower space closure is desired for first bicuspid extraction or non-extraction cases.



Precision Seating Springs have comfortable rounded ends to facilitate slipping around the contact points. They cannot harm the enamel, do not irritate the gingiva and do not cause separation of the teeth.

Tooth Positioning Appliances

Socket Liners

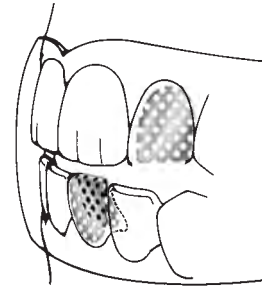
Socket Liners are stainless steel inserts that stiffen the socket walls of selected anterior teeth. They cannot fall out and do not alter the shapes or sizes of sockets.

Socket Liners are most effective to:

- Prevent rotations of upper and lower incisors
- Achieve anterior corrections more rapidly
- Influence arch form and improve tooth alignment
- Help prevent anterior relapse
- Restrict “bite-through”

Socket Liners are indicated when the original malocclusion exhibited severe anterior crowding. Can be used on any or all of the central or lateral incisors.

Socket Liners become an integral part of the appliance. They are molded in place, cannot be accidentally displaced and do not alter the inside dimensions of the sockets.

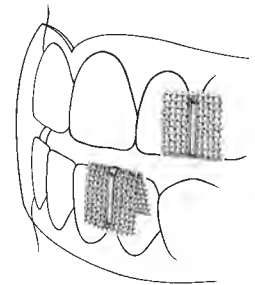


Socket Bridges

Socket Bridges are stainless steel anterior inserts that provide improved rotational control of upper and lower centrals, laterals and cuspids. They are indicated when the original malocclusion exhibits anterior crowding.

Although similar to Socket Liners, Socket Bridges are placed between the teeth rather than centering them directly on each tooth. Socket Bridges limit the potential for rotations by locking the proximal surfaces of adjacent teeth together. They are made from stiff, perforated stainless steel material that is more rigid than Socket Liner material.

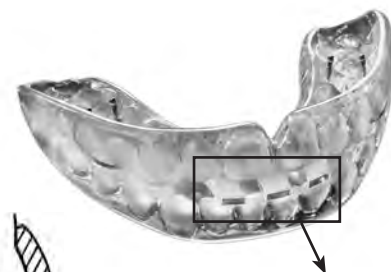
Socket Bridges provide maximum rotational control without sacrificing the necessary flexibility of Tooth Positioners. They also prevent patients from chewing through the appliance.



Molded Airways

Positioning appliances with Molded Airways greatly improve patient acceptance and cooperation.

Three large, rectangular anterior airways increase breathing capacity. Patients with nasal blockages due to allergy, cold or injury can breathe more normally through Molded Airways. Smooth interior walls can easily be cleaned.

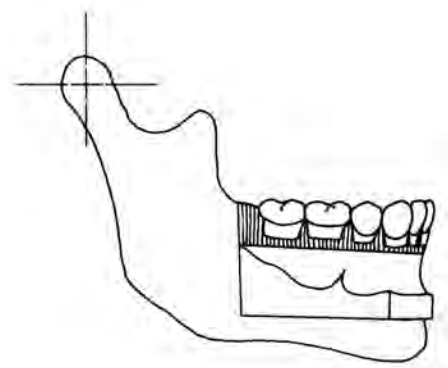


Tooth Positioning Appliances

Normal Hinge-Axis

Fabrication of a Tooth Positioner must be done with the arches of the set-up oriented in rest position. Since the early 1940's, TP Orthodontics has opened each set-up to rest position in a special articulator flask, using an average (or "Normal") Hinge-Axis mounting. This results in the lower half of the set-up dropping downward and backward, with a greater freeway space in the anterior than in the posterior.

Tooth Positioners not made in this manner are unsatisfactory. If, for instance, the arches were opened in a parallel fashion, there would be too much freeway space material between the posterior teeth, and the anterior teeth would not properly seat in their sockets. Wearing such an appliance could result in depression of posterior teeth and even TMJ discomfort.



Normal, or "average," hinge-axis relationship is used whenever patient's lateral head x-ray, hinge-axis tracing or gnathological specifications are not included with prescription sheet.

Gnathological

TP Orthodontics is equipped with Hanau, Whip-Mix, Denar, SAM and Panadent articulators. This enables our laboratories to comply with the varying requirements in providing Gnathological set-ups for fabrication of custom Tooth Positioners.

The orthodontist must furnish the laboratory with upper and lower casts and all information required for accurate transfer of bite registration from the orthodontist's articulator to the articulators maintained by TPO.

Set-ups made on articulators other than those mentioned above can also be provided by shipping the articulator to TPO.

It is suggested that you contact the TPO laboratory before processing the Gnathological set-up and Tooth Positioner for complete instructions prior to sending either models or an articulator.



Whip-Mix



Denar



Hanau



SAM



Panadent

Tooth Positioning Appliances

Exercise Wear

Exercise wear involves the patient tensing the masseter muscles and forcing his/her teeth into the sockets. This biting force is held as long as possible. When the patient relaxes, his or her mouth should remain closed, with the teeth seated in the positioner.

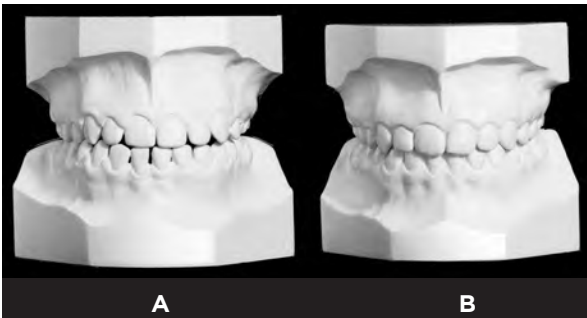
This is repeated over and over during the hours of daytime wearing. Initially the patient will experience discomfort, and will be able to exert pressure for only a short time. Gradually, the muscles will become developed and biting pressures can be increased and maintained for longer periods of time.

Patients and their appliances should be checked at the end of each time period. Most corrections are achieved in two weeks. After six months, most patients are placed on a nighttime wearing schedule.

Suggested Wearing Schedule

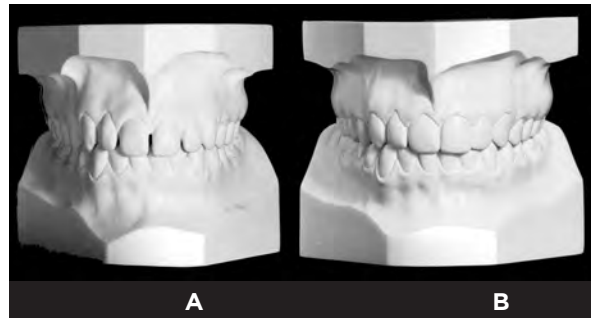
Time Period	Wearing Schedule
First 2 weeks	3 to 4 hours of exercise during the day, plus while sleeping
Next 4 weeks	2 to 3 hours of exercise during the day, plus while sleeping
Next 6 weeks	2 hours of exercise during the day, plus while sleeping
Next 2 to 3 months	1 hour of exercise during the day, plus while sleeping
After 6 months	Can be worn while sleeping to act as a retainer

Results Achieved



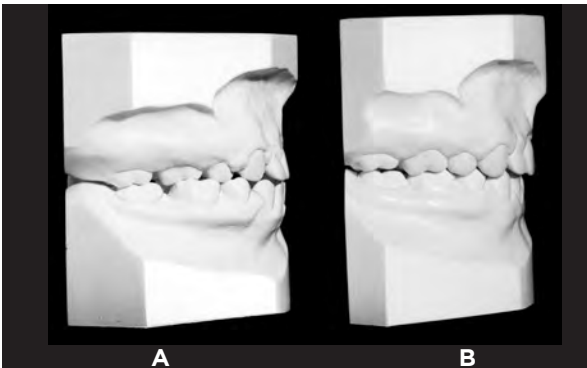
1. Midline Correction

- A. Appliances removed
- B. After 8 weeks of Positioner wear



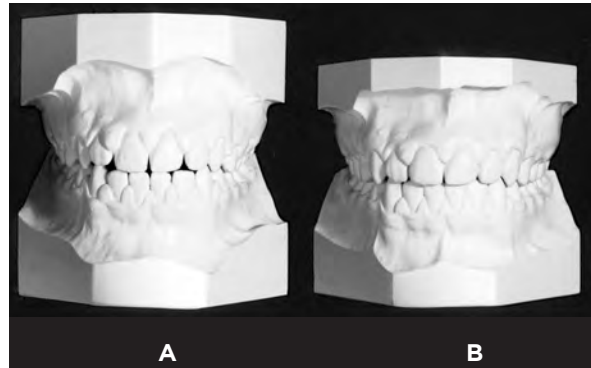
2. Space Closure

- A. Generalized spacing—no prior orthodontic treatment
- B. After 6 months of Positioner wear—2 hours each day and while sleeping



3. Molar Crossbite Correction

- A. Appliances removed
- B. Result of 3 months of Positioner wear—4 hours each day and while sleeping



4. Detailed Finishing

- A. Appliances removed
- B. Settling and gingival improvement after just 8 weeks with a Positioner

Perfector® Appliance

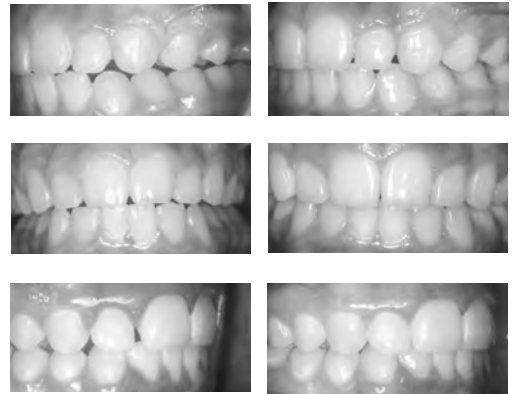
The Perfect Finishing Appliance

The custom Perfector is a means of perfecting final treatment results without fixed appliances. It combines the proven qualities of a tooth positioner, retainer and functional appliance into one finishing appliance. Perfectors are custom-made for each patient over an individualized set-up. When the Perfector is worn properly, teeth can be brought into ideal occlusion and arch form.



TPO Custom Perfector can:

- Settle teeth in desired cuspal relationships
- Align anterior teeth
- Close interproximal spaces – 2mm to 3mm (.079" to .118") total in each arch
- Correct anterior and posterior crossbites
- Improve and coordinate dental arch forms
- Maintain or correct anteroposterior interarch relationships
- Level the Curve of Spee to help open deep anterior overbites
- Help close anterior or lateral open bites by preventing tongue thrusts
- Achieve minor overjet correction



Before

After

Labial Acrylic

Extending into the gingival embrasure areas and/or above the heights of contours and working in conjunction with posterior seating springs, the labial acrylic provides retention and control. The acrylic is molded around the labial bow and the teeth in their ideal relationships as determined by the set-up. It is powered by the labial wire and loops which also provide an easy means of activation.



Seating Springs

Seating Springs are retentive clasps of stainless steel that are molded into the Perfector at fabrication. They aid initial seating of the Perfector and help with retention. They are most often positioned mesial to the first molars, and feature smooth, protective, ball-shaped ends to facilitate slipping around the contact points of posterior teeth without harming enamel. Seating Springs exert desired tooth moving forces even while the patient relaxes or sleeps. Bending the springs mesially or distally can increase or decrease space closing forces in the Perfector.



Molded Airways

If necessary, three rectangular anterior airways can be built into the Perfector to accommodate patients with nasal blockages. When airways are built into the appliance, the freeway space must be at least 2 to 3mm (.079" to .118").



Spring Aligners

Spring aligners correct and retain minor incisor irregularities such as simple crowding and rotations if relapse occurs after treatment. Originally developed for lower anterior relapse, the appliance has evolved to include upper designs as well. To create the appliance, labial and lingual acrylic is formed over .026" stainless steel wire that has been activated to align the anterior teeth. Available in Pastel Palates.

Procedure

Teeth are first repositioned on a partial set-up. The appliance is then constructed over the set-up. Mesial-distal stripping of the teeth is usually required before placing the Spring Aligner to facilitate movement and prevent further relapse. More severe anterior corrections may require two Spring Aligners in sequence. The first is made on a partially corrected set-up, the second on the set-up after the teeth have been reset into ideal relationships. Both appliances can be made initially or the set-up returned after the patient's teeth have been partially corrected.

Prescribing the Set-Up

Send a recent model along with our special prescription form indicating which teeth are to be reset. (Normally all anterior teeth except the canines are included in the wax set-up). If mesial-distal tooth reduction is not done before model is made, indicate the amount teeth are to be reduced. The set-up will be returned with the appliance to aid in presentation and patient education. If desired, the impression can be double-poured or a duplicate model can be made to provide a control model for future reference.



Standard Spring Aligner

The smallest Spring Aligner design for patient acceptance and comfort. Used for limited correction, it is the least retentive Spring Aligner. Available for upper and lower arches.



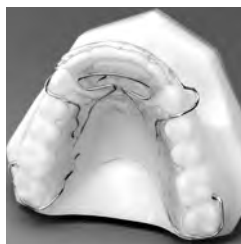
Spring Aligner with Wire Extensions

Lingual wires extend distal to second bicuspid or first molars for added retention. Works well for minor anterior crowding correction. Available for upper and lower arches.



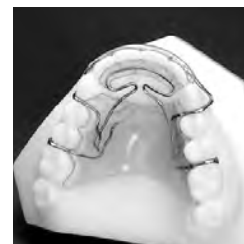
Spring Aligner with Acrylic Extensions

Acrylic extends distal to second bicuspid for total adaptation to lingual surfaces. Extensions may vary to accommodate need. Provides only limited crowding correction. Available for upper or lower arches, with or without Ball Clasps.



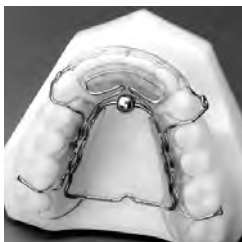
Upper Spring Aligner — Plus 1

Advanced design for additional anterior control and improved retention. Lingual anterior spring adds subtle forces. "L" clasps extend into molar interproximal areas.



Upper Spring Aligner — Plus 2

The difference between Spring Aligner Plus 1 and 2 is the retention clasp. Anchor clasps are standard on Spring Aligner Plus 2 appliances. Other clasps may be requested.



Upper Spring Aligner — Plus 3

Helix in "V" loop for greater flexibility. Open palate helps discourage tongue thrust. May also be designed with a habit roller ball as shown for correction of severe tongue thrusts.



Lower Spring Aligner — Plus 3

Helix in "V" loop for greater flexibility. Optional reverse "V" loop in labial wire is very effective for closing anterior space. Occlusal rests may be included if desired.

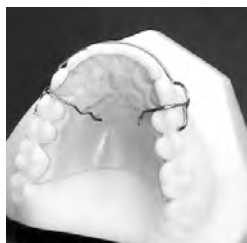


Spring Aligner/Hawley

Labial acrylic with lingual acrylic helps maintain rotation corrections.

Hawley Retainers

Basic Hawley retainer designs most often include a labial bow, an acrylic plate and a set of clasps on the upper first molars for retention (lingual acrylic on the lower arch is generally accompanied by occlusal rests or some type of clasp). The number of accessories that can be added to a Hawley are endless.



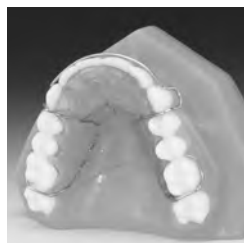
Hawley with Soldered "C" Clasps

"C" Clasps provide positive retention.



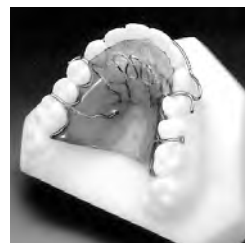
Hawley with Adams Clasp and Expansion Screw

Activate screw to move tooth labially.



Hawley with "C" Clasp and Finger Spring

Clasp used on well erupted molars when heavy occlusal interference is a concern. For minor correction.



Hawley with Tongue Thrust Guard, Anchor Clasps and Soldered "C" Clasps

Discourages tongue thrust habit.



Hawley with Ball Clasps

Most basic of Hawley retainers. Ball clasps require adjustments to maintain retention.



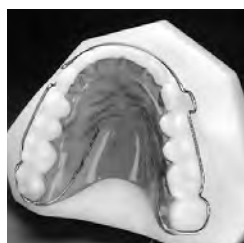
Hawley with Anterior Expansion Screw, Lingual Acrylic and Adams Clasps

Screw expands lower arch.



Hawley with Ricketts[®] Bow, Occlusal Rests and Micro Screw

Micro screw moves left lateral labially. Finger spring could be used as well.



Hawley Wrap Around

Labial wire extends around distal of last molar for maximum space closing. No occlusal interference with this design, however fully erupted second molars are important.

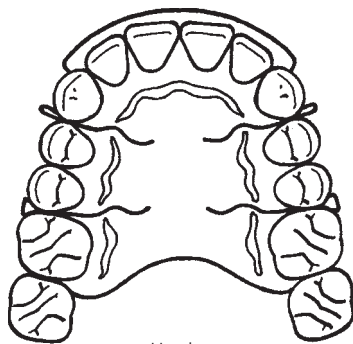
Removable Appliances

Removable appliances are typically used to retain final tooth position after fixed orthodontic appliances have been removed. A retaining appliance should securely retain each tooth in its new position to prevent relapse. Removable appliances also permit the use of a wide variety of labial bow designs, clasps, acrylic designs and other components too numerous to mention.

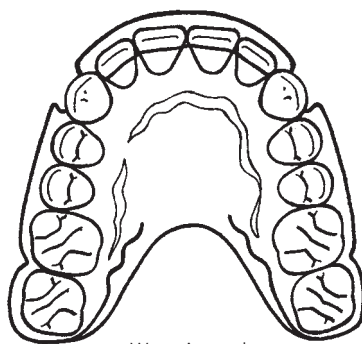
If you have a special treatment goal to accomplish, feel free to discuss your thoughts with one of our experienced technicians. They will assist you with a retainer design to achieve your objectives.

Labial Bows

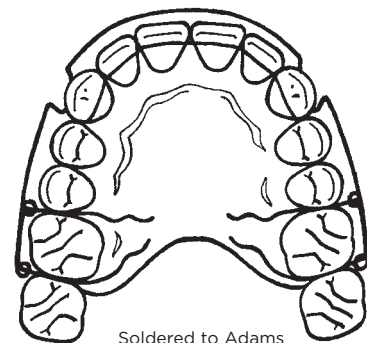
Labial bows are a customary design element of the removable retainer. Upper and lower retainers usually have a labial bow constructed from .028" or .030" wire. Labial bows are most often used for retention, although they can also provide minor tooth alignment or improve anterior protrusion. A few designs are shown below.



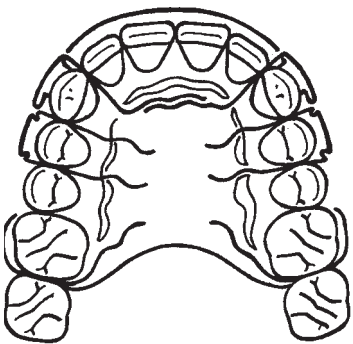
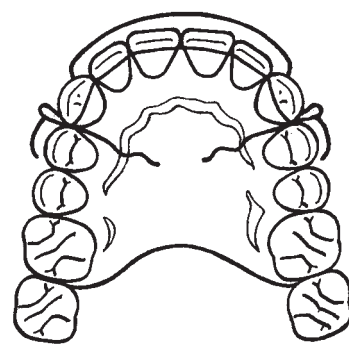
Hawley



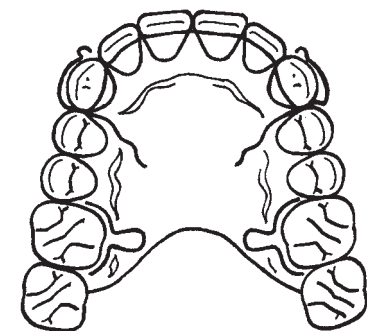
Wrap Around



Soldered to Adams

Ricketts[®]

With Soldered "C" Clasps



Elastic Hooks

Clasps

Adequate retention is of great importance to the effectiveness of a removable appliance. When selecting clasps, it is important to consider occlusal interference, the degree of tooth eruption and the shape and inclination of the teeth.

[§] Ricketts is a registered trademark of RMO. TP Orthodontics, Inc. does not imply authorization nor endorsement by RMO.

Clasps and Accessories



"C" Clasp

Often used on well-erupted molars and bicuspid when heavy occlusal interference is a concern. Requires adjustments to maintain proper retention.



Ball Clasp

Normally placed between posterior teeth for excellent retention. Requires adjustments to maintain proper retention.



"L" Clasp

Often used in tight occlusal contact cases. Usually contours around distal of last molar and locks in the interproximal. Eye design at contact points provides good stability.



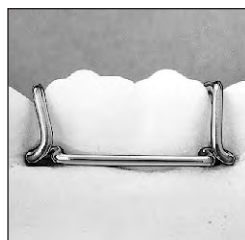
Modified "L" Clasp

Provides greater retention when molars are not fully erupted. Generally placed between bicuspid and molars. Eliminates need for cross-over wire.



Adams Clasp

Excellent clasp for most appliances when tooth is erupted enough to expose the buccal undercuts. Cross-over wires must fit tightly in interproximals to prevent occlusal contact. Not recommended for tight occlusal contact cases.



Modified Adams Clasp

Feet are designed to fit snugly at buccal interproximal contacts for added retention.



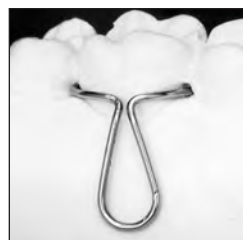
Long Modified Adams Clasp

Encompasses two teeth (such as a second bicuspid and first molar) for additional retention.



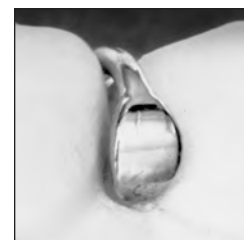
Eye Clasp

A stable interproximal clasp with a broader eye than the Anchor Clasp to provide greater contact on crowns. Slightly adjustable.



Lingual Clasp

An adjustable clasp formed snugly to lingual of bicuspid or molar crown at the gingival contour. Provides excellent retention even on primary teeth or on short clinical crowns.



Anchor Clasp

A stable, snug fitting, adjustable clasp placed at the interproximals of first and second bicuspid or bicuspid and molars.



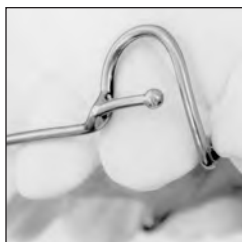
Occlusal Rest

Provides posterior stability and keeps the appliance from overseating or impinging on gingival tissue.



Cuspid Stop

Maintains space and prevents crowding by prohibiting cuspids from moving mesially.



Elastic Hook

Small hooks soldered to mesial of Hawley loop provide attachment for elastic to be stretched across labial surfaces of anteriors for space closure or lingual movement.



Finger Spring

Can move a tooth labially or buccally. With proper positioning and adjustment, can correct minor rotations of central or lateral incisors.



Coil Spring

Design varies to accommodate uprighting teeth, opening or closing space or distalizing individual teeth.

Memory Retainers (Memo-Rets)

Memory Retainers or “Memo-Rets” are passive retainers worn after orthodontic treatment. Their design gives them a “memory” that becomes active the moment relapse occurs. They can be activated in the anterior or posterior regions to return teeth to their post treatment positions.

General Design Features

Flexibility in the anterior and posterior regions are the major features of these appliances. “V” loops on the labial wire have a helix for greater flexibility. Helixes may be requested in the lingual spring. During the fabrication of lower Memo-Rets, it is not necessary to block out undercuts. The unique flexibility of lower Memo-Rets allows the appliance to be squeezed together during placement. When released, it fits snugly against soft tissue.

To maximize patient comfort, upper appliances do not have full palatal acrylic. All appliances can be fabricated for the upper and lower arches with the exception of Memo-Ret 6, which is only effective on the upper. The letter “B” following the name on any appliance means there is no acrylic covering the lingual spring.

Options

Cuspid Guards may be requested to prevent cuspids from moving buccally and mesially. Cuspid Stops prevent cuspids from moving mesially to maintain space and prevent crowding.



Memo-Ret 1

Corrects minor anterior and posterior relapse. Optional cuspid guards prevent cuspids from moving buccally or mesially. Can eliminate acrylic on lingual spring for deep bite cases. Available for upper and lower arches.



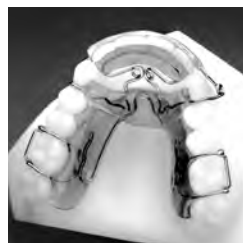
Memo-Ret 2

This design creates stiffer flexibility due to the heavy wire at the base. More comfortable to wear in the lower arch when a high tongue muscle is present due to the absence of the helix used in the Memo-Ret 1.



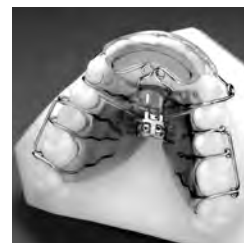
Memo-Ret 3

Wires do not cross the contact points. Labial section is soldered to the special “L” clasps. Occlusal rest on the first molar. Optional helixes on the lingual spring improve flexibility when cuspids are to be brought buccally. However, incorporation of the cuspids in set-ups for this retainer is not suggested.



Memo-Ret 5

Designed for major relapse. Activate in the posterior region by cutting the acrylic distal to the cuspids. If relapse only occurs on one side, this side may be cut, leaving the opposing side solid. Horizontal wire is easily activated.



Memo-Ret 6

Recommended when relapse in the posterior area is already present and you wish to work with screws while using a lingual multi-purpose spring behind anteriors. After expansion, the appliance may be used as a retainer in its passive state.

Fixed Space Maintainers / Regainers



Fixed 3-to-3 Lingual Arch

Very stable appliance to maintain anterior arch form and cuspid width.



Fixed Bicuspid to Bicuspid Lingual Arch

Maintains anterior arch form and aids in controlling cuspid rotation. Designs are also available for direct and indirect bonding.



Fixed 6-to-6 Lingual Arch

Maintains and rounds out anterior arch form. May also be contoured to lingual surfaces. Also available with loops.



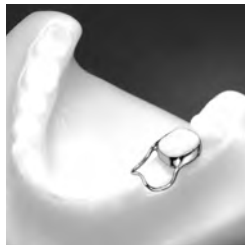
Fixed Transpalatal Arch

Excellent appliance to maintain acquired expansion. Stable yet comfortable. Does not interfere with normal speech. May also be designed with an omega loop instead of a solid transpalatal bar.



Nance Appliance

Prevents mesial molar drift while the large acrylic button in the palate provides additional stability. Facilitates rotation or expansion of molars. May be designed as a fixed or removable appliance with or without loops.



Band and Loop Space Maintainer

Often used in mixed dentition cases to maintain space to allow for eruption of a permanent tooth. May be designed for unilateral or bilateral treatment.

Habit Appliances



Bluegrass Appliance

Corrects thumb sucking when patient is directed to turn roller with tongue rather than sucking thumb. Should be worn for about six months to ensure the habit has been broken. This appliance is particularly useful for mixed dentition cases. Roller available in ceramic or teflon. Appliance may be direct bonded. Designed by Dr. Bruce Haskell and Dr. John Mink.



Thumb Crib

The wire cage serves as a reminder to discourage thumb sucking. Also may be used as a tongue thrust appliance by extending the wires incisally to prevent habit.



Tongue Rake

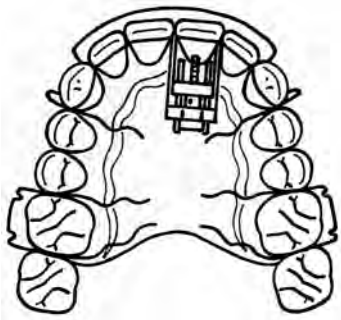
More aggressively designed habit appliance, sometimes termed a "Severe" Tongue Rake. Used to discourage tongue thrust by making it as uncomfortable as possible. The number and size of tongue rake wires may vary as requested. Not to be used for mentally challenged patients. Available with grill and ball tips.

Expansion/Arch Development Appliances

Arch development appliances are used to gain both arch length and width. Properly designed expansion appliances can move teeth on either side of the arch unilaterally or bilaterally. They may be used to develop immature premaxillas or relieve posterior and anterior crowding. Most lateral expansion appliances are used to treat crossbites, crowding or excessive overjet in patients with Class I or mild Class II skeletal patterns.

Expansion Screws

The following expansion screws are used for various types of tooth movement and arch development.



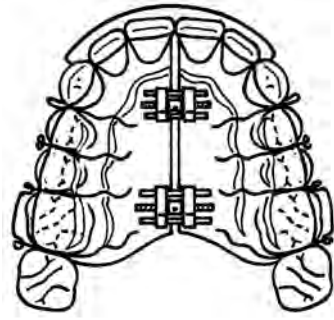
Single Tooth

For movement of one tooth.



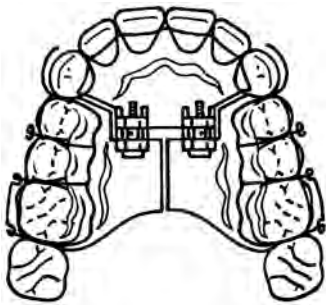
Micro Screw

Has a spring-loaded tip to move one tooth.



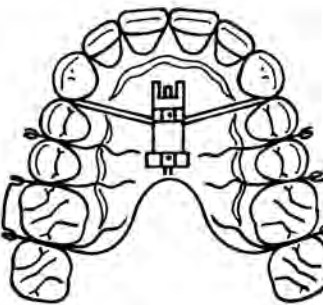
Transverse

Expands anteriors and posteriors laterally.



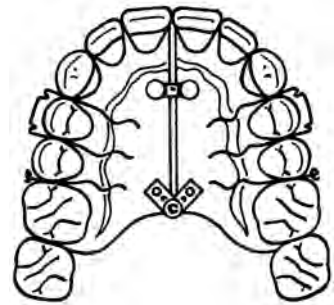
Sagittal

Produces anterior/posterior movement. Can add midline screw to expand arch width. Screws may be placed in various positions and acrylic cuts may vary according to application.



3-Way

Expands anteriors labially and posteriors transversely.



Fan Type

Used when only anteriors need to be expanded. Can be reversed to only expand posterior segments.

Expansion/Arch Development Appliances



W Arch

Used to correct unilateral or bilateral crossbites, expand posterior segments and align crowded teeth. Can also be designed with coils or as a Porter (removable) appliance.



Upper Fixed Quad Helix

Expands unilateral or bilateral crossbites and aligns crowded teeth. Must be activated intraorally with a three-prong plier.



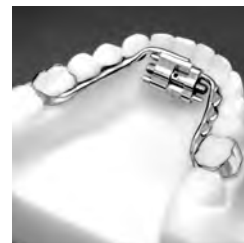
Upper Removable Quad Helix

Removable for extraoral adjustment. Vertical sleeves are welded on the lingual of the first molar bands. This dual-use appliance can expand unilaterally or bilaterally and align crowded teeth when activated with a three-prong plier.



Lower Removable Quad Helix

Multipurpose appliance that may be used to correct unilateral or bilateral crossbite, expand posterior and align crowded teeth by adjusting with a three-prong plier.



Hyrax Appliance

Design may vary to include contoured lingual acrylic or solid lingual wire. In certain applications, contoured lingual acrylic is desired to apply force at the root base as opposed to the lingual crown areas.



Hygienic Rapid Palatal Expander

Precision screw provides maximum expansion for sutural separation. Palatal support wires are soldered to bands. May also be designed with bands on molars and a soldered lingual loop to the mesial in the event the first bicuspid are not fully erupted.



Bonded Rapid Palatal Expander

May serve as a dual purpose appliance by holding the bite open while accomplishing expansion of the maxillary arch. Sometimes used as a removable expansion appliance when applicable. Often used on mixed dentition cases when bicuspid are not present.



Haas Rapid Palatal Expander

Popular appliance for placing force on the root base as well as the teeth to aid in splitting the suture.



Three-Way Sagittal

Very functional appliance which enables the clinician to split the suture and advance the maxillary anteriors with one combined appliance. The acrylic aids in placing a force at the root base and not solely on the lingual of the crowns.



Two-Way Sagittal

Gain needed arch length by activating the expansion screws placed on both sides of the arch. May be used for molar distalization by moving the screws distally. Solid clasping is important with this appliance.



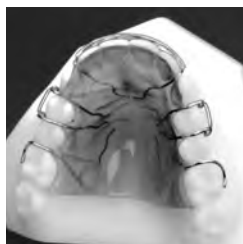
Three-Way Sagittal

Popular appliance for placing force on the root base as well as the teeth to aid in splitting the suture.



Nord Appliance

Particularly useful for correction of a unilateral crossbite. Designed with smooth posterior bite plane on side to be expanded, and an acrylic lock with extended lingual shield on opposing side.



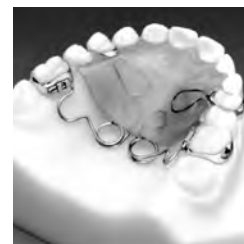
Cetlin or ACCO Appliance

Designed to distalize molars while maintaining position of anteriors. Creates space to resolve crowding and reduce the need for extractions. The ACCO relies on extraoral force applied by the use of headgear. Cetlin does not include headgear loops.



Greenfield Molar Distalizer

Nickel titanium springs distalize molars. Stability is provided by the large Nance button. Patient compliance is assured due to bands. May be activated for additional distalization of molars by placing 2mm Crimpable Spacers.



Pendulum Appliance

Employs the use of a large Nance button for anchorage and .032" TMA wire. Springs provide light continuous force on the first molars. For additional selections of single arch molar distalizing appliances, refer to the Cetlin or GMD appliances.

Expansion/Arch Development Appliances



"E" Appliance

Also referred to as a continual force control (CFC) appliance. A compressed open coil spring forms the basis of this appliance, with tubing and ET wire soldered to the lingual of opposing molar bands. Design may vary by clinician request. Developed by Dr. James McAndrew.



Three-Way Expander

Gives both sagittal and transverse expansion. Posterior segments operate individually to give independent segment expansion.



Two-Screw Schwarz

Popular for expanding the cuspid area to relieve anterior crowding. Claspings as illustrated is recommended for stability. Available for upper and lower arches.



Jackson Appliance

Develops the arch transversely. Contains a heavy body wire to provide a steady spring action against the lingual of the posteriors. Auxiliary wires are placed to provide cuspid expansion and labialize the anteriors. Also available for the upper arch.



Crozat Appliance

A very aesthetic, lightweight appliance that allows a variety of designs for expansion and arch contouring. Offers good retention and is easily adjusted extraorally. Also available for the upper arch. Designs may vary significantly. A sketch on the prescription sheet is recommended when ordering.

Splints



Gelb Splint

Lower splint used to reposition the mandible for TMJ disorders. Splint provides occlusal coverage of the lower teeth. An imprint of the upper posterior teeth is established with the aid of a protrusive wax bite. Ball clasps are generally placed distal to the bicuspid.



Clear Splint with Flat Occlusal Plane

May be used as a bruxism splint or TMJ splint, depending upon design. May include ball clasps or imprint of the opposing arch if desired. Also available for the upper arch.



Soft or Hard Splint

Can be used as a TMJ splint, night guard, bruxism splint or for sleep apnea when the lower arch is included and mounted in a protrusive position.



Night Guard

May be used for bruxism or as a TMJ splint, with or without AP lock (a minor imprint of the opposing arch in the acrylic). Available in various materials and designs.



Braided Wire Splint

Provides continuous forces for an extended period of time. Aesthetic and low profile. Promotes good oral hygiene.



Bonded 3-to-3 Lingual Arch

Aids in maintaining anterior arch form. Aesthetic and hygienic. May be indirect bonded. Available for upper and lower arches.



Bond-A-Bar

Used to stabilize anteriors when mobility is present due to loss of alveolar bone or in the case of injury suffered in an accident. Smooth, low profile for patient comfort.



Invisible Retainer

An aesthetic means of retention. Used as a retainer; sometimes applied to make minor anterior correction when teeth are reset on the set-up prior to appliance construction.

Functional Appliances

There are a number of patients whose malocclusions entail more than the position of teeth alone. Often, there are orthopedic discrepancies and muscular dysfunctions as well. Functional appliances are most often used in the treatment of growing individuals to affect the development of muscle, bone and dentition simultaneously. They promote the interruption of abnormal internal or external influences and facilitate the normal expression of harmonious functional patterns. Inhibiting factors are removed and structural harmony can be achieved.

Functional appliances do not act on teeth like conventional appliances through the use of springs, wires and elastics; rather, they transmit, eliminate or guide natural forces such as tooth eruption, growth and muscle activity from the tongue, lips and cheek.

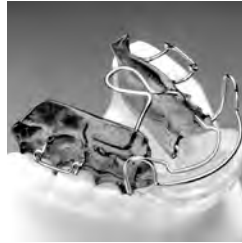
Additional functional appliances that are available but not pictured include:

- Woodside Activator
- Teuscher Activator
- LSU Activator
- Hamilton Expansion Activator
- Lehman II a
- Lehman II b
- Bruner Headgear Activator
- Herman van Beek Headgear Activator



Rick-A-Nator

May act as a removable anterior bite plane, lingual anterior arch form appliance and as a removable Nance appliance when designed as such. It is virtually undetectable from an aesthetic point of view and may be worn 24 hours per day.



Orthopedic Corrector

Opens bite for Class II correction. Two side screws to gradually advance mandible anteriorly. One anterior expansion screw increases arch width. The Orthopedic Corrector I increases the vertical dimension in deep bite cases, while the Orthopedic Corrector II closes open bites.



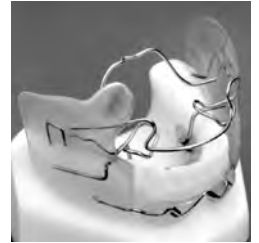
Bionator I

Opens bite for Class II correction. Allows individual posterior teeth to be erupted independently. Midline expansion screw opens contact points between posterior teeth for easier posterior eruption.



Bionator II

Closes bite for Class II correction. Labial bar prevents anteriors from tipping labially. Includes midline expansion screw for arch development when necessary. Adams clasps can be used on the upper or lower.



Fränkel I

Corrects overcrowding in Class I cases and reduces the overbite and overjet in Class II, Division 1 cases. External muscle pressure is eliminated by the vestibular shields. Promotes transverse arch development dentally and skeletally.

Also available, Frankel II, III, IV and V.

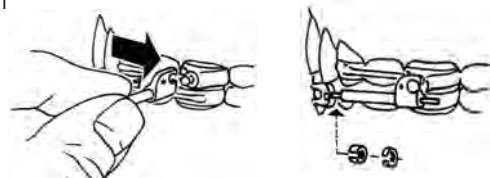
Flip-Lock® HERBST® Appliance

At TP Orthodontics, we eliminated pins, screws and springs to create the Flip-Lock HERBST.

Simple in design, our Flip-Lock HERBST provides easy activation, extensive range of motion and free lateral mandibular movement for increased patient comfort. Its unique design ensures normal chewing, swallowing, speech and breathing — which, in turn, lead to better treatment compliance.

Easy to fit, the Flip-Lock HERBST activates in seconds because of its patented locking mechanism. Mandibular growth is facilitated by the use of crimpable spacers. Regular office visits are shorter because you no longer need to remove tubes and pistons with each modification.

- No screws or pins
- Easy activation in seconds
- Wide range of lateral mandibular movement
- Quick appliance adjustments
- Significantly reduced breakage
- Single patient and inventory kits available
- Average treatment time is twelve months



Type I HERBST

Crown first molars, mandibular cantilever.

Indications for use:

1. Retrognathic mandible in the mixed dentition.
2. Young, non-cooperative patient.
3. High angle, Class II, open bite malocclusion.



Type II HERBST

Crown maxillary first molars and mandibular first bicusps. Band mandibular first molars.

Indications for use:

1. Complete permanent dentition.
2. Improved patient comfort with less cheek irritation.
3. Low angle, Class II, deep bite malocclusion.



SAL® Retainer System

Self-Activating Loop

Never reactivate retainers or Spring Aligners again.

- Continuous activation
- Minimize relapse
- Improve long-term stability
- Capable of re-aligning anteriors
- Decrease chairtime: no adjustments needed; fewer retention checks; earlier dismissal

The SAL Retainer System is a patented combination of shape memory nickel titanium wire and easily adaptable stainless steel wire. Nickel titanium loops provide shape memory and maintain long term activation of the labial bows, while long, straight segments are made of easy-to-bend stainless steel.

Ordinary Hawley retainers and Spring Aligners have labial bows formed from stainless steel wire that require periodic tightening. If not reactivated on a regular basis, the decrease in force frequently results in anterior relapse.

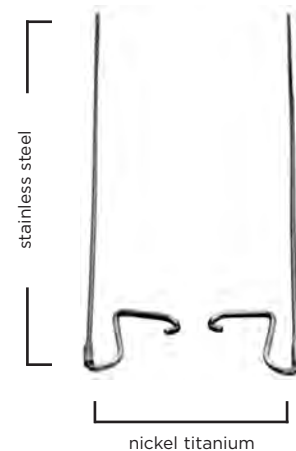
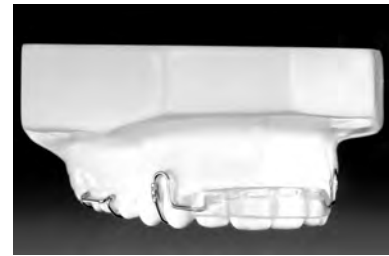
The SAL Retainer System, on the other hand, guarantees indefinite activation, resulting in less relapse and longer intervals between retainer checks. The SAL Retainer System makes it possible to dismiss patients earlier because long-term stability can be established sooner and maintained longer.

More than a retainer, the SAL Retainer System can generate minor tooth movement. By incorporating the SAL System into a Spring Aligner or Hawley retainer, it is possible to close slight spaces, correct anterior rotations and adjust buccolingual discrepancies.

To fabricate your own appliance, the SAL Retainer System is available in packages of 10 loops (5 right and 5 left).

392-000 Long loop for long maxillary clinical crowns

392-001 Short loop for standard applications



Varsity Guard®

A Custom-Made Mouthpiece— the Best Protection Possible for Athletes

Concerned coaches and dental clinicians recommend custom-made mouthguards for protection and comfort. Varsity Guards can dramatically reduce injuries to the mouth and mandible and prevent traumatic shock to the head and neck.

To obtain a Varsity Guard, take upper and lower impressions. Pour the impressions in dental stone and mark the models to identify correct centric occlusion. Or, if you prefer, send us impressions and a wax bite. We'll pour the models for a small additional charge.



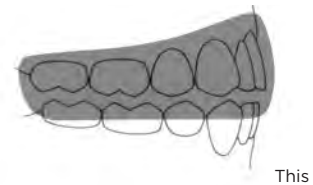
Unmatched Protection and Comfort

Because the Varsity Guard is custom-made, all cusps are in full contact with the guard. The impact of any blow is evenly distributed over all teeth in both arches. The flange height on the upper arch, along with individual tooth sockets, offer full protection for maxillary teeth. The mandible cannot be forced laterally when biting into the cusp indents of the lower arch.

Jaws are oriented in proper rest position for maximum comfort.

Optimum Retention

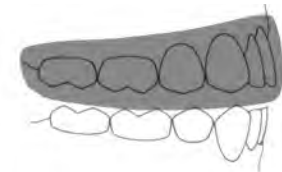
The upper flange height extends gingivally 2-2.5mm (.079" - .098") for positive retention. Precision Seating Springs (see page S9) are also available in Varsity Guards, at additional cost, for added retention.



This

Durability

The Varsity Guard is made of the same quality material used in making TP Orthodontic Positioners. It resists bite-through and normal deterioration.



Not This

Convenience

A convenient, sturdy safety strap for fastening to a football face guard is attached to the Varsity Guard. Athletes who do not need this safety feature can simply cut the strap. Each athlete is also furnished with a personal carrying case for their appliance.

Economy

The expense of a custom Varsity Guard is quite low in relation to other equipment purchased for athletic competition, and is more than justified in terms of preventing pain and possible permanent injury. The high quality material assures long life of the appliance. Often one guard will serve an athlete for an entire career.

Regulation Yellow

If requested, TPO can fulfill the NCAA regulation that requires appliances to be made of a bright yellow material.

Indirect Bonding

Splints

Indirect Bonding is provided for Lingual Bond-A-Splint® Retainers, Bondable Lingual Retainers and Lingual Periodontal Splints (Bond-A-Bars).

Send a model of the patient along with a completed Indirect Bonding prescription form. When possible, TPO will select a preformed appliance to fit the model.

If the patient's requirements dictate that a standard appliance cannot be used due to missing or irregular size teeth, a custom appliance will be fabricated.

You will receive your original model and the prescribed appliance in a transfer tray to cover the lingual surface of the appliance, including the incisolingual surfaces of the teeth. Please mark the appropriate tray type on the Rx sheet — Optisil or clear tray for light curing.



Maxillary Custom Lingual Retainer



Bond-A-Splint Retainer



Bond-A-Bar



Bondable Lingual Retainer



Brackets

Detailed impressions or a model poured in high quality stone should be sent along with any special instructions indicated on the prescription form.

TPO offers all our bracket systems with our indirect bonding system.

Brackets will be positioned at recommended heights unless indicated otherwise.

Bondable molar tubes can also be included with indirect bonding cases, as it makes placement in this difficult area more accurate.

TPO is not responsible for bond failures when using indirect bonding.



Model Sculpture Service

TP Orthodontics is completely equipped to do the finest study model work available. We offer several study model services to meet your requirements.

- American Board of Orthodontics (ABO)
- Presentation or demonstration
- Study group
- Table clinic
- Parent / patient consultation

Prescription submission can be done by sending impressions, plaster models or STL files. Unless otherwise indicated, we will employ Tweed Foundation specifications in trimming your models. You may request special trimming instructions or additional services. Send impressions or models and wax bite packaged according to the instructions on page S31.



Digital Models

With your digital model STL files, we can print precision study or work models. You have flexibility over fabrication options. We can print a full set of work or study models, with or without a base. The model base style and height can also be specified.

American Board of Orthodontics (ABO) Study Models

We specialize in highly detailed ABO quality study models. We keep up-to-date with ABO criteria and standards for study model fabrication for the clinical exam. Your models will be trimmed to exact bite relationships, then hand sculpted. This sculpting will carefully blend the anatomical tissue to the model base. We will remove any unwanted blemishes caused by voids or air pockets in the impression while taking care not to damage any soft tissue detail.

Service A

Finished Model from Impressions

The model is trimmed to exacting standards, sculptured, filed, finished, soaped and polished. The patient's name is imprinted on the back.

Service B

Duplication of poured anatomy to create new model with bases

If a bite is not available, please mark pencil lines on the midline and molars to assure proper articulation. Bases are not required and may be omitted to reduce weight and save postage costs.

TPO will duplicate the arches, add bases, finish, file, soap, polish and imprint the patient's name on the back. The original arches and the new model will be returned.

Model Sculpture Service

Finished Model from Impressions

Service G

Similar to Service A except bases are not trimmed to exacting ABO or Tweed Foundation standards. Minimal sculpturing. Economical while still providing a quality finished and soaped model. Patient's name may be imprinted on back of model if requested.



Unfinished Model from Impressions

Service F

This economical model service permits fast return of models when time is an important factor. This is also an inexpensive way to create progress models.

Send TPO an alginate impression and wax bite to receive an unfinished model with fine trimmed bases. Patient's name may be imprinted on back of model if requested.



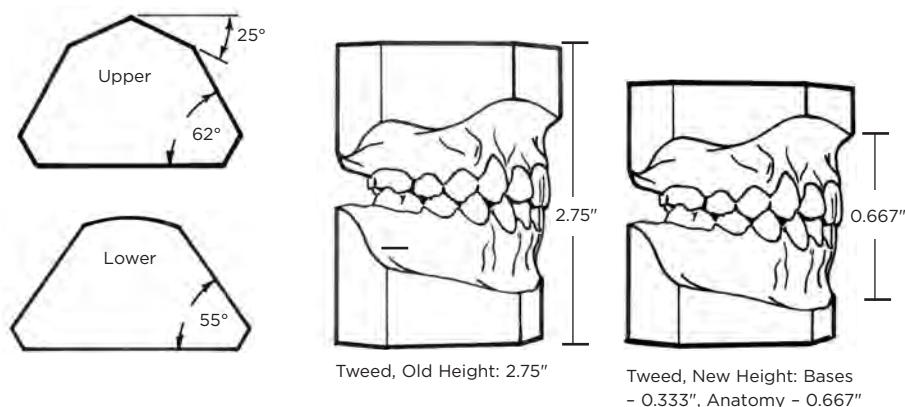
Tweed Foundation Standards

Unless otherwise indicated, TPO will employ the following Tweed specifications in trimming your models: Model height - 69.85mm (2.75"); upper model angles, 62° and 25°; lower model angle, 55°.

Models trimmed to the alternate Tweed specifications are also available. These specifications provide a model with the bases approximately one-third the height of the anatomical portion of the model. The angles employed remain the same as indicated above.

Please specify which Tweed standard and any other pertinent details you require. Thorough instructions ensure that your models will be processed quickly without delays.

To identify the correct occlusion, please include a wax bite with impressions or mark the buccal surfaces of the models with a pencil.



Preparing Impressions and Models

Whether you send models or impressions, check them for distortions or missing structures. If we feel a model or impression is distorted, we will call you to ask for new materials to be forwarded.

When it is necessary for brackets to be carved off the models before making the appliance, remove archwires before taking the impression to ensure precise tooth size. When carving is necessary, send plaster models rather than stone. For your convenience, TPO furnishes on request and with every shipment:

- Prescription sheets
- Heavy corrugated shipping box
- Polyurethane packing squares
- Mailing envelope for box
- Mailing label

Impressions

1. Use an impression tray that is deep enough for good anatomical detail, such as TPO's Extend-O® Trays.
2. Mix alginate impression material according to manufacturer's exact specifications.
3. Include a wax bite.

Models

1. Use stone or white plaster, follow the recommended mixing ratios and mix with a mechanical spatulator.
2. Vibrate the plaster into both the impressions and base formers to eliminate air bubbles.
3. Pour bases and anatomical portions from the same mix of plaster to eliminate cracks and two-tone effects.

Packaging Instructions

Impressions

1. Place moistened cotton rolls inside each impression without forcing.
2. Wrap each impression in several moistened paper towels.
3. Place wrapped impressions in separate plastic bags to retain moisture, ensuring the stability of impressions in transit.
4. Place each half in special divided shipping carton with completed prescription form and ship to TPO.

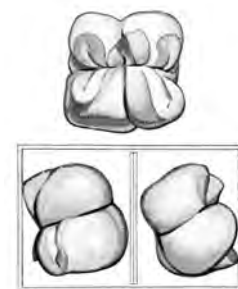
Caution: During winter months, use a small amount of alcohol mixed with water to dampen the packaging material to inhibit freezing and mail from a post office rather than a drop box.



Models

1. Wrap each half of the model in the special polyurethane square TPO provides and secure with a rubber band.
2. Place each half in the special divided shipping carton with prescription form and ship to TPO.

Caution: Place only one set of models in each shipping carton. Be sure that divider separates each half.



Appliance Design

Pastel Palates® Custom-Colored Appliances

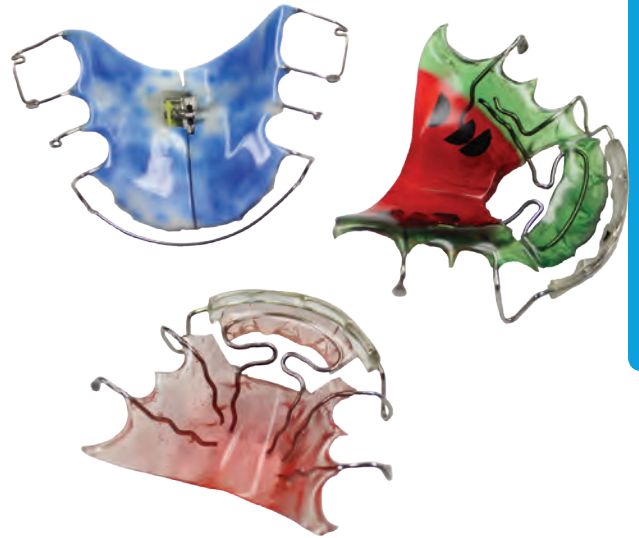
Pastel Palates custom appliances let your patients express themselves with their favorite colors or by adding glittering decorations to their acrylic appliances.

Patient cooperation is crucial to treatment success. Self-expressive Pastel Palates custom appliances from TPO make it easy to motivate your patients to wear their acrylic appliances.

Offer your patients exciting new color choices and let them express themselves. It's a great way to boost motivation.

Pastel Palates appliance colors are available for all acrylic designs.

Call TPO to request the Pastel Palates color selector guide.



Custom Appliance Decals

In addition to Pastel Palates appliance colors, your patients may want to choose custom appliance decals to express themselves.

There are over a hundred themes to choose from, including sports, hobbies, holidays, animals and various others.

Self-expressive custom appliance decals from TPO make it easy to motivate your patients to wear their acrylic appliances.

Custom appliance decals are recommended for appliances with larger areas of acrylic such as full palatal coverage. Decals do not show well in small appliances and patients may be disappointed.



Call TPO to request a decal selector guide.

Notes:

[illegible]

Visit us online at **tportho.com**