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INTRAORAL / EXTRAORAL



TP Orthodontics, Inc.
tportho.com
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INTRAORAL / EXTRAORAL

Coated Crimpable Hook

- Standard
- Aesthetic

Ribbed Crimpable Hook

- Standard
- Aesthetic

Crimpable Stop

- Standard
- Aesthetic

Solderable Stop

Bondable Traction Hooks

Curved Anterior Arch Ruler

Outrigger® Appliance

Palatal Arch Bars

- Preformed with Distal Loop
- Reverse with Mesial Loop

Power Hook

Bi-Level Pin

Power Pin

Torquing Auxiliaries

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

Springs

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

Miscellaneous

- Auxiliaries Combo Box
- Finger Ring Mount for Oriented Auxiliaries

Separators

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

Reflex® Coil Springs

- Double
- Open
- Aesthetic
- Closed

Lip Bumpers

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

Facebow

Reverse Pull Headgear

High Pull Headcap

Neck Strap and Pad

Safety Release Modules

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

Coated Crimpable Hook

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

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



Patented

- 226-010** Crimpable Hook
Package of 10
- 226-020** Oriented Crimpable Hook
Package of 20

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

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

Ribbed Crimpable Hook

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

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



Patented

- 226-014** Ribbed Crimpable Hook
Package of 10
- 226-015** Oriented Ribbed Crimpable Hook
Package of 20

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

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



Oriented

Crimpable Stop

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



Patented

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

226-009 Crimpable Stop
Package of 10

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

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

Solderable Stop Facebows and Lip Bumpers

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



226-008 Solderable Stops
Package of 10

Bondable Traction Hooks

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

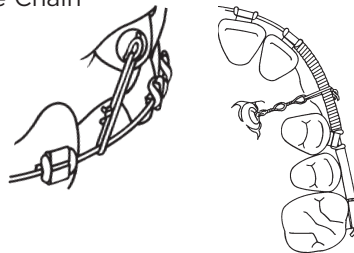
Round Traction Hook with stiff ligating chain may be used when tooth is deeply imbedded in gingival tissue. The 34mm (1.338") chain is formed from 0.31mm (.012") ligature wire and can be easily cut to required length as tooth continues to erupt.

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

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

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

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



Round Traction Hook



Square Traction Hook



Round Traction Hook with Stiff Chain



Rumely Traction Hook with Flexible Chain

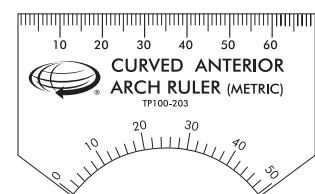


Polymer Mesh Base

Curved Anterior Arch Ruler

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

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



Outrigger[®] Appliance

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

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

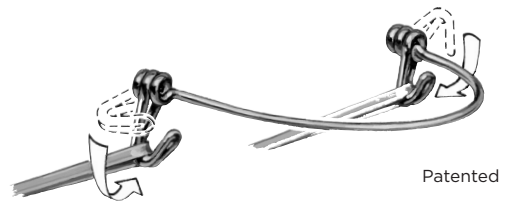
To determine size, measure from the distal of the right lateral bracket to the distal of the left lateral bracket.

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

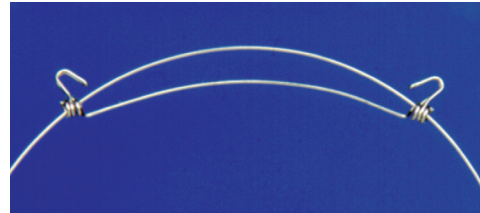
*Standard Kit contains 36 appliances: 6 each of sizes 34, 36 and 38; 3 of all other sizes; plus 3 arch rulers.

†Trial Kit contains 9 appliances

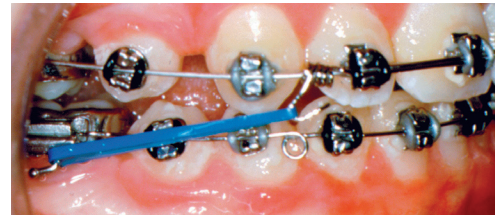
Individual Sizes: Package of 3



Patented



Outrigger Appliance



Outrigger in place with elastics engaged

Palatal Arch Bars

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

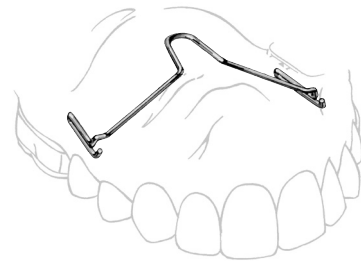
Preformed Palatal Arch Bars

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

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

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

Individual Sizes: Package of 5



Preformed Arch Bar



Reverse Arch Bar

Reverse Palatal Arch Bars

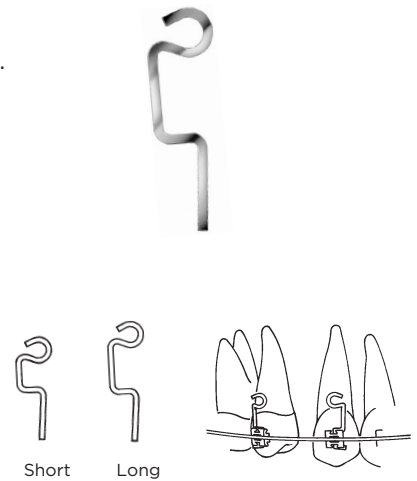
Adjustment loop is reversed (mesially oriented) to avoid gag reflex.

Power Hook

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

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

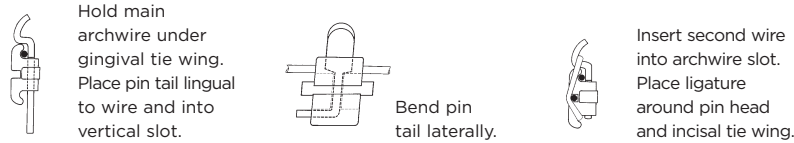
- 201-130** Short (bicuspid)
- 201-131** Long (cuspids)
- Oriented: Box of 20



Bi-Level Pin

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

- 201-142** Bi-Level Pin
- Oriented: Box of 50



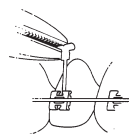
Power Pin

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

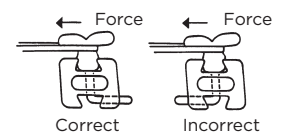
Power pins can be inserted or removed from the vertical bracket slot with archwire and ligatures in place. Specially designed stainless steel power pins with added length are available for ceramic brackets with vertical slots.

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

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



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



Bend tail away from elastic force.

Torque Bar

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

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

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

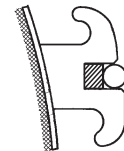
Gentle enough to use with ceramic edgewise brackets.

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

Package of 5



Patented



Ceramic

Individual Root Torque

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

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

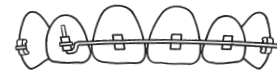
Insert short torquing arm as far into vertical slot as possible and engage long arm lingual to the 0.51mm (.020") or 0.56mm (.022") diameter archwire in four or five brackets for maximum torque. To prevent over-torquing from this "invisible" auxiliary, place a red dot (enclosed with package) on patient's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

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

Package of 10



Patented



Palatal Root Torque



Labial Root Torque

Two-Spur Torque

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

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

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

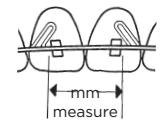
*Kit includes 32 assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



Extends distal to canine brackets for maximum activation.



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



Four-Spur Torque

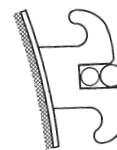
Designed for use with narrow edgewise brackets when four upper incisors require palatal root torque. The auxiliary is placed in bracket slots first, lingual to the main archwire. Last two digits of catalog number indicate auxiliary size.

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

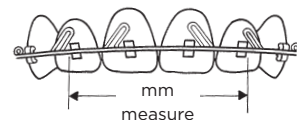
*Kit includes 32 assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



Extends distal to canine brackets for maximum activation.



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



Disposable Intraoral Ruler

100-204 Intraoral Ruler
Package of 10

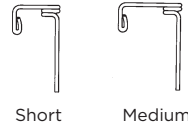


Rotating Spring

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

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

*Indicates desired direction of rotation when observing tooth from occlusal.
 Non-Oriented: Package of 10 • Oriented: Box of 20



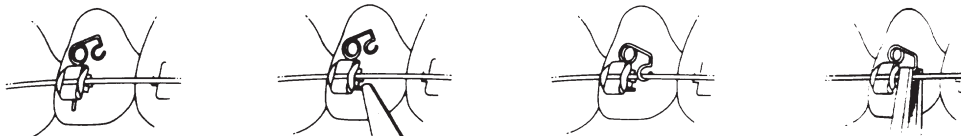
1. Ligate archwire to bracket. If rotation is severe, use steel tie around archwire on one side only.
2. Insert tail of rotating spring through vertical slot from the gingival.
3. While holding lever arm 90° to buccal surface, bend tail against tooth surface in direction of desired rotation.
4. Push arm to engage archwire in same direction as tail or "leg". Coil will be activated to deliver desired rotational force to tooth.

Standard Uprighting Spring

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

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

*Indicates direction crown needs to upright when observing tooth from labial.
 Non-Oriented: Package of 10 • Oriented: Box of 50



1. Insert leg behind ligation into vertical slot.
2. On long leg springs, bend leg laterally for retention and leverage.
3. Hook arm around wire. Hook opening should be toward lingual.
4. Compress hook around archwire for retention.

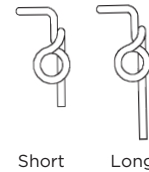
Original Side-Winder Uprighting Spring

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

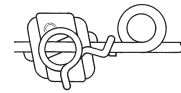
Leg Length	Wire Size	Direction*	Non-Oriented	Oriented
Short	0.36mm (.014")	CCW	214-007	214-005
		CW	214-008	214-006
Long	0.36mm (.014")	CCW	214-003	214-001
		CW	214-004	214-002

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

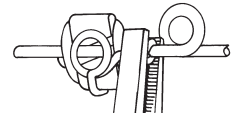
Non-Oriented: Package of 10 • Oriented: Long leg, box of 50 • Short leg: Box of 40



Original
Counterclockwise
Patented



Upper Right Cuspid

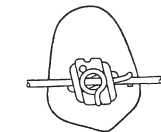


Compress hook around
archwire for added
retention.

Invisible Side-Winder Uprighting Spring

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

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



Counterclockwise



Counterclockwise
Patented

For Single Wing Bracket

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

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

Non-Oriented: Package of 10

Oriented: Box of 40

Plain Uprighting Spring

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



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

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

Auxiliary Combo Boxes

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



Oriented



Power Pin



Crimpable Hook
Patented



Rotating Spring



Original Side-Winder
Patented



Invisible Side-Winder
Patented

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

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

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

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

Finger Ring Mounts for Oriented Auxiliaries

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

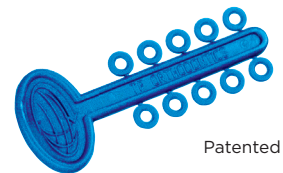
208-100 Ring Mounts
Package of 5



Super Slick® Stick Separators

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

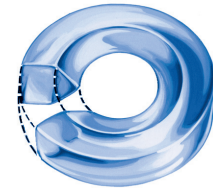
353-002 Super Slick Stick Separators
Package of 25 sticks (250 separators)



Sep-A-Rings® Separators

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

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



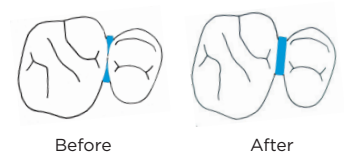
Super Slick®

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

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

Original

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



Self-Locking Separating Springs

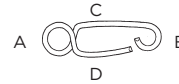
Springs produce continuous mild pressure and attain sufficient separation for band placement in three to four days. Can also be used for separating teeth to aid in eruption. Springs are easily placed and removed with ordinary small beak pliers (as illustrated).

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

Package of 10
Add C after part number to order package of 100.

-
1. Hold gingival leg with small beak pliers.
 2. Spring in place; legs separated.
 3. After 3-4 days, separation is achieved.
 4. Spring is removed by grasping occlusal leg and separating legs.

Directions for placing and removing Self-Locking Separating Springs:



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



Short Length—used between bicuspid and cuspids.



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



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



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

"C" Separation Maintainers

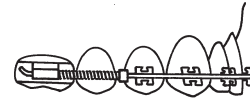
Preformed brass separation maintainers are placed around contact areas of posterior teeth to maintain space. Often used during intervals between banding appointments to hold space. Fabricated from 0.81mm (.032") brass wire.



225-003 "C" Separation Maintainers
Package of 100

Reflex[®] Coil Springs

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



Double Coil Springs

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



Double Coil

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

Open Coil Springs

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



Open Coil

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

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

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

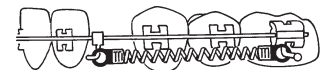
Closed Coil Springs

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

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

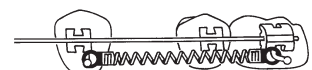
- 210-510** Light 150 g (5.3 oz.), 0.23mm (.009") wire
 - 210-511** Medium 200 g (7 oz.), 0.25mm (.010") wire
 - 210-512** Heavy 250 g (8.8 oz.), 0.28mm (.011") wire
- Package of 10

Anterior Retraction



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

Canine Retraction



Attach spring eyelets to molar hook and cuspid hook.



Closed Coil

Lip Bumper

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

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

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



Coated with Cuspid and Molar Loops



Ligation Hook

Nylon Coated with Molar Loops

Without Cuspid Loops

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

Individual sizes: Package of 3

With Cuspid Loops

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



Coated with Molar Loops

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

Non-Coated with Molar Loops

Without Cuspid Loops

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

Individual sizes: Package of 3

With Cuspid Loops

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



Non-Coated with Molar Loops

Lip Bumper with Pads

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

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



Universal without Molar Loops



Sizes 0-8 with Molar Loops



Ligation Hook

Lip Bumper

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

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

Lip Bumper Plus

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



Lip Bumper Plus



Lip Bumper Plus with Button Bonded on Pad

Lip Bumper Plus

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

Individual sizes: Package of 3

Facebow

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

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

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

Safety Note:

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



Inner Bow Hook

With Molar Loops

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

Package of 1



Without Molar Loops

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

Package of 1



Stainless Steel Reverse Pull Headgear

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

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



High Pull Headcap* Safety Release

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

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



Neck Strap and Pad* Safety Release

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

Denim

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

Col-R

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



Straps can be purchased either with or without pads.

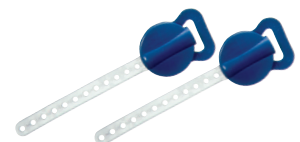


Combination Neck Pad, Neck Strap with or without Safety Modules

Safety Release Modules*

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

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



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

