



TP ORTHODONTICS
CATALOG
SUPPLIES · CUSTOM APPLIANCES



TP Orthodontics, Inc.
tportho.com

TP Orthodontics, Inc.

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tportho.com
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**For distributor inquiries and authorized resellers,
go to tportho.com/resellers.**

Orthodontic Innovation Starts Here

TP Orthodontics offers some of the most innovative products and solutions available. From the original Tooth Positioner that inspired the concept of aligner treatment, to the latest in aesthetic brackets featuring *Personalized Color-Matching Technology*[®] brand brackets to exceptional finishing solutions, we strive to develop unique solution-based concepts in orthodontics.

TRUST THAT'S BEEN EARNED

When you choose TP Orthodontics, you can be assured the products used in your practice are designed for efficiency, dependability and overall patient satisfaction. That's how we built our reputation as one of the most trusted suppliers of quality orthodontic products and solutions – and the reason we've been at this since 1942.

UNMATCHED QUALITY STANDARDS

TPO maintains a worldwide Quality Management System that adheres to international standards and governmental regulations required for medical devices. This means you can be confident the products you receive from TP Orthodontics are held to the highest quality standards.

As the most experienced manufacturer in the industry, TP Orthodontics is a name you can trust.

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TP Orthodontics, Inc.

Bracket Prescription Reference Chart*

Maxillary Brackets

Technique	CENTRAL		LATERAL		CUSPID		BICUSPID	
	Torque	Tip	Torque	Tip	Torque	Tip	Torque	Tip
ClearVu® / InVu®								
Roth	+14°	+5°	+7°	+8°	0°	+8°	-7°	0°
MBT	+17°	+4°	+10°	+8°	0° and -7°	+8°	-7°	0°
Standard Edgewise (InVu only)	0°	0°	0°	0°	0°	0°	0°	0°
Tip-Edge® PLUS and PLUS SL™								
Ceramic and Metal	+12°	+5°	+8°	+9°	-4°	+11°	-7°	0°
Nu-Edge®								
Roth	+14°	+5°	+7°	+8°	0°	+10°	-7°	0°
MBT with Hook (.018")	+17°	+5°	+10°	+7°	0°	+7°	-7°	0°
MBT with Hook (.022")	+17°	+5°	+10°	+7°	0°	+5°	-7°	0°
MBT without Hook	+17°	+5°	+10°	+7°	-7°	+8°	-7°	0°
Bio-Tech .018"	+22°	0° and +5°	+14°	+8°	+7°	+5°	0°	0°
Nu-Edge Mini Roth	+14°	+5°	+7°	+8°	N/A	N/A	N/A	N/A
Nu-Edge Mini MBT	+17°	+5°	+10°	+7°	N/A	N/A	N/A	N/A
Nu-Edge Self-Ligating (SL)								
Roth	+12°	+5°	+8°	+9°	0	+11°	-7°	0
MBT	+17°	+4°	+10°	+8°	-7°	+8°	-7°	0

Mandibular Brackets

Technique	ANTERIORES		CUSPID		1ST BICUSPID		2ND BICUSPID	
	Torque	Tip	Torque	Tip	Torque	Tip	Torque	Tip
ClearVu® / InVu®								
Roth	-1°	0°	-11°	+6°	-17°	0°	-22°	0°
MBT	-6°	0°	0° and -6°	+3°	-12°	0°	-17°	0°
Standard Edgewise (InVu only)	0°	0°	0°	0°	0°	0°	0°	0°
Tip-Edge® PLUS and PLUS SL™								
Ceramic and Metal	-1°	+2°	-11°	+5°	-20°	0°	-20°	0°
Nu-Edge®								
Roth	-1° and -12°	0°	-11°	+6°	-17°	0°	-22°	0°
MBT with Hook (.018")	-6°	0°	0°	+3°	-12°	+2°	-17°	+2°
MBT with Hook (.022")	-6°	0°	0°	+5°	-12°	+2°	-17°	+2°
MBT without Hook	-6°	0°	-7°	+3°	-12°	+2°	-17°	+2°
Bio-Tech .018"	-1°	0°	+7°	+5°	0°	0°	0°	0°
Nu-Edge Self-Ligating (SL)								
Roth	0°	0°	-11°	+5°	-17°	0°	-22°	0°
MBT	-6°	0°	-6°	+3°	-12°	+2°	-17°	+2°

Straight-Edge®, Advant-Edge®, and Molar Tubes – see specific product pages.

*Information presented is accurate at time of printing. TPO reserves the right to improve, modify, or discontinue products at any time.

AESTHETIC BRACKET SYSTEMS

AESTHETIC BRACKET SYSTEMS

ClearVu®

- Mini, MBT
- Mini, Roth

ClearVu® with Pre-Coated Adhesive

- Mini, MBT
- Mini, Roth

InVu®

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

InVu® with Pre-Coated Adhesive

- MBT
- Roth

Tip-Edge® PLUS Ceramic

Tip-Edge® PLUS Ceramic with Pre-Coated Adhesive

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



297-495CV Bi-Dimensional Brackets with Hooks
 0.45 mm (.018") centrals and laterals with 0.56mm (.022") cuspids and bicuspids
 Kit contains 20 brackets.

MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

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

Package of 5

PRE-COATED PATIENT KITS

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



MBT is a registered trademark of 3M. 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.

ClearVu® Mini Ceramic Brackets

ROTH SYSTEM

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



297-490CV Bi-Dimensional Brackets with Hooks
 0.46mm (.018") centrals and laterals with 0.56mm (.022") cuspids and bicuspids
 Kit contains 20 brackets.

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

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anterior	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

Package of 5

PRE-COATED PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper & Lower 5-5	Cuspid/Bicuspid	297-406CVX	297-407CVX
Upper & Lower 5-5	Cuspid		297-414CVX

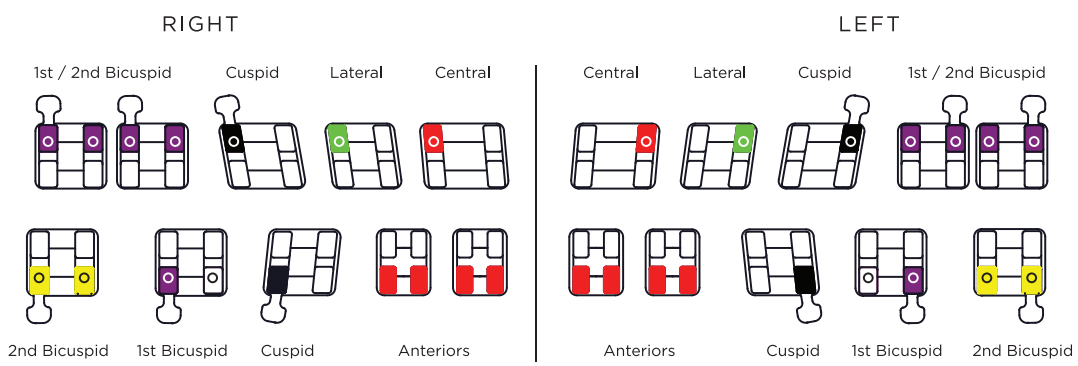


Compatible with the Roth system: not endorsed by Dr. Roth.

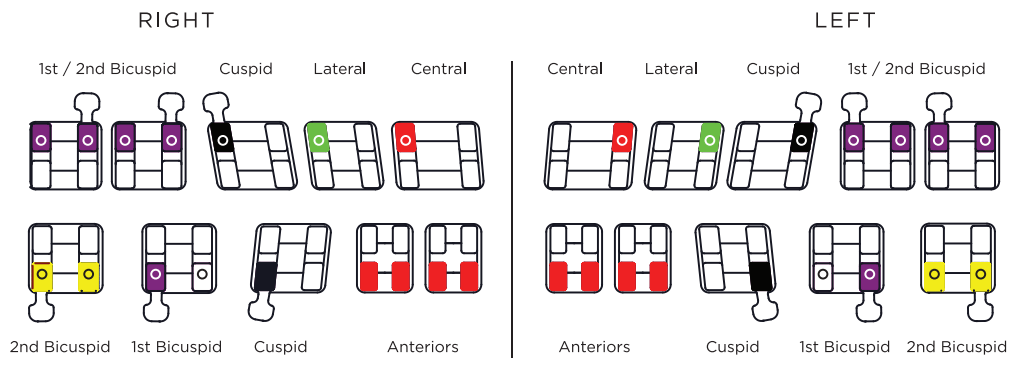
ClearVu® Ceramic Brackets

Bracket Identification Charts

MBT



Roth



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

800-348-8856

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 & 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



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

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anterior	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

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		297-193
Upper 5-5	Cuspid	297-194	297-196
	Cuspid/Bicuspid	297-400	297-401
	No Hooks		297-197
Upper & Lower 3-3	Cuspid	297-202	297-204
Upper & Lower 5-5	Cuspid	297-206	297-208
	Cuspid/Bicuspid	297-402	297-403



MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

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

Package of 5

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InVu® Mini Ceramic Brackets

ROTH SYSTEM

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 4-4	Cuspid		297-057
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



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

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable
Anterior	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

Package of 5

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

InVu® Ceramic Brackets

ROTH SYSTEM

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 4-4	Cuspid	297-122	
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



MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

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

Package of 5

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

800-348-8856

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 & Lower 5-5	297-964	297-965



MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

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

Package of 5

InVu® Ceramic Brackets

MBT MCLAUGHLIN, BENNETT, TREVISI SYSTEM

PRE-COATED PATIENT KITS – MINI

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 5-5	Cuspid/Bicuspid	297-408RBX	
Upper & Lower 5-5	Cuspid		297-308RBX



PRE-COATED PATIENT KITS

	With Hooks	0.46mm (.018") Slot	0.56mm (.022") Slot
Kits contain all ceramic brackets			
Upper 5-5	Cuspid/Bicuspid	297-400RBX	297-401RBX
Upper & Lower 5-5	Cuspid/Bicuspid	297-402RBX	297-403RBX

InVu® Ceramic Brackets

ROTH SYSTEM

PRE-COATED PATIENT KITS - MINI

	With Hooks	0.46mm (.018") Slot	
Kits contain all ceramic brackets			
Upper 5-5	Cuspid/Bicuspid	297-404RBX	
Upper & Lower 5-5	Cuspid	297-070RBX	



PRE-COATED PATIENT KITS

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

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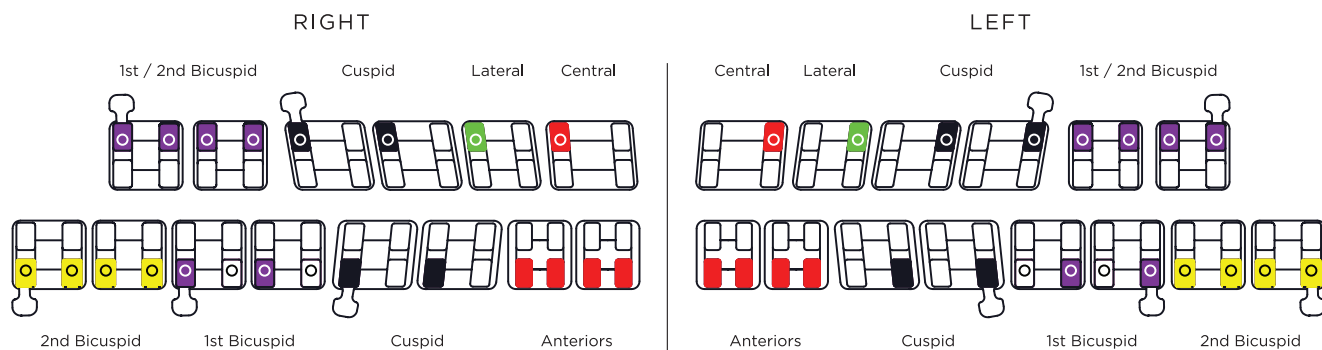
Compatible with the Roth system: not endorsed by Dr. Roth.

800-348-8856

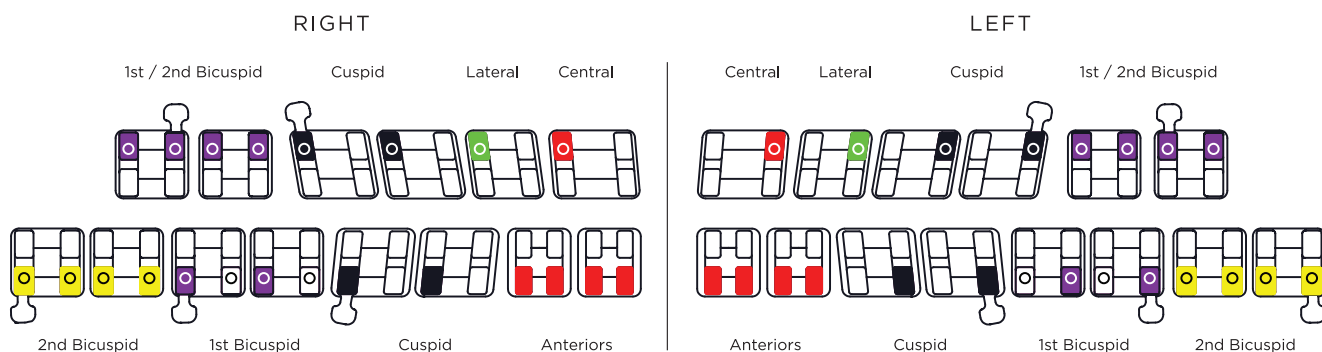
InVu® Ceramic Brackets

Bracket Identification Charts

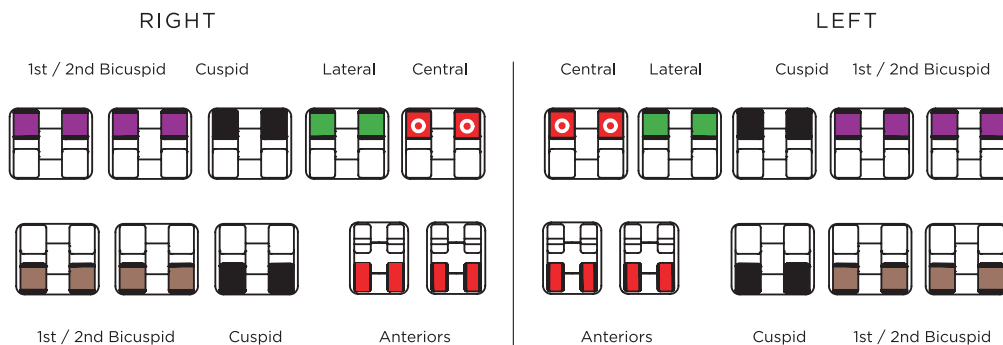
MBT



Roth



Standard Edgewise



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

Tip-Edge® PLUS Ceramic Brackets



PATIENT KITS

	Slot Size	Non-Oriented	Oriented Incisal Jig
Kits contain all ceramic brackets			
Upper & Lower 5-5	0.56mm		297-602
Upper 3-3	(.022")		297-598
Upper & Lower 3-3			297-599
Upper 5-5 Non-extraction			297-600
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	297-608	297-610
	(.022")		
Up. 5-5 Ceramic with Lo. 5-5 Metal Non-extraction	0.56mm		297-614
	(.022")		

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

MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

Anterior						
Torque -1°	0.56mm	L	297-633	297-647		
Tip +2°	(.022")	R	297-634	297-648		
Cuspid						
Torque -11°	0.56mm	L		297-651	297-667	297-673
Tip +5°	(.022")	R		297-652	297-668	297-674
Bicuspid						
Torque -20°	0.56mm	CCW	297-637	297-653	297-669	
Tip 0°	(.022")	CW	297-638	297-654	297-670	

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

Mandibular anteriors 3.5mm, cuspid 4mm, bicuspids 4mm.

Package of 5

PRE-COATED PATIENT KIT

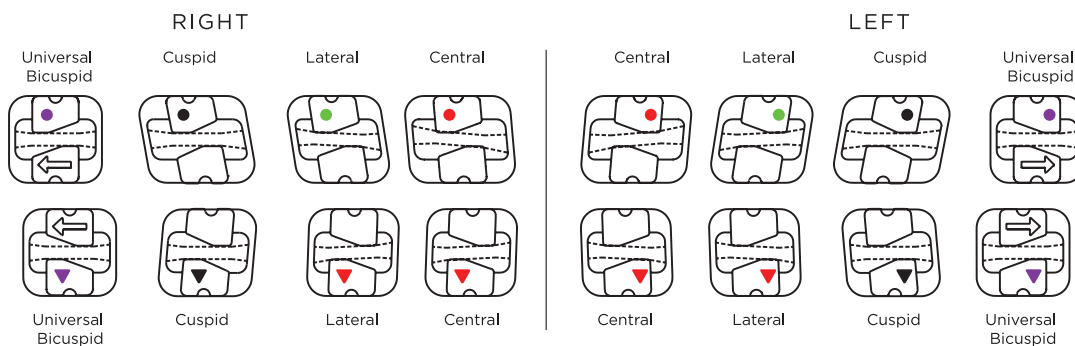
	Slot Size	Oriented Incisal Jig
Kits contain all ceramic brackets		
Upper & Lower 5-5	0.56mm	RB297-602
Non-extraction	(.022")	

Pre-coated
with eXact®
Adhesive

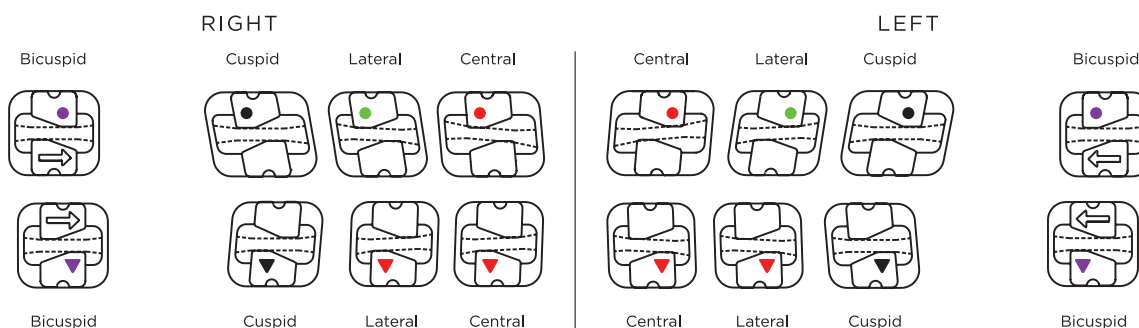
Tip-Edge® PLUS Ceramic Brackets

Bracket Identification Charts

Non-Extraction



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.

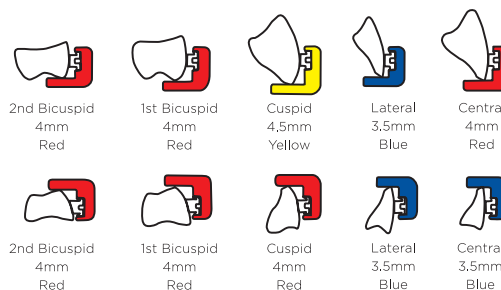
Positioning Jigs

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

METAL BRACKET SYSTEMS

METAL BRACKET SYSTEMS

Nu-Edge® Cobalt Chromium

- MBT and Mini
- Roth and Mini
- BioTech

Nu-Edge NX® with Pre-Applied Adhesive

- MBT
- Roth

Nu-Edge® Self-Ligating Mini

- MBT
- Roth

Tip-Edge® PLUS Stainless Steel

PLUS SL™ Self-Ligating Cobalt Chromium

Tip-Edge NX Stainless Steel with Pre-Applied Adhesive

Straight-Edge® II Stainless Steel

- Roth

Advant-Edge® Stainless Steel

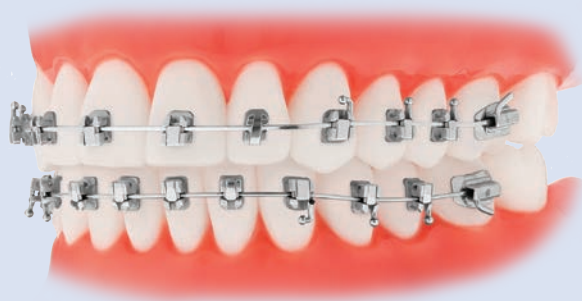
- Roth (with vertical slot)

Nu-Edge® Cobalt Chromium Bracket System

NU-EDGE TWIN BRACKETS

CoCr alloy for reduced friction;
stronger than stainless steel.

- Dependable twin design
- Vertical slot available
- Nickel-free brackets available for sensitive patients



NU-EDGE SELF-LIGATING BRACKETS

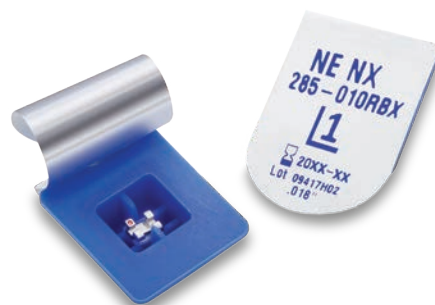
The proven performance of Nu-Edge brackets with a self-ligating design.

- Nickel-free for sensitive patients
- No special tools needed to open or close
- Maze base is designed for optimal bond strength
- Multiple ligation options

NU-EDGE NX® TWIN PRE-COATED BRACKETS

Pre-coated with eXact® adhesive for convenient placement right out of the package.

- Brackets set easily without sliding
- Minimal flash clean-up
- Reduced risk of contamination
- Optimal bond strength



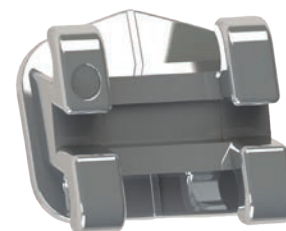
Nu-Edge® Cobalt Chromium Brackets

MBT MCLAUGHLIN, BENNETT, TREVISI SYSTEM

PATIENT KITS

Slot Size	With Hooks	Lower Bicuspids	
		Bicuspids Not Offset	Gingivally Offset
0.46mm (.018")	Cuspid		293-390
	Cuspid/Bicuspid		293-391
0.56mm (.022")	Cuspid		293-393
	Cuspid/Bicuspid	293-294	293-3942

Kits contain 20 brackets without vertical slot.



PATIENT MINI KITS

Slot Size	With Hooks	
0.46mm (.018")	Cuspid	293-380
	Cuspid/Bicuspid	293-381
0.56mm (.022")	Cuspid	293-383
	Cuspid/Bicuspid	293-3842

Kits contain 20 brackets.

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable	Mini Bondable
Central	0.46mm	L	293-3101	293-3861
Torque +17°	(.018")	R	293-3111	293-3871
Tip + 5°	0.56mm	L	293-3122	293-3882
		R	293-3132	293-3892
Lateral	0.46mm	L	293-3141	293-3961
Torque +10°	(.018")	R	293-3151	293-3971
Tip + 7°	0.56mm	L	293-3162	293-3982
		R	293-3172	293-3992
Cuspid with Distal Hook	0.46mm	L	293-3221	
Torque 0°	(.018")	R	293-3231	
Tip +7°				
Cuspid with Distal Hook	0.56mm	L	293-3242	
Torque 0°	(.022")	R	293-3252	
Tip +5°				
Universal Bicuspid wo Hook	0.46mm	L/R	293-3261	
Torque - 7°	(.018")			
Tip 0°	0.56mm	L/R	293-3281	
In/Out Comp. .027"	(.022")			
Universal Bicuspid w Distal Hook	0.46mm	L	293-3301	
Torque - 7°	(.018")	R	293-3311	
Tip 0°	0.56mm	L	293-3322	
		R	293-3332	
In/Out Comp. .027"	(.022")			

Package of 20

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Nu-Edge® Cobalt Chromium Brackets

MBT MCLAUGHLIN, BENNETT, TREVISI SYSTEM

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable
Anterior		0.46mm	L/R	293-3541
Torque	-6°	(.018")		
Tip	0°	0.56mm	L/R	293-3552
		(.022")		
Cuspid without Distal Hook		0.46mm	L	293-3561
Torque	-7°	(.018")	R	293-3571
Tip	+3°	0.56mm	L	293-3582
		(.022")	R	293-3592
Cuspid with Distal Hook		0.46mm	L	293-3601
Torque	0°	(.018")	R	293-3611
Tip	+3°	0.56mm	L	293-3252
		(.022")	R	293-3242
1st Bicuspid without Hook		0.46mm	L	293-2641
Torque	-12°	(.018")	R	293-2651
Tip	+2°	0.56mm	L	293-2661
		(.022")	R	293-2671
1st Bicuspid without Hook		0.46mm	L	293-3641
Gingival Offset		(.018")	R	293-3651
Torque	-12°	0.56mm	L	293-3661
Tip	+2°	(.022")	R	293-3671
1st Bicuspid with Distal Hook		0.46mm	L	293-2681
Torque	-12°	(.018")	R	293-2691
Tip	+2°	0.56mm	L	293-2701
		(.022")	R	293-2711
1st Bicuspid with Distal Hook		0.46mm	L	293-3681
Gingival Offset		(.018")	R	293-3691
Torque	-12°	0.56mm	L	293-3702
Tip	+2°	(.022")	R	293-3712
2nd Bicuspid without Hook		0.46mm	L	293-2721
Torque	-17°	(.018")	R	293-2731
Tip	+2°	0.56mm	L	293-2741
		(.022")	R	293-2751
2nd Bicuspid without Hook		0.46mm	L	293-3721
Gingival Offset		(.018")	R	293-3731
Torque	-17°	0.56mm	L	293-3741
Tip	+2°	(.022")	R	293-3751
2nd Bicuspid with Distal Hook		0.46mm	L	293-2761
Torque	-17°	(.018")	R	293-2771
Tip	+2°	0.56mm	L	293-2781
		(.022")	R	293-2791
2nd Bicuspid with Distal Hook		0.46mm	L	293-3761
Gingival Offset		(.018")	R	293-3771
Torque	-17°	0.56mm	L	293-3782
Tip	+2°	(.022")	R	293-3792

Package of 20

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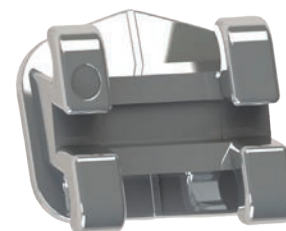
Nu-Edge® Cobalt Chromium Brackets

ROTH SYSTEM

PATIENT KITS

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

Kits contain 20 brackets.



PATIENT MINI KITS

Slot Size	With Hooks	Bicuspids Not Offset
0.46mm (.018")	Cuspid	293-004
	Cuspid/Bicuspid	293-206
0.56mm (.022")	Cuspid	293-006
	Cuspid/Bicuspid	293-207

Kits contain 20 brackets.

Vertical Slot

Some prescriptions are available with vertical slots that accept auxiliaries up to 0.46mm (.018").

MAXILLARY BRACKETS

		Slot Size	Left/Right	Bondable Without Vertical Slot	Bondable With Vertical Slot	Mini Bondable
Central	Torque	0.46mm (.018")	L	293-0101	293-7101	293-1601
	Tip		R	293-0111	293-7111	293-1611
		0.56mm (.022")	L	293-0121	293-7121	293-1621
Lateral	Torque	0.46mm (.018")	L	293-0141	293-7141	293-1641
	Tip		R	293-0151	293-7151	293-1651
		0.56mm (.022")	L	293-0161	293-7161	293-1661
Cuspid without Hook	Torque	0.46mm (.018")	L	293-0181	293-7181	
	Tip		R	293-0191	293-7191	
		0.56mm (.022")	L	293-0201	293-7201	
Cuspid with Distal Hook	Torque	0.46mm (.018")	L	293-0221	293-7221	
	Tip		R	293-0231	293-7231	
		0.56mm (.022")	L	293-0241	293-7241	
Bicuspid without Hook	Torque	0.46mm (.018")	L/R	293-0261	293-7261	
	Tip		L/R	293-0271	293-7271	
		0.56mm (.022")	L/R	293-1081		
Bicuspid without Hook Gingival Offset	Torque	0.46mm (.018")	L/R	293-1091		
	Tip		L/R	293-1091		
		0.56mm (.022")	L	293-0981	293-7281	
Bicuspid with Mesial Hook	Torque	0.46mm (.018")	R	293-0991	293-7291	
	Tip		L	293-1001	293-7301	
		0.56mm (.022")	R	293-1011	293-7311	

Package of 20

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

Nu-Edge® Cobalt Chromium Brackets

ROTH SYSTEM

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable Without Vertical Slot	Bondable With Vertical Slot
Anterior		0.46mm (.018")	L/R	293-0501	293-7541
Torque	-1°				
Tip	0°	0.56mm (.022")	L/R	293-0521	293-7551
Anterior		0.46mm (.018")	L/R	293-0491	
Torque	-12°				
Tip	0°	0.56mm (.022")	L/R	293-0471	
Cuspid without Hook		0.46mm (.018")	L	293-0541	293-7581
Torque	-11°		R	293-0551	293-7591
Tip	+6°	0.56mm (.022")	L	293-0561	293-7601
			R	293-0571	293-7611
Cuspid with Distal Hook		0.46mm (.018")	L	293-0581	293-7621
Torque	-11°		R	293-0591	293-7631
Tip	+6°	0.56mm (.022")	L	293-0601	293-7641
			R	293-0611	293-7651
1st Bicuspid without Hook		0.46mm (.018")	L/R	293-0621	293-7661
Torque	-17°				
Tip	0°	0.56mm (.022")	L/R	293-0631	293-7671
1st Bicuspid without Hook		0.46mm (.018")	L/R	293-1101	293-8281
Gingival Offset					
Torque	-17°	0.56mm	L/R	293-1111	293-8291
Tip	0°	(.022")			
1st Bicuspid with Distal Hook		0.46mm (.018")	L	293-0901	293-7681
Torque	-17°		R	293-0911	293-7691
Tip	0°	0.56mm (.022")	L	293-0921	293-7701
			R	293-0931	293-7711
1st Bicuspid with Distal Hook		0.46mm (.018")	L	293-1441	293-8201
Gingival Offset			R	293-1451	293-8211
Torque	-17°	0.56mm	L	293-1461	293-8221
Tip	0°	(.022")	R	293-1471	293-8283
2nd Bicuspid without Hook		0.46mm (.018")	L/R	293-0641	293-7721
Torque	-22°				
Tip	0°	0.56mm (.022")	L/R	293-0651	293-7731
2nd Bicuspid without Hook		0.46mm (.018")	L/R	293-1121	293-8301
Gingival Offset					
Torque	-22°	0.56mm	L/R	293-1131	293-8311
Tip	0°	(.022")			
2nd Bicuspid w Distal Hook		0.46mm (.018")	L	293-0821	293-7741
Torque	-22°		R	293-0831	293-7751
Tip	0°	0.56mm (.022")	L	293-0841	293-7761
			R	293-0851	293-7771
2nd Bicuspid w Distal Hook		0.46mm (.018")	L	293-1481	293-8241
Gingival Offset			R	293-1491	293-8251
Torque	-22°	0.56mm	L	293-1501	293-8261
Tip	0°	(.022")	R	293-1511	293-8271

Package of 20

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

800-348-8856

Nu-Edge® Cobalt Chromium Brackets

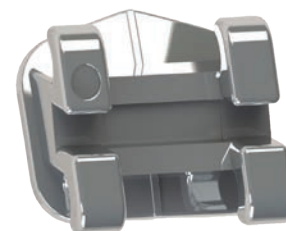
BIOTECH .018" SYSTEM

PATIENT KITS

Maxillary Centrals 0° Tip

Slot Size	With Hooks	
0.46mm (.018")	Cuspid	293-400
	Cuspid/Bicuspid	293-402

Kits contain 20 bondable brackets.



MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable
Central		0.46mm		
Torque	+22°	(.018")	L/R	293-4101
Tip	0°			
Central		0.46mm	L	293-4061
Torque	+22°	(.018")	R	293-4071
Tip	+5°			
Lateral		0.46mm	L	293-4121
Torque	+14°	(.018")	R	293-4131
Tip	+8°			
Cuspid with Distal Hook		0.46mm	L	293-4201
Torque	+7°	(.018")	R	293-4211
Tip	+5°			
Bicuspid with Mesial Hook		0.46mm	L	293-4261
Torque	0°	(.018")	R	293-4271
Tip	0°			

Package of 20

MANDIBULAR BRACKETS

		Slot Size	Left/ Right	Bondable
Anterior		0.46mm		
Torque	-1°	(.018")	L/R	293-0501
Tip	0°			
Cuspid with Distal Hook		0.46mm	L	293-4211
Torque	+7°	(.018")	R	293-4201
Tip	+5°			
Bicuspid without Hook				
Gingival Offset		0.46mm		
Torque	0°	(.018")	L/R	293-4781
Tip	0°			
Bicuspid with Distal Hook		0.46mm	L	293-4301
Torque	0°	(.018")	R	293-4311
Tip	0°			

Package of 20

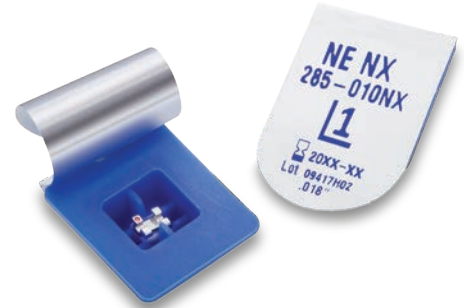
Nu-Edge NX® Cobalt Chromium Brackets

MBT MCLAUGHLIN, BENNETT, TREVISI SYSTEM

PRE-COATED PATIENT KIT

Slot Size	With Hooks	
0.46mm (.018")	Cuspid/Bicuspid	293-381NX
0.56mm (.022")	Cuspid/Bicuspid	293-384NX

Kits contain 20 brackets.



ROTH SYSTEM

PRE-COATED PATIENT KIT

Slot Size	With Hooks	
0.46mm (.018")	Cuspid/Bicuspid	293-206NX
0.56mm (.022")	Cuspid/Bicuspid	293-006NX

Kits contain 20 brackets.

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

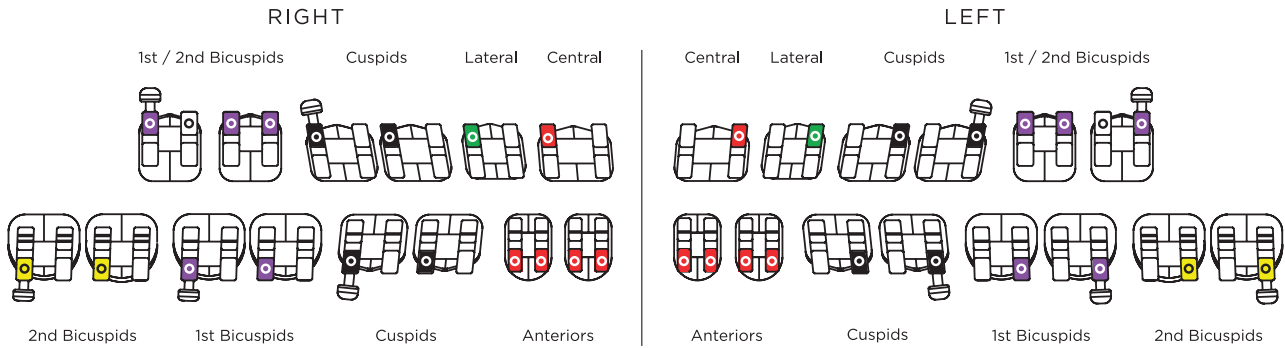
MBT is a registered trademark of 3M. TP Orthodontics version of the McLaughlin, Bennett and Trevisi prescription is not intended to be a duplication of, nor an endorsement by, these doctors and such endorsement is not implied by the use of this term.

800-348-8856

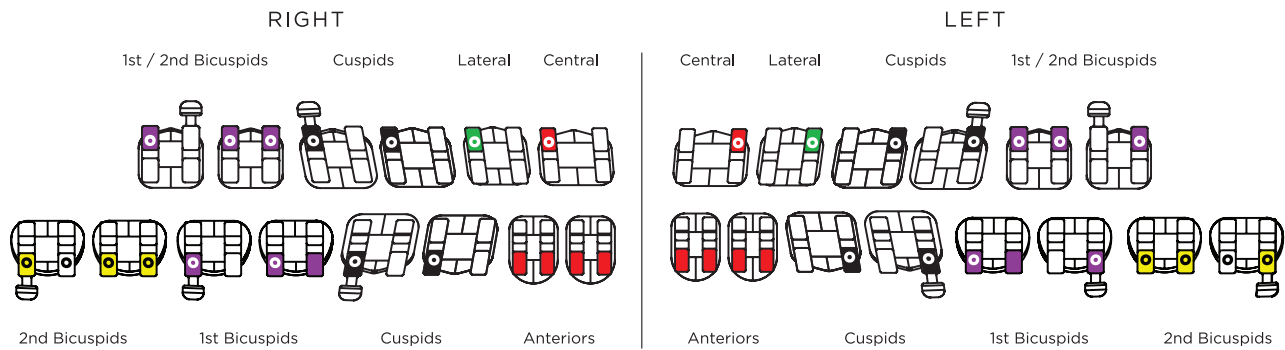
Nu-Edge® Cobalt Chromium Brackets

Bracket Identification Charts

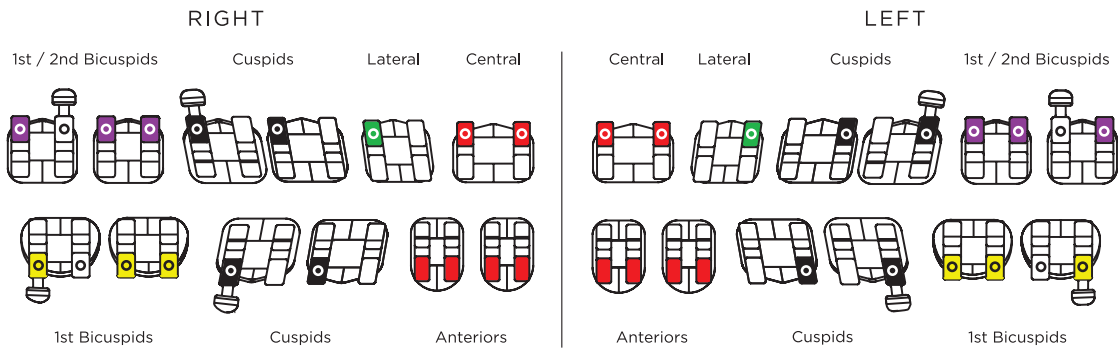
MBT



Roth



BioTech



Nu-Edge® Self-Ligating Mini Cobalt Chromium Brackets

MBT MCLAUGHLIN, BENNETT, TREVISI SYSTEM

PATIENT KITS

Slot Size	With Hooks	5 5
0.56mm (.022")	Cuspid/Bicuspid	293-294SL

Kits contain 20 brackets.



PATIENT KIT WITH POSITIONING JIGS

Slot Size	With Hooks	5 5
0.56mm (.022")	Cuspid/Bicuspid	293-294SJ

Kits contain 20 brackets.

MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/ Right	Bondable
Anterior	0.56mm	L/R	293-355SL
Torque -6°	(.022")		
Angulation 0°			
Cuspid with Distal Hook	0.56mm	L	293-362SL
Torque -6°	(.022")	R	293-363SL
Angulation +3°			
1st Bicuspid with Distal Hook	0.56mm	L	293-270SL
Torque -12°	(.022")	R	293-271SL
Angulation +2°			
2nd Bicuspid with Distal Hook	0.56mm	L	293-278SL
Torque -17°	(.022")	R	293-279SL
Angulation +2°			

Package of 5

Nu-Edge® Self-Ligating Cobalt Chromium Brackets

ROTH SYSTEM

PATIENT KITS

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

Kits contain 20 brackets.



MAXILLARY BRACKETS

		Slot Size	Left/ Right	Bondable
Central		0.56mm	L	293-012SL
Torque	+12°	(.022")	R	293-013SL
Tip	+5°			
Lateral		0.56mm	L	293-016SL
Torque	+8°	(.022")	R	293-017SL
Tip	+9°			
Cuspid with Distal Hook		0.56mm	L	293-024SL
Torque	0°	(.022")	R	293-025SL
Tip	+11°			
Bicuspid with Distal Hook		0.56mm	L	293-100SL
Torque	-7°	(.022")	R	293-101SL
Tip	0°			

Package of 5

MANDIBULAR BRACKETS

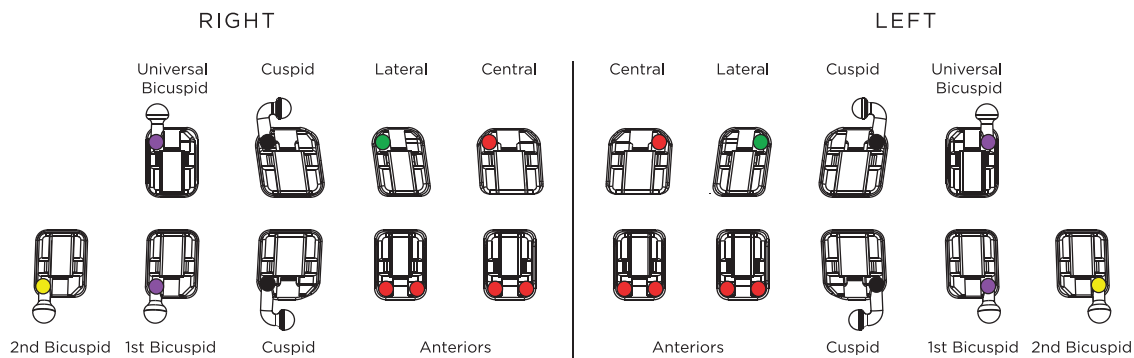
		Slot Size	Left/ Right	Bondable
Anterior		0.56mm	L/R	293-052SL
Torque	0°	(.022")		
Tip	0°			
Cuspid with Distal Hook		0.56mm	L	293-060SL
Torque	-11°	(.022")	R	293-061SL
Tip	+5°			
1st Bicuspid with Distal Hook		0.56mm	L	293-092SL
Torque	-17°	(.022")	R	293-093SL
Tip	0°			
2nd Bicuspid with Distal Hook		0.56mm	L	293-084SL
Torque	-22°	(.022")	R	293-085SL
Tip	0°			

Package of 5

Nu-Edge® Self-Ligating Brackets

Bracket Identification Chart

Roth and MBT



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	

*Color-coding denotes brackets included in patient kits.

†See page 46 for description of included molar tubes.

MAXILLARY BRACKETS

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

Package of 5

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable					Weldable	
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow	Oriented 5mm Green		Oriented Universal Orange
Anterior									
Torque	-1°	0.56mm	L	296-619	296-633	296-647			296-5870
Tip	+2°	(.022")	R	296-620	296-634	296-648			296-5880
Cuspid									
Torque	-11°	0.56mm	L	296-623		296-651	296-667	296-673	296-5890
Tip	+5°	(.022")	R	296-624		296-652	296-668	296-674	296-5900
Bicuspid									
Torque	-20°	0.56mm	CCW	296-625	296-637	296-653	296-669		296-5910
Tip	0°	(.022")	CW	296-626	296-638	296-654	296-670		296-5920
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: Maxillary central 4mm, lateral 3.5mm, cuspid 4.5mm, bicuspid 4mm.

Mandibular anterior 3.5mm, cuspid 4mm, bicuspid 4mm.

Package of 5

PLUS SL™ Self-Ligating Cobalt Chromium Brackets



PATIENT KITS

	Slot Size	Non-Oriented	Oriented Incisal Jig	Non-Oriented with Tubes	Oriented Incisal Jig with Tubes
Non-Extraction	0.56mm (.022")	296-600SL*	296-602SL*	296-608SL*	296-604SL*

*Color-coding denotes brackets included in patient kits.

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable			
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow
Central						
Torque	+12°	0.56mm	L	296-611SL		296-639SL
Tip	+5°	(.022")	R	296-612SL		296-640SL
Lateral						
Torque	+8°	0.56mm	L	296-613SL	296-629SL	
Tip	+9°	(.022")	R	296-614SL	296-630SL	
Cuspid						
Torque	-4°	0.56mm	L	296-615SL		296-659SL
Tip	+11°	(.022")	R	296-616SL		296-660SL
Bicuspid						
Torque	-7°	0.56mm	CCW	296-617SL		296-645SL
Tip	0°	(.022")	CW	296-618SL		296-646SL

Package of 10

MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable		
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red
Anterior					
Torque	-1°	0.56mm	L	296-619SL	296-633SL
Tip	+2°	(.022")	R	296-620SL	296-634SL
Cuspid					
Torque	-11°	0.56mm	L	296-623SL	296-651SL
Tip	+5°	(.022")	R	296-624SL	296-652SL
Bicuspid					
Torque	-20°	0.56mm	CCW	296-625SL	296-653SL
Tip	0°	(.022")	CW	296-626SL	296-654SL

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

Package of 10

Tip-Edge® PLUS Stainless Steel Brackets

PRE-COATED PATIENT KIT

	Slot Size	Non-Oriented
Non-Extraction	0.56mm (.022")	296-602NX

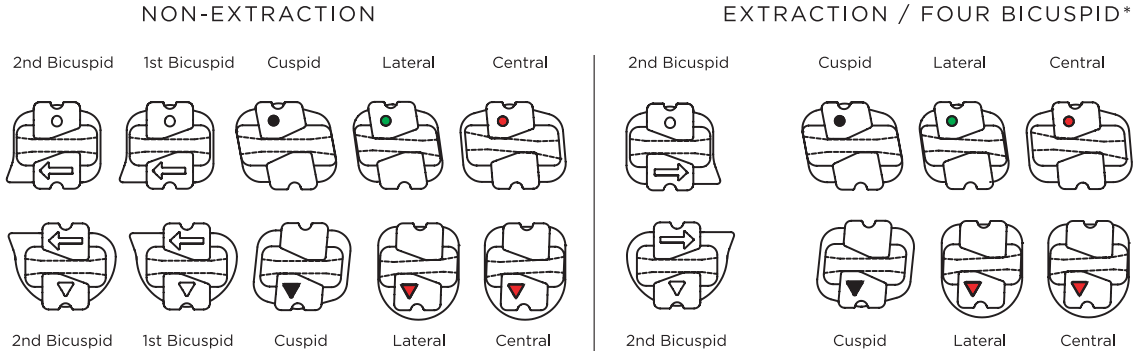
Non-extraction kits contain 20 bondable brackets.

Pre-coated
with eXact®
Adhesive

800-348-8856

Tip-Edge® PLUS and PLUS SL™ Bracket Identification Chart

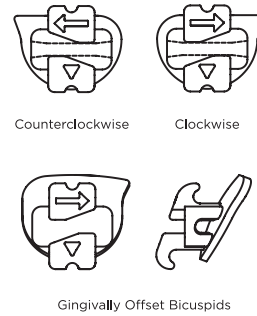
Non-Extraction / Extraction



Bicuspids

Arrows on the bicuspid brackets 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

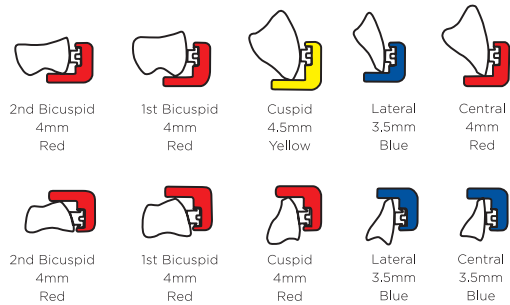
Incisal jigs are designed to help with accurate incisogingival bracket placement and assist with sighting long axis crown angulations. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips. Color coding identifies the various heights.



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.



RECOMMENDED JIG HEIGHT



Green 5mm jigs are also available for cuspids.

Straight-Edge® II Stainless Steel Brackets

ROTH SYSTEM

PATIENT KITS

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



Kits contain 20 bondable brackets. Mandibular first bicuspids have -14° torque. Jigs are recommended heights.

292-0007 Straight-Edge with Tip-Edge Cuspids (.022"), oriented / standard jig height

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

MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable			
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow
Central Narrow	0.46mm (.018")	L	292-051		292-075*	
Torque +12°		R	292-052		292-076*	
Tip +5°	0.56mm (.022")	L	292-053		292-077*	292-093
Rotation 0°		R	292-054		292-078*	292-094
Lateral	0.46mm (.018")	L	292-055	292-067*		
Torque +8°		R	292-056	292-068*		
Tip +9°	0.56mm (.022")	L	292-057	292-069	292-081	
Rotation 0°		R	292-058	292-070	292-082	
Cuspid without Hook	0.46mm (.018")	L	292-059			292-095*
Torque -2°		R	292-060			292-096*
Tip +11°	0.56mm (.022")	L	292-061			292-097
Rotation -4°		R	292-062			292-098
Cuspid with Distal Hook	0.56mm (.022")	L	292-361			292-397
Torque -2°		R	292-362			292-398
Tip +11°						
Rotation -4°						
Bicuspids	0.46mm (.018")	L	292-063	292-071	292-087	
Torque -7°		R	292-064	292-072	292-088	
Tip 0°	0.56mm (.022")	L	292-065	292-073	292-089	292-101
Rotation +2°		R	292-066	292-074	292-090	292-102

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

*Bracket available on bands only.

Package of 5

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

Straight-Edge® II Stainless Steel Brackets

ROTH SYSTEM

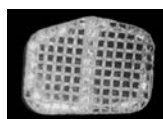
MANDIBULAR BRACKETS

	Slot Size	Left/Right	Bondable			
			Non-Oriented	Oriented 3.5mm Blue	Oriented 4mm Red	Oriented 4.5mm Yellow
Universal Anterior Torque -1° Tip 0° Rotation 0°	0.56mm (.022")	L/R	291-975	291-976		
Universal Anterior Torque -6° Tip 0° Rotation 0°	0.56mm (.022")	L/R	291-982	291-983		
Anterior Torque -1° Tip +2° Rotation 0°	0.46mm (.018") 0.56mm (.022")	L R L R	292-151 292-152	292-163* 292-164*		
Cuspid without Hook Torque -11° Tip +5° Rotation -2°	0.46mm (.018") 0.56mm (.022")	L R L R	292-153 292-154	292-165 292-166	292-173 292-174	
Cuspid with Distal Hook Torque -11° Tip +5° Rotation -2°	0.46mm (.018") 0.56mm (.022")	L R L R	292-155 292-156	292-175 292-176	292-183F 292-184F	
1st Bicuspid Torque -17° Tip +1° Rotation +4°	0.46mm (.018") 0.56mm (.022")	L R L R	292-157 292-158	292-177 292-178	292-179 292-180	
2nd Bicuspid Torque -22° Tip +1° Rotation +4°	0.46mm (.018") 0.56mm (.022")	L R L R	292-357 292-358	292-377 292-378		
2nd Bi Ging. Offset Torque -22°	0.46mm (.018")	L R	292-223 292-224	292-227 292-228		
			292-233 292-234	292-237 292-238	292-239 292-240	
			292-159 292-160	292-179 292-180		
			292-161 292-162	292-181 292-182	292-189 292-190	
					292-219 292-220	

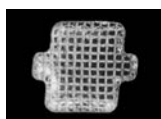
Recommended jig heights: Mandibular anterior 3.5mm, cuspid 4mm, bicuspid 4mm.

*Bracket available on bands only.

Package of 5



Larger Pad



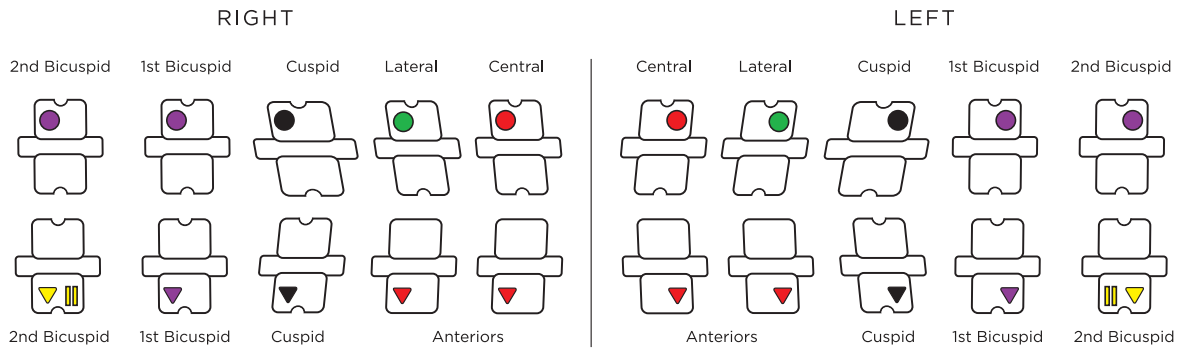
Smaller Pad

* 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 Identification Chart

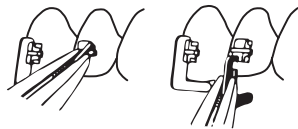
Roth



Positioning Jigs

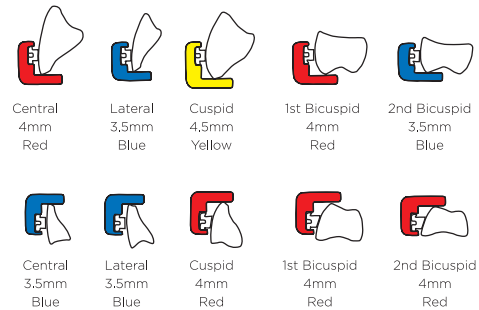
Positioning jigs are designed to help take the uncertainty out of bracket placement, allowing quick bracket orientation.

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



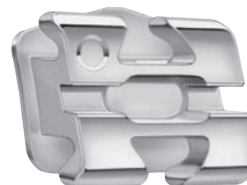
Advant-Edge® Stainless Steel Brackets with Vertical Slot

ROTH SYSTEM

PATIENT KITS

Slot Size	With Hooks	Non-Oriented	Oriented on Incisal Jigs
0.46mm (.018")	Cuspid/Bicuspid		294-007
0.56mm (.022")	Cuspid		294-009
	Cuspid/Bicuspid	294-004	294-010

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



MAXILLARY BRACKETS

	Slot Size	Left/Right	Bondable		
			Non-Oriented	Oriented Incisal Jig 3.5mm Blue	Oriented Incisal Jig 4mm Red
Central	0.46mm (.018")	L			294-114
Torque +12°		R			294-115
Tip +5°	0.56mm (.022")	L	294-052		294-116
		R	294-053		294-117
Lateral	0.46mm (.018")	L		294-090	
Torque +8°		R		294-091	
Tip +9°	0.56mm (.022")	L	294-056	294-092	
		R	294-057	294-093	
Cuspid with Distal Hook	0.46mm (.018")	L			294-174
Torque -2°		R			294-175
Tip +11°	0.56mm (.022")	L	294-064		294-176
		R	294-065		294-177
Bicuspid with Mesial Hook	0.46mm (.018")	L		294-102	294-142
Torque -7°		R		294-103	294-143
Tip 0°	0.56mm (.022")	L	294-072	294-104	294-144
		R	294-073	294-105	294-145

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

Package of 5

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

Advant-Edge® Stainless Steel Brackets with Vertical Slot

ROTH SYSTEM

MANDIBULAR BRACKETS



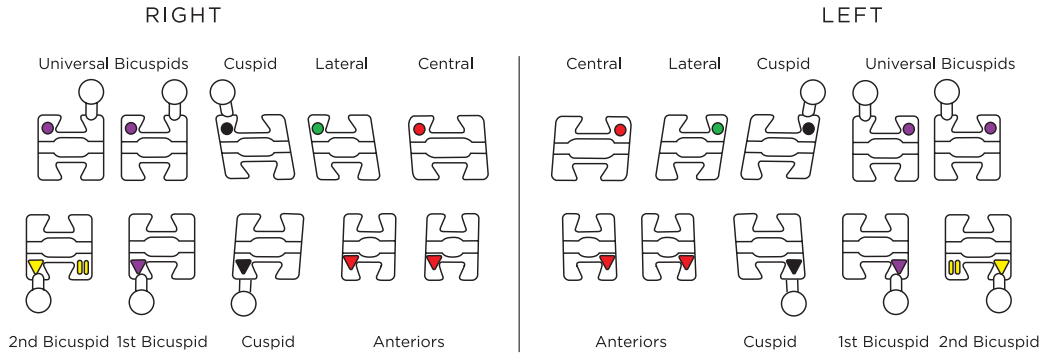
	Slot Size	Left/Right	Bondable	
			Non-Oriented	Oriented Incisal Jig 3.5mm Blue Oriented Incisal Jig 4mm Red
Central Notched	0.46mm	L		294-586
Torque -1°	(.018")	R		294-587
Tip +2°	0.56mm	L	294-556	294-588
	(.022")	R	294-557	294-589
Lateral Notched	0.46mm	L		294-594
Torque -1°	(.018")	R		294-595
Tip +2°	0.56mm	L	294-556	294-596
	(.022")	R	294-557	294-597
Cuspid with Distal Hook	0.46mm	L		294-634
Torque -11°	(.018")	R		294-635
Tip +5°	0.56mm	L	294-564	294-636
	(.022")	R	294-565	294-637
1st Bicuspid with Hook	0.46mm	L		294-642
Torque -17°	(.018")	R		294-643
Tip 0°	0.56mm	L	294-572	294-644
	(.022")	R	294-573	294-645
2nd Bicuspid with Hook	0.46mm	L		294-650
Torque -22°	(.018")	R		294-651
Tip 0°	0.56mm	L	294-580	294-652
	(.022")	R	294-581	294-653

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

Advant-Edge® Stainless Steel Brackets

Bracket Identification Chart

Roth



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

Positioning Jigs and Vertical Slot

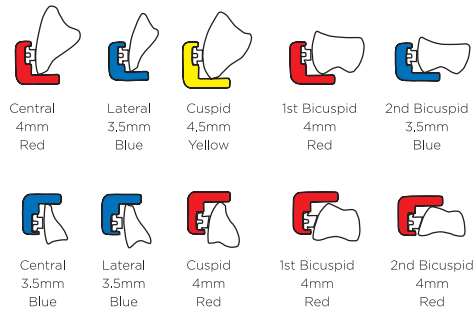
Positioning jigs assure accurate incisogingival bracket placement and assist with sighting long axis crown angulations. Jig measurements are from the center of the archwire slot to the incisal edge or cusp tips.

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



With Vertical Slot

RECOMMENDED JIG HEIGHT



TUBES, ATTACHMENTS AND BANDS

TUBES, ATTACHMENTS AND BANDS

Ultra Low Profile Single Molar Tubes

- First Molar
- Second Molar

Standard Single Molar Tubes

- First Molar
- Convertible
- Second Molar

Headgear and Auxiliary Molar Tubes

- Combination Convertible
- Combination Convertible Rotation
- Double Convertible
- Combination Convertible Lip Bumper
- Triple Convertible Rotation
- Triple .036" Tip-Edge Auxiliary

Tip-Edge® System Molar Tubes

- Combination
- Combination Convertible

Lingual Attachments

- Bondable
- Weldable

GripTite® First Molar Bands

Pre-Fit® Bands

- Second Molar
- Bicuspid

Prewelding Service

Prewelded Band Assemblies

Ultra Low Profile Single Molar Tubes

First Molar

6 | 6 UPPER FIRST MOLAR—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	391-738W	391-742
					R	391-739W	391-743
0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	0°	L	391-740W	391-746
					R	391-741W	391-747
	4.5	-14°	0°	10°	L		391-936
					R		391-937

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.



First Molar Tube

6 | 6 LOWER FIRST MOLAR—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	391-739W	391-748	
					R	391-738W	391-749	
			-20°	0°	0°	L		391-816
						R		391-817
0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	0°	L	391-741W	391-750	
					R	391-740W	391-751	
			-20°	0°	0°	L	391-820W	391-822
						R	391-821W	391-823
4.5		-25°	0°	0°	L		391-944	
					R		391-945	

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.

Second Molar

7 | 7 UPPER SECOND MOLAR—ULTRA LOW PROFILE

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/Right	Bondable
0.56 x 0.71mm (.022" x .028")	3.2	-14°	0°	10°	L	391-952
					R	391-953

Package of 10



Second Molar Tube

7 | 7 LOWER SECOND MOLAR—ULTRA LOW PROFILE

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/Right	Bondable
0.56 x 0.71mm (.022" x .028")	3.2	-25°	0°	5°	L	391-960
					R	391-961

Package of 10

Standard Single Molar Tubes

First Molar

6|6 UPPER FIRST MOLAR WITH DISTAL EXTENSION

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable*	Bondable	
							Original Pad .182"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-10°	0°	14°	L		391-600	391-490
					R		391-601	391-491
		-14°	0°	14°	L			391-492
					R			391-493
0.56 x 0.71mm (.022" x .028")	4.2	-10°	0°	14°	L	391-624W	391-616	391-494
					R	391-625W	391-617	391-495
		-14°	0°	14°	L			391-496
					R			391-497

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.



6|6 LOWER FIRST MOLAR WITH DISTAL EXTENSION

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable*	Bondable	
							Original Pad .182"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-25°	0°	4°	L			391-498
					R			391-499
		-30°	2°	4°	L	391-614W		
					R	391-615W		
0.56 x 0.71mm (.022" x .028")	4.2	-25°	0°	4°	L	391-628W	391-620	391-578
					R	391-629W	391-621	391-579

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.



6|6 UPPER FIRST MOLAR

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable*	Bondable
							Original Pad .260"
0.46 x 0.64mm (.018" x .025")	4.0	0°	0°	0°	L		210-396L
					R		210-396R
0.56 x 0.71mm (.022" x .028")	4.0	0°	0°	0°	L	391-012WL	210-397L
					R	391-012WR	210-397R

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.



6|6 LOWER FIRST MOLAR

Archwire Tube Size	Tube Length	Torque	Distal Tip	Offset	Left/ Right	Weldable*	Bondable
							Original Pad .260"
0.46 x 0.64mm (.018" x .025")	4.0	0°	0°	0°	L		210-396R
					R		210-396L
0.56 x 0.71mm (.022" x .028")	4.0	0°	0°	0°	L	391-012WR	210-397R
					R	391-012WL	210-397L

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.



Standard Single Molar Tubes Convertible

6|6 MICRO6 COBALT CHROMIUM UPPER CONVERTIBLE FIRST MOLAR WITH ZIP-RELEASE

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Bondable
						Standard Pad
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



6|6 MICRO6 COBALT CHROMIUM UPPER CONVERTIBLE FIRST MOLAR

Archwire Tube Size	Tube Length	Torque	Distal Tip	Left/ Offset	Right	Bondable		
						Standard Pad	Small Foot Pad .260"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.0	-10°	0°	4°	L	391-528	391-652	391-660
					R	391-529	391-653	391-661
0.56 x 0.71mm (.022" x .028")	4.0	-10°	0°	4°	L	391-701	391-654	391-662
					R	391-702	391-655	391-663

Package of 10

Upper Right



6|6 LOWER CONVERTIBLE FIRST MOLAR

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/ Right	Weldable*	Bondable	
							Original Pad .182"	Big Foot Pad .325"
0.46 x 0.64mm (.018" x .025")	4.2	-25°	0°	4°	L	391-536W		391-664
					R	391-537W		391-665
0.56 x 0.71mm (.022" x .028")	4.2	-25°	0°	4°	L	391-540W	391-548	391-666
					R	391-541W	391-549	391-667

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.

Lower Right



Standard Single Molar Tubes

Second Molar

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	-14°	0°	10°	L		391-632	
						R	391-633		
	0.56 x 0.71mm (.022" x .028")	2.3	-10°	0°	6°	L		391-784	
						R	391-785		
Lower	0.46 x 0.64mm (.018" x .025")	2.3	-10°	0°	0°	L		391-636	
						R	391-637		
	0.56 x 0.71mm (.022" x .028")	2.3	-10°	0°	0°	L		391-798W 391-638	
						R	391-799W 391-639		
				-25°	0°	6°	L		391-886
							R	391-887	

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.

Right



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		391-394
					R	391-393	
0.56 x 0.71mm (.022" x .028")	3.3	-10°	0°	14°	L		391-400W 391-402
					R	391-399W 391-401	
		-14°	0°	14°	L		391-406
					R		391-405

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.

Upper Right



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		391-176
					R	391-175	
0.56 x 0.71mm (.022" x .028")	3.3	-25°	0°	4°	L		391-138W 391-140
					R	391-137W 391-139	
		-30°	0°	4°	L		391-218W 391-220
					R		391-217W 391-219

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.

Lower Right



Headgear and Auxiliary 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	391-502W
						R	391-503W
.022" x .028" x 3.5mm	.045" x 3.5mm	-10°	0°	14°	0°	L	391-508W
						R	391-509W

*Weldable (W) tubes are only available individually welded to TPO bands.
Recommended for use with VektorPRO Class II Corrector.

Upper Right



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		
.022" x .028" x 3.5mm	.045" x 3.5mm	-10°	0°	14°	0°	L	391-268W
						R	391-269W

Package of 10

*Weldable (W) tubes are only available individually welded to TPO bands.

Upper Right



Combination Convertible Rotation

6|6 UPPER FIRST MOLAR MINI SIZE ROTATES MOLARS WITHOUT ARCH BARS

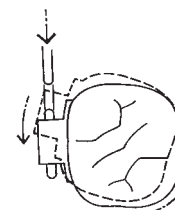
Occlusal headgear tube has 7° offset at end of treatment.

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

*Can be ordered on TPO bands; add W to the part number.

Upper Right



Auxiliary Molar Tubes

Double Convertible

6|6 UPPER FIRST MOLAR

Main Occl. Tube Size	Aux. Ging. 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	-14°	0°	0°	0°	10°	0°	L	391-680W
								R	391-681W
.022" x .028" x 3.5mm	.022" x .028" x 3.5mm	-14°	0°	0°	0°	10°	0°	L	391-682W
								R	391-683W

*Weldable (W) tubes are only available individually welded to TPO bands.

Upper Right



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*
		Main	Aux.	Main	Aux.	Main	Aux.		
.018" x .025" x 4.2mm	.018" x .025" x 4.2mm	-27°	-15°	0°	0°	5°	0°	L	391-206W
								R	391-205W
.022" x .028" x 4.2mm	.022" x .028" x 4.2mm	-27°	-15°	0°	0°	5°	0°	L	391-648W
								R	391-649W

*Weldable (W) tubes are only available individually welded to TPO bands.

Lower Right



Headgear and Auxiliary 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		
.022" x .028" x 4.4mm	.045" x 4.4mm	-27°	0°	4°	0°	L	391-272
				R	391-273		

Package of 10

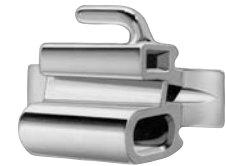
*Can be ordered on TPO bands; add W to the part number.

Triple Convertible Rotation

6|6 UPPER FIRST MOLAR ROTATES MOLAR 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.

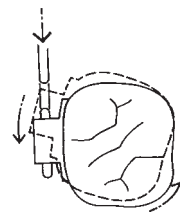
Upper Right



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						
.022" x .028" x 3.5mm	.022" x .028" x 3.5mm	.045" x 3.5mm	-14°	0°	0°	0°	14°	0°	L	391-432
			R	391-433						

Package of 10

*Can be ordered on TPO bands; add W to the part number.



Triple .036" Tip-Edge Auxiliary with Easy-Out Feature

6|6 UPPER FIRST MOLAR

Upper Right



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" x 4.0mm	.036" x 6.0mm	.045" x 4.5mm	-10°	—	0°	0°	12°	12°	L	391-094W
			R	391-093W						

*Weldable tubes are only available individually welded to TPO bands.

TUBES, ATTACHMENTS AND BANDS

Tip-Edge® System Molar Tubes

Slant Back with Easy-Out Feature

Combination

6|6 UPPER FIRST MOLAR LOW PROFILE

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

Package of 10

*Weldable Tip-Edge tubes can be ordered individually on TPO bands; add W to part number.

Upper Right



6|6 LOWER FIRST MOLAR LOW PROFILE

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

Package of 10

*Weldable Tip-Edge tubes can be ordered individually on TPO bands; add W to part number.

Lower Right



Combination Convertible

6|6 UPPER FIRST MOLAR

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" x 4.0mm	.036" x 6.0mm	-10°	—	0°	0°	12°	12°	L	391-372	391-407	391-418
								R	391-373	391-408	391-419

Package of 10

*Weldable Tip-Edge tubes can be ordered individually on TPO bands; add W to part number.

Upper Right



6|6 LOWER FIRST MOLAR

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" x 4.0mm	.036" x 6.0mm	-27°	—	0°	0°	8°	8°	L	391-378	391-409	391-420
								R	391-379	391-410	391-421

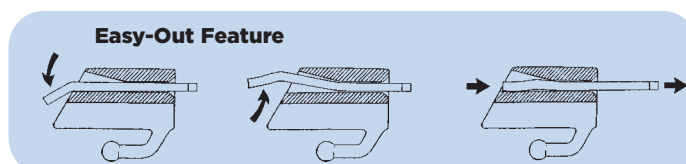
Package of 10

*Weldable Tip-Edge tubes can be ordered individually on TPO bands; add W to part number.

Lower Right



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

Bondable

Bondable Lingual Button

- For engaging elastomeric thread.
- Available on 2.16 x 3.8mm (.085" x .150") rectangular base for bicuspid and molars.
- Available on 3.6mm (.140") diameter base for cuspids.

224-112 Round Base (anterior)

224-113 Rectangular Base (posterior)
Package of 10



Bondable Plastic Button

- 3.1mm (.120") diameter head.

224-800 Plastic Lingual Buttons
Package of 10



Bondable Lingual Hook

224-116L Upper Left/Lower Right Bondable Hooks

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



Bondable Lingual Cleat

- Available with 3.6mm (.140") diameter base for cuspids.
- Available with 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 Attachments Weldable

One-Piece Lingual Button

- Head size 2.18mm (.086").

- 224-010** Flat Base
- 224-020** Curved Base
Package of 10



Molar Cleat

- Stamped from 0.30mm (.012") stainless steel.
- Total length 7mm (.275").

- 224-004** Molar Cleats
Package of 100



Cleat-Lug

- Formed from 0.30mm (.012") stainless steel.
- Length is 5mm (.200").

- 224-017** Posterior Cleat-Lug
Package of 100



Ball-End Lingual Hook

- 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



Lingual Cleat

- 224-007** Short, 4.4mm (.173")
- 224-008** Long, 5.2mm (.206")
Package of 100



Lingual Molar Sheath

- 0.91mm (.036") I.D. for use with palatal arch bars.

- 328-054** Sheath with Latch Indent
- 328-254L** Left Sheath with Distal Ball Hook
- 328-254R** Right Sheath with Distal Ball Hook
Package of 10



GripTite® First Molar Bands

- Mechanical interlocking indentations that are three times deeper than laser marked bands.
- Anatomically correct according to tooth shape and size.
- Available in 38 sizes,
- All bands are permanently identified with an advanced marking system that clearly indicates Palmer Notation, band size and tooth identification on the mesial surface.

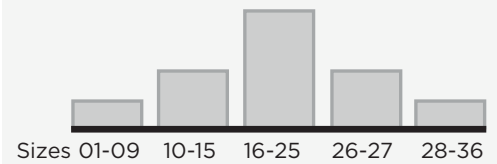


Molar Band Kits

Introductory Kit	100 bands (per arch)
Standard Kit	200 bands (per arch)
Inventory Kit	400 bands (per arch)

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

Upper and Lower Kit Distribution



GRIP TITE MOLAR BANDS – 38 SIZES

			.010 Firm Temper	.007 Standard Temper
Upper/Lower		Left/Right		
First Molar	Upper	R	964-725	966-725
		L	964-726	966-726
	Lower	R	965-825	967-825
		L	965-826	967-826

Band Boxes

- Hinge top box with a divided plastic insert with each band kit order.
- Convenient band storage.

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

Pre-Fit® Second Molar Bands

- Anatomical right and left shapes.
- Available in 38 sizes (00 to 36).
- .005 mm thick.
- incorporate slight buccal indents and gingival interproximal festooning to promote positive seating at the proper levels.
- Advanced marking system clearly indicate the Palmer Notation, band size and tooth identification on the mesial.



Molar Band Kits

Introductory Kit	100 bands (per arch)
Standard Kit	200 bands (per arch)
Inventory Kit	400 bands (per arch)

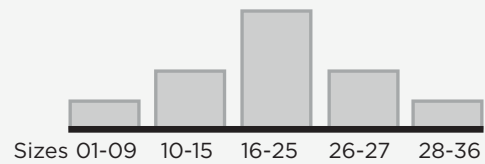
Sizes 0 and 00 are not included in molar kits unless specifically requested. Band boxes are furnished at no charge with all kit orders.

STANDARD TEMPER PLUS PRE-FIT MOLAR BANDS

	Upper/Lower	Left/Right	Order No.
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.

Upper and Lower Kit Distribution



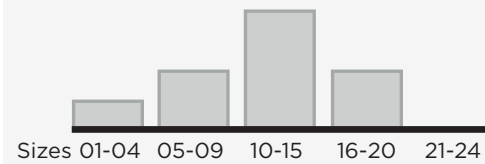
Pre-Fit® Bicuspid Bands

- Markings indicate the Palmer Notation.
- Band size and tooth identification on the mesial.

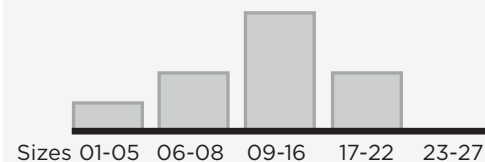
Bicuspid Band Kits

Introductory Kit	150 bands (per arch)
Inventory Kit	300 bands (per arch)

Upper Kit Distribution



Lower Kit Distribution



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.

Prewelded Band Assemblies

Many of our brackets, molar tubes and auxiliaries are available pre-welded to TPO's bands (we do not offer welding services for non-TPO parts).

Standard Welding Positions are used for fabricating all assemblies. GripTite Bands are used for first molars. Pre-Fit bands are used for second molars and bicuspids.

Standard Welding Positions

MOLARS

(Pre-adjusted, Standard Edgewise and Tip-Edge® prescriptions)

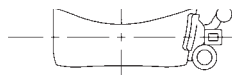
Upper Single Tube

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



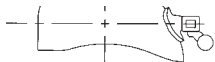
Upper Combination Tube

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.



Lower Single Tube

Mesiodistal: Same as upper
Occlusogingival: Centered



BICUSPIDS

Upper

Mesiodistal: Centered
Occlusogingival: Offset occlusally



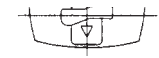
Preadjusted and Standard Edgewise



Tip-Edge and Tip-Edge PLUS

Lower

Mesiodistal: Centered
Occlusogingival: Offset gingivally



Note: The conical shape of Pre-Fit bicuspid bands gives them an "upside-down" appearance.

Prewelded Band Assemblies

Featuring 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		Left/Right	Band Assemblies	
				Main	HG		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 band size number (00-36) after item number.
Tubes on page 43.

6 | 6 GRIPTITE BAND WITH LOWER SINGLE FIRST MOLAR TUBE WITH DISTAL EXTENSION

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

Add band size number (00-36) after item number.
Tubes on page 40.

6 | 6 GRIPTITE BAND WITH LOWER SINGLE CONVERTIBLE FIRST MOLAR TUBE

Archwire Tube Size	Tube Length	Torque	Tip	Distal Offset	Left/Right	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 band size number (00-36) after item number.
Tubes on page 41.

*Pre-welded band assemblies include lingual cleat.

WIRE

WIRE

Standard Archwire

Aesthetic Archwire

- Reflex® Nickel Titanium
- Shiny Bright Stainless Steel

Nickel Titanium Archwire

- Reflex® Original
- Reflex® Original Coil Wire
- Reflex® Original with Center Bend
- Reflex® Heat-Activated
- Reflex® Heat-Activated with Center Bend

Stainless Steel Archwire

- Shiny Bright Preformed Archwires
- Shiny Bright Straight Wire Lengths

Titanium Archwire

- TiMolium® Titanium
- Aesthetic Archwire

Braided 8-Strand Wire

- Nickel Titanium
- Aesthetic Archwire

Specialty Archwire

TP Original Stainless Steel (Tip-Edge® Compatible)

- Coils
- Lengths

Rounded Rectangular Stainless Steel

- Preformed Archwire
- Lengths

Co-Ax®

- Coils
- Lengths

Woven 8-Strand

Tip-Edge® System Archwire

Tip-Edge® Archwires

Tip-Edge® Looped Archwires

TP Original Preformed Archwires

Bow-Flex Stainless Steel

- Preformed Archwires
- Coils

Pretorqued Archwires

Ligature Wires

Preformed Ties

Angular Twisted Ties

Kobayashi Ties

Wire on Spools

Aesthetic Wire

Reflex® Nickel Titanium

- Available in a variety of shapes and wire types.
- Tooth-colored coating on labial side of wire for accurate wire sizing and reduced friction.
- Convenience-Pak® individual wire packaging, which consists of a box of ten archwires.



Straight Arch Form

Wire Size		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 with ClearVu® ceramic brackets.

Shiny Bright Stainless Steel



Straight Arch Form

Wire Size		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

Reflex® Original Nickel Titanium Wire

- Resists permanent distortion.
- Available in a variety of round and rectangular wire sizes.
- Midlines are clearly marked.
- 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		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

Package of 10



Wire Size	Curved Memory	
	Upper	Lower
0.30mm (.012")	381-550	381-551
0.36mm (.014")	381-552	381-553
0.41mm (.016")	381-500	381-501
0.46mm (.018")	381-502	381-503
0.51mm (.020")	381-554	381-555
0.41 x 0.41mm (.016" x .016")	381-556	381-557
0.41 x 0.56mm (.016" x .022")	381-504	381-505
0.43 x 0.64mm (.017" x .025")	381-506	381-507
0.46 x 0.46mm (.018" x .018")	381-558	381-559
0.46 x 0.64mm (.018" x .025")	381-560	381-561
0.48 x 0.64mm (.019" x .025")	381-508	381-509
0.51 x 0.51mm (.020" x .020")	381-562	381-563
0.55 x 0.64mm (.0215" x .025")	381-564	381-565

Package of 10

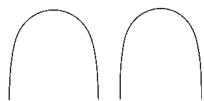
4.5m (15 ft.) COIL

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

Package of 1

Reflex® Original Nickel Titanium Wire With Center Bend

- Small horizontal bend in the midline prevents sliding to the right or left.
- Upper wires feature a wider bend of 4.5mm (.178").
- Lower wires have a narrower 3.2mm (.124") bend.



Wire Size		Straight Arch Form		Curved Memory	
		Upper	Lower	Upper	Lower
0.30mm	(.012")	381-387	381-386	381-520	381-521
0.36mm	(.014")	381-389	381-388	381-522	381-523
0.41mm	(.016")	381-367	381-366	381-524	381-525
0.46mm	(.018")	381-369	381-368	381-526	381-527
0.51mm	(.020")	381-391	381-390	381-528	381-529
0.41 x 0.41mm	(.016" x .016")	381-393	381-392	381-530	381-531
0.41 x 0.56mm	(.016" x .022")	381-371	381-370	381-532	381-533
0.43 x 0.64mm	(.017" x .025")	381-373	381-372	381-534	381-535
0.46 x 0.64mm	(.018" x .025")	381-395	381-394	381-536	381-537
0.48 x 0.64mm	(.019" x .025")	381-401	381-400	381-538	381-539
0.55 x 0.64mm	(.0215" x .025")	381-403	381-402	381-540	381-541

Package of 10

Reflex® Heat-Activated Nickel Titanium Wire

- Heat-activated nickel titanium.
- Deforms at room temperature and super-elastic at body temperature.
- 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.
- 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		Curved Memory	
		Upper	Lower	Upper	Lower	Upper	Lower
0.30mm	(.012")	381-789	381-788	381-799	381-798	381-600	381-601
0.36mm	(.014")	381-821	381-820	381-801	381-800	381-602	381-603
0.41mm	(.016")	381-823	381-822	381-803	381-802	381-604	381-605
0.46mm	(.018")	381-825	381-824	381-805	381-804	381-606	381-607
0.51mm	(.020")	381-791	381-790	381-813	381-812	381-608	381-609
0.41 x 0.41mm	(.016" x .016")			381-815	381-814	381-610	381-611
0.41 x 0.56mm	(.016" x .022")			381-807	381-806	381-612	381-613
0.43 x 0.64mm	(.017" x .025")			381-809	381-808	381-614	381-615
0.46 x 0.64mm	(.018" x .025")			381-811	381-810	381-616	381-617
0.48 x 0.64mm	(.019" x .025")			381-817	381-816	381-618	381-619
0.55 x 0.64mm	(.021" x .025")			381-819	381-818	381-620	381-621

Package of 10

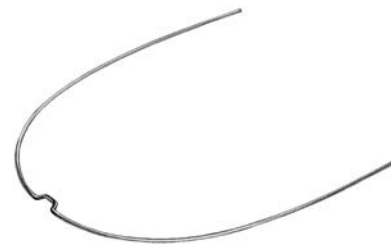
With Center Bend

- Small horizontal bend in the midline prevents sliding to the right or left.
- Upper wires feature a wider bend of 4.5mm (.178").
- Lower wires have a narrower 3.2mm (.124") bend.



Wire Size		Straight Arch Form		Curved Memory	
		Upper	Lower	Upper	Lower
0.30mm	(.012")	381-863	381-862	381-570	381-571
0.36mm	(.014")	381-865	381-864	381-572	381-573
0.41mm	(.016")	381-833	381-832	381-574	381-575
0.46mm	(.018")	381-835	381-834	381-576	381-577
0.51mm	(.020")	381-867	381-866	381-578	381-579
0.41 x 0.41mm	(.016" x .016")	381-869	381-868	381-580	381-581
0.41 x 0.56mm	(.016" x .022")	381-837	381-836	381-582	381-583
0.43 x 0.64mm	(.017" x .025")	381-839	381-838	381-584	381-585
0.46 x 0.64mm	(.018" x .025")	381-871	381-870	381-586	381-587
0.48 x 0.64mm	(.019" x .025")	381-873	381-872	381-588	381-589
0.55 x 0.64mm	(.021" x .025")	381-875	381-874	381-590	381-591

Package of 10



Shiny Bright Stainless Steel Wire

- Heat-treated and stress-relieved to provide spring properties without brittleness.
- Clearly marked midlines.
- 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

35.6cm (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

TiMolium® Titanium Wire

- Flexibility, continuous force and springback of nickel titanium.
- High stiffness and bendability of stainless steel wire.
- Can be welded.
- Convenience-Pak packaging.



Wire Size	Standard Arch Form		Straight Arch Form			
	Upper	Lower	Upper Small	Upper Large	Lower Small	Lower Large
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

TiMolium Aesthetic Wire



Wire Size	Straight Arch Form	
	Upper Small	Lower Small
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 Wire

Nickel Titanium



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

Braided 8-Strand 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

Specialty Archwire

TP Original Stainless Steel 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 for more pressure and resistance to deformation.

Premier Grade (Black Label)

- Higher tensile strength.
- 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)

- Used by experienced operators.
- Hardness and resiliency of 0.41mm (.016") size supports anchorage and 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 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")		231-331	232-431	233-531

Package of 30

*Tip-Edge System compatible.

800-348-8856

Specialty Archwire

Rounded Rectangular Wire

- Stainless steel.
- Rounded corners.
- Recommended for use throughout treatment after leveling.
- Conform to average upper and lower arch forms with centerlines clearly marked.
- Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Standard Arch Form		Straight Arch Form		17.8cm (7") Lengths
	Upper	Lower	Upper	Lower	
0.41 x 0.56mm (.016" x .022")			381-356	381-355	
0.43 x 0.64mm (.017" x .025")			381-364	381-363	
0.46 x 0.64mm (.018" x .025")			381-385	381-384	380-182
0.48 x 0.66mm (.019" x .026")	381-397	381-396	381-399	381-398	380-196
0.55 x 0.69mm (.0215" x .027")			381-360	381-359	

Package of 10

Co-Ax[®] Wire

- Aligns crowded and rotated anteriors.
- Provides light, continuous forces over a long period of time.
- Features clearly marked midlines.
- Upper arches feature triple etch marks; lowers have single etch marks.



CO-AX COIL

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

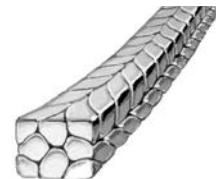
CO-AX 35.6cm (14") LENGTHS

0.46mm (.018")
231-375

Package of 10

Woven 8-Strand Wire

- Rectangular outer dimension.
- Can be soldered or bent into loops.
- Conforms to average upper and lower arch forms.
- Features clearly marked midlines.
- Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.53 x 0.64mm (.021" x .025")	381-155	381-154	381-149	381-148

Package of 10

Tip-Edge® System Archwire

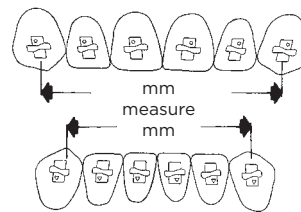
Tip-Edge Archwires

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



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

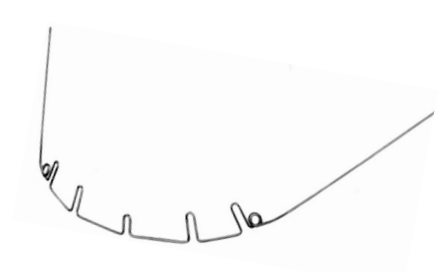
*Kits include 48 wires of assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



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.

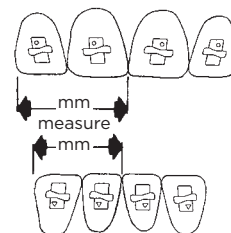
Tip-Edge Looped Archwires

- 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® System Archwire

TP Original Preformed Archwires

- Formerly Australian Wire.
- Leveling in early stages of treatment and for overbite correction.
- Centerlines are marked (upper white, lower red).
- 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.



Wire Size		Standard Arch Form		Straight Arch Form	
		Upper	Lower	Upper	Lower
0.41mm	(.016")	336-331	336-330	336-321	336-320
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

Bow-Flex Wire

- Stainless steel wire.
- Can be electropolished to an aesthetically bright, stainless color.
- Formed slowly with the beaks of a light wire plier.
- Centerlines are marked white on upper arches and red on lower arches.
- Available in coils and 12" lengths.



Wire Size		Standard Arch Form		Straight Arch Form	
		Upper	Lower	Upper	Lower
0.41mm	(.016")	230-404	230-405	230-414	230-415
0.51mm	(.020")	230-408	230-409	230-418	230-419

Package of 10

7.5m (25 ft.) COIL

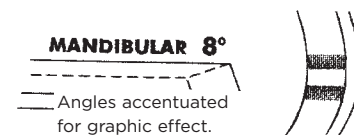
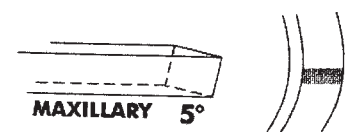
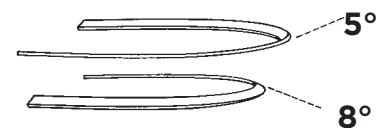
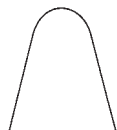
Wire Size		Order No.
0.36mm	(.014")	230-510
0.41mm	(.016")	230-520
0.46mm	(.018")	230-530
0.51mm	(.020")	230-540

Package of 1

Pretorqued Archwires

- 0.55 x 0.71mm (.0215" x .028") stainless steel.
- 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.
- Inverted to achieve either labial or lingual root torque.

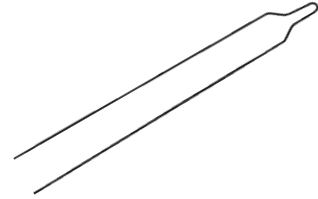
- 381-195** Maxillary 5°
 - 381-196** Mandibular 8°
- Package of 10



Ligature Wires

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

Angular Twisted Ligature Ties

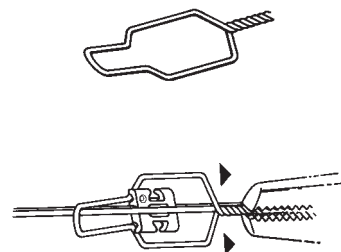
- Precise, convenient shapes with looped ends angulated for easy placement.
- Stainless steel.

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

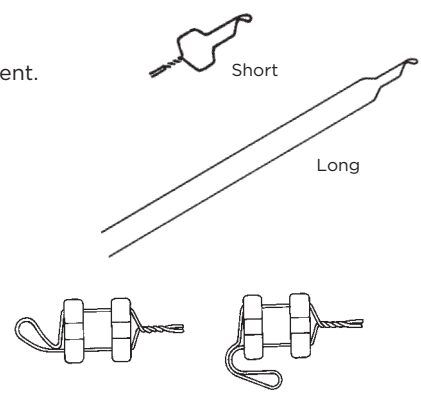


Kobayashi Ligature Ties

- Precise, convenient shapes with looped ends angulated for easy placement.
- 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.

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

0.11 kg (.25 lb.),

800-348-8856

Notes

INTRAOURAL

INTRAORAL

Crimpable Hooks and Stops

- Coated Crimpable Hook
 - Standard
 - Aesthetic
- Ribbed Crimpable Hook
 - Standard
 - Aesthetic
- Crimpable Stop
 - Standard
 - Aesthetic
- Solderable Stop

Bondable Traction Hooks

Separators

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

Reflex® Coil Springs

- Double
- Open
 - Aesthetic
- Closed

Vertical Slot Auxiliaries

- Power Pin
- Power Hook
- Disposable Flexible Ruler

Rotating and Uprighting Springs

- Rotating
- Standard Uprighting
- Side-Winder Uprighting
 - Original
 - Invisible
- Auxiliaries Combo Box

Palatal Arch Bars

- Preformed with Distal Loop
- Reverse with Mesial Loop

Torquing Auxiliaries

- Torque Bar
- Individual Root Torque

Outrigger Appliance

Lip Bumpers

Coated Crimpable Hook

- 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.

- 226-010** Crimpable Hook
Package of 10 (bag)
- 226-020** Oriented Crimpable Hook
Package of 20 (box)
- 226-010W** Crimpable Hook (aesthetic coating)
Package of 10 (bag)
- 226-020W** Oriented Crimpable Hook (aesthetic coating)
Package of 20 (box)



Oriented

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.

- 226-014** Ribbed Crimpable Hook
Package of 10 (bag)
- 226-015** Oriented Ribbed Crimpable Hook
Package of 20 (box)
- 226-014W** Ribbed Crimpable Hook (aesthetic coating)
Package of 10 (bag)
- 226-015W** Oriented Ribbed Crimpable Hook (aesthetic coating)
Package of 20 (box)



Oriented

Crimpable Stop

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



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

226-009 Crimpable Stop
Package of 10

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

- 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.

Round Traction Hook

- 34mm (1.338") chain.
- Formed from 0.31mm (.012") ligature wire.
- Stiff ligating chain used when tooth is deeply imbedded in gingival tissue.
- Chain can be cut to required length.



Round Traction Hook

Rumely Traction Hook

- 14K gold-filled chain.
- Diameter of the bonding base is 3.56mm (.140").
- Chain is 31.75mm (1.25") long and flexible.
- Chain links are large enough for easy engagement of elastic thread.

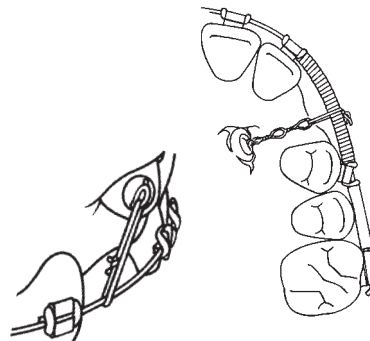


Round Traction Hook with Stiff Chain

- 224-011** Round Traction Hook
- 224-012** Round Traction Hook with Stiff Chain
- 224-014** Rumely Traction Hook with Flexible Chain
Package of 10



Rumely Traction Hook with Flexible Chain



Self-Locking Separating Springs

- Produces continuous mild pressure and attains sufficient separation for band placement in three to four days.
- Use for separating teeth to aid in eruption.
- Easily placed and removed with ordinary small beak pliers.

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

Package of 100



Short Length—used between bicuspid and cuspids.
(Length .300-.320)



Long Length—used between molars where the contact area is wide.
(Length .380-.400)



Medium Length—used between bicuspid, bicuspid and molars, or between molars if the contact area is small.
(Length .340-.360)



Extra Long Length—used between molars with broad interproximal contacts.
(Length .420-.440)

“C” Separation Maintainers

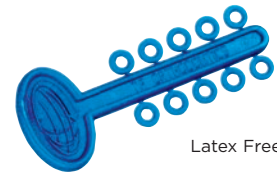
- Place around contact areas of posterior teeth to maintain space.
- Use during intervals between banding appointments to hold space.
- Fabricated from 0.81mm (.032”) brass wire.



225-003 “C” Separation Maintainers
Package of 100

Super Slick® Stick Separators

- Designed for individual patient use.
- Oval end assures easy grasping.
- Dark blue color simplifies identification.
- Place with TPO Sep-A-Rings placing plier (100-135).



Latex Free

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

Sep-A-Rings® Separators

- Separate teeth prior to band placement.
- Precision molded from elastomeric material.
- Blue in color for identification.
- Wedge-shaped inner circumference.
- Separates teeth in two or three days.
- Two sizes – small for anterior and large for posterior teeth.
- Super Slick has slippery surface for easy seating.
- Place with TPO Sep-A-Rings placing pliers (100-135).



Latex Free
Not Radio Opaque

Super Slick®

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

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

Reflex® Coil Springs

- Made from Reflex nickel titanium wire.
- Delivers light, continuous force for efficient tooth movement.
- Reactivation is not necessary.
- Springs will not deform when compressed or elongated, and return to their original shape as teeth move.

Double Coil Springs

- Packaged in 18cm (7") lengths.
- Cut to any length to provide optimum continuous maintenance or expansion force.

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



Double Coil

Open Coil Springs

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

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.
- Coating is the same as the aesthetic wires.
- The entire coil spring is coated.



Open Coil

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

- Delivers 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.



Closed Coil

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

Vertical Slot Auxiliaries

Power Pin

- Versatile auxiliary to engage steel ligatures, elastics or any type of elastomers.
- Low profile gingival head portion with a 15° labial inclination.
- Low profile for patient comfort and improved aesthetics.
- Use on either the left or right.
- Insert or remove from the vertical bracket slot with archwire and ligatures in place.



Stainless Steel Pins	Standard	Long*
Oriented Box of 50	201-140	201-143
Non-Oriented Pack of 1,000	201-140M	

*Recommended for use with:

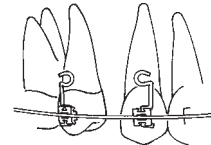
- PLUS SL Brackets
- TPO Ceramic Brackets with vertical slot

Power Hook

- Power hook leg – 0.46 x 0.46mm (.018" x .018").
- Retraction or space closure on cuspids or bicuspid.
- Eliminates the need for special retraction brackets when inserted into the vertical slot.
- Hooks are of proper height to place force at the center of the long axis of the teeth.
- Cuspids and bicuspid can translate with less tendency for tipping.
- Place or remove any time during treatment.
- Place with archwires attached.

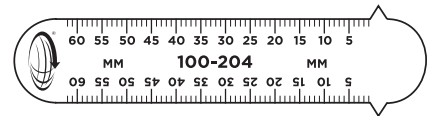


201-131 Long (cuspids)
Oriented: Box of 20



Disposable Flexible Ruler

100-204 Flexible Ruler
Package of 10



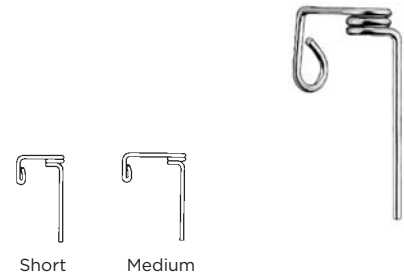
Rotating and Uprighting Springs

Rotating Spring

- Use with vertically slotted brackets.
- Achieves desired rotation in six weeks.
- Springs with short horizontal arms are recommended for lower anteriors.
- Use springs with medium arms on all other teeth.

Length	Direction*	Oriented
Short	CCW	240-107
	CW	240-108
Medium	CCW	240-111
	CW	240-112

*Indicates desired direction of rotation when observing tooth from occlusal.
Oriented: Box of 20



Standard Uprighting Spring

- Upright individual teeth mesiodistally when used with vertically slotted brackets.
- Springs are made from 0.36mm (.014") wire.
- 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
Short	CCW	214-189
	CW	214-190
Long	CCW	214-191
	CW	214-192

*Indicates direction crown needs to upright when observing tooth from labial.
Non-Oriented: Package of 10



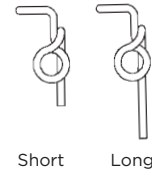
Rotating and Uprighting Springs

Original Side-Winder Uprighting Spring

- Coil rests on labial surface of single-wing brackets.
- Insert 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

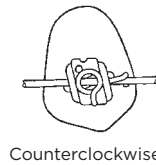
- Straight arm with right-angle hook allows spring to lie nearly parallel.
- Use with Straight-Edge and Tip-Edge brackets.
- Invisible Side-Winder springs are placed first and the elastomeric ties second.
- Elastomeric tie retains both the archwire and the spring.
- Ties replace without removing the springs at future appointments.

FOR SINGLE WING BRACKETS

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



Rotating and Uprighting Springs Auxiliary Combo Boxes

- Contain an assortment of common auxiliaries.
- Oriented in wax.
- Available in clockwise and counterclockwise series.
- Original or invisible side-winder springs.

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

240-122 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

240-123 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

240-124 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



Power Pin



Crimpable Hook



Rotating Spring



Original Side-Winder



Invisible Side-Winder



Oriented

Palatal Arch Bars

- Control of upper first molars for stabilization, rotation, torquing or expansion.
- Rotate molars 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.
- Ligate palatal arch bars to the lingual sheath.

Preformed Palatal Arch Bars

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



Preformed Arch Bar

Reverse Palatal Arch Bars

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



Reverse Arch Bar

mm	Preformed Arch Bar	Reverse Arch Bar
37	352-237	
43		352-043
46		352-046
49		352-049

Individual Sizes: Package of 5

Torquing Auxiliaries

Torque Bar

- Anterior lingual root torque with maximum aesthetics.
- Nickel titanium.
- Shape memory ensures full activation until incisors have reached desired inclinations.
- Auxiliaries with 20° or 30° torque should be used for active torque delivery.
- 0° torque bars are for braking or stabilizing lower incisors.
- 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")
30°	343-107	343-104

Package of 5

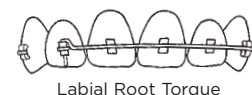
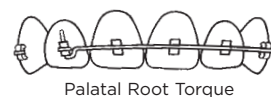
Torquing Auxiliaries

Individual Root Torque

- Use with edgewise brackets with a vertical slot to torque a single tooth.
- Achieve palatal or labial root torque.
- Insert into the bracket's vertical slot from the incisal to achieve palatal root torque.
- Insert from the gingival to create labial root torque.

To prevent over-torquing, 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



Outrigger Compliance Appliance

- Easy to use — engages on the main archwire.
- Simple means of ensuring Class I, II or III elastic wearing.
- Reduces adverse vertical forces delivered by Class II elastics.
- Compatible with most treatment mechanics.
- Available in nine sizes.

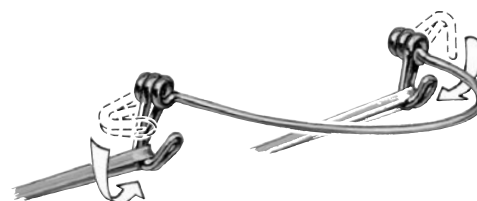
To determine size, measure from the distal of the right lateral bracket to the distal of the left lateral bracket.

mm	Color	Order No.
28	Pink	226-128
30	Orange	226-130
32	Tooth	226-132
34	Red	226-134
36	Yellow	226-136
38	Blue	226-138
40	Green	226-140
42	Black	226-142
44	Purple	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



Outrigger Appliance



Outrigger in place with elastics engaged

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.

LIP BUMPER

Size	With Lig. Hook
1	380-461
2	380-462
3	380-463
4	380-464
5	380-465
6	380-466

Package of 3



Sizes 1-6 with Molar Loops



Ligation Hook

ELASTICS AND ELASTOMERS

ELASTICS AND ELASTOMERS

Elastics

- Tru-Force® Latex Elastics
 - Cartons
 - Master Pouches
 - Bulk
- Elastics Bags

Elastomers

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

Tru-Force® Latex Elastics Cartons

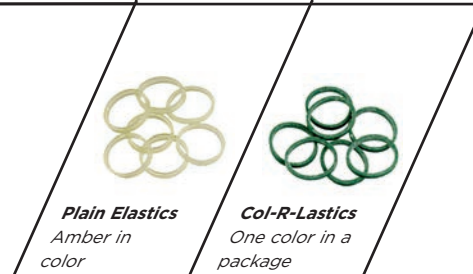
Cartons contain either 60 or 80 individual resealable patient packets of 100 elastics.



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

Plain elastics are light amber or nearly colorless.

Col-R-Lastics® elastics feature a single color in each package.



ELASTICS AND ELASTOMERS

Tru-Force® Latex Elastics Master Pouches

Master Pouch contain 20 resealable 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 (105g)	3.2 oz (92 g)	362-005	
	Red	3.5 oz	4.0 oz (113g)	3.6 oz (104g)	362-004	372-004
	Grey	4.5 oz	4.5 oz (129g)	4.2 oz (120g)	362-014	372-014
3/16"	Fiesta Pink	6 oz	8.7 oz (249g)	7.2 oz (206g)	362-024	
	Magenta	8 oz	10.6 oz (301g)	9.0 oz (256g)	362-034	
	Blue	3.5 oz	4.6 oz (131g)	3.3 oz (94g)	362-003	372-003
1/4"	Orange	4.5 oz	4.9 oz (139g)	3.5 oz (99g)	362-013	
	Teal	6 oz	8.0 oz (228g)	5.6 oz (161g)	362-023	
	Lime	8 oz	10.0 oz (284g)	6.8 oz (195g)	362-033	
5/16"	Yellow	2 oz	2.6 oz (74g)	1.6 oz (47g)	362-000	372-000
	Green	3.5 oz	3.1 oz (89g)	1.8 oz (54g)	362-002	372-002
	Tan	4.5 oz	3.6 oz (103g)	2.2 oz (63g)	362-012	
3/8"	Mauve	6 oz	6.5 oz (187g)	4.0 oz (114g)	362-022	
	Pink	3.5 oz	2.9 oz (83g)	1.5 oz (43g)	362-001	372-001
	Lavender	4.5 oz	3.2 oz (93g)	1.7 oz (50g)	362-011	

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 in each package.



Plain Elastics
Amber in color



Col-R-Lastics
One color in a package

Tru-Force® Latex Elastics

Bulk Packs



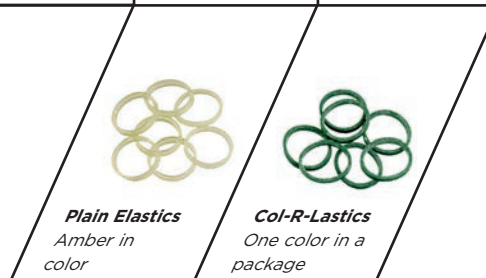
Bulk packages contain 1,000 elastics.

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. (105g)	3.2 oz (92g)	360-005	
	Red	3.5 oz	4.0 oz (113g)	3.6 oz (104g)	360-004	370-004
	Grey	4.5 oz	4.5 oz (129g)	4.2 oz (120g)	360-014	370-014
3/16"	Fiesta Pink	6 oz	8.7 oz (249g)	7.2 oz (206g)	360-024	
	Magenta	8 oz	10.6 oz (301g)	9.0 oz (256g)	360-034	
	Blue	3.5 oz	4.6 oz (131g)	3.3 oz (94g)	360-003	370-003
1/4"	Orange	4.5 oz	4.9 oz (139g)	3.5 oz (99g)	360-013	
	Teal	6 oz	8.0 oz (228g)	5.6 oz (161g)	360-023	
	Lime	8 oz	10.0 oz (284g)	6.8 oz (195g)	360-033	
5/16"	Yellow	2 oz	2.6 oz (74g)	1.6 oz (47g)	360-000	370-000
	Green	3.5 oz	3.1 oz (89g)	1.8 oz (54g)	360-002	370-002
	Tan	4.5 oz	3.6 oz (103g)	2.2 oz (63g)	360-012	
3/8"	Mauve	6 oz	6.5 oz (187g)	4.0 oz (114g)	360-022	
	Pink	3.5 oz	2.9 oz (83g)	1.5 oz (43g)	360-001	370-001
	Lavender	4.5 oz	3.2 oz (93g)	1.7 oz (50g)	360-011	

Packages of 1,000 counted by weight.

Plain elastics are light amber or nearly colorless.

Col-R-Lastics elastics feature a single color in each package.



Empty Elastic Bags

- Available in ten colors that coordinate with TPO® elastic color codes.

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

Mini Stix Ligature Ties

- Ten elastomeric ligatures on a central stick with a 3.0mm (.120") outer diameter.
- Highly resilient, colorfast and stain-resistant material.
- Super Slick coating available that provides a slippery surface when moistened for reduced friction.

Color	Mini Stix	Super Slick Mini Stix	Color	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



Latex-Free

383-941 Standard Mini Stix Assorted Colors Package
Package of 100 Stix (5 of each color)

Carousel Dispensers

- 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

Bold items below show ligatures included in multi-colored carousels.



361-098

Latex-Free

361-099

Latex-Free

Carousel Refill Tubes

Color	Standard Ligatures	Color	Standard Ligatures
Pale Pink	361-074	Pink	361-087
Lavender	361-075	Purple	361-088
Tooth-Colored	361-076	Green	361-089
Mint	361-077	Blue	361-090
Evergreen	361-079	Black	361-092
Navy Blue	361-080	Red	361-093
Burgundy	361-081	Yellow	361-094
Teal	361-082	Orange	361-095
Silver-Grey	361-083	Light Blue	361-096
Clear	361-086	White	361-097

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.

Stickyring® Ligature Holder

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

100-470 Stickyring
Package of 10



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.

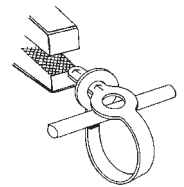


Latex-Free

		Measurement Between Circles		Clear	Grey
E1		0.040"	(1.02mm)	389-001	384-001
E2		0.075"	(1.91mm)	389-002	384-002
E3		0.110"	(2.79mm)	389-003	384-003
E4		0.235"	(5.97mm)	389-004	384-004
E5		0.355"	(9.02mm)	389-005	384-005
E6		0.475"	(12.07mm)	389-006	384-006
E7		0.590"	(14.99mm)	389-007	384-007
E8		0.830"	(21.08mm)	389-008	384-008
E9		0.985"	(25.02mm)	389-009	384-009
E10		1.185"	(30.10mm)	389-010	384-010

Package of 10

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

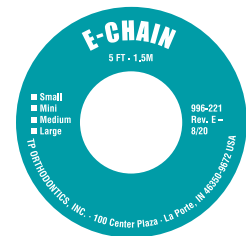


E-Chain

- 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
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

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 a 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.



Latex-Free

384-000 E-Kit with Grey Elastomers

389-000 E-Kit with Clear Elastomers

Elast-O Chain

Available in 0.74mm (.029") thickness.



386-050 1.5m (5 ft.) spool



Latex-Free

Slip Free Zing String® Elastomeric Thread

- Aesthetic, clear material.
- Special cohesive surface helps keep knots tied.
- Close space where it is impossible or impractical for the patient to place regular elastics.
- 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 7.5m (25 ft.)



Latex-Free

Slip Free Zing-O® String

- Ideal for intraoral applications such as minor space closing, slight rotations and cuspid retractions.
- 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 7.5m (25 ft.)

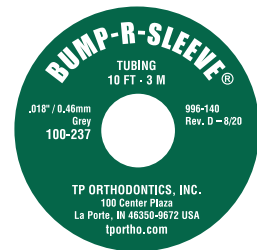


Latex-Free

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.
- Sleeves can function as horizontal stops to prevent over-closure of spaces anywhere in the arch.

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



Latex-Free

ADHESIVES

ADHESIVES

Bonding Adhesive

- eXact® Orthodontic Adhesive

Banding Cement

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

Bonding Preparation

- TPO® Blue Etchant Gel
- Enamel Conditioner Solution
- Enamel Conditioner Gel
- Porcelain Primer

Adhesive Accessories

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

eXact® Clear Orthodontic Adhesive

- Medium-high viscosity light cure adhesive.
- Use for metal, plastic or ceramic attachments.
- Cures completely clear - making it an exceptional system for aesthetic brackets.
- Prevents bracket drift, produces little flash and is extremely easy to clean up.



eXact Clear Light Cure Kit

151-270

Kit Contains:

- Light Cure Syringes, 4g (.141 oz), 2 ea.
- TPO Blue Etchant Gel in Syringe, 5 cc
- Replacement Tips (for Blue Etchant Gel)
- Light Cure Sealant, 6 cc
- Disposable Brushes, 50 ea.
- Foam Pellets, 100 ea.
- Spatula, 1 ea.
- Work Pad, 50 sheets

Replacement Materials

- 151-271** Paste in Syringe, 4g (.141 oz), 2 ea.
- 150-713** TPO Blue Etchant Gel in Syringe, 5 cc
- 151-272** Light Cure Sealant, 6 cc
- 150-704** Disposable Brushes, 50 ea.
- 150-705** Foam Pellets, 150 ea.
- 150-904** White Spatulas, 50 ea.
- 150-903** Work Pad, 50 sheets
- 100-620** Adhesive Mixing and Orientation Trays, 25 ea.

Single Syringe Package

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

CrossLink® Light Cure Band Cement

Single Patient Caplets

- No-mix, no-mess, single-use dispensing caplets.
- Cement is blue to help clinicians with clean up.
- Disposable squeeze caplet has an angled, tapered stem for excellent control when dispensing paste.
- Cut the caplet tip and dispense cement into bands.
- Fluoride ion releasing paste does not require sealant, and there is no rush to beat setting time.
- Complete light cure is accomplished in 30 seconds.
- CrossLink provides excellent band retention.



Single Band Caplet

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

Preloaded Syringes

- Composite no-mix, no-mess cement, with fluoride ion release, preloaded in syringes.
- Cement is blue to help clinicians with clean up.
- No sealant is needed, and there is no rush to beat a setting time.
- Complete light cure is accomplished in 30 seconds.

151-285 CrossLink Kit - Blue, 24g (.847 oz) paste, 6 ea.



Replacement Materials

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

150-904 White Spatulas, 50

Bonding Preparation

TPO® Blue Etchant Gel

- Can be used with any bonding system.
- 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.
- Etches enamel in 30 seconds.
- Phosphoric acid content 37%.



- 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

Enamel Conditioner Solution

Medium Viscosity

- Can be used with any bonding system.
- Contains a plaque disclosing agent (green color) on the teeth after rinsing if plaque is still present.
- After cleaning plaque, patient should be re-pumiced and re-conditioned.

- 150-020** Enamel Conditioner Solution, 9g (.317 oz)
Phosphoric acid content 37%



Enamel Conditioner Gel

Thick Viscosity

- Can be used with any bonding system.
- Thicker than enamel conditioner solution.
- Will not overflow onto gingival tissue when conditioning enamel.
- Blue color is readily seen during application.
- Easily removed by evacuation and/or rinsing with water.

- 150-015** Enamel Conditioner Gel, 20g (.705 oz)
Phosphoric acid content 37%



Porcelain Primer

- Prepares the surface of glazed dental porcelain for bonding of orthodontic attachments.
- The silane coupling agent chemically unites to the bonding adhesive and the silicon in porcelain.

- 150-810** Porcelain Primer, 16 cc



Adhesive Accessories

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.
- Vertical shield is offset to provide adequate tongue space.
- Surfaces 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



Adhesive Accessories

Lip Retractors

- Provide 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.
- Clear, easy-to-maintain shatterproof plastic.
- Fit most patients.
- Easy to insert and manipulate.
- Provide a view of the full arch for direct bonding procedures or intraoral photography.

100-517 FLEX-Retractor
Package of 3



CLASS II CORRECTION

CLASS II CORRECTION

VektorPRO Class II Corrector

Flip-Lock® HERBST® Appliance

VektorPRO Class II Corrector

- Fixed intraoral device that achieves class II correction with low forces.
- Gentle intrusive vector forces – only 3.5 ounces are produced.
- Mandible is free to move laterally resulting in patient comfort.
- Easy to install, clears the “food zone” and is compliance-independent.



Patented

Kits	Order No.
Class II Corrector Multi-Kit Kits consists of 2 pairs size 27, 2 pairs size 30, 2 pairs size 33, 1 archwire installation tool, 20 archwire locks	610-500P
Class II Corrector Kit—size 27	610-527P
Class II Corrector Kit—size 30	610-530P
Class II Corrector Kit—size 33	610-533P
Single Kit includes Left / Right Component plus 4 Archwire Locks	



Multi-Kit

Component Part	Order No.
27mm Left	610-527PL
27mm Right	610-527PR
30mm Left	610-530PL
30mm Right	610-530PR
33mm Left	610-533PL
33mm Right	610-533PR
Package of 5	



Left / Right Component

Archwire Locks	610-502
Package of 10	



Archwire Lock

Tool	Order No.
Archwire Lock Installation Tool	610-501
Each	



Archwire Lock
Installation Tool

CLASS II CORRECTION

Flip-Lock® HERBST® Appliance

- Activates using the “Flip-Lock” mechanism.
- Place crimpable spacers at regular intervals onto the exposed piston.
- No pins or screws.
- 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 2 pistons, 2 tubes, 4 ball hinges on small pad without slot	610-400
Single Patient Appliance Kit 2 pistons, 2 tubes, 4 ball hinges on large pad with slot	610-410
Single Patient Appliance Kit 2 pistons, 2 tubes, 4 ball hinges on large pad without slot	610-430
Single Patient Appliance Kit 2 tubes, 2 pistons, 2 posterior ball hinges, 2 cantilever/ball hinges without slot	610-420
Single Patient Appliance Kit 2 tubes, 2 pistons, 2 posterior ball hinges, 2 cantilever/ball hinges with slot	610-424
Inventory Kit 30 pistons, 30 tubes, 60 ball hinges, 95 spacers	610-409



Component Part	Order No.
Pistons	610-403
Tubes (5 left, 5 right)	610-404
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

FINISHING AND RETENTION

FINISHING AND RETENTION

Pre-Finisher® Appliance

- Multi-kits
- Disposable Ruler
- Individual Appliances
- Asian

Preformed 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
- Lingual Bond-A-Splint® Retainers

Pre-Finisher® Appliances

Multi-kits

- Corrects and relates teeth in both arches simultaneously.
- Aligns, rotates and closes spaces.
- Adequate coverage of second molars, when required.
- Sized in one-millimeter increments for precise fitting.
- Molded airways increase patient acceptance and cooperation.
- Available with seating springs for added retention.
- Phthalate- and BPA-free.
- Can be used for aligner case finishing and refinement.



INTRODUCTORY KIT

(10 Assorted Sizes)

Non-Extraction **190-010**

INVENTORY KIT

(20 Assorted Sizes)

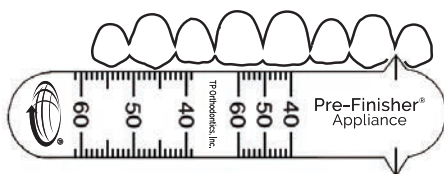
Non-Extraction **190-020**

INTRODUCTORY KIT CONTENTS

190-010 Contents	Qty
190-048	1
190-049	1
190-050	2
190-051	1
190-052	2
190-053	1
190-054	1
190-055	1

INVENTORY KIT CONTENTS

190-020 Contents	Qty
190-046	1
190-047	1
190-048	1
190-049	2
190-050	4
190-051	2
190-052	4
190-053	2
190-054	1
190-055	1
190-056	1



Pre-Finisher Disposable Ruler

- Disposable.
- Single use.
- For accurate Pre-Finisher appliance fitting.

100-102 Pre-Finisher Ruler
Package of 5

Pre-Finisher® Appliances

Individual

Last two digits of order number indicate size of Pre-Finisher Appliance in millimeters. Part numbers shown in **bold** are popular sizes.

NON-EXTRACTION SERIES

Can also be used on first molar extraction cases.

Plain			With Seating Springs		
190-044	190-049	190-054	190-144	190-149	190-154
190-045	190-050	190-055	190-145	190-150	190-155
190-046	190-051	190-056	190-146	190-151	190-156
190-047	190-052	190-057	190-147	190-152	190-157
190-048	190-053	190-058	190-148	190-153	190-158

FOUR BICUSPID EXTRACTION SERIES

Plain			With Seating Springs		
190-449	190-452	190-455	190-549	190-552	190-555
190-450	190-453	190-456	190-550	190-553	190-556
190-451	190-454		190-551	190-554	

Asian Series

Last two digits of order number indicate size of Pre-Finisher Appliance in millimeters.

- 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

190-848	190-851	190-854
190-849	190-852	190-855
190-850	190-853	

ASIAN FOUR BICUSPID EXTRACTION SERIES

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	

Preformed Bondable Lingual Retainers

- 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.
- 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 are available through the TPO® Lab.

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

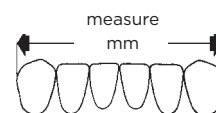
Original Medium Temper

- Eight sizes graduated in two millimeter increments.
- Heavy 0.81mm (.032") diameter Dentaloy® 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.

Preformed Bondable Lingual Retainers

Lower Combination Cuspid-Bicuspid

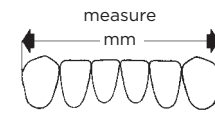
Original Medium Temper

- 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



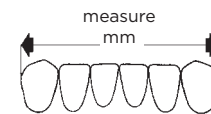
Size is determined by millimeter measurement between distal surfaces of canines. Measure along incisolingual edges.

Lower Cuspid to Cuspid

- 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	Original	Size	Accu-Fit	Original
	soft temper	medium temper		soft temper	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.

Preformed Bondable Lingual Retainers

Lower Lateral to Lateral

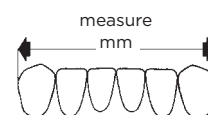
- Retains lower incisors while allowing cuspids to seek level position.
- Offsets in 0.66mm (.026") wire accommodate mesial marginal ridges of laterals.
- Six sizes in 1mm increments.



Size	Accu-Fit	Original	Size	Accu-Fit	Original
	soft temper	medium temper		soft temper	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	

*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



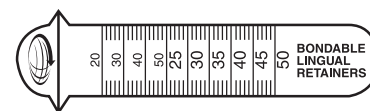
Size is determined by millimeter measurement between distal surfaces of canines. Measure along incisolingual edges.

Disposable Ruler for Bondable Retainers

- Used to determine proper appliance size.

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 5



Labial Trauma Splint

- 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



Preformed Bondable Lingual Retainers

Perio Bond-A-Bar

- 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

- Precision made from 0.43mm (.017") one-piece stainless steel strips with laminated mesh pads.
- Precontoured to simplify direct application on patients' teeth.



LOWER

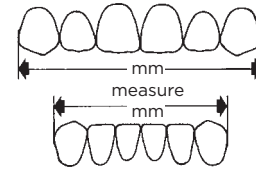
Size	Order No.
29	224-529F
31	224-531F
33	224-533F
35	224-535F
37	224-537F

Package of 2

UPPER

Size	Order No.
38	224-538F
40	224-540F
42	224-542F
45	224-545F
47	224-547F

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

INSTRUMENTS

INSTRUMENTS

Chairside

- Straight Shooter® Ligature Applicator
- M-D Reducer
- Bonding Forceps
- Bracket Placing Forceps
- Debonding Burs

Pliers

- Crimpable Hook Placement
 - Power Crimping Pliers
- 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 Pliers

Instrument Shield

Straight Shooter® Ligature Applicator

- Safe, convenient, hygienic means of applying elastomeric ligatures to edgewise brackets.
- Eliminates soft tissue damage.
- Two sizes are available. – mini bracket shooter is for mini and single-wing brackets; 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 Applicator

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

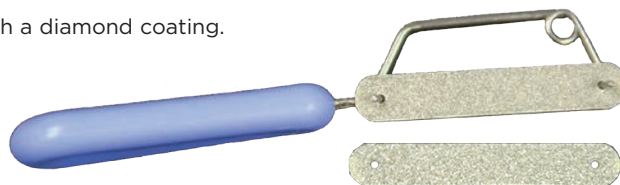
100-365 Twin Bracket Plunger Kit – plunger and 4 wire fingers



M-D Reducer

- Removes interproximal tooth mass from flat or curved surfaces.
- Use 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

Bonding Forceps

- Self-locking forceps with thin tips grasp brackets securely.

100-157 Bonding Forceps



Bracket Placing Forceps

- Slim, curved tips permit excellent field of vision.
- Simplify placement of steel ligatures and elastomerics.

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



Crimpable Hook Placement Pliers

- Feature a V-notch in the beak that greatly assists holding and compressing our small crimpable hooks.

100-172 Crimpable Hook Placement Pliers



Power Crimping Pliers

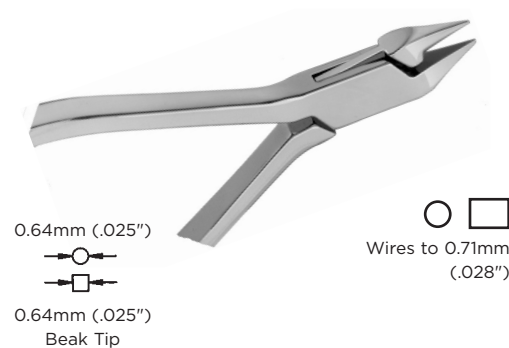
- Power handles make it easier to provide more force when placing TPO® crimpable hooks and ribbed crimpable hooks onto archwires.

100-192 Power Crimping Pliers

Light Wire Pliers without Grooves

- Smooth-tipped pliers bend archwires from 0.30mm (.012") to 0.71mm (.028").
- Flat "anvil" area ahead of box joint hinge permits wire straightening and increases grip on wire.

100-130P Light Wire Pliers without Grooves



Light Wire Pliers with Three Grooves

- Features 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

- Shear cut archwires and securely hold distal end of wire.
- Pliers cut within 0.5mm (.0197") of buccal tube.

100-138P Safety Distal End Cutter Pliers



Standard Ligature Cutter Pliers

- Effective for all soft wires, pins and elastics up to 0.30mm (.012").

100-140P Standard Ligature Cutter Pliers



Posterior Band Removing Pliers

- Stainless steel with medium length jaw and inserted tip.

100-141P Posterior Band Removing Pliers

100-161 Replacement Tip



Weingart Pliers

- Most popular utility pliers with long-wearing tips.

100-149P Weingart Pliers



Arch Contouring Pliers – Smooth

- Create proper contour in anterior segment of archwire.
- Degree of curve can be varied by regulating position of wire in beaks.

100-128 Arch Contouring Pliers – Smooth



Wires to 0.56mm
(.022")

Sep-A-Rings® Placing Pliers

- Limit excessive expansion which could cause rings to break.
- Rounded beaks protect patient and positively hold rings during placement.
- Use 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



Instrument Shield

- Use prior to heat sterilization to lubricate and protect instruments.
- Dissolves organic debris build-up in plier box joints.
- Helps extend life of instruments when used after every cleaning.

100-879 Instrument Shield, .95 L (1 quart)

OFFICE AND LABORATORY SUPPLIES

OFFICE AND LABORATORY SUPPLIES

Impression Trays

- Impression Trays
 - Extend-O®
 - Norm-O®
 - Solay®
- Dispatula
- Utility Wax Strips

Base Formers

- Flexible Plastic Model Base Former
- Rigid Plastic Model Base Former

Lab Supplies

- Model Finishing Soap
- Model Storage Boxes
- Bracket Inventory Boxes
- TP Original Lab Wire

Lab Tools

- Wax Spatula
- Cement Spatulas
- Bluegrass Roller

TPO® Demonstration Typodonts

Extend-O® Orthodontic Impression Trays

- 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.

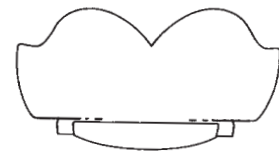


Teflon

TEFLON-COATED

Upper Sizes	Order No.	Lower Sizes	Order No.
1	125-011	1	125-001
2	125-012	2	125-002
3	125-013	3	125-003
4	125-014	4	125-004
5	125-015	5	125-005
6	125-016	6	125-006
7	125-017	7	125-007
8	125-018	8	125-008
Large Kit		125-100	
Mini-Kit		125-800	

Large kit includes upper and lower sizes 2 through 8.
 Mini-kit includes upper and lower sizes 3, 4, 5 and 6.
 Individual sizes: Package of 1



Extend-O Flange Height

Norm-O® Impression Trays

- Incorporate all the design features of Extend-O trays, except flange height is reduced.
- For patients with small mouths or low gingival sulcii, 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 Kit		179-100	
Mini-Kit		179-800	

Large kit includes upper and lower sizes 2 through 8.
 Mini-kit includes upper and lower sizes 3, 4, 5 and 6.
 Individual sizes: Package of 1



Norm-O Flange Height

Solay® Disposable Impression Trays

- 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.



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

Dispatula

Preserves life of trays when cleaning.

100-311 Dispatula
Package of 25



Utility Wax Strips

- 28cm (11") long x 5mm (0.1875") thick white wax strips.
- Build up impression trays, preserving the periphery roll, extending trays or postdamming.
- Approximately 64 strips in each box.



100-604 Wax Strips

Base Formers

Flexible Plastic Model Base Former

- Fabricated from flexible, blue plastic.
- 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	10.2cm	(4")	3.2cm	(1.25")	6.7cm	(2.625")	100-807
Medium	10.2cm	(4")	3.8cm	(1.5")	6.7cm	(2.625")	100-808
Large	11.4cm	(4.5")	3.2cm	(1.25")	7.6cm	(3")	100-809
X-Large	11.4cm	(4.5")	3.8cm	(1.5")	7.6cm	(3")	100-810

*Inside Dimensions

Rigid Plastic Model Base Former

- Fabricated from sturdy blue plastic.
- 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	10.2cm	(4")	3.2cm	(1.25")	6.7cm	(2.625")	100-805
Medium	10.2cm	(4")	3.8cm	(1.5")	6.7cm	(2.625")	100-804
Large	11.4cm	(4.5")	3.2cm	(1.25")	7.6cm	(3")	100-803
X-Large	11.4cm	(4.5")	3.8cm	(1.5")	7.6cm	(3")	100-802

*Inside Dimensions

Model Finishing Soap

- Produces a high quality finish on plaster models.

100-880 Model Finishing Soap, 3.8L (1 gallon)

Model Storage Boxes

- Holds four sets of models securely.
- Unique diagonal divisions are placed for trimmed model bases.
- Sturdy, double-faced corrugated board approximately 2mm (0.09375") thick.
- Shipped in single flat pieces for convenient storage.
- 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 5cm
(9.75" x 6.25" x 2")
Shipping weight of 50 boxes is approximately 8kg (17 lbs).

Large

26.7 x 16.5 x 5cm
(10.5" x 6.5" x 2")
Shipping weight of 50 boxes is approximately 9kg (20 lbs).

Bracket Inventory Boxes

- Plastic storage boxes.
- Molded inserts measure 12.7 x 18.4cm (5" x 7.25").
- Brackets not included.



100-907 Bracket Inventory Box
24 compartments



100-913 Large Inventory Box
28 compartments



100-900 Small Inventory Box
18 compartments

TP Original Lab Wire

- Strong, with excellent memory qualities.
- Nick resistant and easy to form.
- Polished and packaged in 30.5cm (12") lengths.

0.71mm (.028")	0.81mm (.032")	0.91mm (.036")
706-028	706-032	706-036

Package of 25



Wax Spatula

- Wax Spatula No. 7. stainless steel.
- Overall length 15.8cm (6.25").

100-320 Wax Spatula



Cement Spatulas

- Thin, flexible, stainless steel blades.

100-342 Cement Spatula, 3.8cm (1.5") Blade

100-343 Cement Spatula, 5.1cm (2") Blade



Bluegrass Roller

- Rollers are available in packages of five to fabricate bluegrass appliances.
- Corrects thumb sucking problems.
- Remains in the mouth for about six months to ensure the habit has been broken.

Designed by Dr. Bruce Haskell and Dr. John Mink.

611-025 Bluegrass Roller
Package of 5



TPO® Demonstration Typodonts

- TPO bracket systems and products.
- For demonstration purposes.
- Acrylic models.

- 800-054** InVu® MBT (standard size)
- 800-055** Tip-Edge® PLUS Ceramic
- 800-056** 1/2 InVu Mini & 1/2 Nu-Edge® Mini
- 800-057** Flip-Lock® HERBST® Cantilever
- 800-061** Nu-Edge MBT Mini
- 800-062** Tip-Edge PLUS Metal
- 800-063** 1/2 Tip-Edge PLUS Ceramic and 1/2 Tip-Edge PLUS Metal
- 800-071** ClearVu® (shown)
- 800-072** VektorPRO Class II Appliance
- 800-073** Nu-Edge SL Roth / MBT



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.



*Design may vary.

- 800-510** Wax Typodont without Appliances

Notes

Lined area for taking notes.

CUSTOM ORTHODONTIC APPLIANCES

CUSTOM ORTHODONTIC APPLIANCES

Introduction

Laboratory Services Order Information

Submitting a Case

- Direct Digital Workflow
- tportho.com (TPRX) Submission
- Mail-in Models or Impressions
- Filling Out Prescription Forms

Refine® Complete Aligner System

Indirect Bonding Service

- Brackets
- Splints

Finishing Appliances

- Original Tooth Positioner
- Mini-Positioner
- Refine® Appliance
- Pre-Finisher® Appliance

Tooth Positioning Appliances

- Set-Up and Articulation Methods
- Choice of Materials
- Precision Seating Springs
- Socket Liners
- Molded Airways
- Custom Hinge-Axis
- Normal Hinge-Axis
- Exercise Wear

Perfactor® Appliance

Spring Aligners

Hawley Retainers

Removable Appliances

Labial Bows

Clasps and Accessories

Space Maintainers/Regainers

Habit Appliances

Expansion/Arch Development

Splints

Functional Appliances

Flip-Lock® HERBST®

Varsity Guard®

Model Sculpture

- ABO Study Models
- Finished Models
- Unfinished Models

Preparing Impressions and Molds

Packaging Instructions

- Impressions
- Models

Appliance Design

- Pastel Palates®

tportho.com/custom

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 prescribed wearing time. If the appliance becomes damaged for any reason other than patient neglect, TPO will repair or replace it at no charge.

Please 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

Options for Submitting a Prescription



Direct Digital Workflow

1. Submit scan directly (inquire with scanner mfg. to add TP Orthodontics) and include patient information
2. Scan Rx form to **digitalrx@tportho.com**. Forms can be downloaded at <https://www.tportho.com/custom-lab-services/downloads/>

For the option to view and approve the case, a TPRX (Box) account is required; to open an account <https://www.tportho.com/custom-lab-services/tprx-signup/>

tportho.com (TPRX) Submission

Rx forms can be directly filled out and submitted online through TPRX at <https://www.tportho.com/custom-lab-services/submit-a-prescription/> (use paperclip icon to attach scans)

For the option to view and approve the case, a TPRX (Box) account is required; to open an account <https://www.tportho.com/custom-lab-services/tprx-signup/>



Mail-in Models or Impressions

Request mailing materials and forms from the Lab for submission. Forms can also be downloaded at <https://www.tportho.com/custom-lab-services/downloads/>

For the option to view and approve the case, a TPRX (Box) account is required; to open an account <https://www.tportho.com/custom-lab-services/tprx-signup/> (The Lab will digitize the model or impressions.)

Filling Out Prescription Forms

To obtain prescription forms, call TPO at 800-348-8856 or go to [tportho.com/custom](https://www.tportho.com/custom).

It is very important that you fill out your prescription form as completely as possible.

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.

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)

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 through 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)

670-320 “TOTAL 10” option provides up to 10 steps of movement (20 total trays and can be used for single or dual arch treatment)

Supplemental ordering options are as follows:

670-349 “Diagnostic” — submit a case without ordering a specific number of trays until the case is viewed 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



refine®
Complete Aligner System

Indirect Bonding

Brackets

Detailed impressions or a model poured in high quality stone should be sent along with the digital files and 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.



Splints and Retainers

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 — clear tray for light curing.



TPO is not responsible for bond failures when using indirect bonding.



Maxillary Custom Lingual Retainer



Bond-A-Splint Retainer



Bond-A-Bar



Bondable Lingual Retainer

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.



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.



Finishing Appliances

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.



Pre-Finisher® Semi-Custom 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 as a possible finishing option. Additional information can be found in Section 9.

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 - Digital

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.

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

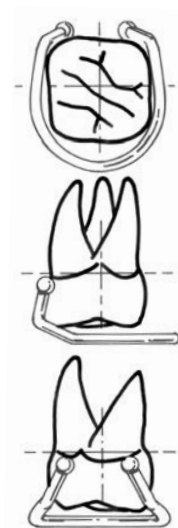
Precision Seating Springs

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.

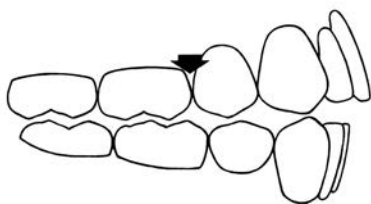
The use of springs mesial to first molars in both arches is recommended for maximum retention or when lower space closure is desired in first bicuspid extraction or non-extraction cases.

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.

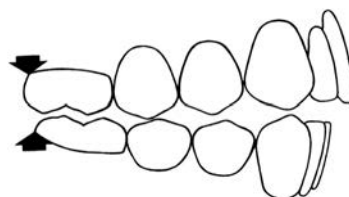
First molar extraction cases would have Seating Springs distal to upper and lower second molars to maintain extraction space closure.

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.

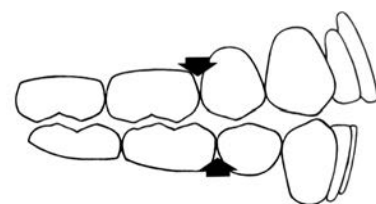
Suggested Locations for Precision Seating Springs



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.

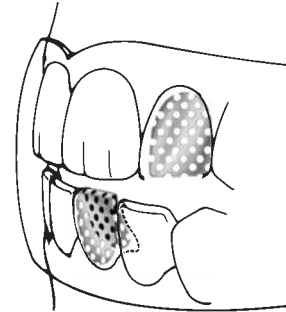
Tooth Positioning Appliances

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”



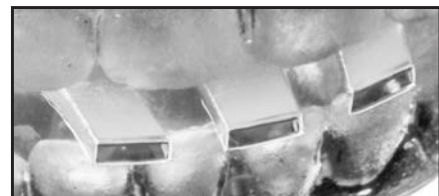
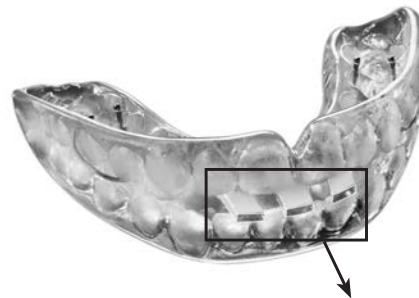
Socket Liners are indicated when the original malocclusion exhibited severe anterior crowding. Can be used on any or all of the central or lateral incisors.

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.

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

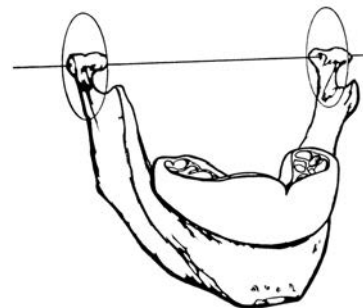
Custom Hinge-Axis

Eliminate problems caused by an incorrect hinge-axis opening by requesting that all your positioning appliances are fabricated on a Custom Hinge-Axis. This hinge-axis registration is determined from a recent lateral head x-ray.

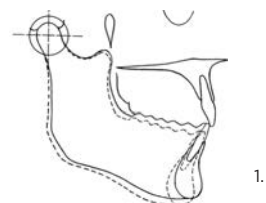
To help you appreciate the importance of constructing a Tooth Positioner or Mini Positioner on the proper hinge-axis, merely trace the mandibles of a few of your patients. Superimpose them all on the lower anterior teeth and occlusal planes and note the various relationships of the condyles.

The importance of using the patient's own hinge-axis is demonstrated by these examples:

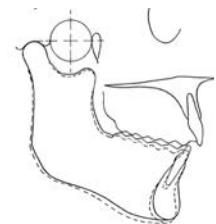
1. When the patient wears a properly constructed tooth positioning appliance (made on his/her own hinge-axis) and desired tooth movements take place, the jaws will establish themselves in the proper anteroposterior relationship as shown by the dotted lines. When the appliance is removed and the patient closes about the same hinge-axis, an ideal occlusion (solid lines) will be created.
2. If the mandible is held in an improper relationship to the maxilla due to an incorrect hinge-axis (as indicated by the dotted lines), the jaws will assume this relationship as a result of wearing the appliance. Intra-arch tooth corrections will still take place as indicated on the set-up; however, when the patient closes about his/her own hinge-axis, a Class II tendency is evident (solid lines). This change, due to a faulty appliance, is often interpreted as relapse and/or a lack of proper wearing.
3. If the "Normal" Hinge-Axis relationship is used and it misses the patient's actual axis, as shown, the mandible will be held in the appliance (as represented by the dotted lines). Appliance wear will result in the patient's lower dental arch assuming this relationship to the upper. Removal of the appliance and closure into "centric" will reveal the creation of a Class III tendency.



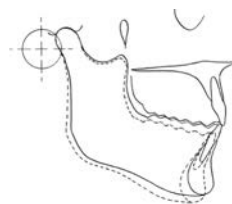
Use the patient's custom hinge-axis for comfort and accurate tooth movement.



1.



2.



3.

Prescribing a Custom Hinge-Axis Appliance

First, indicate on the prescription sheet that the Custom Hinge-Axis is to be used. Second, include either a recent lateral head x-ray, or preferably, a "Hinge-Axis Analysis Sheet" with the following points traced: the center of the condylar head (this represents the hinge-axis), the occlusal plane and the incisal edge of the lower central incisors.

To eliminate any chance of lost headplates, and to expedite construction of appliances, we recommend that you send tracings rather than x-rays.

If you prefer TPO to trace your lateral headplate, please be sure the condylar head area shows clearly. The appropriate tracing will be made and your unaltered headplate returned with the appliance.

HINGE-AXIS ANALYSIS

For Patient: _____
 Date: _____
 Sex: _____

INSTRUCTIONS:
 First, place the center of "Hinge-Axis Circle" (marked on the sheet directly over the patient's hinge-axis) on the patient's actual hinge-axis (as shown in the illustration below).
 Then, keeping the center of the Hinge-Axis Circle over the patient's hinge-axis, rotate the sheet until the patient's occlusal plane is parallel with the guide lines. Mark the line extending from the incisal edge on condyles (center of the most anterior lower incisor). Our technicians will accurately transfer the registration to the appliance and set up when constructing the patient's Positioner.

TP Orthodontics, Inc. La Porte, Indiana 46340-0000

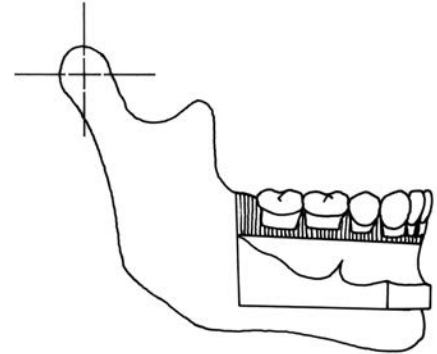
Hinge-Axis Analysis Sheet

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.

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.

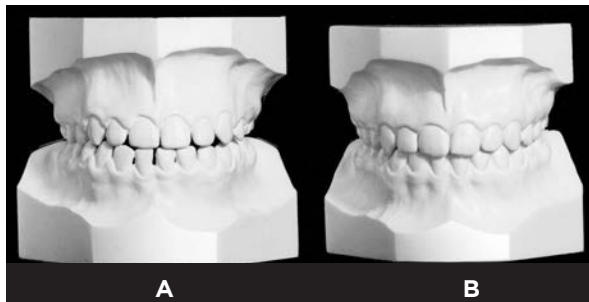
This is repeated over and over during the hours of daytime wearing. Initially the patient will experience discomfort, and will be able to exert pressure for only a short time. Gradually, the muscles will become developed and biting pressures can be increased and maintained for longer periods of time.

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

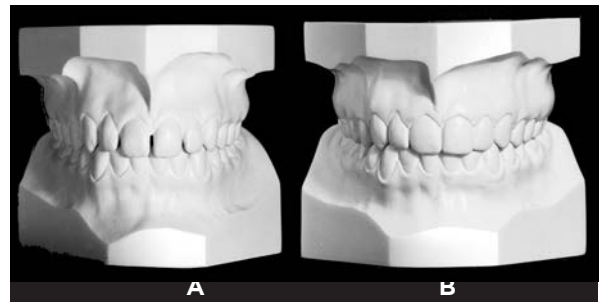
Time Period	Wearing Schedule
First 2 weeks	3 to 4 hours of exercise during the day, plus while sleeping
Next 4 weeks	2 to 3 hours of exercise during the day, plus while sleeping
Next 6 weeks	2 hours of exercise during the day, plus while sleeping
Next 2 to 3 months	1 hour of exercise during the day, 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



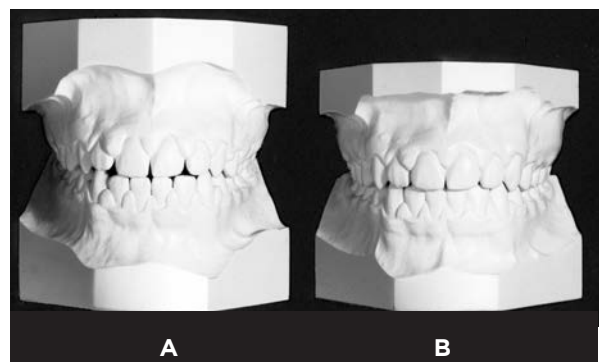
2. Space Closure

- 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

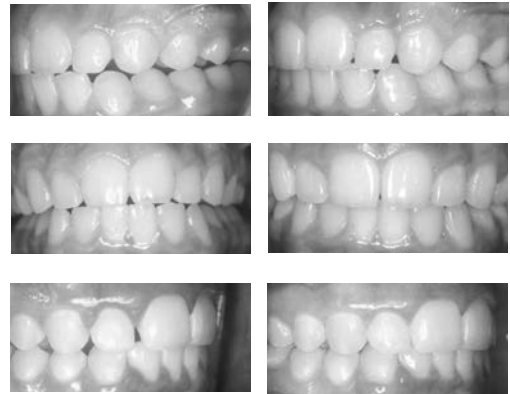
Multi-function Finishing Appliance

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

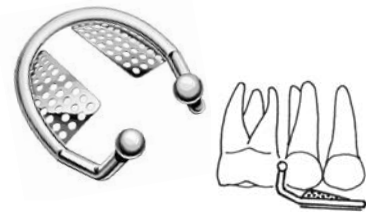
Labial Acrylic

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.



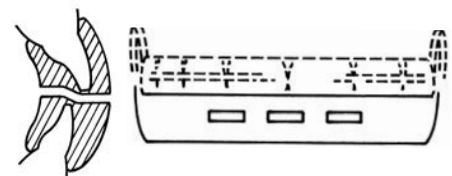
Seating Springs

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 Original

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 Mini

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.



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.



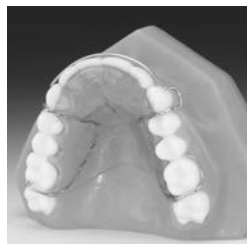
Hawley with Soldered "C" Clasps

"C" Clasps provide positive retention.



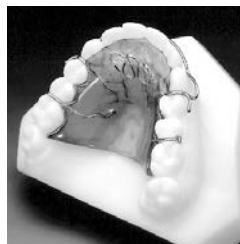
Hawley with Adams Clasp and Expansion Screw

Activate screw to move tooth labially.



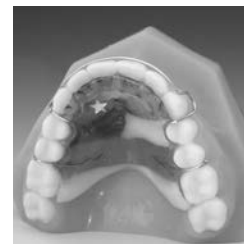
Hawley with "C" Clasp and Finger Spring

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.



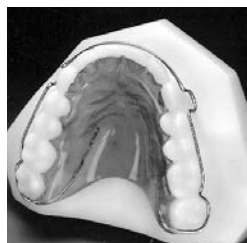
Hawley with Ball Clasps

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 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.

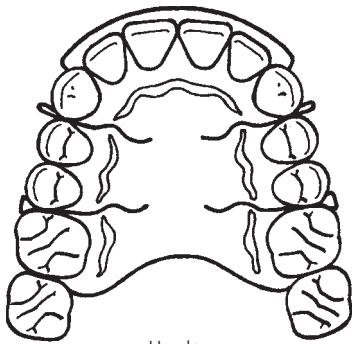
Removable Appliances

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.

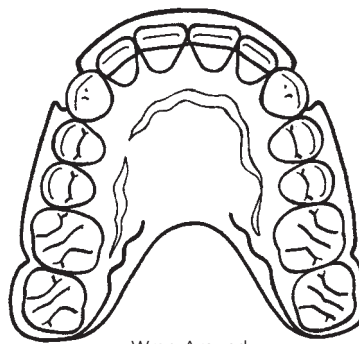
If you have a special treatment goal to accomplish, feel free to discuss your thoughts with one of our experienced technicians. They will assist you with a retainer design to achieve your objectives.

Labial Bows

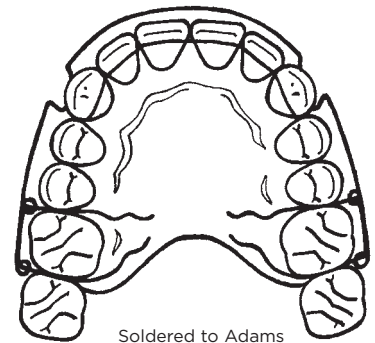
Labial bows are a customary design element of the removable retainer. Upper and lower retainers usually have a labial bow constructed from .028" or .030" wire. Labial bows are most often used for retention, although they can also provide minor tooth alignment or improve anterior protrusion. A few designs are shown below.



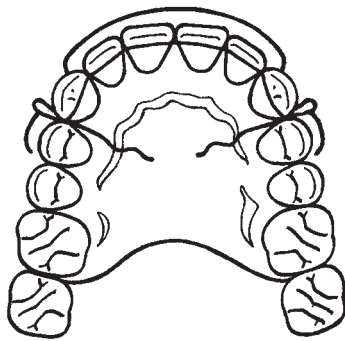
Hawley



Wrap Around



Soldered to Adams

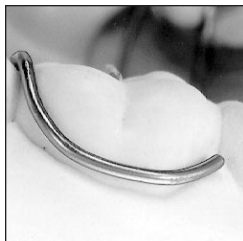


With Soldered "C" Clasps

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.

Clasps and Accessories



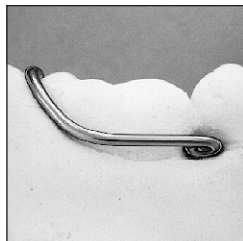
“C” Clasp

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.



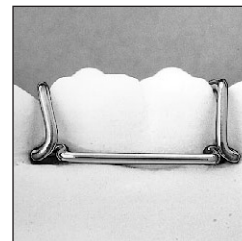
“L” Clasp

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.



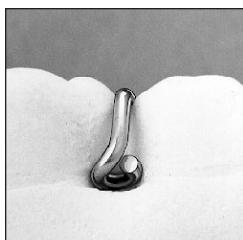
Adams Clasp

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.



Eye Clasp

A stable interproximal clasp with a broader eye than the Anchor Clasp to provide greater contact on crowns. Slightly adjustable.



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.

Fixed Space Maintainers / Regainers



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

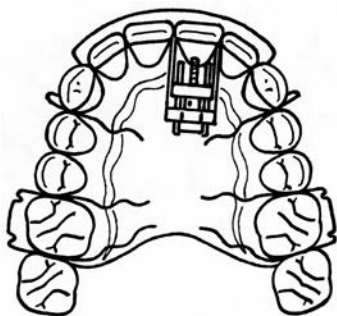
More aggressively designed habit appliance, sometimes termed a "Severe" Tongue Rake. Used to discourage tongue thrust by making it as uncomfortable as possible. The number and size of tongue rake wires may vary as requested. Not to be used for mentally challenged patients. Available with grill and ball 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.

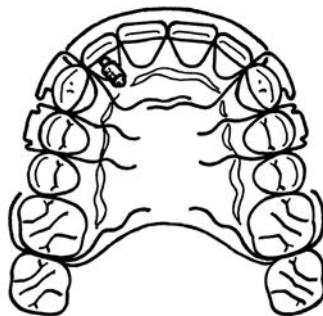
Expansion Screws

The following expansion screws are used for various types of tooth movement and arch development.



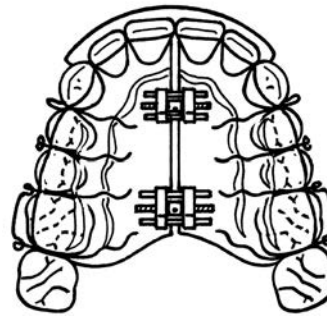
Single Tooth

For movement of one tooth.



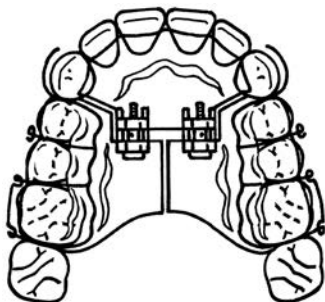
Micro Screw

Has a spring-loaded tip to move one tooth.



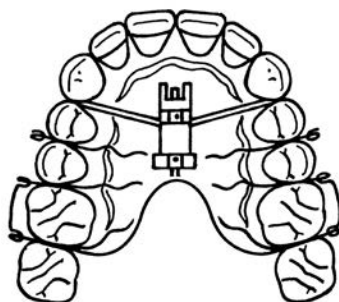
Transverse

Expands anteriors and posteriors laterally.



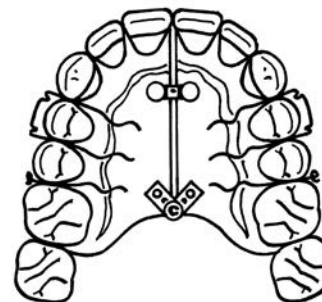
Sagittal

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.



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.



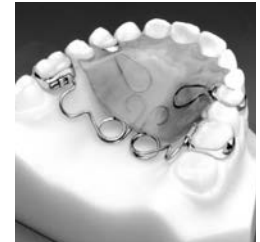
Two-Way Sagittal

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.



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.



"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. Clasping 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.

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 bicuspids.



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.



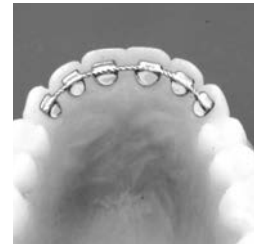
Soft or Hard Splint

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.

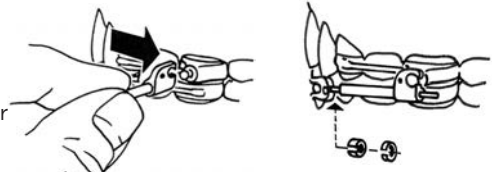
Functional appliances do not act on teeth like conventional appliances through the use of springs, wires and elastics; rather, they transmit, eliminate or guide natural forces such as tooth eruption, growth and muscle activity from the tongue, lips and cheek.

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 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 bicuspid. 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.



Flip-Lock is a registered trademark of TP Orthodontics, Inc. and manufactured under US Patent 5,620,321. All other patents pending. HERBST is a registered trademark of Dentaaurum, Inc.

800-348-8856

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.



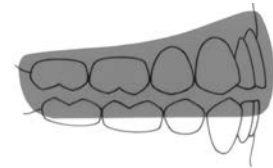
Unmatched Protection and Comfort

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

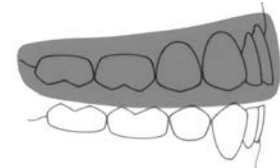
The upper flange height extends gingivally 2-2.5mm (.079" - .098") for positive retention. Precision Seating Springs (see page 139) are also available in Varsity Guards, at additional cost, for added retention.



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.

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 157.

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.



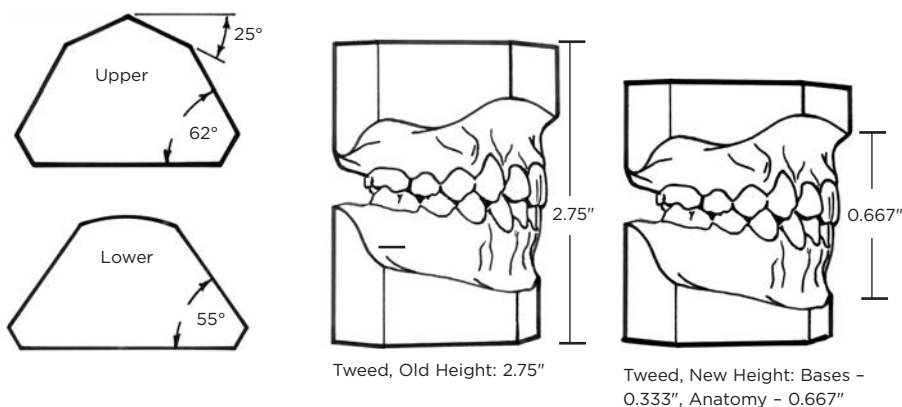
Tweed Foundation Standards

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.

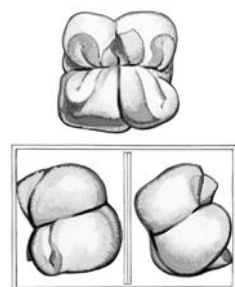
Caution: During winter months, use a small amount of alcohol mixed with water to dampen the packaging material to inhibit freezing and mail from a post office rather than a drop box.



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.

See TPO's online Pastel Palates color selector guide at tportho.com/PastelPalates.



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