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## VISION

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US Orthodontic Products will become a leading domestic and international provider of orthodontic products through quality, reliability, and commitment to improvement. We will strive to exceed our customers' expectations by providing the best values without compromising the quality of our products.

## MISSION STATEMENT

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US Orthodontic Products' mission is to consistently deliver the highest quality orthodontic products at the best value by focusing on a customer-centered approach. Quality is the heart of our business and key to our goal of total and complete customer satisfaction.

Dear Valued Customer,

For over 25 years, members of our team have been on the leading front of designing and consulting within the orthodontic community.

Since our humble beginnings, USOP has been quickly gaining recognition as both an international and domestic leader of orthodontic product distribution. We pride ourselves in our high quality products and our exceptionally competitive pricing. Most importantly, USOP has never forgotten the value of a customer-centered approach.

Thank you for partnering with US Orthodontic Products.

We look forward to building a long-lasting relationship with you and your business.

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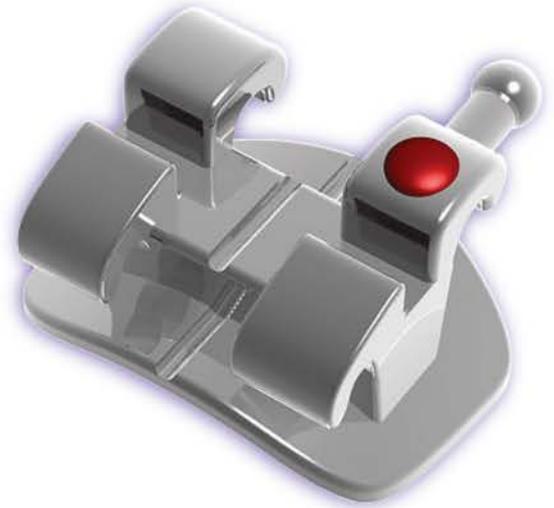


**LAB PRODUCTS**



# Obey I.®

## Metal Bracket System



### Features and Benefits:

- Stainless steel for unsurpassed strength and quality
- Color-code ID marking system provides easy identification
- Defined center indentation for easy and accurate placement
- Smooth round surfaces
- Low profile and rounded tie wings for patient comfort
- Less bulky for patient comfort
- Micro-Etched technique for increased bonding strength



Uniquely designed contour archwire slot edges reduce friction



80 Gauge Foil Mesh Base for increased retention

MAXILLARY			TORQUE	ANGLE	.018R	.018L	.022R	.022L
Centrals		ROTH	12°	5°	703-111	703-121	704-111	704-121
		MBT	17°	4°	705-111	705-121	706-111	706-121
Laterals		ROTH	8°	9°	703-112	703-122	704-112	704-122
		MBT	10°	8°	705-112	705-122	706-112	706-122
Cuspids		ROTH	-2°	10°	703-113HK	703-123HK	704-113HK	704-123HK
		MBT	-7°	8°	705-113HK	705-123HK	706-113HK	706-123HK
1st Bicuspid		ROTH	-7°	0°	703-114HK	703-124HK	704-114HK	704-124HK
		MBT	-7°	0°	705-114HK	705-124HK	706-114HK	706-124HK
2nd Bicuspid		ROTH	-7°	0°	703-115HK	703-125HK	704-115HK	704-125HK
		MBT	-7°	0°	705-115HK	705-125HK	706-115HK	706-125HK
MANDIBULAR			TORQUE	ANGLE	.018R	.018L	.022R	.022L
Anteriors		ROTH	0°	0°	703-211	703-211	704-211	704-211
		MBT	-6°	0°	705-211	705-211	706-211	706-211
Cuspids		ROTH	-11°	6°	703-213HK	703-223HK	704-213HK	704-223HK
		MBT	-6°	3°	705-213HK	705-223HK	706-213HK	706-223HK
1st Bicuspid		ROTH	-17°	0°	703-214HK	703-224HK	704-214HK	704-224HK
		MBT	-12°	2°	705-214HK	705-224HK	706-214HK	706-224HK
2nd Bicuspid		ROTH	-22°	0°	703-215HK	703-225HK	704-215HK	704-225HK
		MBT	-17°	2°	705-215HK	705-225HK	706-215HK	706-225HK

# OVERTURE I<sup>®</sup>

## Premium Line Low Profile Bracket System



The **OVERTURE I<sup>®</sup>** Low-Profile Bracket System harmonizes the enduring precepts of classic orthodontic design with state-of-the-art engineering and production practices. The result is a complete orthodontic appliance system with corresponding buccal tubes—contemporary in form and function—that achieve the optimum in metal aesthetics and comfort that patients seek without sacrificing the precision and control that practitioners need. A finely tuned appliance design for predictable, efficient treatment, and discerning finishes.



Optimized mesial-distal width offers superb rotational control



Torque-in-base provides level slot-lineup and helps avoid occlusal interferences



80 gauge micro-etched bondable mesh pad offers proven bond adhesion



Anatomically contoured base and pad nestle each tooth for positioning that feels right

MAXILLARY		TORQUE	ANGLE	ANTI-ROTATION	.018R	.018L	.022R	.022L
Centrals		ROTH 12°	5°	0°	739-111	739-121	740-111	740-121
		MBT 17°	4°	0°	708-111	708-121	709-111	709-121
Laterals		ROTH 8°	9°	0°	739-112	739-122	740-112	740-122
		MBT 10°	8°	0°	708-112	708-122	709-112	709-122
Cuspids		ROTH -2°	13°	4°M	739-113HK	739-123HK	740-113HK	740-123HK
		MBT -7°	8°	0°	708-113HK	708-123HK	709-113HK	709-123HK
1st Bicuspid		ROTH -7°	0°	2°D	739-114HK	739-124HK	740-114HK	740-124HK
		MBT -7°	0°	0°	708-114HK	708-124HK	709-114HK	709-124HK
2nd Bicuspid		ROTH -7°	0°	2°D	739-115HK	739-125HK	740-115HK	740-125HK
		MBT -7°	0°	0°	708-115HK	708-125HK	709-115HK	709-125HK
MANDIBULAR		TORQUE	ANGLE	ANTI-ROTATION	.018R	.018L	.022R	.022L
Anteriors		ROTH 1°	0°	0°	739-211	739-211	740-211	740-211
		MBT -6°	0°	0°	708-211	708-211	709-211	709-211
Cuspids		ROTH -11°	7°	2°M	739-213HK	739-223HK	740-213HK	740-223HK
		MBT -6°	3°	0°	708-213HK	708-223HK	709-213HK	709-223HK
1st Bicuspid		ROTH -17°	0°	4°D	739-214HK	739-224HK	740-214HK	740-224HK
		MBT -12°	2°	0°	708-214HK	708-224HK	709-214HK	709-224HK
2nd Bicuspid		ROTH -22°	0°	4°D	739-215HK	739-225HK	740-215HK	740-225HK
		MBT -17°	2°	0°	708-215HK	708-225HK	709-215HK	709-225HK

# OVERTURE II®

Nickel-Free Metal Bracket System



## Features and Benefits:

- Compound Contoured/Torque-In-Base
- Bio-compatible materials
- One piece metal injection molded
- 100 Mesh pattern design for stronger bond
- Accurate root angulation
- Full radius, low-profile design
- Color coded indicators
- Nickel-free



### Micro-Etched Grip-Lok® Mesh Base Design

Each base is micro-etched, improving bond strength and greatly reducing bond failures

- Superb Class I motor relationship
- Rhomboid design parallels tooth angulation
- Level slot line-up
- Precise In/Out alignment
- Smooth, rounded edges for patient comfort

MAXILLARY			TORQUE	ANGLE	.018R	.018L	.022R	.022L
Centrals		ROTH	12°	5°	718-111	718-121	712-111	712-121
		MBT	17°	4°	736-111	736-121	737-111	737-121
Laterals		ROTH	8°	9°	718-112	718-122	712-112	712-122
		MBT	10°	8°	736-112	736-122	737-112	737-122
Cuspids		ROTH	-2°	11°	718-113HK	718-123HK	712-113HK	712-123HK
		MBT	-7°	8°	736-113HK	736-123HK	737-113HK	737-123HK
1st Bicuspid		ROTH	-7°	0°	718-114HK	718-124HK	712-114HK	712-124HK
		MBT	-7°	0°	736-114HK	736-124HK	737-114HK	737-124HK
2nd Bicuspid		ROTH	-7°	0°	718-115HK	718-125HK	712-115HK	712-125HK
		MBT	-7°	0°	736-115HK	736-125HK	737-115HK	737-125HK
MANDIBULAR			TORQUE	ANGLE	.018R	.018L	.022R	.022L
Anteriors		ROTH	0°	0°	718-211	718-211	712-211	712-211
		MBT	-6°	0°	736-211	736-211	737-211	737-211
Cuspids		ROTH	-11°	7°	718-213HK	718-223HK	712-213HK	712-223HK
		MBT	-5°	3°	736-213HK	736-223HK	737-213HK	737-223HK
1st Bicuspid		ROTH	-17°	0°	718-214HK	718-224HK	712-214HK	712-224HK
		MBT	-12°	0°	736-214HK	736-224HK	737-214HK	737-224HK
2nd Bicuspid		ROTH	-22°	0°	718-215HK	718-225HK	712-215HK	712-225HK
		MBT	-17°	0°	736-215HK	736-225HK	737-215HK	737-225HK

# Vertical Slot Bracket System

## Features and Benefits:

- .018 x .018 Vertical slots accept rotation springs, power pins, and uprighting and torquing springs
- Low profile design
- Metal Injection Molding (MIM\*)
- Straight Arch System Compound/Contour design
- Available in .018 and .022 slots



MAXILLARY		TORQUE	ANGLE	.018R	.018L	.022R	.022L	
Centrals		ROTH	12°	5°	738-111	738-121	732-111	732-121
Laterals		ROTH	8°	9°	738-112	738-122	732-112	732-122
Cuspids		ROTH	-2°	7°	738-113HK	738-123HK	732-113HK	732-123HK
Bicuspids		ROTH	-7°	0°	738-114HK	738-124HK	732-114HK	732-124HK

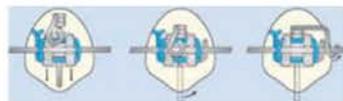
  

MANDIBULAR		TORQUE	ANGLE	.018R	.018L	.022R	.022L	
Anteriors		ROTH	0°	0°	738-211	738-211	732-211	732-211
Cuspids		ROTH	-11°	5°	738-213HK	738-223HK	732-213HK	732-223HK
1st Bicuspids		ROTH	-17°	0°	738-214HK	738-224HK	732-214HK	732-224HK
2nd Bicuspids		ROTH	-22°	0°	738-215HK	738-225HK	732-215HK	732-225HK

## Rotation Springs

### Short counter-clockwise

- 105-040 (10 per pack)



### Short clockwise

- Short rotation springs are for use with lower anteriors

- 105-041 (10 per pack)



### Medium counter-clockwise

- 105-044 (10 per pack)

### Medium clockwise

- Medium rotation springs are for use with all teeth, except lower anteriors

- 105-045 (10 per pack)

## Uprighting Springs



### Counter-clockwise

- 105-050 (10 per pack)

### Clockwise

- 105-051 (10 per pack)



## Power "T" Pin

### Distalizing Pin

- Featuring 15° labial inclination, Power "T" Pins can be used as lefts or rights. Stamped .018 stainless steel (Bend tail of pin away from elastic force pull).

- 105-060 (50 per pack)

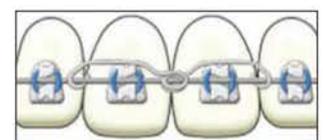


## Anterior Torquing Spring



- Generates more positive torque in the upper incisors. The device ends hook distally to each upper central bracket and the center (coil) circle is pressed into the archwire.

- 105-064 (5 per pack)



# promise I.®

Poly-Sapphire Bracket System



## Features and Benefits:

- Fully transparent: Light absorption creates a unique translucent color
- Invisible: No “diamond glare”
- Patented Mushroom2 mechanical lock base for strong bonding strength and easy debonding using a uniquely designed mesial-distal twist procedure
- Poly-Sapphire Ceramic: High strength while maintaining flexibility for improved shock resistance
- Hardness: Comparable to monocrystal sapphire brackets
- Tie wings with undercuts for easy and strong ligation
- One of the lowest profiles in the industry for patient comfort

MAXILLARY		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L	
Centrals		ROTH	12°	5°	0°	768-111	768-121	762-111	762-121
		MBT	17°	4°	0°	751-111	751-121	752-111	752-121
Laterals		ROTH	8°	9°	0°	768-112	768-122	762-112	762-122
		MBT	10°	8°	0°	751-112	751-122	752-112	752-122
Cuspids		ROTH	0°	11°	4°	768-113HK	768-123HK	762-113HK	762-123HK
		MBT	0° or -7°	8°	0°	751-113HK	751-123HK	752-113HK	752-123HK
Bicuspid		ROTH	-7°	0°	0°	768-114HK	768-124HK	762-114HK	762-124HK
		MBT	-7°	0°	0°	751-114HK	751-124HK	752-114HK	752-124HK
MANDIBULAR		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L	
Anteriors		ROTH	0°	0°	0°	768-211	768-211	762-211	762-211
		MBT	-6°	0°	0°	751-211	751-211	752-211	752-211
Cuspids		ROTH	-11°	5°	2°	768-213HK	768-223HK	762-213HK	762-223HK
		MBT	0° or -6°	3°	0°	751-213HK	751-223HK	752-213HK	752-223HK
1st Bicuspid		ROTH	-17°	0°	0°	768-214HK	768-224HK	762-214HK	762-224HK
		MBT	-12°	0°	0°	751-214HK	751-224HK	752-214HK	752-224HK
2nd Bicuspid		ROTH	-22°	0°	0°	768-215HK	768-225HK	762-215HK	762-225HK
		MBT	-17°	0°	0°	751-215HK	751-225HK	752-215HK	752-225HK

# promise II<sup>®</sup>

## Ceramic Bracket System



AESTHETIC BRACKETS

### Features and Benefits:

- Opaque: Tooth color without shine
- Patented Mushroom2 mechanical lock base for strong bonding strength and easy debonding using a uniquely designed mesial-distal twist procedure
- Ceramic: High strength while maintaining flexibility for improved shock resistance
- Hardness: Comparable to monocrystal sapphire brackets
- Tie wings with undercuts for easy & strong ligation
- One of the lowest profiles in the industry for patient comfort

MAXILLARY		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Centrals		ROTH 12°	5°	0°	758-111	758-121	742-111	742-121
		MBT 17°	4°	0°	759-111	759-121	782-111	782-121
Laterals		ROTH 8°	9°	0°	758-112	758-122	742-112	742-122
		MBT 10°	8°	0°	759-112	759-122	782-112	782-122
Cuspids		ROTH 0°	11°	4°	758-113HK	758-123HK	742-113HK	742-123HK
		MBT 0° or -7°	8°	0°	759-113HK	759-123HK	782-113HK	782-123HK
Bicuspids		ROTH -7°	0°	0°	758-114HK	758-114HK	742-114HK	742-114HK
		MBT -7°	0°	0°	759-114HK	759-114HK	782-114HK	782-114HK
MANDIBULAR		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Anteriors		ROTH 0°	0°	0°	758-211	758-211	742-211	742-211
		MBT -6°	0°	0°	759-211	759-211	782-211	782-211
Cuspids		ROTH -11°	5°	2°	758-213HK	758-223HK	742-213HK	742-223HK
		MBT 0° or -6°	3°	0°	759-213HK	759-223HK	782-213HK	782-223HK
1st Bicuspids		ROTH -17°	0°	0°	758-214HK	758-214HK	742-214HK	742-214HK
		MBT -12°	0°	0°	759-214HK	759-214HK	782-214HK	782-214HK
2nd Bicuspids		ROTH -22°	0°	0°	758-215HK	758-215HK	742-215HK	742-215HK
		MBT -17°	0°	0°	759-215HK	759-215HK	782-215HK	782-215HK

# Purify<sup>®</sup>

## Mono-Sapphire Bracket System



### Features and Benefits:

- Completely transparent bracket- Compatible with any kind of tooth color
- Includes discoloring prevention with surface resistance
- Easy sliding- Reduced frictional resistance of corner
- High bonding strength with excellent aesthetic design
- Easy debonding- Like metal bracket with numerous micro-protuberances on the surface of base

MAXILLARY		TORQUE	ANGLE	.018R	.018L	.022R	.022L	
Centrals		ROTH	11°	4°	797-111	797-121	794-111	794-121
		MBT	18°	4°	798-111	798-121	796-111	796-121
Laterals		ROTH	8°	9°	797-112	797-122	794-112	794-122
		MBT	11°	8°	798-112	798-122	796-112	796-122
Cuspids		ROTH	-2°	8°	797-113HK	797-123HK	794-113HK	794-123HK
		MBT	-8°	8°	798-113HK	798-123HK	796-113HK	796-123HK
1st Bicuspid		ROTH	-7°	0°	797-114HK	797-124HK	794-114HK	794-124HK
		MBT	-8°	0°	798-114HK	798-124HK	796-114HK	796-124HK
2nd Bicuspid		ROTH	-7°	0°	797-115HK	797-125HK	794-115HK	794-125HK
		MBT	-8°	0°	798-115HK	798-125HK	796-115HK	796-125HK
MANDIBULAR		TORQUE	ANGLE	.018R	.018L	.022R	.022L	
Anteriors		ROTH	0°	0°	797-211	797-211	794-211	794-211
		MBT	-6°	0°	798-211	798-211	796-211	796-211
Cuspids		ROTH	-11°	7°	797-213HK	797-223HK	794-213HK	794-223HK
		MBT	-6°	4°	798-213HK	798-223HK	796-213HK	796-223HK
1st Bicuspid		ROTH	-17°	3°	797-214HK	797-224HK	794-214HK	794-224HK
		MBT	-13°	2°	798-214HK	798-224HK	796-214HK	796-224HK
2nd Bicuspid		ROTH	-21°	6°	797-215HK	797-225HK	794-215HK	794-225HK
		MBT	-18°	2°	798-215HK	798-225HK	796-215HK	796-225HK

# AGAPE®

## Silver Lined Ceramic Bracket System



AESTHETIC BRACKETS

### Features and Benefits:

- Opaque: Semi-transparent  
Bracket color adapts to tooth color
- Silver liner for increased bracket strength and low friction
- Tie Wings with undercuts for strong ligation
- Dove Tail: Mechanical lock base for strong bonding and easy debonding
- Unique Double-wide hook design for additional strength
- Excellent aesthetic design

MAXILLARY		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Centrals		ROTH 12°	5°	0°	753-111	753-121	754-111	754-121
		MBT 17°	4°	0°	755-111	755-121	756-111	756-121
Laterals		ROTH 8°	9°	0°	753-112	753-122	754-112	754-122
		MBT 10°	8°	0°	755-112	755-122	756-112	756-122
Cuspids		ROTH -2°	13°	4°	753-113HK	753-123HK	754-113HK	754-123HK
		MBT -7°	8°	0°	755-113HK	755-123HK	756-113HK	756-123HK
Bicuspid		ROTH -7°	0°	0°	753-114HK	753-124HK	754-114HK	754-124HK
		MBT -7°	0°	0°	755-114HK	755-124HK	756-114HK	756-124HK
MANDIBULAR		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Anteriors		ROTH 1°	0°	0°	753-211	753-211	754-211	754-211
		MBT -6°	0°	0°	755-211	755-211	756-211	756-211
Cuspids		ROTH -11°	7°	2°	753-213HK	753-223HK	754-213HK	754-223HK
		MBT -6°	3°	0°	755-213HK	755-223HK	756-213HK	756-223HK
1st Bicuspid		ROTH -17°	0°	0°	753-214HK	753-224HK	754-214HK	754-224HK
		MBT -12°	2°	0°	755-214HK	755-224HK	756-214HK	756-224HK
2nd Bicuspid		ROTH -22°	0°	0°	753-215HK	753-225HK	754-215HK	754-225HK
		MBT -17°	2°	0°	755-215HK	755-225HK	756-215HK	756-225HK

# PURFIT I.®

## Clear Composite Bracket System



### Features and Benefits:

- Composite material
- Excellent aesthetic design
- Dove Tail: Mechanical lock back for strong bonding and easy debonding
- Tie wings with undercuts for easy and strong ligation
- Unique Double-wide hook design for additional strength

MAXILLARY		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Centrals		ROTH 12°	5°	0°	785-111	785-121	790-111	790-121
		MBT 17°	4°	0°	787-111	787-121	792-111	792-121
Laterals		ROTH 8°	9°	0°	785-112	785-122	790-112	790-122
		MBT 10°	8°	0°	787-112	787-122	792-112	792-122
Cuspids		ROTH 0°	11°	4°	785-113HK	785-123HK	790-113HK	790-123HK
		MBT 0° or -7°	8°	0°	787-113HK	787-123HK	792-113HK	792-123HK
Bicuspids		ROTH -7°	0°	0°	785-114HK	785-114HK	790-114HK	790-114HK
		MBT -7°	0°	0°	787-114HK	787-114HK	792-114HK	792-114HK
MANDIBULAR		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Anteriors		ROTH 0°	0°	0°	785-211	785-211	790-211	790-211
		MBT -6°	0°	0°	787-211	787-211	792-211	792-211
Cuspids		ROTH -11°	5°	2°	785-213HK	785-223HK	790-213HK	790-223HK
		MBT 0° or -6°	3°	0°	787-213HK	787-223HK	792-213HK	792-223HK
1st Bicuspids		ROTH -17°	0°	0°	785-214HK	785-214HK	790-214HK	790-214HK
		MBT -12°	0°	0°	787-214HK	787-214HK	792-214HK	792-214HK
2nd Bicuspids		ROTH -22°	0°	0°	785-215HK	785-215HK	790-215HK	790-215HK
		MBT -17°	0°	0°	787-215HK	787-215HK	792-215HK	792-215HK

# PURFIT II®

Silver Lined Clear Composite Bracket System



AESTHETIC BRACKETS

## Features and Benefits:

- Composite material
- Dove Tail: Mechanical lock base for strong bonding and easy debonding
- Tie wings with undercuts for strong ligation
- Unique Double-wide hook design for additional strength
- Silver liner for increased bracket strength and low friction
- Excellent aesthetic design

MAXILLARY		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Centrals		ROTH 12°	5°	0°	786-111	786-121	791-111	791-121
		MBT 17°	4°	0°	789-111	789-121	793-111	793-121
Laterals		ROTH 8°	9°	0°	786-112	786-122	791-112	791-122
		MBT 10°	8°	0°	789-112	789-122	793-112	793-122
Cuspids		ROTH 0°	11°	4°	786-113HK	786-123HK	791-113HK	791-123HK
		MBT 0° or -7°	8°	0°	789-113HK	789-123HK	793-113HK	793-123HK
Bicuspids		ROTH -7°	0°	0°	786-114HK	786-114HK	791-114HK	791-114HK
		MBT -7°	0°	0°	789-114HK	789-114HK	793-114HK	793-114HK
MANDIBULAR		TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Anteriors		ROTH 0°	0°	0°	786-211	786-211	791-211	791-211
		MBT -6°	0°	0°	789-211	789-211	793-211	793-211
Cuspids		ROTH -11°	5°	2°	786-213HK	786-223HK	791-213HK	791-223HK
		MBT 0° or -6°	3°	0°	789-213HK	789-223HK	793-213HK	793-223HK
1st Bicuspids		ROTH -17°	0°	0°	786-214HK	786-214HK	791-214HK	791-214HK
		MBT -12°	0°	0°	789-214HK	789-214HK	793-214HK	793-214HK
2nd Bicuspids		ROTH -22°	0°	0°	786-215HK	786-215HK	791-215HK	791-215HK
		MBT -17°	0°	0°	789-215HK	789-215HK	793-215HK	793-215HK

# everPURE<sup>®</sup>

Polycrystalline Bracket System



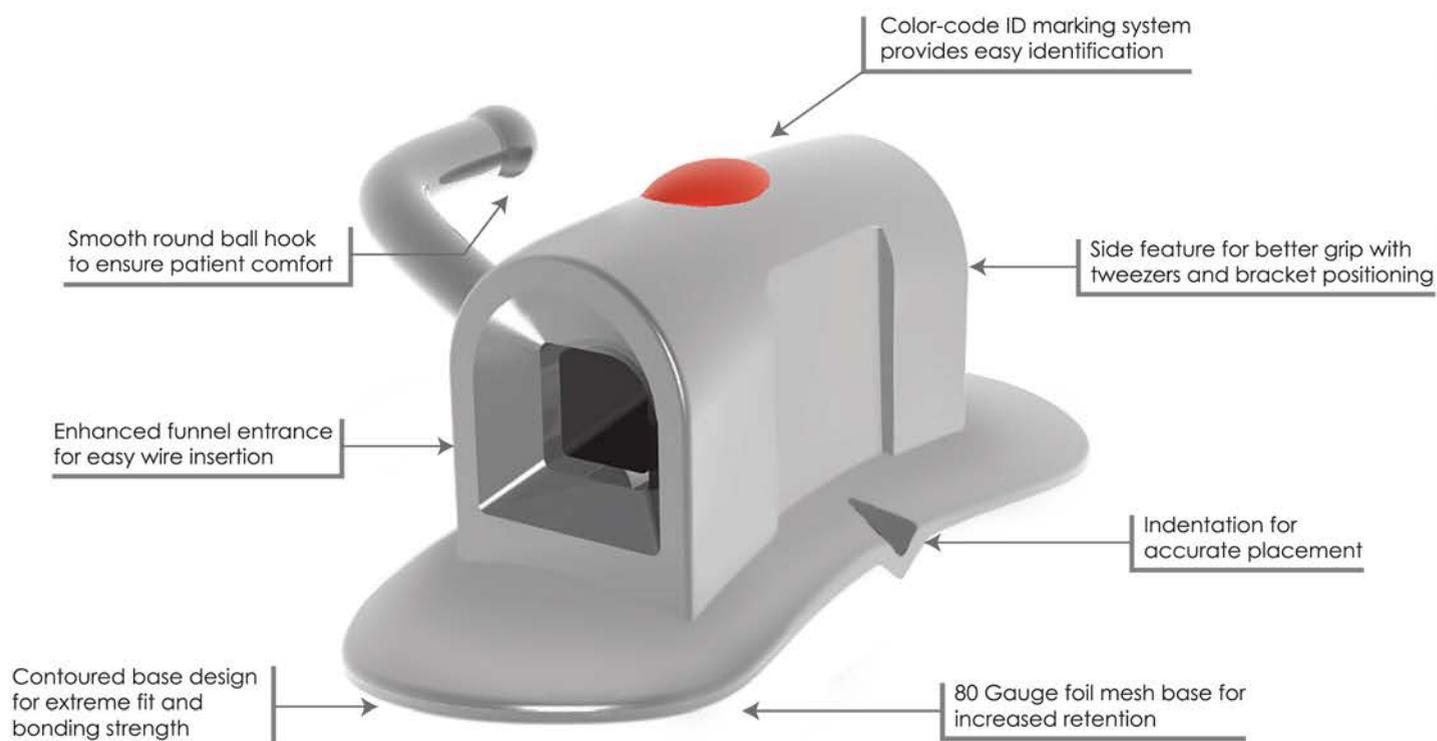
## Features and Benefits:

- Polycrystalline Ceramic
- Ceramic alternative to composite or conventional metal brackets
- Unique Double-wide hook design for additional strength
- Excellent bonding strength
- Excellent aesthetic design

MAXILLARY			TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Centrals		ROTH	12°	5°	0°	743-111	743-121	744-111	744-121
		MBT	17°	4°	0°	745-111	745-121	746-111	746-121
Laterals		ROTH	8°	9°	0°	743-112	743-122	744-112	744-122
		MBT	10°	8°	0°	745-112	745-122	746-112	746-122
Cuspids		ROTH	0°	11°	4°	743-113HK	743-123HK	744-113HK	744-123HK
		MBT	0°	8°	0°	745-113HK	745-123HK	746-113HK	746-123HK
Bicuspids		ROTH	-7°	0°	0°	743-114HK	743-124HK	744-114HK	744-124HK
		MBT	-7°	0°	0°	745-114HK	745-124HK	746-114HK	746-124HK
MANDIBULAR			TORQUE	ANGLE	ROTATION	.018R	.018L	.022R	.022L
Anteriors		ROTH	0°	0°	0°	743-211	743-211	744-211	744-211
		MBT	-6°	0°	0°	745-211	745-211	746-211	746-211
Cuspids		ROTH	-11°	5°	2°	743-213HK	743-223HK	744-213HK	744-223HK
		MBT	-6°	3°	0°	745-213HK	745-223HK	746-213HK	746-223HK
1st Bicuspids		ROTH	-17°	0°	0°	743-214HK	743-224HK	744-214HK	744-224HK
		MBT	-12°	2°	0°	745-214HK	745-224HK	746-214HK	746-224HK
2nd Bicuspids		ROTH	-22°	0°	0°	743-215HK	743-225HK	744-215HK	744-225HK
		MBT	-17°	0°	0°	745-215HK	745-225HK	746-215HK	746-225HK

# Obey I.®

## Direct Bond Buccal Tube



BUCCAL TUBES

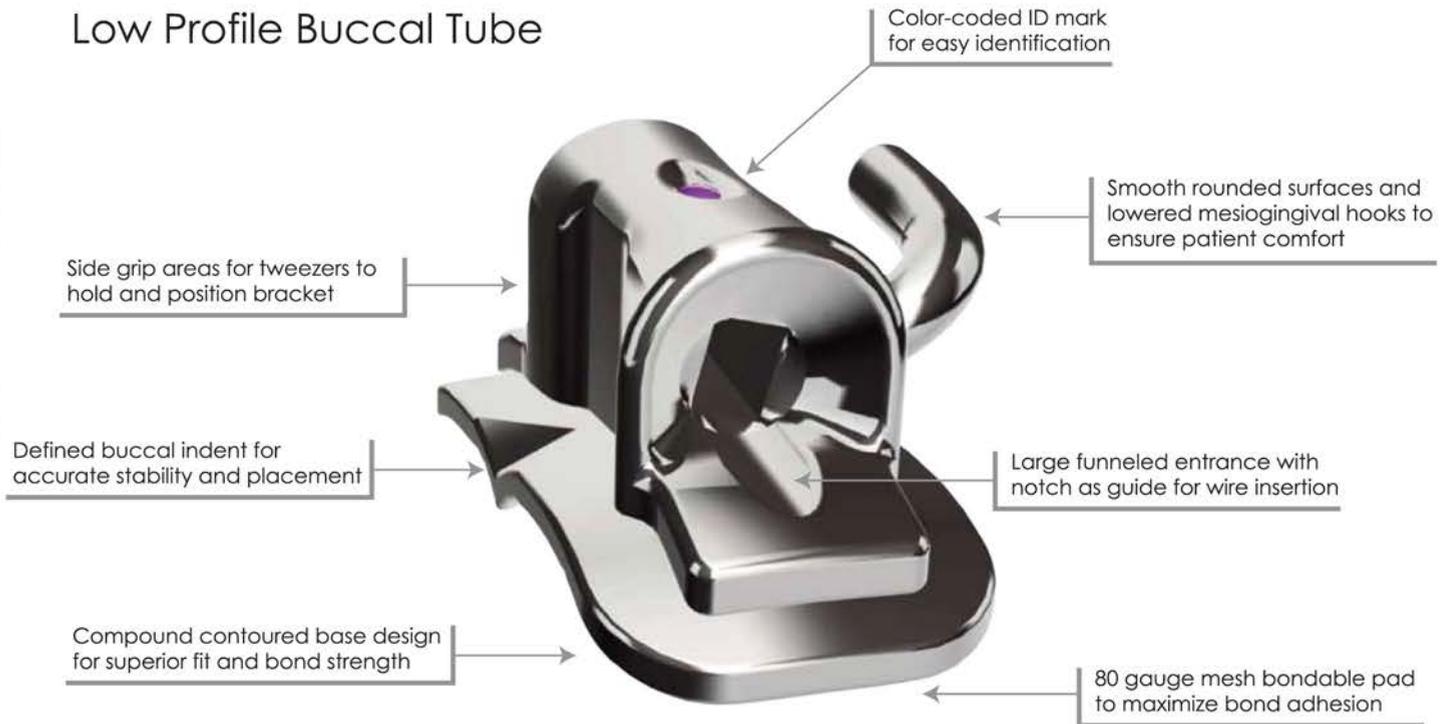
FIRST MAXILLARY			TORQUE	OFFSET	.018	.022
Right		ROTH	-14°	10°	948-201DB	948-101DB
		MBT	-14°	10°	946-101DB	947-101DB
Left		ROTH	-14°	10°	948-202DB	948-102DB
		MBT	-14°	10°	946-102DB	947-102DB
MANDIBULAR			TORQUE	OFFSET	.018	.022
Right		ROTH	-25°	4°	948-203DB	948-103DB
		MBT	-20°	0°	946-103DB	947-103DB
Left		ROTH	-25°	4°	948-204DB	948-104DB
		MBT	-20°	0°	946-104DB	947-104DB

\*Also available for 2nd Molars

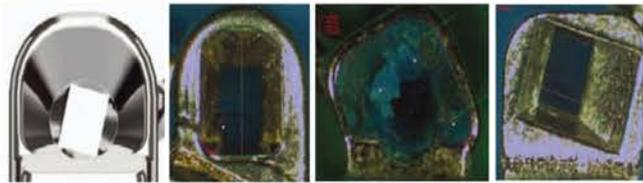
# OVERTURE<sup>®</sup>

## Low Profile Buccal Tube

BUCCAL TUBES



### Size of Opening Area



USOP Torque in face    GAC Saddle Torque in face    Ormco Accent Torque in face    AO LP Tube Torque in base

MAXILLARY		TORQUE	ANGLE	OFFSET	.018	.022	
Right		ROTH	-14°	0°	14°	<b>939-201DB</b>	<b>940-301DB</b>
		MBT	-14°	0°	10°	<b>941-201DB</b>	<b>942-301DB</b>
Left		ROTH	-14°	0°	14°	<b>939-202DB</b>	<b>940-302DB</b>
		MBT	-14°	0°	10°	<b>941-202DB</b>	<b>942-302DB</b>
MANDIBULAR		TORQUE	ANGLE	OFFSET	.018	.022	
Right		ROTH	-25°	0°	4°	<b>939-251DB</b>	<b>940-351DB</b>
		MBT	-20°	0°	10°	<b>941-251DB</b>	<b>942-351DB</b>
Left		ROTH	-25°	0°	4°	<b>939-252DB</b>	<b>940-352DB</b>
		MBT	-20°	0°	10°	<b>941-252DB</b>	<b>942-352DB</b>

# US Pro Weldable Buccal Tubes

## MIM Metal Injection Mold

- MIM Metal Injection Mold
- Available Convertible or Non-Convertible and/or Prewelded to bands
- Low profile design and smooth surfaces for enhanced patient comfort
- Gingival ball hooks for elastic wear

### Non-Convertible

Also available in MBT and 2nd Molars

	DESCRIPTION	TORQUE	ANGLE	ROTH	
				.018	.022
<b>1st Molar SBT</b>	Upper Right	-10°	6°	902-003	902-103
	Upper Left	-10°	6°	902-004	902-104
	Lower Right	-25°	4°	902-045	902-145
	Lower Left	-25°	4°	902-046	902-146
<b>1st Molar DBT</b>	Upper Right	-10°	6°	902-015	902-115
	Upper Left	-10°	6°	902-016	902-116
	Lower Right	-25°	4°	902-057	902-157
	Lower Left	-25°	4°	902-058	902-158
<b>1st Molar CBT</b> (Gingival Facebow Tube)	Upper Right	-10°	6°	902-009	902-109
	Upper Left	-10°	6°	902-010	902-110
<b>1st Molar TBT</b> (Occlusal Facebow Tube)	Upper Right	-10°	6°	902-021	902-121
	Upper Left	-10°	6°	902-022	902-122
<b>1st Molar LBT</b>	Lower Right	-25°	4°	902-051	902-151
	Lower Left	-25°	4°	902-052	902-152

BUCCAL TUBES

### Convertible

Also available in MBT and 2nd Molars

	DESCRIPTION	TORQUE	ANGLE	ROTH	
				.018	.022
<b>1st Molar SBT</b>	Upper Right	-10°	10°	900-007	900-107
	Upper Left	-10°	10°	900-008	900-108
	Lower Right	-25°	4°	900-021	900-121
	Lower Left	-25°	4°	900-022	900-122
<b>1st Molar DBT</b>	Upper Right	-10°	10°	900-017	900-117
	Upper Left	-10°	10°	900-018	900-118
	Lower Right	-25°	4°	900-023	900-123
	Lower Left	-25°	4°	900-024	900-124
<b>1st Molar CBT</b> (Gingival Facebow Tube)	Upper Right	-10°	10°	900-001	900-101
	Upper Left	-10°	10°	900-002	900-102
<b>1st Molar OCBT</b> (Occlusal Facebow Tube)	Upper Right	-10°	10°	900-003	900-103
	Upper Left	-10°	10°	900-004	900-104
<b>1st Molar TBT</b> (Occlusal Facebow Tube)	Upper Right	-10°	10°	900-005	900-105
	Upper Left	-10°	10°	900-006	900-106
<b>1st Molar LBT</b>	Lower Right	-25°	4°	900-043	900-143
	Lower Left	-25°	4°	900-044	900-144

# Band Selection Guide

BANDS

**Micro-Etched Interiors**  
To maximize retention

**Contour Edges**  
To increase maximum patient comfort and prevent deformation

**Fully Tempered**  
Provides easy contouring

**Permanent Laser Marking**  
Provides easy identification

**Funnel Entrance**  
Provides easy wire insertion



Single Upper & Lower



Double Upper & Lower



Combination Upper & Lower



Triple Upper

# RealFit® Molar Bands

- Superior tooth morphology
- Each band is micro-etched
- Full tempered
- Memory & elasticity maintained after prefit and removal
- Proportional graduated half-sizing, numbered 29½-44
- Increased occlusal edge strength to prevent deformation
- Stiffer material to withstand additional pressure of extra and intraoral appliances
- Available with micro-etched interiors for maximum retention



BANDS

## RealFit® Band Kits Half Sizes 29½ - 44

All Band Kits can be ordered as Loose Bands or Prewelded Assemblies

Band coding: Legibly marked on mesial side: "U" indicates Upper; "L" indicates Lower; "S" indicates 2nd Molar; "R" indicates Right; "L" indicates Left  
(For instant identification, an asterisk \* is marked after the size of each RealFit Band)

### Starter Kit

BAND SIZE	29½	30	30½	31	31½	32	32½	33	33½	34	34½	35	35½	36	36½	37	37½	38	38½	39	39½	40	40½	41	41½	42	42½	43	43½	44	TOTAL
Upper or Lower R							1	1	2	2	2	2	2	2	2	2	2	2	1	1	1										25
1st or 2nd Molar L							1	1	2	2	2	2	2	2	2	2	2	2	1	1	1										25

### Introductory Kit

BAND SIZE	29½	30	30½	31	31½	32	32½	33	33½	34	34½	35	35½	36	36½	37	37½	38	38½	39	39½	40	40½	41	41½	42	42½	43	43½	44	TOTAL	
Full Range Upper or Lower R	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	50
1st or 2nd Molar L	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	50
Mid-Range Upper or Lower R								4	4	4	4	4	5	5	4	4	4	4	4													50
1st or 2nd Molar L								4	4	4	4	4	5	5	4	4	4	4	4													50

### Professional Kit

BAND SIZE	29½	30	30½	31	31½	32	32½	33	33½	34	34½	35	35½	36	36½	37	37½	38	38½	39	39½	40	40½	41	41½	42	42½	43	43½	44	TOTAL	
Full Range Upper or Lower R	1	1	1	1	2	2	2	3	4	4	4	4	5	5	5	4	4	4	4	3	2	2	1	1	1	1	1	1	1	1	75	
1st or 2nd Molar L	1	1	1	1	2	2	2	3	4	4	4	4	5	5	5	4	4	4	4	3	2	2	1	1	1	1	1	1	1	1	75	
Mid-Range Upper or Lower R								6	6	6	6	6	7	7	7	6	6	6	6													75
1st or 2nd Molar L								6	6	6	6	6	7	7	7	6	6	6	6													75

### Master Kit

BAND SIZE	29½	30	30½	31	31½	32	32½	33	33½	34	34½	35	35½	36	36½	37	37½	38	38½	39	39½	40	40½	41	41½	42	42½	43	43½	44	TOTAL	
Full Range Upper or Lower R	2	2	3	3	3	4	4	7	7	9	9	9	9	9	9	9	7	7	4	4	3	3	3	2	2	2	2	2	2	2	150	
1st or 2nd Molar L	2	2	3	3	3	4	4	7	7	9	9	9	9	9	9	9	7	7	4	4	3	3	3	2	2	2	2	2	2	2	150	
Mid-Range Upper or Lower R								12	12	12	12	12	14	14	14	12	12	12	12													150
1st or 2nd Molar L								12	12	12	12	12	14	14	14	12	12	12	12													150

# RealFit<sup>®</sup> Bicuspid Bands

- Permanent size marking
- Anatomically contoured
- Full tempered
- Enhanced retention



All Band Kits can be ordered as  
Loose Bands or  
Prewelded Assemblies

To order kits:

**Specify kit brand**

- Introductory (100 Bands)
- Professional (150 Bands)
- Master (300 Bands)

**Specify range**

- Full Range
- Mid Range

To order individual bands:

**Specify**

- Tooth type
- Left or Right
- Size number
- Quantity

## Maxillary Bicuspid Kits Extended Size Range 1 - 24

NON RIGHT/LEFT • MARKED U1 - U24

### Full Range Kit

BAND SIZE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
Introductory Kit	R	1	1	1	1	1	2	2	2	3	3	4	4	4	4	3	3	2	2	2	1	1	1	1	1	50
	L	1	1	1	1	1	2	2	2	3	3	4	4	4	4	3	3	2	2	2	1	1	1	1	1	50
Professional Kit	R	2	2	2	2	2	3	3	4	4	4	4	5	5	5	4	4	4	3	3	2	2	2	2	2	75
	L	2	2	2	2	2	3	3	4	4	4	4	5	5	5	4	4	4	3	3	2	2	2	2	2	75
Master Kit	R	3	3	3	4	5	6	6	9	9	9	9	9	9	9	9	9	9	6	6	5	4	3	3	3	150
	L	3	3	3	4	5	6	6	9	9	9	9	9	9	9	9	9	9	6	6	5	4	3	3	3	150

### Mid Range Kit

BAND SIZE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	
Introductory Kit	R							4	4	4	4	4	5	5	4	4	4	4								50	
	L							4	4	4	4	4	5	5	4	4	4	4									50
Professional Kit	R							6	6	6	6	6	7	7	7	6	6	6	6								75
	L							6	6	6	6	6	7	7	7	6	6	6	6								75
Master Kit	R							12	12	12	12	12	14	14	14	12	12	12	12								150
	L							12	12	12	12	12	14	14	14	12	12	12	12								150

## Mandibular Bicuspid Kits Extended Size Range 3 - 26

NON RIGHT/LEFT • MARKED L3 - L26

### Full Range Kit

BAND SIZE		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTAL
Introductory Kit	R	1	1	1	1	1	2	2	2	3	3	4	4	4	4	3	3	2	2	2	1	1	1	1	1	50
	L	1	1	1	1	1	2	2	2	3	3	4	4	4	4	3	3	2	2	2	1	1	1	1	1	50
Professional Kit	R	2	2	2	2	2	3	3	3	3	5	5	5	5	5	4	4	4	3	3	2	2	2	2	2	75
	L	2	2	2	2	2	3	3	3	3	5	5	5	5	5	4	4	4	3	3	2	2	2	2	2	75
Master Kit	R	3	3	3	4	5	6	6	9	9	9	9	9	9	9	9	9	9	6	6	5	4	3	3	3	150
	L	3	3	3	4	5	6	6	9	9	9	9	9	9	9	9	9	9	6	6	5	4	3	3	3	150

### Mid Range Kit

BAND SIZE		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTAL
Introductory Kit	R							4	4	4	4	4	5	5	4	4	4	4								50
	L							4	4	4	4	4	5	5	4	4	4	4								50
Professional Kit	R							6	6	6	6	6	7	7	7	6	6	6	6							75
	L							6	6	6	6	6	7	7	7	6	6	6	6							75
Master Kit	R							12	12	12	12	12	14	14	14	12	12	12	12							150
	L							12	12	12	12	12	14	14	14	12	12	12	12							150

# Band and Bracket Auxiliaries

## Weldable Lingual Attachments for Band Assemblies

These lingual attachments can be welded to create band assemblies



Lingual Button (flat)  
(30 per pack) • 971-020



Lingual Button (curved)  
(30 per pack) • 971-021



Cuspid/Bicuspid Lingual Cleat  
(100 per pack) • 971-024

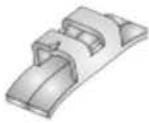


Molar Lingual Cleat  
(100 per pack) • 971-025



Seating Lugs  
(100 per pack)  
Bicuspids • 971-027  
Molars • 971-028

## Lingual Sheaths



.036 slotted, horizontal,  
latching indent. Fits Left or Right  
(10 per pack) • 971-032



.036 slotted, horizontal,  
latching indent hook  
(10 per pack) UR/LL • 971-034  
UL/LR • 971-035



.036 horizontal hook,  
slotted, latching indent  
(10 per pack) UR/LL • 971-036  
UL/LR • 971-037



.036 with vertical hooks  
(10 per pack) UR/LL • 971-038  
UL/LR • 971-039

BANDS

# Storage & Dispensers

## Pre-Packaged Chairside Dispensers



### Sliding Bracket Trays & Rack

Call for pre-loaded tray pricing.  
Individual sliding bracket trays.  
5/8" tall x 5" wide x 2 5/8" deep  
(10 per pack)

Empty  
Sliding Bracket Tray Rack • 482-006  
• 482-006R



### Chairside Bracket Dispenser

Perfect for dispensing individual patient  
set-ups. Stores up to 10 cases of brackets.  
Limits handling and contamination.  
4 1/8" tall x 6 1/8" wide x 3/8" deep  
(brackets not included)

(10 per pack) • 482-001



### Bracket Tray

For single patient use. Excellent for  
transporting brackets to chairside.  
Adhesive circles hold one complete  
set-up of brackets and buccal tubes.  
7 1/2" x 2 1/2" (brackets not included)

(25 per pack) • 482-002



### Band Storage Cabinet

Holds band tray inserts, which can be easily  
removed for chairside use. Note: Molar trays  
not included. Trays can be purchased separately  
(see below). 7 1/4" tall x 11 1/2" wide x 7 1/2" deep

Cabinet (trays not included) • 482-016  
RealFit® Band Tray (Cover • 482-012) • 482-018



### White Carousel Bracket Trays

White with clear cover. Holds 10 cases.  
Twist dial design reduces handling and  
contamination of brackets, which remain  
secure and easy to identify and access.  
7" x 3 3/8"

(Holds 10 cases) • 104-198



### Band or Bracket Leatherette Cases

Attractive cases for storage and dispensing of  
bands, band assemblies and brackets. Cases  
are silver. Logo with band type on sides.  
7" tall x 11" wide x 1" deep

RealFit®  
Logo - Bracket • 482-024  
• 482-025

# Direct Bond Lingual Attachments



## Bondable Retainers Lower Cuspid-to-Cuspid (3x3)

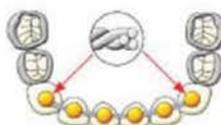
Made from heat treatable .032" wire and 80-gauge foil mesh pads for superior bond strength. May be fitted to study model or in some cases directly to patient.



Individual components (5 per pack):

22 mm • 433-022      28 mm • 433-028  
 24 mm • 433-024      30 mm • 433-030  
 26 mm • 433-026

Kit • 433-000  
 (4 of each size in a convenient dispenser case)  
 20 total



## Bondable Lingual Retainer Wire

Made of .032" stainless steel in tight twist which will not unravel when cut and facilitates bonding without end loops or bonding pads. Allows for long term stability with physiologic teeth movement. Bond any or all teeth in segment. 7" straight lengths.

(20 per pack)

• 433-040



## Direct Bond Lingual Cleat

Low-profile design with smooth ball hooks easily adjusted for elastic placement or other treatment purposes.

(20 per pack)

• 430-004



## US Pro-MIM® Direct Bond Button

Nickel-Lite®. Single unit metal injected molded and tailored to conform to tooth surface. Features Grip-LOK® base.

(20 per pack)

• 430-002



## Direct Bond Lingual Sheath

Foil mesh pad, bonds directly to molars. .036 slotted, horizontal, latching indent. Fits left or right.

(10 per pack)

• 971-032DB



## US Pro-MIM® Direct Bond Lingual Button

Nickel-Lite®. Small size allows bonding in hard to access areas. Small radiused head ensures patient comfort and provides room to tie elastics or wires. Features Grip-LOK® base for greater bond strength.

(10 per pack)

• 430-001



## US Pro-MIM® Direct Bond Eyelet

This Nickel-Lite® eyelet can be easily bonded to any tooth. It offers better bond strength and a Grip-LOK® base.

(10 per pack)

• 430-005



## US Pro-MIM® Bite Guide™

One-piece unit which bonds directly to lingual side of the upper centrals to efficiently open a deep bite and/or advance the mandible. Simply reverse unit with respect to the ID mark for appropriate use.

(10 per pack)

Stainless Steel  
 Composite

• 430-006  
 • 430-007



## US Pro-MIM® Direct Bond Eyelet with Chain

A great addition to a popular favorite, our eyelet is now available with a 1" length sterling silver chain that can be used as full length or trimmed as needed. Strong and completely biocompatible, the chain links are big enough to thread power elastics through to provide traction in the desired direction to expose impacted teeth.

(1 per pack)

• 430-005C



## Composite Direct Bond Button

Aesthetically pleasing button is smooth and radiused for enhanced patient comfort. Durable and stain resistant, the base is curved for an anatomical fit with dove-tailed grooves on base for secure mechanical bond. Bonds with any bonding adhesive with no extra primer necessary.

(10 per pack)

• 430-000

# Mini Mold

Mini Molds replicate buttons, bite ramps, habit control spikes, temporary brackets, molar tubes, molar pads, and create uniform lingual retainer bonds using light cure adhesives. Such molds are designed to pack with light cure adhesives as it presses against the enamel and leaves a formed auxiliary on any tooth in minutes.

## Contents of Kit:

- 27 Mini Mold tips
- 2 Handles

## 3 STEP TECHNIQUE

- **FILL** the selected Mini-Mold tip with light-cure resin
- **PLACE** the Mini-Mold tip on desired tooth
- **LIGHT CURE** Mini-Mold tip for 3-5 seconds



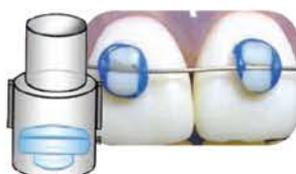
ADHESIVES



### BUTTON BONDER

Forms a lingual button without impressions. Can be placed anywhere a button is needed.

10/pk • 481-004



### BRACKET BONDER

Forms a single wing bracket for simple correction. Splinting loose teeth due to traumatic injury.

10/pk • 481-011



### BITE RAMP

Forms a bite opening ramp on the lingual of the upper incisors. Use to adjust the occlusion as needed.

3mm- 8/pk • 481-117  
5mm- 8/pk • 481-117L



### HABIT CONTROL

Forms a small conical spike on the lingual of the incisors. Correct thumb sucking and tongue thrusting with minimal chair time.

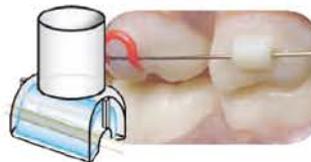
10/pk • 481-116



### WIRE BONDER

Forms a precise spherical resin mound over an archwire. Ideal for making direct retainers in minutes. Excellent for rotational corrections.

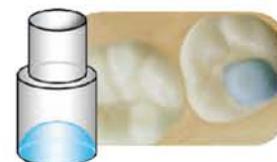
Large- 10/pk • 481-001  
Small - 10/pk • 481-009



### TUBE BONDER

Forms a tube for easy placement on erupting second molars. Use on the gingival of molar to hold a retainer clasp from slipping. Temporary tubes for relapse or simple cases.

10/pk • 481-123



### MOLAR PAD

Forms a precise spherical mound on the posterior cusps. Compliments the Anterior Bite-Ramp for opening the bite from the posterior teeth.

10/pk • 481-007



**Ultra Band Lok Kit 6-5GM Push • 480-501**

- Single Paste System- No wasteful mixing
- Light Activated- No working time constraints
- No Mixing
- All Purpose Cement- Ultra Band-Lok® can be also used to bond large acrylic appliances and as an occlusal build-up material. When bonding the appliances you must first etch the enamel surface.
- Bonds to metal- Ultra Band-Lok® will bond chemically to stainless steel bands. Removal is all in one piece with cement in the appliance.

\*Available in Natural or Blue Shade

**CONTENTS OF Ultra Band Lok**  
• 30g Paste in Push Syringes

ADHESIVES

**Pad Lok Kit • 480-201**

- Bonds Chemically to Metal- Pad Lok® was developed to increase adhesion to even the finest mesh bases. The paste contains a monomer that bonds chemically as well as mechanically to metal bracket bases improving adhesion.
- Fluoresces- Pad Lok® Paste will fluoresce when illuminated with any ultraviolet black light. This feature allows the operation to disclose flash not removed at the time of bracket placement and adhesive remnants left at debonding.
- Single Paste, Light Activated
- Compatible with all Sealants and Self-Etching Primers
- Available with or without fluoride

**Suggested Uses** Bracket adhesive



**CONTENTS OF KIT**  
• 18g Paste • 3cc Sealant Resin • Mixing Pad  
• 9g Etching Agent (Liquid or Gel) • Spatulas  
• Brushes (Sponge pellets may substituted for brushes)  
**REFRIGERATION IS RECOMMENDED**



**Excel® Regular Kit • 480-701**

- Contains Fluoride- Excel® Paste and Bonding Resin are formulated with a patented fluoride releasing monomer that will not reduce bond strength.
- Unsurpassed bond strength
- Thin, creamy consistency
- Extended Working Time- Excel® Regular Set (3 minute working time) allows the operator sufficient time to spatulate the material, apply it to the appliance, place the appliance into the mouth and clean up excess flash. For individual bracket placement, Excel® Fast Set is recommended because of its 60 second working time.

**Suggested Uses** Indirect bonding adhesive, bonded acrylic appliances

**CONTENTS OF EXCEL® REGULAR KIT**  
• 12g Catalyst Paste (A) • 12g Base Paste (B) • 7g Sealant Resin (A) • 7g Sealant Resin (B)  
• 9g Etching Agent (Liquid or Gel) • Spatulas • Mixing Pad  
• Brushes (Sponge pellets may substituted for brushes)



## Assure Universal Bonding Resin 6CC • 480-601

- Assure® Universal Bonding Resin will increase adhesion to normal, atypical, dry or slightly contaminated enamel. This universal bonding agent bonds to metal restorations without additional primers. No drying or light curing required and can be used with any light or chemical cure system.
- Assure® Universal Bonding Resin will bond to the following surfaces without additional primers: fluorosed, deciduous, bleached or wet enamel, dentin, metal surfaces and composite restorations.
- Assure® Universal Bonding Resin is Enhance™ Adhesion Booster and bonding resin in one step!

## 7cc Light Bond filled Sealant with Fluoride • 480-402

- **Available With or Without Fluoride- Light Bond™ Paste**  
It is available without fluoride in Push Syringe only.
- **Unsurpassed Bond Strength- Light Bond™ Paste** is a highly filled material that delivers maximum bond strength in all situations with all types of appliances.
- **Smooth Tacky Paste Viscosity-** The viscosity of Light Bond™ Paste is very tacky which prevents bracket flotation.
- **Total Paste Polymerization Under All Bracket Bases-** Light Bond™ is comprised of a catalyst and filler that reflects the light to insure complete polymerization under any appliance: metal, ceramic, sapphire or plastic. Once the material has been properly cured, an archwire can be placed immediately.
- **Ease of Removal-** Light Bond™ is a small particle glass filled material designed specifically for orthodontic use that allows maximum penetration of filler into the finest screen mesh base and removal without enamel scarring.

**Suggested Uses** Bracket adhesive



ADHESIVES

## Flow Tain Flowable Paste with Tips • 480-801



- **FlowTain™ and FlowTain™ L.V.** are flowable light-cured composites.
- **FlowTain™ and FlowTain™ L.V.**, when cured, have a low modulus of elasticity and are not as brittle as conventional composites.
- **Flowable Viscosity-** Even though **FlowTain™** and **FlowTain™ L.V.** are flowable materials, their thixotropic properties prevent them from slumping for better control.
- **Needle Tip Dispenser-** Using the tips provided, these materials are easily injected onto lingual surfaces and across fiber splints.

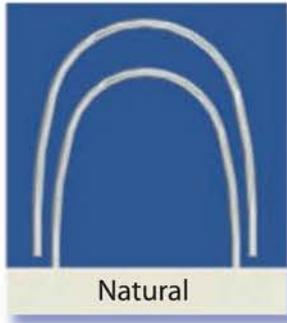
**Suggested Uses** Lingual retainer adhesive, attachments on thermoplastic tooth aligning products, splinting material (e.g. fibers), indirect bonding adhesive, archwire stops

## Self Etching Primer • 480-301

- 4ml (Mixed Etchant and Primer)



# Archwire Selection Guide



Natural

Specifically designed for use with Straight Archwire technique.



Standard

Each arch carefully shaped to average maxillary and mandibular size.

## ARCHWIRES



Round

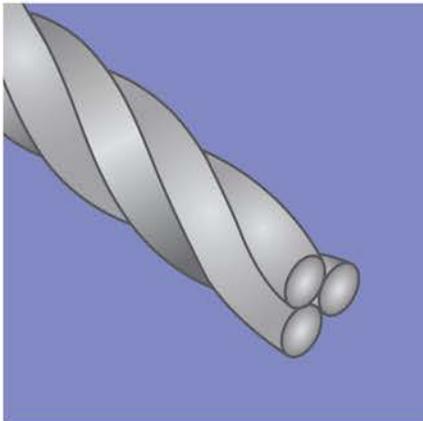
### Permanent Laser-etched Midlines

Upper: 3 Black Laser Marks  
Lower: 1 Black Laser Mark



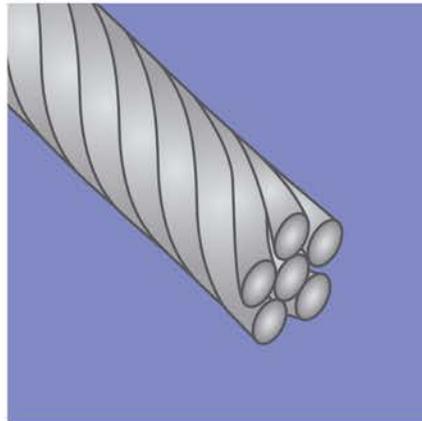
Rectangular

### Twist Wire (3-Strand)



Super spring and hard tempered for gentle leveling during early treatment stages. Triple strand twist wire accepts greater deflection before elastic limit is reached.

### Coaxial Wire (6-Strand)



Low friction, superior formability properties and working range. Excellent for leveling and aligning.

### Braided Archwire (8-Strand)



Rectangular wire exerts very low continuous force. For early torquing, rotational control and finishing.

V-Loop Archwires

# DuraForm. NiTi Archwires

High performance with memory. Delivers constant force for efficient tooth movement. Excellent initial archwire for leveling, aligning, and rotating.

		10 PK	
	ROUND	UPPER	LOWER
	.012"	130-112T	130-212T
	.014"	130-114T	130-214T
	.016"	130-116T	130-216T
	.018"	130-118T	130-218T
	.020"	130-120T	130-220T
	RECTANGULAR	UPPER	LOWER
	.016" x .016"	136-116T	136-216T
	.016" x .022"	136-122T	136-222T
	.016" x .025"	136-125T	136-225T
	.017" x .017"	137-117T	137-217T
	.017" x .022"	137-122T	137-222T
	.017" x .025"	137-125T	137-225T
	.018" x .018"	138-118T	138-218T
	.018" x .022"	138-122T	138-222T
	.018" x .025"	138-125T	138-225T
	.019" x .025"	139-125T	139-225T
	.021" x .025"	131-125T	131-225T

# DuraForm. Thermally Activated

Reacts to the heat in a patient's mouth and exerts light and continuous force.

		10 PK	
	ROUND	UPPER	LOWER
	.012"	100-850	100-851
	.014"	100-852	100-853
	.016"	100-854	100-855
	.018"	100-856	100-857
	.020"	100-858	100-859
	RECTANGULAR	UPPER	LOWER
	.016" x .016"	100-860	100-861
	.016" x .022"	100-862	100-863
	.017" x .025"	100-864	100-865
	.018" x .018"	100-864A	100-865B
	.018" x .025"	100-866	100-867
	.019" x .025"	100-868	100-869
	.021" x .025"	100-870	100-871

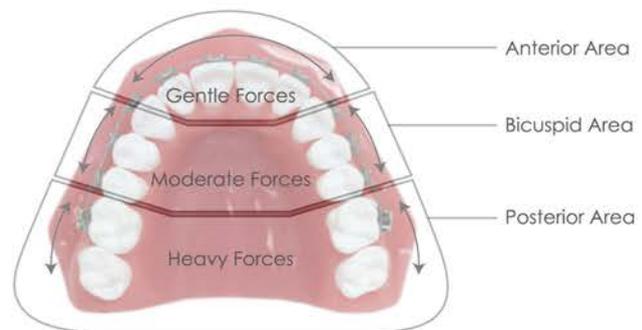
# DuraForm. NiTi Self-Ligating Arch

The unique universal arch can be used for upper and lower areas. Perfect use for self-ligating brackets. Self-ligating arches contain all three features of DuraCore, Duraform, and Beta.

		10 PK		
	SIZE	UNIVERSAL	FORCE LEVEL	ARCHWIRE
Phase I: Initial	.012"	102-012		
	.013"	102-013		
	.014"	102-014	Light	DuraForm Niti
	.016"	102-016		
	.018"	102-018		
	.013"	102-113		
	.014"	102-114	Extra Light	DuraForm Niti Thermally Activated
	.018"	102-118		
Phase II: Intermediate	.014" x .025"	102-214		
	.016" x .025"	102-216	Light	DuraForm Niti
	.018" x .025"	102-218		
	.014" x .025"	102-224		DuraForm Niti Thermally Activated
	.016" x .025"	102-226	Extra Light	DuraForm Niti Thermally Activated
.018" x .025"	102-228			
Phase III: Finishing	.016" x .025"	102-316		
	.017" x .025"	102-317	Medium	Beta Titanium
	.019" x .025"	102-319		
	.018"	102-408		DuraCore
	.016" x .025"	102-416	High	Stainless Steel
	.019" x .025"	102-419		

# DuraForm. 3D Thermal Niti

One archwire features the benefits of three archwires with its distinct strengths of the anterior, bicuspid, and posterior areas. Also reduces the number and frequency of archwire changes.



		10 PK	
	ROUND	UPPER	LOWER
	.016"	101-954	101-955
	.018"	101-956	101-957
	RECTANGULAR	UPPER	LOWER
	.016" x .016"	101-960	101-961
	.016" x .022"	101-962	101-963
	.017" x .025"	101-966	101-967
	.018" x .018"	101-968	101-969
	.018" x .025"	101-970	101-971
	.019" x .025"	101-972	101-973
	.020" x .020"	101-974	101-975

ARCHWIRES

## Beta (Nickel Free) Titanium

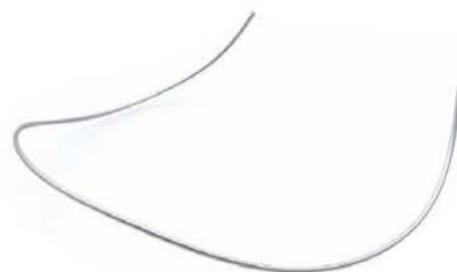
Nickel Free Beta Titanium Alloy.  
Once a loop is formed, it maintains the intended shape.

	10 PK		
	ROUND	UPPER	LOWER
	.016"	100-941	100-951
	.018"	100-942	100-952
	.020"	100-943	100-953

	10 PK		
	RECTANGULAR	UPPER	LOWER
	.016" x .016"	100-960	100-961
	.016" x .022"	100-944	100-954
	.017" x .025"	100-945	100-955
	.018" x .018"	100-946	100-956
	.018" x .025"	100-947	100-957
	.019" x .025"	100-948	100-958
	.021" x .025"	100-949	100-959

## DuraForm® Reverse Curve of Spee (RCS)

Open bites, prevents molar rotations and maintains anterior torques.



	10 PK		
	ROUND	UPPER	LOWER
	.012"	100-598A	100-598B
	.014"	100-599	100-600
	.016"	100-601	100-602
	.018"	100-603	100-604
	.020"	100-613	100-614

	10 PK		
	RECTANGULAR	UPPER	LOWER
	.016" x .016"	100-603C	100-604D
	.016" x .022"	100-605	100-606
	.017" x .025"	100-607	100-608
	.018" x .018"	100-607A	100-608A
	.018" x .022"	100-607B	100-608B
	.018" x .025"	100-607C	100-608C
	.019" x .025"	100-609	100-610
	.021" x .025"	100-611	100-612

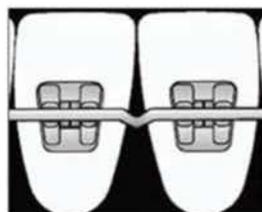
ARCHWIRES

## DuraForm® Dimpled Archwires

Dimpled "Notch" Reduced Archwire Drift and "Slide-Out"

Dimpled Nitium® Archwires feature a permanent "dimpled" center reference mark that will not rub off like inked marks, and is easy to see in normal office light. Manufactured from super-elastic nickel titanium, these wires reduce wire rotation, prevent "slide-out" from buccal tubes and eliminate distal wire bends.

Upper arch dimples are wider than lower arches for easy identification.



	10 PK		
	Dimpled Nitium® Archwires ROUND	UPPER	LOWER
	DIAMETER		
	.014"	100-800	100-801
	.016"	100-802	100-803
	.018"	100-804	100-805

	10 PK		
	Dimpled Nitium® Archwires RECTANGULAR	UPPER	LOWER
	DIAMETER		
	.016" x .016"	100-808	100-809
	.016" x .022"	100-810	100-811
	.017" x .025"	100-812	100-813
	.018" x .025"	100-814	100-815
	.019" x .025"	100-816	100-817

# DuraCore. Stainless Steel Archwires

Specifically designed with special alloy that provides maximum spring while minimizing fracturing.



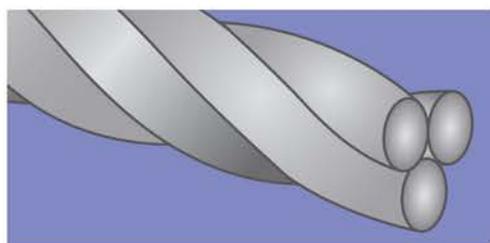
	100 PK		
	ROUND	UPPER	LOWER
	.012"	110-112	110-212
	.014"	110-114	110-214
	.016"	110-116	110-216
	.018"	110-118	110-218
	.020"	110-120	110-220

	RECTANGULAR	UPPER	LOWER
	.016" x .016"	116-116	116-216
	.016" x .022"	116-122	116-222
	.016" x .025"	116-125	116-225
	.017" x .017"	117-117	117-217
	.017" x .022"	117-122	117-222
	.017" x .025"	117-125	117-225
	.018" x .018"	118-118	118-218
	.018" x .022"	118-122	118-222
	.018" x .025"	118-125	118-225
	.019" x .025"	119-125	119-225
	.021" x .025"	121-125	121-225

ARCHWIRES

## DuraCore. Twist Wire Stainless Steel Preformed Archwires

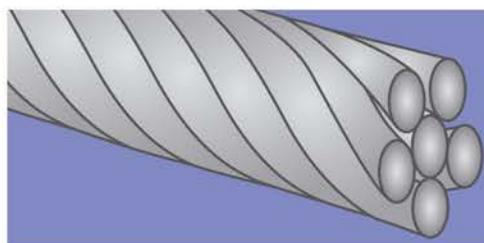
Super spring and hard temper for gentle leveling during early treatment stages. Triple stranded twist wire accepts greater deflection before elastic limit is reached. End will not fray when cut.



	10 PK		
	Twist Pro Form™ ROUND	UPPER	LOWER
	DIAMETER		
	.015"	100-301	100-302
	.0175"	100-303	100-304
	.0195"	100-305	100-306

## DuraCore. Coaxial Archwires

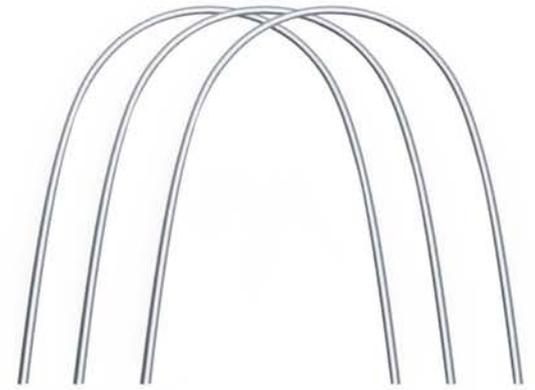
Coaxial twist wire (5 wires wrapped around a single core wire), is a super resilient wire that can be bent to a greater degree than ordinary twist wire - without taking a set. Its resilience is most apparent with severely malposed case. Coaxial wire is an excellent initial archwire.



	10 PK		
	Coaxial Pro Form™ ROUND	UPPER	LOWER
	DIAMETER		
	.015"	100-351	100-352
	.0175"	100-353	100-354
	.0195"	100-355	100-356

# White Coated Wires

Stain and crack resistant. Friction reducing white-colored coating. Enhance the visual appearance of aesthetic bracket systems.



## DuraForm. NiTi White Coated

10 PK

ROUND	UPPER	LOWER
.012"	100-878	100-879
.014"	100-880	100-881
.016"	100-882	100-883
.018"	100-884	100-885
.020"	100-806	100-807

## DuraCore. SS White Coated

10 PK

ROUND	UPPER	LOWER
.012"	101-878	101-879
.014"	101-880	101-881
.016"	101-882	101-883
.018"	101-884	101-885
.020"	101-884A	101-885B

RECTANGULAR	UPPER	LOWER
.016" x .016"	100-876	100-877
.016" x .022"	100-886	100-887
.017" x .025"	100-886A	100-886B
.018" x .018"	100-887A	100-887B
.018" x .025"	100-888	100-889
.019" x .025"	100-890	100-891
.021" x .025"	100-892	100-893

RECTANGULAR	UPPER	LOWER
.016" x .016"	101-876	101-877
.016" x .022"	101-886	101-887
.017" x .025"	101-886A	101-886B
.018" x .018"	101-887A	101-887B
.018" x .025"	101-888	101-889
.019" x .025"	101-890	101-891
.021" x .025"	101-892	101-893

ARCHWIRES



## White Coated Preformed Ligature Wires

100 PK

ROUND	UPPER
.012"	100-420

## White Coated Shorty Ligature Twists

## White Coated Shorty Koby Twists

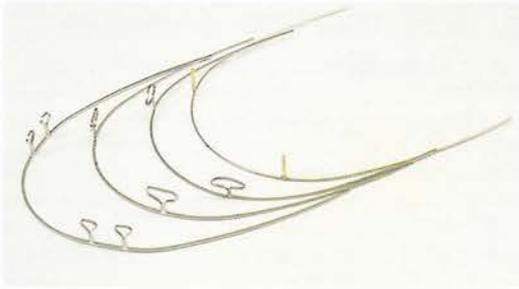


SIZE	100 PK
.010"	100-422
.012"	100-422B

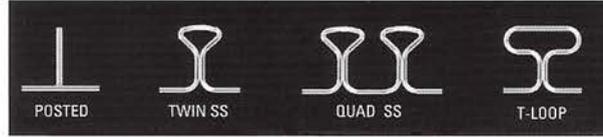


SIZE	100 PK
.012"	100-423

# Retraction/Intrusion Archwires



- Close Space
- Arch Alignment
- Anterior Intrusion
- Retraction
- Anterior Retraction
- Elastic Engagement



## DuraCore® Stainless Steel Posted Archwires



These archwires have extra long soldered joints and pliable brass posts for ease of adjustment. Assists in retraction of anterior teeth and consolidation of space.

- Assorted sizes to fit all situations
- Excellent for use with elastics and springs
- Uniform post placement

Individual Posted Archwires						
SIZE*	.018	.020	.016 x .022	.017 x .025	.018 x .025	.019 x .025
Upper 44mm	102-044	103-044	104-044	121-044	107-044	101-044
Upper 42mm	102-042	103-042	104-042	121-042	107-042	101-042
Upper 40mm	102-040	103-040	104-040	121-040	107-040	101-040
Upper 38mm	102-038	103-038	104-038	121-038	107-038	101-038
Upper 36mm	102-036	103-036	104-036	121-036	107-036	101-036
Upper 34mm	102-034	103-034	104-034	121-034	107-034	101-034
Upper 32mm	102-032	103-032	104-032	121-032	107-032	101-032
Lower 30mm	112-030	113-030	114-030	121-030	117-030	111-030
Lower 28mm	112-028	113-028	114-028	121-028	117-028	111-028
Lower 26mm	112-026	113-026	114-026	121-026	117-026	111-026
Lower 24mm	112-024	113-024	114-024	121-024	117-024	111-024
Lower 22mm	112-022	113-022	114-022	121-022	117-022	111-022

10 PK



Posted Archwire Kits	12 assorted sizes in each kit (does not include rack)
SIZE*	Catalog Number
.018 Kit (46 wires)	102-099
.020 Kit (29 wires)	103-099
.016 x .022 Kit (30 wires)	104-099
.017 x .025 Kit (36 wires)	105-099
.018 x .025 Kit (49 wires)	107-099
.018 x .025 Kit (36 wires)	101-099

\*mm size is inside measurement around arch form, between posts

ARCHWIRES

## DuraCore® Keyhole Loop Stainless Steel Archwires

Available in KITS or INDIVIDUAL PACKS

Keyhole Loop Archwires are versatile in closing spaces, retractions and arch alignment. Available in "balanced size" kits of 100 archwires or individual packs of 10 archwires.



Quad (4) Loop Design			
SIZE*	.016 x .022	.017 x .025	.019 x .025
22mm	126-121	126-141	126-181
24mm	126-122	126-142	126-182
26mm	126-123	126-143	126-183
28mm	126-124	126-144	126-184
30mm	126-125	126-145	126-185
32mm	126-126	126-146	126-186
34mm	126-127	126-147	126-187
36mm	126-128	126-148	126-188
38mm	126-129	126-149	126-189
40mm	126-130	126-150	126-190
42mm	126-131	126-151	126-191
44mm	126-132	126-152	126-192
Kit (100 wires)	126-120	126-140	126-180

Twin (2) Loop Design			
SIZE*	.016 x .022	.017 x .025	.019 x .025
22mm	125-121	125-141	125-181
24mm	125-122	125-142	125-182
26mm	125-123	125-143	125-183
28mm	125-124	125-144	125-184
30mm	125-125	125-145	125-185
32mm	125-126	125-146	125-186
34mm	125-127	125-147	125-187
36mm	125-128	125-148	125-188
38mm	125-129	125-149	125-189
40mm	125-130	125-150	125-190
42mm	125-131	125-151	125-191
44mm	125-132	125-152	125-192
Kit (100 wires)	125-120	125-140	125-180

# DuraCore® Stainless Steel T-Loop Archwires

Increases the efficiency of space closure, retraction and elastic engagement.



 <b>"T" Loop Design</b> <b>SIZE*</b>	Kit includes storage rack		
	.016 x .022	.017 x .025	.019 x .025
24mm	125-302	125-322	125-362
26mm	125-303	125-323	125-363
28mm	125-304	125-324	125-364
30mm	125-305	125-325	125-365
32mm	125-306	125-326	125-366
34mm	125-307	125-327	125-367
36mm	125-308	125-328	125-368
38mm	125-309	125-329	125-369
40mm	125-310	125-330	125-370
42mm	125-311	125-331	125-371
44mm	125-312	125-332	125-372
46mm	125-313	125-333	125-373
<b>Kit (36 wires)</b>	125-300	125-320	125-360

\*mm size is inside measurement around arch form, between loops

## 14" Straight Length Archwires

Stainless Steel Straight Lengths

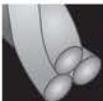
Diamond drawn to exact tolerances for optimal resilience for every orthodontic application. Wire has excellent working characteristics, accepts severe bends with minimal fracturing and is easily soldered. Twist and Coaxial Wires are tightly wound, precision-formed and may be cut without unraveling. Retainer Wires are medium/hard temper to facilitate forming retainers and lingual arches.

ARCHWIRES

 <b>14" Straight Lengths ROUND</b>		20 PK
DIAMETER	CATALOG NUMBER	
.012"	100-012	
.014"	100-014	
.016"	100-016	
.018"	100-018	
.020"	100-020	
.022"	100-022	
.025"	100-025	
.028"	100-028	
.030"	100-030	
.032"	100-032	
.036"	100-036	
.040"	100-040	
.045"	100-045	

 <b>14" Straight Lengths RECTANGULAR</b>		20 PK
DIAMETER	CATALOG NUMBER	
.016" x .016"	100-046	
.016" x .022"	100-047	
.017" x .025"	100-049	
.018" x .025"	100-051	
.019" x .025"	100-052	
.021" x .025"	100-053	

## Multi-Strand Straight Lengths

 <b>14" Straight Lengths Twist Wire - 3 Strand</b>		20 PK
DIAMETER	CATALOG NUMBER	
.015"	100-208	
.0175"	100-209	
.0195"	100-210	
.0215"	100-211	

 <b>14" Straight Lengths Coaxial Wire - 6 Strand</b>		20 PK
DIAMETER	CATALOG NUMBER	
.015"	100-258	
.0175"	100-259	
.0195"	100-260	

## Archwire Racks and Covers

### Display Racks for Preformed Archwires

All Archwire racks come with self-stick archwire size details. These archwire racks are excellent organizers for chairside use.



#### Molded Archwire Rack Cover

4½" L x 10" W x 3½" H • 120-006MC

Fits • 120-000, • 120-003, • 120-004  
(Rack and Archwires not included)

Archwires shown are not included with racks.

## Display Racks for Posted Archwires

All Archwire racks come with self-stick archwire decals



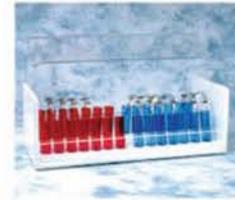
#### Master Posted Rack (Shown with cover)

14½" L x 9" W x 1¼" H • 120-002

Accommodates 3 rows of posted archwires and 1 row of regular Pro Form™ archwires (Total of 48 slots) White acrylic base.

Master Clear Cover (As shown above)

14½" L x 9" W x 3¾" H • 120-012



#### Covered Small Posted Rack

4¼" L x 10" W x 3½" H • 120-003C

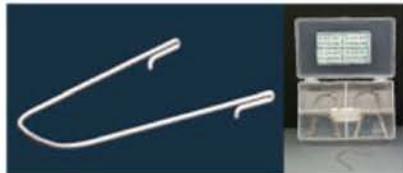
Has 14 rows of storage

Base is numbered 22 through 44 to accommodate a full set of posted wires

## Fixed Lingual Controlled Arch

Can be used for applications such as control of rotation, uprighting and stabilization and space maintenance. A simple fixed "U" shaped stainless steel appliance that fits into standard .036" x .027" horizontal lingual sheaths.

Available in sizes 1 through 4. Use in maxillary or mandibular arches. 5 per pack.



Size 1	• 032-061
Size 2	• 032-062
Size 3	• 032-063
Size 4	• 032-064
Kit (contains 5 of each size)	• 032-060

ARCHWIRES

## K-Loop™ Molar Distalizing Appliance



Developed in consultation with Dr. Varun Kalra

Used to distalize molars in a more bodily fashion as the special V-bend in the K-Loop™ moves both the crown and root distally. Made of CNA™ Beta III Titanium, the K-Loop™ produces gentle continuous forces for efficient and effective tooth movement. 5 per pack.

• 034-000

### Activation:



**Step 1:** Insert K-Loop™ into first molar tube and first premolar bracket. Place a mark just mesial to the molar tube and distal to the premolar bracket.



**Step 2:** Place 2.0mm high step bend 2.0mm distal to the molar mark and 2.0mm mesial to the premolar mark.



**Step 3:** Insert K-Loop™ in place and ligate into premolar bracket. Place a cinch back bend mesial to the premolar bracket as shown.

# Crimpable Hooks and Stops

## Crimpable Archwire Hooks



Precision-MIM® crimpable hooks are easily crimped onto archwire for precise placement in or outside the mouth. Crimp tubes create a strong, non-sliding lock with the archwire and remains firmly in place during treatment. Ball hook may be bent for right or left applications. All hooks fit round or rectangular wire up to .018 x .025.

Crimpable Ball Hooks (20 per pack)	• 430-010
Crimpable Archwire Power Hooks	
- Rights (20 per pack)	• 430-015
- Lefts (20 per pack)	• 430-016
Hook Crimping Plier (Straight) see page 66	• 203-435

## Crimpable Archwire Tubes with Hooks



Provides a firm anchor point for a variety of applications. Can be positioned anywhere on an archwire by threading the wire through the tube before engaging the brackets. The tube then can be locked securely into position by crimping it with a How Plier or dull wire cutter. 10 per pack.

.017 x .025 Crimpable Tubes	• 430-022
.019 x .025 Crimpable Tubes	• 430-023

## MIM® Crimp Stop



Our MIM® Crimp Stop can be placed anywhere on an archwire to limit tooth movement or maintain proper wire positioning. Fits round or rectangular wire up to .021 x .025. 10 per pack.

• 430-020

## Archwire Stop Lock



Ideal for adjustable or tie-back stops applications, spring activation or for prevention of wire migration. Can be fixed firmly in place by positioning the slotted bolt over the archwire and then tightening the nut - using the Double-Sided Archwire Stop Lock Wrench (sold separately). 5 per pack.

.018 Archwire Stop Lock	• 430-031
.022 Archwire Stop Lock	• 430-032
.036 Archwire Stop Lock	• 430-033
.045 Archwire Stop Lock	• 430-033A

## Archwire Stop Lock with Hook



Ideal for anchorage, placement of elastics or springs and traction applications. Use Double-Sided Archwire Stop Lock Wrench to lock in place (sold separately). 5 per pack.

Rights	• 430-034
Lefts	• 430-035

## Micro Stop



Use to limit movement or provide anchorage. Thread the Micro Stop through the archwire to the desired location and crimp with a dull cutter, a Weingart or any other holding plier. The small size makes these comfortable for the patient while being inconspicuous. Available in two sizes. 25 per pack.

Small fits .016" x .016 up to .016" x .025"	• 430-040
Large fits .018" x .018 up to .018" x .025"	• 430-041

## Double-Sided Archwire Stop Lock Wrench

Use for application of stop lock and stop lock with hook



• 430-036

# Ligature Wires & Auxiliaries



## Preformed Ligature Wires

Dead soft temper for maximum workability. Preformed to save valuable chair time. 1000 per pack.

.009 Preformed Ligature Wire	• 100-401
.010 Preformed Ligature Wire	• 100-402
.011 Preformed Ligature Wire	• 100-403
.012 Preformed Ligature Wire	• 100-407



## Ligature Rotation Wedges

Simply ligate this .090 elastomeric wedge under archwire to correct rotations. .012 ligature wire and clear wedge are threaded together. 25 per pack.

• 100-406



## Kobayashi Ligature Tie Hooks

Wire is spot-welded together to form hook. Can be quickly tied in place in the same manner as ligature wire. 100 per pack.

.012 Kobayashi Hooks	• 100-405
.014 Kobayashi Hooks	• 100-404



## Spooled Dead Soft Ligature Wire

Dead soft ligature wire comes in an economical 1 pound spool for doctors who prefer to fabricate their own ligatures. Bright finish. (1 pound spool)

.009 Spooled Ligature Wire	• 100-416
.010 Spooled Ligature Wire	• 100-417
.011 Spooled Ligature Wire	• 100-418
.012 Spooled Ligature Wire	• 100-419



## Shorty Twist Holder

Precision-made stainless steel holder. Allows simple insertion and locking of Shorty Ligature Twists or Shorty Koby Twists. Round body aids in spinning ligature ends for a tight, positive fit.

• 200-428



## Shorty Ligature Twists

Time saving performed wire is dead soft stainless steel ligature with ends twisted for quick placement. Fits Shorty Twist Holder or Mathieu Needle Holder. 500 per pack

.010	• 100-412
.012	• 100-412B



## Shorty Koby Twists

Preformed .012 and .014 dead soft stainless steel ligature wire features twisted ends for rapid engaging and tying for quick placement. Fits Shorty Twist Holder or Mathieu Needle Holder. 100 per pack.

.012 Shorty Koby Twists	• 100-413
.014 Shorty Koby Twists	• 100-414

# Nitan Coil Springs

## Nitanium® Coil Spring Kit



Manufactured from a super-elastic nickel titanium alloy. These springs are designed to open and close spaces with consistent and predictable results. Exclusive perpendicular loop design is easy to engage and remove.

### NITANIUM® COIL SPRING KIT • 100-620

- KIT CONTAINS:**
- 4 EACH • .010 x .030 - 9mm Closing Springs
  - 4 EACH • .010 x .030 - 12mm Closing Springs
  - 4 EACH • .010 x .030 - 9mm Ligature Closing Springs
  - 4 EACH • .010 x .030 - 12mm Ligature Closing Springs
  - 6 EACH • .010 x .030 - 15mm Open Coil Springs
  - 6 EACH • .010 x .036 - 15mm Open Coil Springs
  - 1 EACH • Dispenser/Storage Case

### INDIVIDUAL COMPONENTS

- |             |  |           |
|-------------|--|-----------|
| .010 x .030 | • 9mm Closing Springs (5/pk)           | • 100-622 |
| .010 x .030 | • 12mm Closing Springs (5/pk)          | • 100-623 |
| .010 x .030 | • 9mm Ligature Closing Springs (4/pk)  | • 100-626 |
| .010 x .030 | • 12mm Ligature Closing Springs (4/pk) | • 100-627 |
| .010 x .030 | • 15mm Open Coil Springs (10/pk)       | • 100-630 |
| .010 x .036 | • 15mm Open Coil Springs (10/pk)       | • 100-631 |

## Applications for Individual Components

ARCHWIRES

Nitanium® Closing Springs	Nitanium® Ligature Closing Springs	Nitanium® Open Coil Springs
<p>Excellent for closing spaces and anterior retraction. Easily engaged to bracket hook, buccal hook, sliding hook, or posted wire hook.</p>	<p>When distance between two hooks exceeds expansion limitation of this coil spring, use ligature closing spring to engage hooks.</p>	<p>Provides constant force for maximum efficiency in opening space when placed on wire compressed between two brackets.</p>

## Nitanium® Closed Coil Springs

Nitanium® Closed Coil Springs are manufactured from our super-elastic nickel titanium alloy. Coil springs close spaces with consistent and predictable results. Exclusive perpendicular loop design is easy to engage and remove.



200 GRAMS OF FORCE		QTY/PK	
.010 x .030	9mm	5/pk	• 100-622
.010 x .030	12mm	5/pk	• 100-623
300 GRAMS OF FORCE		QTY/PK	
<small>(color coded purple to distinguish from 200 grams of force)</small>			
.010 x .030	12mm	4/pk	• 100-636
.010 x .030	14mm	4/pk	• 100-637
.010 x .030	16mm	4/pk	• 100-638
.010 x .030	18mm	4/pk	• 100-639

# Nitan Coil Springs (continued)

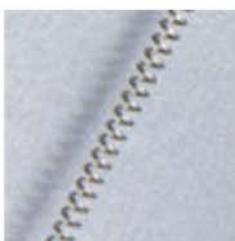


## Nitanium® 15" Spooled Open Coil Spring

Super-elastic, providing tooth movement which is constant, yet gentle for patients. Maximum efficiency in opening spaces when placed on wire and compressed between brackets. 15" spool.

.009 x .030 Open (inner dia.)	• 100-750
.010 x .030 Open (inner dia.)	• 100-751
.012 x .030 Open (inner dia.)	• 100-752
.014 x .030 Open (inner dia.)	• 100-753

.010 x .036 Open (inner dia.)	• 100-754
.014 x .036 Open (inner dia.)	• 100-755
.010 x .045 Open (inner dia.)	• 100-756
.012 x .045 Open (inner dia.)	• 100-757
.012 x .055 Open (inner dia.)	• 100-759



## Nitanium® 7" Length Open Coil Spring

This spring can be deflated twice its original length without taking a permanent set. Tooth movement is constant yet gentle. Provides maximum efficiency in opening or closing spaces when placed on wire and compressed between two brackets. (3 per pack)

.010 x .030 Open (inner dia.)	• 100-643
.010 x .036 Open (inner dia.)	• 100-644
.014 x .037 Open (inner dia.)	• 100-642

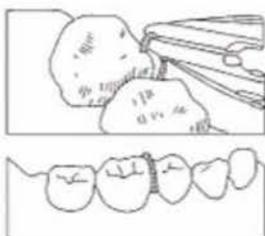


## Nitanium® Molar Distalizing Spring

Super-elastic .010 x .045 springs provide up to 100 grams of continuous force. Fits directly over archwire when distalizing molars. Attaches to hooks for canine/anterior retraction and can be customized to replace Class II elastics. 7" length.

(2 per pack)

.010 x .045	• 100-647
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## Nitanium® Separating Spring

Provides a light consistent force for optimum space opening in minimum time. Maximum patient comfort. Easy to place and self-seating. Simple to remove once sufficient space for banding is achieved.

(20 per pack)



Small (Bicuspid)	• 100-690
Large (Molars)	• 100-691

ARCHWIRES

# Wire Products



## Spooled SS Open Coil Spring and Closed Coil Spring

Coiled spring is made from hard, tempered wire that provides maximum efficiency in opening or closing spaces. May be placed on wire between brackets. 40" spool.

.010 x .030 Open SS Coil Spring	• 106-040
.010 x .036 Open SS Coil Spring	• 106-050
.010 x .030 Closed SS Coil Spring	• 106-060



## Preformed Brass Separating Wire

Time saving preformed design allows for rapid placement. Flat end permits easy insertion from lingual to buccal with extra extension for twisting. Use Mathieu Needle Holder (•203-101R) for best results. 100 per pack.

.020 Brass Separating Wire	• 270-216
.025 Brass Separating Wire	• 270-217



## Australian Super Plus™ Archwire

Features high strength and spring back with improved bending quality. This wire is ideal for high-force applications. 25ft roll.

.014	• 270-081
.016	• 270-082
.018	• 270-083
.020	• 270-084

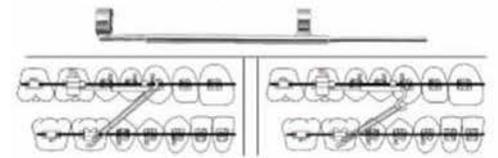


## Ball Clasp

Smooth, round ballhead clasp with retainer wire assists in retention of removable appliances. Ball is twice the diameter of wire. Stress relieved without brittleness. 100 per pack.

.028 Ball Clasp	• 032-207
.030 Ball Clasp	• 032-208

## Adjustable Sliding Yoke



Fully adjustable and easily sized to required length. Useful for distally driving molars or bicuspsids or maintaining molar anchorage. 10 per pack.

Adjustable Sliding Yoke	• 106-210
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## Silver Solder Paste with Flux

Finely ground with uniform consistency to enhance soldering of appliances. Easy to apply for maximum strength of solder joint. Bright finish joint applications. Six month shelf life may be lengthened with refrigeration. 1 oz jar

Silver Solder Paste with Flux	• 600-150
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## Brazing Flux

Smooth creamy formula for easy application and adherence. Designed for chrome alloy wires. May be thinned with water. 1 lb. jar

Solder Flux (White)	• 105-321A
Solder Flux (Black)	• 105-321

## Heat Shield



Virtually eliminates heat transfer and flame like damage during lab fabrication and repairs. Apply gel-like material to desired area to minimize heat conduction. 2 oz. tube

Heat Shield	• 600-121
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# Mini Implants

## ACR-Button Type

### Aesthetics: Compact & Simple

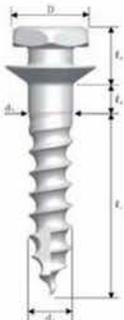
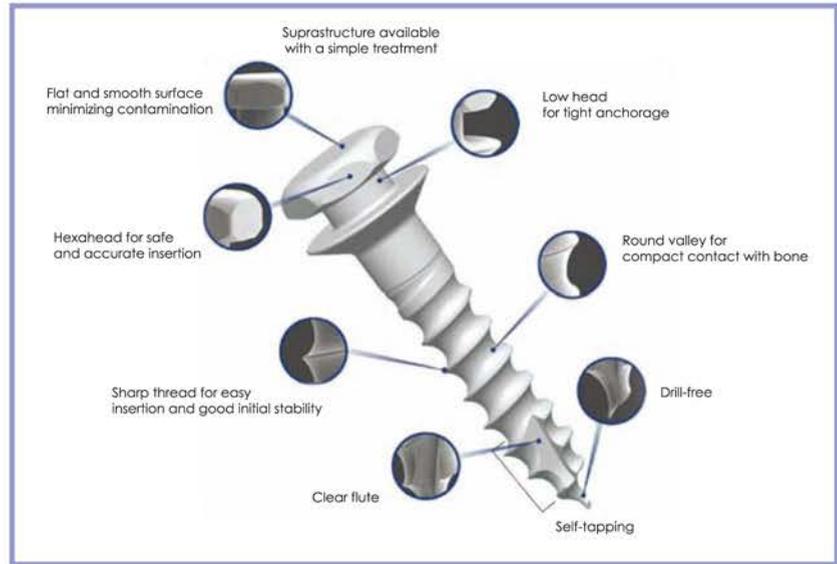
- Minimizes root and bone damage
- Aesthetic satisfaction from small exposure in the oral cavity

### Comfort

- Easy, safe and accurate insertion
- Decreases contamination and foreign body sensation in the oral cavity with low/simple plateau head

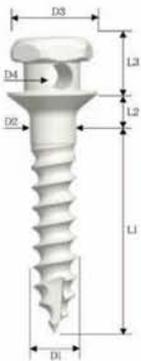
### Reliability

- Slim body with high torsional resistance
- Precisely machined
- Sharp but strong drill-free end



ACR	d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	D	RECOMMENDATION
551-207	1.15	1.20	6.00	1.00	1.90	2.20	Mandible
551-208	1.15	1.20	6.50	1.50	1.90	2.20	Maxilla
551-365	1.25	1.30	5.50	1.00	1.89	2.20	Retromandible
551-375	1.25	1.30	6.00	1.50	1.89	2.20	Mandible
551-506T	1.50	1.80	5.00	1.00	2.10	2.20	Anterior
551-507	1.45	1.50	6.00	1.00	2.10	2.20	For all uses
551-508	1.45	1.50	6.50	1.50	2.10	2.20	
551-509	1.45	1.50	7.00	2.00	2.10	2.20	Thick soft tissue
551-511	1.45	1.50	7.00	4.00	2.10	2.20	

## ACR(H)- HOLE TYPE/ACR(S)- SLOT TYPE



### ACR(H)

MODEL	d <sub>1</sub>	d <sub>2</sub>	d <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
553-507	1.45	1.5	2.75	6	1	3
553-508	1.45	1.5	2.75	7	2	3
553-511	1.45	1.5	2.75	7	4	3



### ACR(S)

MODEL	d <sub>1</sub>	d <sub>2</sub>	d <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
554-506	2.95	1.5	1.45	6	1	2.6
554-507	2.95	1.5	1.45	7	1	2.6
554-509	2.95	1.5	1.45	9	2	2.6
554-511	2.95	1.5	1.45	11	4	2.6

**CAUTION!**  
1.2mm mini-implants are recommended below the attached gingival/mucosa level



Contains: Screw Driver Handle - 1 pc  
Screw Driver Blade - 1 pc  
Mini Screws - 10 pcs

# Elastomerics

## Patient Ties (Latex-free)



Ligatures for individual patient use offer peace of mind by reducing the risk of cross-contamination. Size .120 - 24 modules per stick, 42 sticks per pack. See chart at right for available colors and catalog numbers.

## Mini-Ties .120 Ligatures (Latex-free)



The perfect ligature for individual patient use. With 10 ligatures per stick, there is little waste and reduces risk of cross-contamination. 54 sticks per pack. See chart at right for available colors and catalog numbers.

## Chain Elastic (Latex-free)

15-Foot Short, Long, and Continuous

Made from super-elastic, long lasting material that delivers continuous, gentle force for more predictable tooth movement. The thin wall is easier to ligate under tie wings. Moisture, stain and odor resistant. See chart at right for available colors and catalog numbers.



## Mini-Ties Kits (Latex-free)



Small Kit (1800 ties)

18 individual colors  
10 sticks each  
Empty

• 400-500  
• 400-5BX



Large Kit (2600 ties)

26 individual colors  
10 sticks each  
Empty

• 400-500XL  
• 400-5BXXL

See chart at right for available colors and catalog numbers.

## Ring Ties (Latex-free)

Elastic ligatures are molded on an easy-to-dispense ring. 100 modules per ring. 10 rings per pack. See chart at right for available colors and catalog numbers.



## Pro Rod .120 Ligatures (Latex-free)

Ligatures on preloaded canes. 1000 canes per package. See chart at right for available colors and catalog numbers.



## Available Elastomeric Colors Patient Ties, Mini-ties, & Chains

COLOR	DESCRIPTION
	Black
	Blue
	Burgundy
	Carolina Blue
	Cobalt Blue
	Clear
	Dark Gray
	Glow Blue
	Glow Bright Blue
	Glow Green
	Glow Natural
	Glow Pink
	Glow Purple
	Gold
	Grape
	Gray
	Green
	Jade Green
	Jelly Blue
	Jelly Green
	Jelly Purple
	Light Green
	Light Pink
	Metallic Blue
	Metallic Green
	Metallic Purple
	Metallic Red
	Navy Blue
	Neon Blue
	Neon Green
	Neon Pink
	Orange
	Pearl
	Periwinkle
	Pink
	Purple
	Raspberry
	Red
	Silver
	Sky Blue
	Teal
	Toothtone
	Transparent Gray
	White
	Yellow

PATIENT STICK TIES .120	MINI TIES .120	15-FOOT CHAIN		
		Short	Long	Continuous
401-507	402-507	401-234	407-234	411-234
401-506	402-506	401-349	407-349	411-349
401-514	402-514	401-246	407-246	411-348
401-520	402-520	401-214	407-214	411-214
401-511	402-511	401-215	407-215	411-215
401-502	402-502	401-317	407-317	411-316
401-515	402-515	401-216	407-216	411-216
401-542	—	—	—	—
401-516	402-516	401-217	407-217	411-217
401-517	402-517	401-218	407-218	411-218
401-540	402-540	401-250	407-250	411-399
401-541	—	—	—	—
401-518	402-518	401-252	407-252	411-252
401-513	402-513	401-213	407-213	411-372
401-532	402-532	401-232	407-232	411-232
401-500	402-500	401-315	407-315	411-313
401-510	402-510	401-210	407-210	411-210
401-519	402-519	401-318	407-318	411-318
401-522	402-522	401-219	407-219	411-219
401-523	402-523	401-220	407-220	411-220
401-528	402-528	401-222	407-222	411-222
401-534	402-534	401-254	407-254	411-482
401-533	402-533	401-253	407-253	411-253
401-530	402-530	401-230	407-230	411-230
401-529	402-529	401-259	407-259	411-488
401-537	402-537	401-223	407-223	411-223
401-531	402-531	401-231	407-231	411-231
401-535	402-535	401-484	407-484	411-484
401-512	402-512	401-212	407-212	411-212
401-527	402-527	401-227	407-227	411-227
401-503	402-503	401-233	407-233	411-233
401-524	402-524	401-242	407-242	411-242
401-547	402-547	401-224	407-224	411-224
401-521	402-521	401-221	407-221	411-221
401-538	402-538	401-225	407-225	411-225
401-504	402-504	401-235	407-235	411-342
401-536	402-536	401-486	407-486	411-486
401-505	402-505	401-236	407-236	411-236
401-501	402-501	401-244	407-244	411-244
401-539	402-539	401-228	407-228	411-228
401-525	402-525	401-470	407-470	411-470
401-526	402-526	401-226	407-226	411-226
401-545	402-545	401-345	407-345	411-345
401-509	402-509	401-380	407-380	411-380
401-508	402-508	401-241	407-241	411-241

# Elastomerics (continued)

## Light Force (Latex-free)

Our light force chain elastic has a 20% lighter force than our regular chain and is excellent for low force treatment mechanics. The thinner chain material is easier to apply, reducing chair time.

Light Force 15'

LINK:	CONTINUOUS	SHORT	LONG
Gray	400-313LF	400-314LF	400-315LF
Clear	400-316LF	400-317LF	400-318LF



## Universal Spool Dispenser

Keep your spooled products organized. Easy to use dispenser for chain elastic, tissue guard, thread, coil springs, etc. 9½" x 4" x 2½".

Empty	• 400-902
Uses optional clear cover	• 120-006MC



## Deluxe Spool Dispenser

Compact, aesthetically pleasing design holds 18 spools. Clear cover. 10" x 4" x 4".

Empty	• 400-903
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## Combo Chain & Patient Dispenser

Holds 12 separated spaces for Safe-T-Ties and a bar to accommodate 12 spools of chain elastic. Clear cover with front cut-out for chain elastic facilitates use and provides protection from dust. 6" x 9" x 4".

Empty	• 400-017
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## Ligature Dispenser

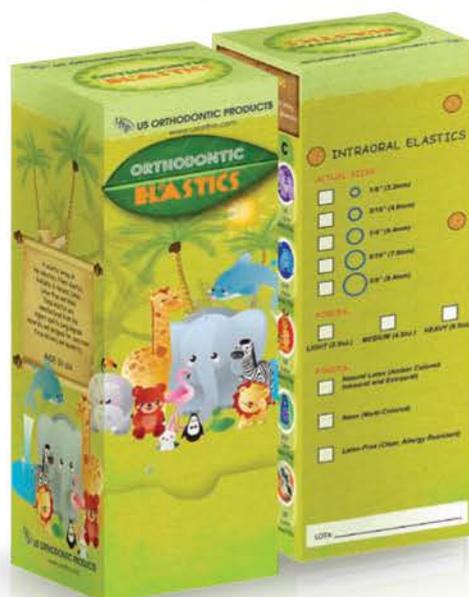
Dispenser contains 24 canes. Each cane can hold up to 11 sticks per color.

Empty	• 400-901
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# Prepackaged Intraoral Elastics

- Manufactured from surgical grade latex
- Precision cut for reliable forces
- Color-coded bag for easy identification
- 100 bands per bag, 50 bags per box
- Minimum order- 1 box



AMBER ELASTICS						
DIAMETER		1/8"	3/16"	1/4"	5/16"	3/8"
mm-Size		3.2	4.8	6.4	7.9	9.4
Bag color		Purple	Green	Red	Blue	Orange
Light (2.5 oz.) A		417-511	417-411	417-311	417-211	417-111
Medium (4.5 oz.) B		417-521	417-421	417-321	417-221	417-121
Heavy (6.5 oz.) C		417-531	417-431	417-331	417-231	417-131



NEON ELASTICS						
DIAMETER		1/8"	3/16"	1/4"	5/16"	3/8"
mm-Size		3.2	4.8	6.4	7.9	9.4
Bag color		Purple	Green	Red	Blue	Orange
Medium (4.5 oz.) B		417-522	417-422	417-322	417-222	417-122
Heavy (6.5 oz.) C		417-532	417-432	417-332	417-232	417-132

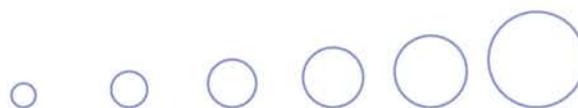


LATEX-FREE CLEAR ELASTICS						
DIAMETER		1/8"	3/16"	1/4"	5/16"	3/8"
mm-Size		3.2	4.8	6.4	7.9	9.4
Bag color		Purple	Green	Red	Blue	Orange
Medium (4.5 oz.) B		417-523	417-423	417-323	417-223	417-123

- Made from medical grade thermoplastic
- Excellent for sensitive patients
- Tasteless and non-staining
- 100 bands per bag, 50 bags per box



Elastic Box Rack • 417-611



BULK PACK AMBER ELASTICS (1000 per pack)							
DIAMETER		1/8"	3/16"	1/4"	5/16"	3/8"	1/2"
mm-Size		3.2	4.8	6.4	7.9	9.4	12.7
Light (2.5 oz.) A		418-511	418-411	418-311	418-211	418-111	—
Medium (4.5 oz.) B		418-521	418-421	418-321	418-221	418-121	—
Heavy (6.5 oz.) C		418-531	418-431	418-331	418-231	418-131	—
X-Heavy (8 oz.) D		—	—	—	—	—	418-041
XX-Heavy (16 oz.) E		—	—	—	—	—	418-051

ELASTICS

# Elastomeric Ligature Ties

Ligatures on preloaded cane dispensers are easily engaged under bracket tie wings, yet hold with continuous force. Gray or clear. 20 canes per pack. 1000 ligatures total.



LIGATURE TIES ON CANES (20 per pack)		
COLOR	DIAMETER	
Gray	.110	• 400-110
Gray	.120	• 400-120
Clear	.110	• 400-111
Clear	.120	• 400-121

LIGATURE TIES BULK PACK		
COLOR	DIAMETER	QTY/PK
Gray	.110	(5,000) • 400-112
Gray	.110	(10,000) • 400-114
Gray	.120	(5,000) • 400-212
Gray	.120	(10,000) • 400-214
Clear	.110	(5,000) • 400-113
Clear	.110	(10,000) • 400-115
Clear	.120	(5,000) • 400-213
Clear	.120	(10,000) • 400-215

## Elastic Tube



Hollow tube is ideal for rotation corrections, cuspid retractions and figure 8's. Consolidate space in the entire arch. Elastic tube has good memory and is easy to ligate. Gray or clear .025 and .030 diameters. 25' or 50' spools.



COLOR	DIAMETER	25-FOOT	50-FOOT
Gray	.025	• 400-025	• 400-034
Gray	.030	• 400-030	• 400-035
Clear	.025	• 400-036	• 400-032
Clear	.030	• 400-037	• 400-033

## Elastic Thread

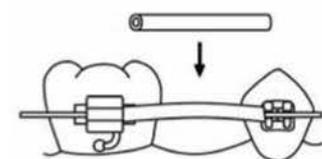


Solid elastomeric material in precision extruded threadform. Exerts continuous long-lasting, predictable force. Moisture, odor and stain resistant. Ideal for rotations, retractions and figure 8's. Gray or clear .025 and .030 diameters. 25' or 50' spools.



COLOR	DIAMETER	25-FOOT	50-FOOT
Gray	.025	• 400-038	• 400-028
Gray	.030	• 400-039	• 400-029
Clear	.025	• 400-040	• 400-026
Clear	.030	• 400-041	• 400-027

## Tissue Guard



Used to slip over archwire to prevent irritation. Gray or clear. Odor and stain resistant. Neat, aesthetic appearance. Fits wires up to .045. 10' spool.

COLOR	DIAMETER	
Clear	.018	• 400-326
Gray	.018	• 400-327
Tooth Tone	.018	• 400-332
Clear	.027	• 400-330
Gray	.027	• 400-331
Tooth Tone	.027	• 400-333
Clear	.046	• 400-328
Gray	.046	• 400-329

## Force System Dispenser



Convenient chairside dispenser for springs, elastics and other auxiliaries. Lightweight. White pebble-grained. Save valuable time with auxiliaries in an easy reach. 1 6/8" L x 9 1/2" W x 2" H

• 420-000

## Elastic Attachers

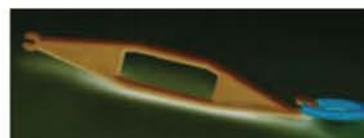


Simplifies placement and removal of intraoral elastics. Simply insert elastic attacher and stretch to desired position and release (reverse the procedure for elastic removal). Mixed assortment of neon pink, neon blue, neon green, and glow.



100 per pack	• 402-011
250 per pack	• 402-010

## Glow Elastic Attachers™



The same design as our regular elastic attachers, but will glow bright after being exposed to direct light. 100 per pack.

• 402-011G

# Separating Elastics - Latex Free

## Standard Separators

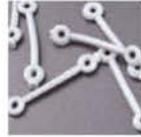


Gray, donut-style separators can be used for anterior or posterior separation. When placed between the teeth, they exert gentle continuous force. 800 per pack.

(Use Elastic Separator Plier for best results • 203-407)

Standard Separator • 400-351

## "K" Modules



Designed for intraoral use to bring elements together with resilient force. They may be attached to lingual buttons, cleats, brackets or hooks. Gray. 100 per pack.

K-0 Modules (12.7 mm) • 400-310

K-2 Modules (20.3 mm) • 400-312

## Dumbbell Separators



White, individual rubber separators can be stretched and slipped between contacts for in-office separations. Contracting action of separators achieves ample separation for banding within minutes. 100 per pack.

Dumbbell Separator • 400-360

## Safe-T Separators



These Safe-T Separators have knobs on either side of each ring. These extend beyond the interproximal area out past the gingiva. Their presence prevents this separator from submerging into the sub-gingival area. Available in two styles: Standard (Purple) and Slim (Blue). The Slim Separator is thinner with less force for use in situations needing only minimal space opening. Each come on star shaped sticks with 80 separators each. 6 stars per bag (480 total).

Purple Standard • 400-352

Blue Slim • 400-353

## Single Separators

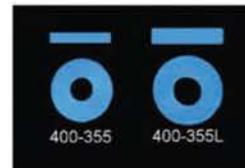
Radio opaque. Precision-cut, blue separating elastics are made from tough, absorption-free elastomeric material. Holds elasticity without deterioration. Separates teeth rapidly due to faster elastic recovery. Easily placed. Good visibility. 1000 per pack.

Blue Regular • 400-355

Blue Large • 400-355L

White Regular • 400-354

White Large • 400-354L



Recommend Deluxe Elastic Separating Plier • 203-407

# Extraoral Products

## Extraoral Laser Welded Facebow (Pro Bow™)



Features ease of adjustment. Comfort and durability for best performance. The laser-welded joint is much smoother and cleaner than a soldered joint. The bow is made of solid wire with no hollow wire inserted. Hygienic, corrosion resistant and more visually attractive. Permanently marked with a centerline. Wire diameter: .045; Angulation: 0°. Vertical loops on inner bow are adjustable.

EXTRAORAL LASER FACEBOW			
INNER ARCH	SIZE NUMBER	MM LENGTH	
.045	1	83	• 425-011
.045	2	90	• 425-012
.045	3	97	• 425-013
.045	4	104	• 425-014
.045	5	111	• 425-015
.045	6	Straight	• 425-016

## Safety Neck Pad with Clip



These modules greatly reduce the risk of slingshot rebound from headgear. Reassembly after release is easy. The stainless steel coil spring allows the doctor to apply specific forces depending on which hole he inserts the facebow.

NECK PAD & SAFETY RELEASE WITH STAINLESS STEEL SPRING	
SS Black Safety Neck Pad (Black clip)	• 426-002
SS Black Safety Neck Pad (Glow-in-the-dark clip)	• 426-003
SS Brown Safety Neck Pad (Black clip)	• 426-004
SS Brown Safety Neck Pad (Glow-in-the-dark clip)	• 426-005

## Velpro™ Safety Neck Pad



Soft Velpro™ material offers maximum patient comfort while greatly reducing slingshot rebound from headgear. Reassembly after release is easy.

NECK PADS (BLACK CLIP)	
Black	• 426-070
Purple	• 426-071
Pink	• 426-072
Blue	• 426-073
Teal	• 426-074

NECK PADS (GLOW-IN-THE-DARK CLIPS)	
Black	• 426-075
Purple	• 426-076
Pink	• 426-077
Blue	• 426-078
Teal	• 426-079

## Face Mask (Reverse Pull)

For use in Class III cases. Made of stainless steel and durable plastic. Features a lightweight, comfortable design. Easily adjusted to fit all patients.



Blue	• 426-055	Teal	• 426-057
Red	• 426-056	Pearl	• 426-058

## Safety Neck Pad Components



SAFETY NECK PAD COMPONENTS	
Black Pad (5/pk)	• 426-000
Brown Pad (5/pk)	• 426-001
Black Clip (10/pk)	• 426-020
Glow-in-the-dark Clip (10/pk)	• 426-021

## Safety High-Pull Head Caps



Extra heavy duty construction for sturdy dependability. Easy to adjust.

SS Black High Pull Cap	
Black clip	• 426-012
Glow-in-the-dark clip	• 426-013

SS Brown High Pull Cap	
Black clip	• 426-014
Glow-in-the-dark clip	• 426-015

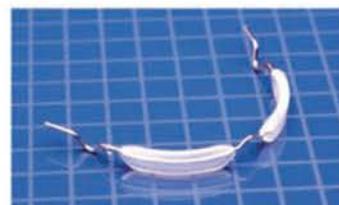
SAFETY HIGH-PULL HEAD CAP COMPONENTS	
Black Caps (5/pk)	• 426-010
Brown Caps (5/pk)	• 426-011

# Orthopedic

## Cushioned Lip Bumpers

Contoured pad for patient comfort

Formed .045" spring tempered stainless steel wire features contoured anterior pad with smooth radiuses. Positive contact with soft tissue provides greater efficiency in distalization and arch development. Pad is slightly flexible for minor anterior wire adjustments. Posterior of wire features adjustable molar loop stops and ligation hooks for tying to molar tubes. Measuring for lip bumpers (cushioned or coated), measure from the distal of the molar omega loop to distal of the omega loop with a white flexi ruler; mm total will be size of lip bumper. 2 per pack.



Available in 7 sizes:

Size 1 • 424-021	Size 3 • 424-023	Size 5 • 424-025	Size 7 • 424-027
Size 2 • 424-022	Size 4 • 424-024	Size 6 • 424-026	

## Coated Lip Bumpers

Formed .045" spring tempered stainless steel wire features nylon coated anterior with smooth radiuses for increased patient comfort. Features ligation hooks (mesial to the adjustable cuspid loops) that can be used to tie in buccal tubes. Cuspid loops provide larger lip contact area for increased distal force. Useful in arch expansion, distalizing and uprighting molars. 2 per pack.

Available in 7 sizes:

Size 1 • 424-011	Size 3 • 424-013	Size 5 • 424-015	Size 7 • 424-017
Size 2 • 424-012	Size 4 • 424-014	Size 6 • 424-016	



## ProSelect II Bow



Designed for use with Class II elastics to distally drive or maintain anchorage of upper molars. Patient acceptance is much higher with Class II Bow over conventional headgear. Pre-soldered with pliable brass hooks for elastic use. Adjusting loops may be formed in wire. .045" wire diameter.

10 per pack • 100-090

## Chin Cup



Designed for use with either high-pull or vertical-pull headgear. Felt-lined for comfort. Rigid plastic cup will not squeeze patient's chin or cheeks.

1 per pack • 426-050

## ProSelect Bite Positioner



Determines vertical and horizontal plane for orthopedic appliances. Patient bites down with central incisors into selected positioner grooves for proper bite. May also be used to achieve special horizontal and vertical measurements.

1 each: 2mm • 301-009  
4mm • 301-010

## Orthopedic Wax Bites



Specifically designed to achieve appropriate teeth registration for construction of orthopedic appliances.

27 per box • 301-021

MISCELLANEOUS

# Auxiliaries



## Cheek Retractors

For treatment with teeth in open or closed bite. Self-retaining. Can be cold sterilized. Excellent for photography.

- Adult Cheek Retractors (2 per pack) • 300-020
- Teen Cheek Retractors (2 per pack) • 300-022
- Pedo Cheek Retractors (2 per pack) • 300-021
- Assortment Pack (one of each size) • 300-023



## Combo Cheek Expander

Performs two tasks at once; expands the cheeks while simultaneously depressing the tongue for unrestricted access to the whole mouth. Can withstand temperatures of 370° F. Amber tint identifies it as an auto clavable plastic instrument.

- Small • 300-016
- Medium • 300-017
- Large • 300-018



## Adjustable Cheek Retractors

Unique bow design allows adjustment to ensure comfortable fit. Can withstand temperatures up to 450° F. Fully sterilizable.

• 300-015



## Lip Retractors

Transparent plastic retractors have long handles so they can be easily held. Excellent for photography. Rounded edges. Can be cold sterilized. (2 per pack)

- Standard Lip Retractors • 300-025
- Mini Lip Retractors • 300-026



## Double End Lip Retractors

Features both a pedo and teen/adult size. Comfortable and easy to hold, yet allows an excellent field of vision for treatment. Amber tint identifies it as an auto clavable plastic instrument. (2 per pack)

• 300-027



## Photo Lip Retractor

One-piece clear plastic retractor has both an anatomical small and large end. Either end is used to push the front lip out of the way to easily photograph the mouth. Cold sterilization only.

• 300-028

MISCELLANEOUS

## Retainer Cases: Regular, Glow, Sparkle, and Scented



Made from durable, high quality plastic. These retainer cases feature a new trim shape and an easy-to-use clasp that shuts securely. Choose from regular, glow, and sparkle colors or our latest addition scented cases available in bubblegum, orange, cherry, and lemon. 25 per pack.

COLOR/DESCRIPTION	REGULAR	SCENTED
Pink	640-110	640-126BG (Bubblegum)
Orange	640-111	640-126O (Orange)
Red	640-112	640-126C (Cherry)
Blue	640-113	—
Green	640-114	—
Yellow	640-115	640-126L (Lemon)
Clear	640-116	—
Black	640-117	—
Purple	640-118	—
Aqua	640-119	—
Assorted Colors (25)	640-100	—
Assorted Glow (25)	640-101	—
Assorted Sparkle (25)	640-102	—

## Flexi Napkin Clips



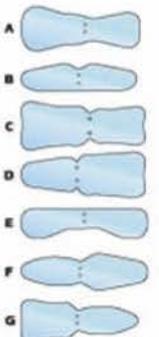
Designed to prevent catching of patient's hair. Flexible plastic cord is comfortable for your patient. Bright colored vinyl with stainless steel clips. 3 per pack.

- |                  |                      |
|------------------|----------------------|
| White • 650-010  | Orange • 650-012     |
| Red • 650-011    | Green • 650-013      |
| Yellow • 650-014 | Neon Pink • 650-017  |
| Blue • 650-015   | Neon Green • 650-018 |

## Photographic Mirrors

The surface is coated with nickel chromium on a copper base to provide clear reflected images with natural color. The alloy-hardened base will not shatter, chip, or break if dropped. Smooth radius surfaces. 1 each.

Adult Occlusal/Child Occlusal	631-090A
Buccal Lateral	631-090B
Adult Occlusal/Child Occlusal	631-090C
Adult Buccal/Adult Occlusal	631-090D
Lingual Upper/Lingual Lower	631-090E
Child Buccal/Adult Buccal	631-090F
Child Occlusal/Child Buccal	631-090G



# Auxiliaries (continued)

## Contouring Kit



Removes interproximal tooth mass to produce additional intra-arch space. May also be used for opening contact points, recontouring, or removing overhanging fillings.

Contouring Kit 1 handle and 10 medium, single-sided blades	• 106-201	
Contouring Frame	• 106-202	
Refill Blades (10 per pack): Fine	• 106-203	Medium • 106-204
Coarse	• 106-205	Double-Sided Medium • 106-207

## Separating Abrasive Strips



Separating abrasive strips are used to reduce and/or shape the interproximal area. Each strip is made of durable diamond abrasive which has been electronically bonded to surgical grade steel base so strips resist stretching, breaking and corrosion. Strips are .003" thick and come in fine, medium, or coarse in 4mm, 6mm, and 8mm. 10 per pack.

SIZE	FINE	MEDIUM	COARSE	DOUBLE-SIDED MEDIUM
4mm	106-220	106-221	106-222	106-221D
6mm	106-223	106-224	106-225	106-224D
8mm	—	106-227	106-228	106-227D

## Abrasive Strip Holder



Holds strips firmly so better control is maintained during teeth shaping. 1 holder.

• 106-215

## Accumark™ Disposable Markers and Dispenser



Time-saving disposable markers are sturdy wooden dowels with coated red wax tips. Colored tip allows clinician to accurately mark dry metal surfaces for superior visibility. Markers and chairside dispenser are sold separately.

100 Markers	• 610-080
Dispenser	• 610-082

## Arch Measurement Guide



Designed for accurate arch length measurement.

• 633-015

## Model Storage Boxes



Made of strong corrugated white cardboard. Choose from two different shapes- both are shipped flat and require assembly.

• 610-070 (100 per pack)  
Designed to hold 4 sets of models.  
10" L x 6" W x 2" H

• 610-071 (25 per pack; approx. 9 lbs.)  
Designed to hold either 2 or 3 sets of models  
(Choose preferred insert divider).  
11" L x 3½" W x 3" H

## IPR System



- Reduces gagging and will not cut lips or gums
- Does not create corners or subgingival ledges
- Reduces birding and prevents residual crowding
- Single-handed design offers optimal tactile control
- Grants easy access to tight anterior or posterior spaces
- Effective for anterior teeth and case refinement
- Central opening for better visual and access for tools
- Autoclavable and multi-usable. Pass these strips back and forth gently and buccolingually only



**IPR Starter**  
Yellow • 0.06mm  
• Single-Sided  
• Fine Diamond  
• Serrated

**IPR Double-Sided Opener**  
Red • 0.12mm  
• Double-Sided  
• Medium Diamond  
• Serrated

**IPR Widener**  
Green • 0.15mm  
• Double-Sided  
• Coarse Diamond  
• Serrated

**IPR Extra-Widener**  
Dark Blue • 0.20mm  
• Double-Sided  
• Coarse Diamond  
• No serration

Introductory Pack of 8 Strips	• 341-008
Introductory Pack of 16 Strips	• 341-016
Introductory Pack of 32 Strips	• 341-032

# Disposable



## Tongue Shield - Latex Free

Combination of two bite blocks and a vertical shield. The shield prevents the tongue from touching the lingual surface of the anterior teeth. Center hole allows for insertion of saliva ejector. Excellent during bonding procedures. Can be cold sterilized. Pink.

(3 per pack)

Adult/Teen	• 300-030
Child/Pedo	• 300-031



## Disposable Tongue Block

Available in two sizes to accommodate pedo or teen/adults. These strawberry scented tongue blocks keep the mouth open, with the jaw muscles in a relaxed state while keeping the tongue away from the bonding area. Designed with comfort and convenience in mind, these blocks are soft enough to trim with scissors if needed and feature openings to accommodate the Saliva Ejector (optional) and its companion Adapter Tube (optional). (See section below for optional part numbers)

Small (20 per pack)	• 300-032
Medium (20 per pack)	• 300-033



## Disposable Saliva Ejector and Adapter Tube Attachments for Disposable Tongue Block

The Saliva Ejector is a perforated tube that's used to suction saliva from the patient's mouth. Constructed of medical grade vinyl tubing, it features a soft metal insert that enables the practitioner to shape it to best fit the individual patient. The companion Adapter Tube links the Saliva Ejector to the practitioner's vacuum system by a quick connect tip which speeds device changes.

(3 per pack)

Saliva Ejector	• 300-034A
Adapter Tube	• 300-034B



## Triple Soft Earloop Masks

Fluid proof triple layer 99.89% filtration (50 per box)

White	• 660-721
Blue	• 660-722
Yellow	• 660-723
Green	• 660-724
Pink	• 660-725



## Disposable Eye Shields

Made of distortion-free, optical grade plastic, these clear eye shields provide maximum front and side protection. Lightweight frame and lens can be worn with face masks. Simply replace disposable lens when necessary.

<b>Disposable Eye Shield Starter Kit:</b>	
Clear Lens	• 600-250
Includes 10 assorted colored frames and 50 disposable clear lenses	
Tinted Lens	• 600-251
Includes 10 assorted colored frames and 50 disposable clear lenses	
<b>Individual Components (50 per pack):</b>	
Clear Lenses	• 600-260
Tinted Lens	• 600-261
<b>Colored Frames (10 per pack):</b>	
Neon Green	• 600-272
Neon Blue	• 600-273
Pink	• 600-274
Teal	• 600-275



## Gold Latex Powder Free Examination Gloves

Powder free minimizes the risk of developing latex protein or chemical residue related allergies. Eliminate powder related contamination in critical exams/room environments. Full textured surface provides superior grip in wet or dry applications. Smooth interior finish for easy donning and comfortable wear.

• 660-712



## Disposable Mouth Mirror

Reduce the risk of cross contamination. Use once and then throw away. High quality mirror features peel-off safety cover. 48 per pack.

• 600-200

# Disposable (continued)

## Orthodontic Relief Wax and Dispenser



For patient's emergency use when appliance is irritating soft tissue. Easily applied providing immediate temporary relief. Choose from regular or mint flavored. 50 cases per box.

Regular	(clear case unscented)	• 700-100
Mint Flavored	(clear case)	• 700-102
Relief Wax Dispenser Empty		• 301-029
6½" L x 4"W x 8¼" H (4 rows hold 20 cases each)		

## Lip Protectors



Clear, soft plastic protectors slip over brackets, archwires, and first molar buccal tubes. Easily placed and removed by the patient. Ideal for musicians, light contact sport players or patients who want relief from soft tissue pain. Can be trimmed if desired. Fits all popular bracket types. 5 sets per pack.

• 610-085

## Relief Wafers



To help reduce the pain experienced by patients after their orthodontic procedures, injection molded pads are bitten down on or chewed. 50 per box.

Unflavored (clear) • 301-040

## Disposable Toothbrush



Great quality disposable brushes that patients can use up to 3 months.

• 600-240

## ProSelect Brace Comfort



### Silicone relief material

Clear	(50 mini boxes)	• 700-098
Assorted Sparkle	(50 mini boxes)	• 700-099

## Utility Wax



Soft and pliable at room temperature, this wax is useful for building up, post-damming, and peripheral lining impression trays. 3/16" diameter strips x 11". 90 strips per box.

Regular (unflavored)	• 301-025
Mint Flavored	• 700-110

## ProSelect Flavor



For use with any alginate. Patients love the pleasant taste and aroma. Does not change mixing or setup of alginate. Simply add a few drops to alginate when mixing. 2 oz. bottle.

Bubblegum	• 600-001
Cherry	• 600-002
Mint	• 600-004
Pina Colada	• 600-006
Strawberry	• 600-005
Tru-Flavor Kit (6 bottles of assorted flavors)	• 600-000

## Ortho Box Kit



Each kit contains:  
V-Trim toothbrush, V-Trim travel toothbrush, dental mirror, wax, floss, floss threaders, interdental brush with cover, and sand fimer. Available in blue, pink, and green.

• 600-202

## Impression Trays

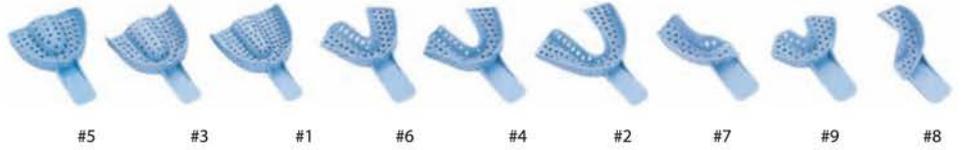


Features deep vertical walls for accurate definition of occlusion and soft tissue. Six sizes of uppers and lowers provide a better fit for both pedo and adult. Each size is color-coded and numbered for easy identification. Perforated trays provide mechanical lock of impression material. Disposable or reusable. Cold sterilization is recommended.

IMPRESSION TRAYS - 10 per pack			
SIZE NUMBER	COLOR CODING	UPPER	LOWER
1	Red	640-041	640-051
2	Orange	640-042	640-052
3	Blue	640-043	640-053
4	Green	640-044	640-054
5	Yellow	640-045	640-055
6	Purple	640-046	640-056

## Disposable Impression Trays

- #1 Large-Upper
- #2 Large-Lower
- #3 Medium-Upper
- #4 Medium-Lower
- #5 Small-Upper
- #6 Small-Lower
- #7 Upper-Right/Lower-Left
- #8 Upper-Left/Lower-Right
- #9 Anterior



12 pcs/bag  
Color: Royal Blue • 640-540

## Alginate



Color changing and dust free. Easy to use, thus eliminating the remake of appliances. Minimum body flow & short duration in the mouth offers maximum patient comfort.

(1 lb)

Mint • 320-107  
Cherry • 320-104

## Stone



An economical dental stone with consistent handling properties. Its smooth, creamy mix makes it ideal for a variety of lab procedures. (25lb/bag)

White • 322-101  
Yellow • 322-202

# Educational/Cephalometric

## Tracing Kit



All the materials needed to accurately diagnose and analyze cephalometric x-rays. Kit contains: ceph protractor, ceph triangle, tracing pencil, pencil sharpener, red, green, blue and white pencils, eraser, clear removable tape, and 100 sheets of tracing paper.

• 633-012

## Protractor and Template



Unique combination of protractor and tooth template for accurate cephalometric analysis.

• 633-013

## Flexible White Ruler



• 120-022

Convenient measuring guide for models to help determine the size/type of archwires or appliances that are needed. Features 0 to 150mm in 1mm increments, and flexibility allows you to arch the ruler as needed on model. 10 per pack.

## Tracing Light Box



Portable viewer can be used on table, desk, or hangs on wall. Metal clips keep film and tracing paper firmly in place. Stays cool during use. Excellent for x-ray viewing and tracing. Silver trimmed steel edge with all metal construction and heavy duty switch.

(View area: 11" x 10½". Overall size: 12" x 11½")

USA 110v A.C. • 300-013  
International 220v A.C. • 300-0131

## Tracing Paper



Smooth matte surface and near transparency gives extra sharp lines when tracing radio-graphs. Uniformly cut in 8" x 10" sheets.

Padded 100 sheets/pad • 630-020

# Typodonts

## Clear Articulated Typodont



Articulated study model features removable teeth and anatomical roots. Flexible transparent gingiva provides effective visual aid in patient education. Hard plastic base with 28 removable teeth. Direct bond brackets or bands may be bonded to teeth.

Clear Articulated Typodont • 631-000

## Bracketed Typodonts



Typodont- Metal Bracket	(7 x 7)	• 631-011
Typodont- Mini-Twin® Vertical Slot	(5 x 5)	• 631-013
Typodont- Aesthetic Bracket	(5 x 5)	• 631-014

## Pink Epoxy Typodont



Ideal occlusion. Excellent visual aid for patient consultation and assistant training. Features separate maxillary and mandibular arches with natural looking dentition and protective case. Arches are not mounted on hinge.

Pink Epoxy Typodont with case • 631-001  
Protective case only • 631-002

## Teeth Models



One set of anatomical teeth with roots (second molar to second molar).

• 631-020

MISCELLANEOUS



## Study Model with Case- Class I

Class I ideal occlusion model made out of high impact plastic. Excellent training model that can be bonded. 1st molars are contoured to accept 1st molar bands.

• 631-022

# Instruments

## Distal End Cutter, Regular

· 203-215



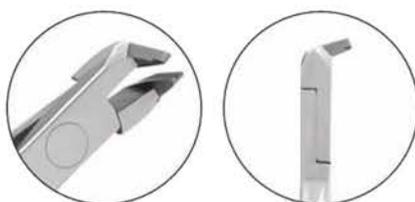
Standard size instrument is ideal for cutting wires within the patient's mouth. The safety hold feature allows the instrument to catch excess wires when cutting close to the buccal tube.

### MAXIMUM CUTTING CAPACITY:

Rect. wires up to: .022" x .028"  
 Round wires up to: .020"  
 Braided wires up to: .016"

## Distal End Cutter, Slim

· 203-205



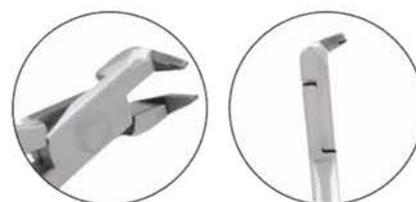
Slim design allows easy access to tight areas when cutting within the patient's mouth. The safety hold feature allows the instrument to catch excess wires when cutting close to the buccal tube.

### MAXIMUM CUTTING CAPACITY:

Rect. wires up to: .022" x .028"  
 Round wires up to: .020"  
 Braided wires up to: .016"

## Distal End Cutter, Slim Long Handle

· 203-215L



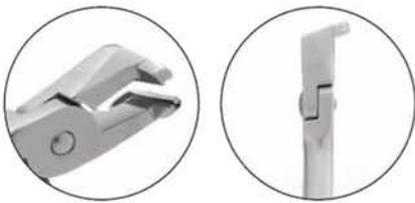
Long handle design allows easy access to tight areas and second molars with minimum force required. Safety hold feature allows the instrument to catch excess wires when cutting close to the buccal tube.

### MAXIMUM CUTTING CAPACITY:

Rect. wires up to: .022" x .028"  
 Round wires up to: .020"  
 Braided wires up to: .016"

### Distal End Flush Cutter, Ultimum

• 203-222U



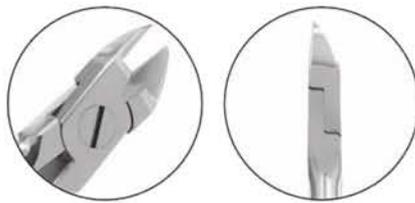
A unique standard size instrument designed specifically to cut wires flush to the buccal tube. The safety hold feature allows the instrument to catch and hold excess wires.

#### MAXIMUM CUTTING CAPACITY:

Rect. wires up to: .022" x .028"  
Round wires up to: .020"  
Braided wires up to: .021" x .025"

### Pin and Ligature Cutter, Regular

• 203-246



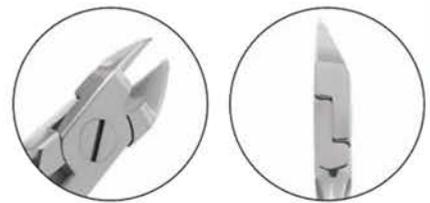
Standard size, super sharp cutter with Diamond-honed edge design is effective in cutting all soft wires, pins, and elastics.

#### MAXIMUM CUTTING CAPACITY:

Ligature wires up to .016"

### Pin and Ligature Cutter, Mini

• 203-146



Slim design with Diamond-honed edge is effective in cutting all soft wires, pins, and elastics in difficult areas.

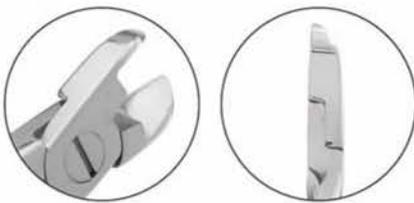
#### MAXIMUM CUTTING CAPACITY:

Ligature wires up to .016"

# Instruments (continued)

## Hard Wire Cutter

• 203-412



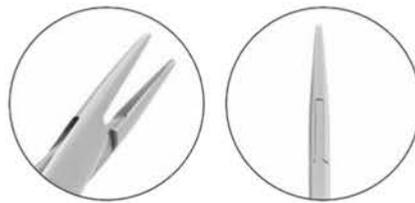
Standard size instrument with Diamond-honed edges to withstand cutting hard wires maintaining sharp alignment.

### MAXIMUM CUTTING CAPACITY:

Rect. wires up to: .020"  
Round wires up to: .020"

## Mathieu Plier

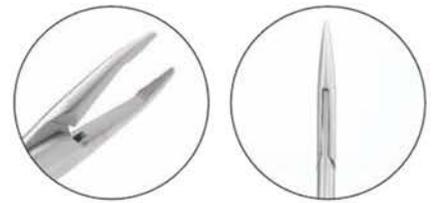
• 203-101R



Standard size instrument with full serration and hand-grip for elastic modules and/or ligature ties. Positive locking ratchet permits instant opening and closing.

## Ligature Mathieu Plier

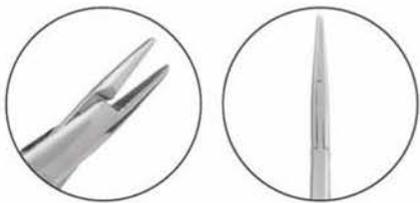
• 203-101L



Standard size instrument with serrated tip with hand-grip for elastic modules and/or ligature ties. Positive locking ratchet permits instant opening and closing.

**Mathieu Plier,  
Narrow-Premium**

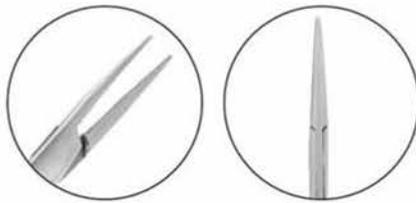
· 203-102P



Narrow tip with full serration with hand-grip for elastic modules and/or ligature ties. Positive locking ratchet permits instant opening and closing. Complete with a polish finish.

**Mathieu Plier,  
Ultra Thin- Premium**

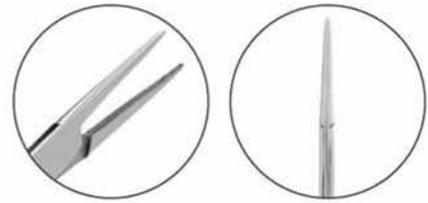
· 203-102T



Standard size instrument with serrated tip with hand-grip for elastic modules and/or ligature ties. Positive locking ratchet permits instant opening and closing.

**Mosquito Forceps,  
Fine Tip**

· 203-128

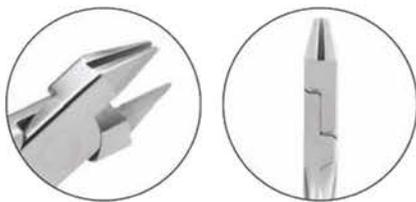


Unique thinner tip with full serration with scissor-like grip for elastic modules and/or ligature ties. Positive locking at the joint which permits instant opening and closing. Complete with a polish finish.

# Instruments (continued)

## Three Jaw Plier, Regular

• 203-142R



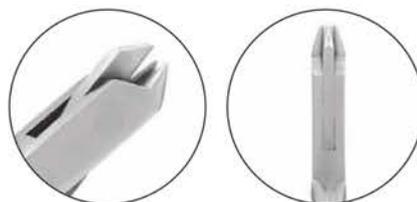
Standard size instrument with precision tips for accurate wire adjustments, clasps, and contouring. Also excellent for bending of orthopedic appliances.

### MAXIMUM BENDING CAPACITY:

Ligature wires up to .028"

## Three Jaw Plier, Heavy

• 203-142



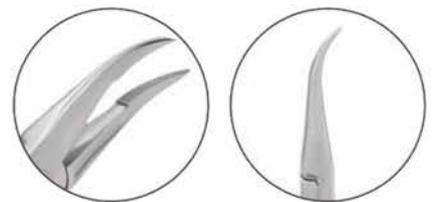
Standard size instrument with precision tips for accurate wire adjustments, clasps, and contouring. Also excellent for bending of orthopedic appliances.

### MAXIMUM BENDING CAPACITY:

Ligature wires up to .036"

## Weingart Utility Plier

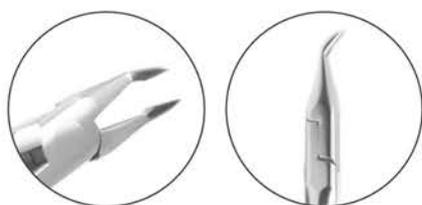
• 203-303



Standard size instrument with serrated tip to firmly hold wires. Tapered beaks fit easily between brackets and hard to reach areas.

**Weingart Utility Plier,  
Angled**

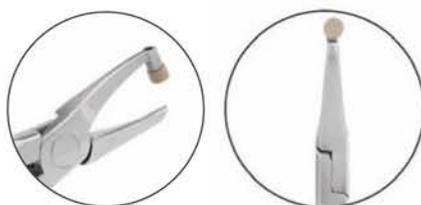
• 203-303P



Standard size instrument with serrated tip to firmly hold wires at a convenient angle. Tapered beaks fit easily between brackets and hard to reach areas.

**Posterior Band Removers,  
Regular**

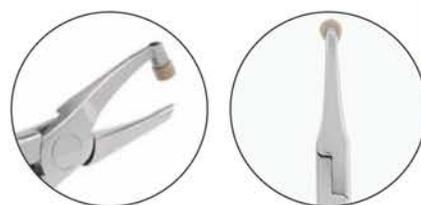
• 203-105R



Standard size instrument with short mouth that safely and quickly removes posterior bands while pads rest on occlusal surface and tip catches edge of band.

**Posterior Band Removers,  
Long**

• 203-105

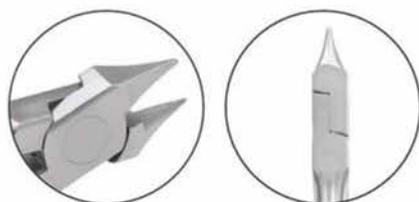


Standard size instrument with slightly longer mouth that safely and quickly removes posterior bands while pads rest on occlusal surface and tip catches edge of band.

# Instruments (continued)

## Bird Beak Plier

· 203-426



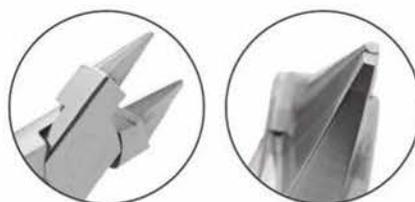
Standard size versatile pliers with round and pyramid beaks to prevent wire scoring and used to form springs.

MAXIMUM BENDING CAPACITY:

Wires up to .030"

## Wire Bending Plier

· 203-425



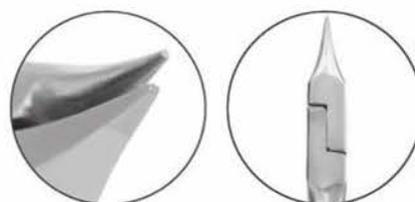
Standard size instrument designed for working on small wires and forming wire springs. Tapered beaks make it easy to bend small diameter loops.

MAXIMUM BENDING CAPACITY:

Ligature wires up to .028"

## Light Wire Plier

· 203-121



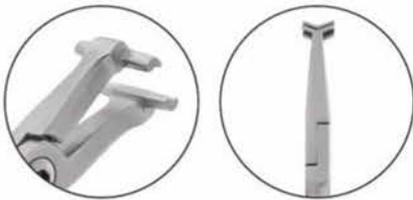
Standard size instrument with fine tip, round and square beaks that features a precise .010" groove. Allows consistent forming of archwire loops and bends.

MAXIMUM BENDING CAPACITY:

Ligature wires up to .020"

### Cinch Back Plier

· 203-500



Instrument used for cinching back and/or forming round or rectangular wires in the posterior region.

### Hollow Chop Plier

· 203-401



Standard size instrument for contouring and forming of archwires without use of scoring and/or torque.

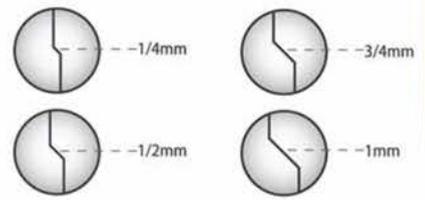
#### MAXIMUM BENDING CAPACITY:

Wires up to .022"

### Finishing Plier

(1mm, 3/4mm, 1/2mm, 1/4mm)

· 203-501~4

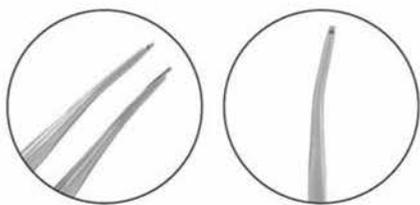


Instrument used for stepping the wire down or up (in or out). Available in 4 different measurements.

# Instruments (continued)

## Elastic Separating Plier

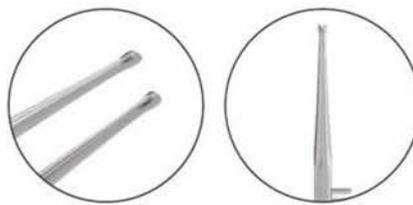
• 203-407



Instrument has angulated beaks for accessibility, ease, and accuracy. The grooved beaks assure positive hold for positioning elastics.

## Ligature Tying Plier

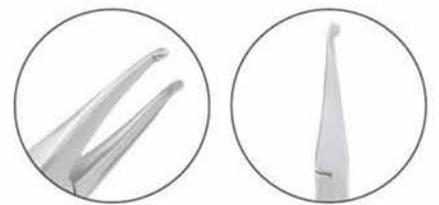
• 203-402



Precisely chambered slot easily accepts ligature wire without wrapping or winding. Allows soft, effortless one-hand release that is easy to hold and use.

## How Plier-Band Seating Plier

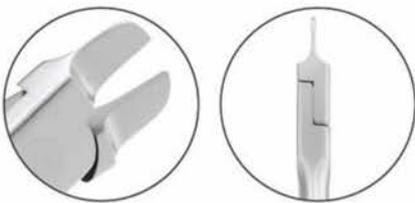
• 203-106



Instrument designed to firmly grip the tie-wing from attachment of the band preventing slippage when in use.

### Tweed Arch Bending Plier

· 203-141

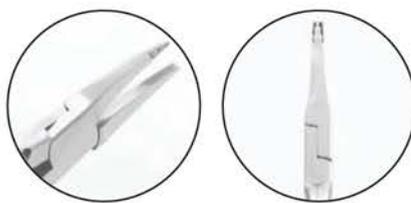


Standard size instrument with beaks of .060" wide that are parallel at .020" opening.

MAXIMUM BENDING CAPACITY:  
Rect. wires up to .022" x .028"

### Tweed Arch (Loop) Forming Plier

· 203-140

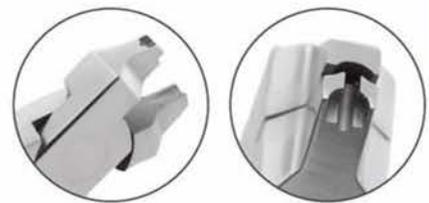


Instrument used to create closing loops in square or rectangular wire. The tips are designed to provide a firm grip of the wire while bending.

MAXIMUM BENDING CAPACITY:  
Wires up to .022"

### Hook Crimping Plier-Straight

· 203-434

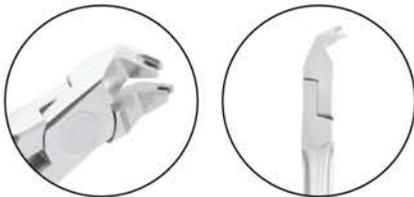


Standard size instrument with straight-head design for placement and securing of crimpable archwire hooks and power hooks.

# Instruments (continued)

## Hook Crimping Plier

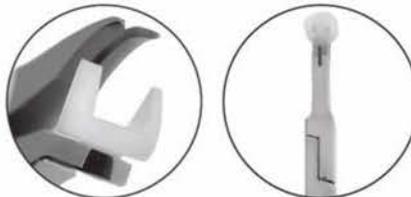
• 203-435



Standard size instrument with angled beak that allows precise placement of hook on archwire.

## DBS Bracket Removing Plier, Metal

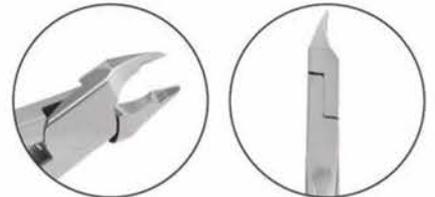
• 203-314



Standard size instrument that safely removes all direct bond brackets and attachments. Nylon tip rests on incisal/occlusal edges of teeth, while metal edge fits under bracket flange. Also removes remaining adhesives.

## Bracket Removing Plier, Ceramic

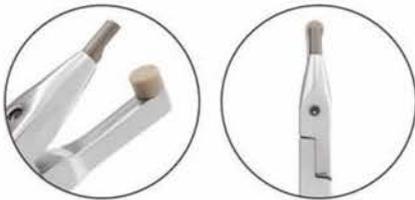
• 203-158



Standard straight head provides easy access while debonding various types of brackets. The tips are designed to simply loosen the edge of the bracket base from the surface of the tooth and safely removes the brackets.

**Bond (Adhesive)  
Removing Plier**

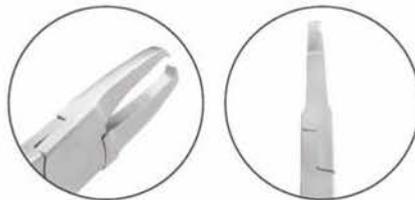
• 203-408



Standard size instrument designed with tip that allows access to remove adhesive in practically all areas of the mouth. Ideally designed with patient comfort in mind.

**Direct Bond Attachment  
Remover Plier, Straight**

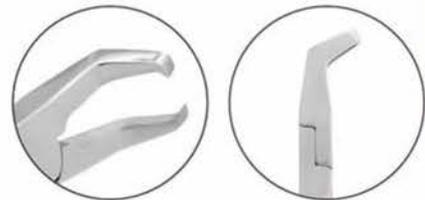
• 203-313



Instrument designed to quickly and safely remove direct bond brackets. Allows access to anterior and posterior attachments.

**Direct Bond Attachment  
Remover Plier, Angled**

• 203-312



Instrument designed to quickly and safely remove direct bond brackets. The 60° angle allows access to anterior and posterior attachments.

# Instruments (continued)

**Heavy Duty  
Band Pusher**

• 200-420



**Molar Cap Remover  
with 3 Blades**

• 200-439



**Buccal Tube  
Bonder**

• 200-324



**Elastic Remover  
Double-Ended**

• 200-109



**Deluxe  
Gram Gauge  
(600 grams)**

• 200-340



**Double Ended  
Cement Spatula**

• 200-204



**Polar Bear Ice  
Instrument**

• 200-330



**Shorty Twist Holder**

• 200-428



**Double Ended  
Ligature Director**

• 201-501- 1/4" Handle  
• 201-501W- 3/8" Handle



INSTRUMENTS

### Bracket Height Gauge



Similar to the Boone Gauge but in a straight, double-ended design. Accurately measures height of bracket on tooth from the incisal edge. Gauge has 3.5mm, 4.0mm, 4.5mm, and 5.0mm.

.018 Slots · 200-218  
.022 Slots · 200-222

### Boone Bracket Position Guide



This unique gauge is placed on the incisal/occlusal surface of the tooth to simplify bracket positioning. Measures 3.5mm, 4.0mm, 4.5mm, and 5.0mm.

· 200-427

### Spatula Single End

· 200-140



### Mouth Mirror with Scale

· 200-200



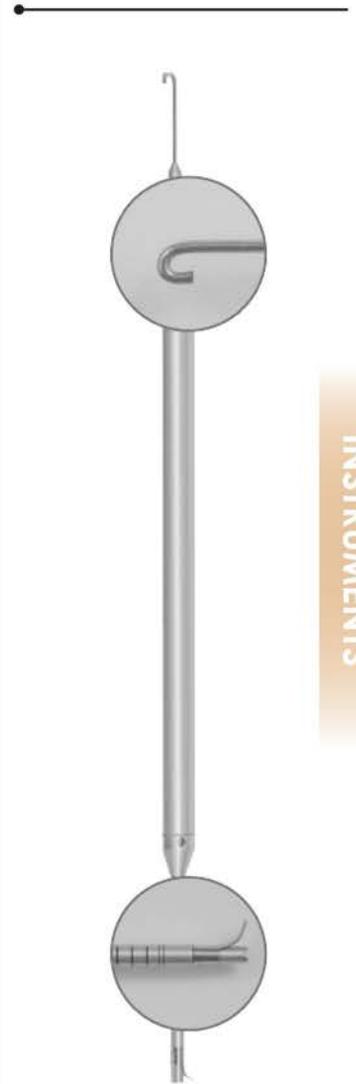
### Band Pusher/ Scaler 1/4"

· 201-500



### Dontrix Gauge

· 200-424



INSTRUMENTS

# Plier Racks

ALL RACKS ARE SOLD EMPTY

Specially designed to hold pliers. Most of these racks also feature storage space for auxiliary wires, scalers, and miscellaneous supplies. Extra-durable and washable.

## Small Plier Rack

Small Plier Rack #8  
Holds 8 pliers. White, pebble-grained plastic. 7½" L x 8¼" W x 2½" H

• 200-213



## Upright Plier Stands (White)

Hold up to 10 pliers in a minimum amount of space. Easy cleaning promotes a sterile environment. 9" L x 6¼" W x 5" H

• 200-241



## Large Plier Rack

Large Plier Rack #15  
Holds 15 pliers. White, pebble-grained plastic. 12" L x 8¼" W x 2½" H

• 200-203



## Clear Acrylic Stands

Small Acrylic. Made of clear acrylic with a finished edge that appears to glow with a green light. This smaller sized stand will hold up to 12 pliers. Perfect for chair-side use. 6" L x 4" W x 6" H

• 200-244



## Upright Plier Rack

Upright Plier Rack with Cover  
Holds 15 pliers. White, horizontal tray at front. 7½" L x 6" W x 6¾" H

• 200-243



## Covered Plier Rack

Portable compact size has space for 12 pliers and a front well for assorted double-ended instruments. Clear hinged lid keeps pliers sanitary and dust free. 12" L x 8¼" W x 2½" H

• 200-242



## Trim-Line Upright Plier Rack with Cover

Holds 12 pliers. Clear acrylic. The Trim-Line Upright Plier Rack is a more compact version of our popular Upright Plier Rack. The Trim-Line Rack is 20% smaller in width and over 25% smaller in depth than the regular Upright Plier Rack yet will comfortably hold 12 pliers. The hinged clear acrylic cover protects the instruments while allowing easy access. 6" L x 4" W x 7" H

• 200-243TL



## Plier Carousel

Designed for easy reach and visibility. The inner clear tube holds additional straight instruments. Clear plastic. 5" Diameter Footing, 1½" Inner Ring, 4" Diameter Outer Ring, 5½" High.

• 200-240



## Stainless Steel Plier Rack

A very stylish stainless steel plier rack with a matte finish. Holds up to 15 pliers/cutters. 7½" L x 3½" W x 7¾" H

• 200-214: Small  
• 200-214L: Large



# Hand Tools

## Thickness Gauges

Millimeter gauge with capacity of 100mm and vernier reading to 0.1mm cut out jaws for measuring different shapes. With locking lever.

• 200-418



## Heavy Duty Wire Cutter

Maximum cutting capacity: Hard wire & soft wire up to 1.5mm

• 203-412W



## Degree Gauges

Lightweight, sensitive gauges made of polished steel with easy-to-read indexes.

• 200-710



## Wood Handle Spatulas

Wood spatula stainless steel 7 5/8"

• 200-211



## Stainless Double-Ended Spatulas

Overall length approximately 6 3/4"

• 200-141



## No.10 Gritman Plaster Knife

Overall length 7" (178mm), with 2 1/2" (63mm) blade and blunt pry on opposite end.

• 205-190



## Saw Frames with End Screws

Made in Germany. For use with piercing, flat and spiral sawblades. Serrated clams hold blades firmly. Strongly constructed with flat steel frames, plastic handles and thumb-screw locking devices. Equipped with tension screw for drawing blades taut.

• 209-750



## Heavy Duty Bench Knife

Blade is firmly set in hardwood handle.

• 205-105



# Acrylics

## Ortho-Cryl® Yellow Colored Orthodontic Appliance

### Long Processing Times- stress free

- Consistent top quality
- Reliable results
- Many different colors and effects
- Endless creativity
- Scientifically tested
- Safety for user and patient

250 mL

• 690-623



## Red

### Long Processing Times- stress free

- Consistent top quality
- Reliable results
- Many different colors and effects
- Endless creativity
- Scientifically tested
- Safety for user and patient

250 mL

• 690-620



## Eggplant

### Long Processing Times- stress free

- Consistent top quality
- Reliable results
- Many different colors and effects
- Endless creativity
- Scientifically tested
- Safety for user and patient

250 mL

• 690-624



## Green

### Long Processing Times- stress free

- Consistent top quality
- Reliable results
- Many different colors and effects
- Endless creativity
- Scientifically tested
- Safety for user and patient

250 mL

• 690-621



## Blue

### Long Processing Times- stress free

- Consistent top quality
- Reliable results
- Many different colors and effects
- Endless creativity
- Scientifically tested
- Safety for user and patient

250 mL

• 690-622



LAB PRODUCTS

## Acrylic Resin Teeth

### Superior Anteriors

The highest quality material and finishing, as well as great resistance. Crosslinked, natural fluorescence, computerized pigment, long durability.

• 673-591



## Acrylic Resin Teeth for Infantile

### Upper Anteriors

The highest quality material and finishing, as well as great resistance. Crosslinked, natural fluorescence, computerized pigment, long durability.

Shade 59 • 670-323  
Shade 61 • 670-324



# Abrasives, Buffs & Polishing

## Standard Mandrel

Used for discs and heatless wheels and other.



• 290-010

## High Speed Separating Disc

Resin-bonded aluminum oxide is fast, cool, odor-free and long lasting. Cuts all metals smoothly and rapidly.

7/8" Diameter  
(1 box = 100)

• 290-310



## Knife Edge Wheel

"High-glaze" - for polishing of Non-Precious, Semi-Precious and Chrome Cobalt Alloys. 21,000 RPM

7/8" Diameter / 22.2mm  
(1 box = 100)

• 290-350



## Polycril

An advanced alternative for polishing acrylics and resin material. Works faster than pumice, producing a high quality finish (polish) due to its unique and uniform abrasive properties. Polycril is a unique, odorless material that contains a germicide antiseptic that attacks bacterium. Easy to use.



(25 lb)

(1 lb)

1 lb • 695-001  
25 lb • 695-025

## White Lathe Wheels

Designed for fast material removal. Supplied with 1/4" (6mm) leaded arbor hole. Aluminum oxide.

3" x 3/8"

• 290-410



## Separating Film

Acrylic and gypsum. Ready to use.

(1 gallon)

• 685-100



## Combed Finex Muslin Buffs with Plastic Centers

Made of 100% cotton. Patented process to remove impurities and makes the cloth finer and nearly lint-free. With ordinary abrasives elements removed, Super Buffs lasts up to 50% longer with minimal fraying and better compound retention. Achieve a smooth, uniform finish with superior coloring quality every time.

4" x 50 ply  
Sold individually.

• 290-455



## Combed Finex Muslin Buffs with Plastic Centers

Unstitched and used to produce a high quality finish.

4" x 36 ply  
Sold individually.

• 290-460



## Fabulustre

Provides a high-luster finish on all types of precious and decorative metals. Special formulation removes light scratches and produces a fast, mirror-bright, final finish without discoloration. Greaseless, dry but not dusty, which means fast and easy clean-up with little or no residue.

(1 lb)

• 283-310



LAB PRODUCTS

# Expansion Screws

## Palex Maxi

Special Expansion Screw with straight retention legs for mid-palatal suture separations by means of fixed appliances without the need for acrylic plates.  
 (Min. Order: 10)  
 14.2mm L x 10.8mm W x 3.97mm D  
 Sizes: 7 / 10 / 12mm



7mm • 510-824A  
 10mm • 510-824B  
 12mm • 510-824C

## Variety SP Expansion Screw

This is versatile, multi-functional expansion screw with straight, retention legs. This screw's compact, mini design offers optimum patient comfort. Engineered with a maximum expansion of 12mm and a safety system that prevents unwanted back up, this versatile screw assures excellent results.  
 (Min. Order: 10)  
 14.2mm L x 9.6mm W x 3.85mm D  
 Size: 12mm



• 510-809

## Expansion Mini Screw

For transversal expansion and distalization in the lower arch or for especially narrow upper arches. White plastic directional arrows. Holes in body of screws for better retention in acrylic. Built-in stops prevent screws from coming apart.  
 Max. Expansion: 6.5mm



• 510-010

## Sectional Screw

Angulated guide pins facing down. Neon yellow plastic directional arrows. Guide pins angulated for better placement in acrylic. Holes in body of screws for better retention in acrylic. Built-in stops prevent screws from coming apart.  
 Max. Expansion: 6mm  
 14.2mm L x 9.6mm W x 3.85mm D



• 510-110

## Expansion Screw Medium

For transversal expansion in the upper arch. Neon yellow plastic directional arrows. Holes in body of screws for better retention in acrylic. Built-in stops prevent screws from coming apart.  
 Max. Expansion: 7.5mm



• 510-020

## Three Dimensional Screw

Combination transversal and protrusion screw for Y-plates. Strengthened guides. Arrow indicating the opening direction.

Max. Expansion: 4mm per segment



• 510-200A

## Expansion Screw Maxi

For transversal expansion and distalization in the upper arch. Neon yellow plastic directional arrows. Holes in body of screws for better retention in acrylic. Built-in stops prevent screws from coming apart.

Max. Expansion: 7.5mm



• 510-030

## Fan-type Expansion Screw

For sectional expansion of maxillary anteriors. Plate sections are opened fanwise. Arrow indicating the opening direction.

Max. Expansion: 7mm



• 510-300

## Safety Key

For Palex expansion screws.  
 10/pk

• 510-990



# Clasps and Tubes

## Adams Clasps

Nickel free.  
Trace Nickel elements of <0.2% are due to the process of manufacturing.

1 bag= 100

7mm	• 032-404
8mm	• 032-405
9mm	• 032-406
10mm	• 032-407
11mm	• 032-408
12mm	• 032-409



## Herbst® TS-Bite Jumping Hinges (incl. spacer rings)

### Herbst® Telescopic System

Laser Welding Pivots & Screws  
No emergency appointments due to separation of rod or sleeve. All Herbst® appliances will be laser welded on pivots and screws.

Compact Telescoping Design  
Allows full range of lateral movement. Improved comfortability.

Metal Injection Molding (MIM®) Construction  
Strong robust design.



18mm	• 520-900
20mm	• 520-902
22mm	• 520-904

## Ball Clasps

1 bag= 100

.28mm	• 032-207
.30mm	• 032-208



## Mesh Bases

For the direct bonding techniques.  
1 bag = 10

• 430-991



## Universal Bending Wire Key

Easy bending of the retention legs of all Pallex, Variety, and Titanium Pallex screws without the use of any additional pliers.

• 150-010



## Lingual Buttons

For the direct bonding techniques.  
With mesh base for bonding and flat base. For anteriors.  
1 bag = 10

• 971-120



## Stainless Steel Tubes

Strong, stainless steel, burr-free tubing. Easy to solder or weld. (.045 / .5mm)  
1 pk = 10

• 200-480



## Activator Tubes

Sturdy stainless steel construction. Designed to be built directly into an activator appliance. These tubes can be built directly into an activator to hold a face bow.  
1 pack = 10

• 200-510



## Arrow Clasp

Arrowhead Clasps  
Superior retention for wide embrasures.  
1 bag = 100

032-310



## Lingual Bars

Anatomically shaped e.g. for occlusion plates.  
(6 / 7 / 8cm)  
1 box = 20

6cm	• 031-063
7cm	• 031-073
8cm	• 031-083



# Burs

## Carbide Bur

- Fast material removal
- Smooth cutting action
- Reduced vibration
- Minimum heat build-up
- Long tool life
- Minimal clogging
- Maximum tool control



• 290-208



• 290-209



• 290-623

## Oval Carbide Bur (Large)



For use of lathe. Fits Jacobs or Wells Quick-Chuck. Used for trimming all types of bulk acrylic.

1/2" Head Dim./ 3/8" Head Length / 2 3/8" Oval Length

• 290-215

## Oval Carbide Bur (Medium)



For use of lathe. Fits Jacobs or Wells Quick-Chuck. Used for trimming all types of bulk acrylic.

3/8" Head Dim./ 1/32" Head Length / 2 1/32" Oval Length

• 290-213

## Tree Radius Carbide Bur (Medium)



For use of lathe. Fits Jacobs or Wells Quick-Chuck. Used for trimming all types of bulk acrylic.

3/8" Head Dim./ 3/4" Head Length / 2 1/2" Oval Length

• 290-625

## Tree Radius Carbide Bur (Large)



For use of lathe. Fits Jacobs or Wells Quick-Chuck. Used for trimming all types of bulk acrylic.

3/8" Head Dim./ 1" Head Length / 2 3/4" Oval Length

• 290-263

## Tapered Chuck

For muslin and felt buffs.



• 290-816

\*MADE IN U.S.A

## Spiral Tapered Chuck

Designed with 1/4" (0.6cm) shank for use in Jacobs type chucks. This tapered chuck is built to accept small buffs, brushes and lead-centered wheels. Made of alloy steel and plated.

Specify 13-1L (Left) or 13-1R (Right) when ordering.



Shipping Weight: 4 oz. (107 g)  
Unit Dimensions: 2 3/8" L x 1/2" Diam (7cm x 1.3cm)  
with a 1/4" diameter shank

• 290-230

## Tapered Steel Chuck

The No. 7 tapered chuck is designed specifically for use with buffing wheels, brushes, and lead centered wheels. Made of precision-manufactured alloy steel, this chuck is built for placement onto lathes and polishing motors containing standard dental tapered shafts.

Specify 7L (Left) or 7R (Right) when ordering.



Shipping Weight: 6 oz. (113 g)  
Unit Dimensions: 3/8" L x 7 3/8" Diam (2cm x 9cm)

• 290-833

## Vertical Model Fixator

Designed for precise model positioning and holding. Model can be removed from the upper and lower members and replaced into the original position. Good for articulating work models for all types of functional appliances.

• 250-700



## Articulator- Low Arch

Made of aluminum.  
Permits lateral movements.

• 250-810



# Equipments

## Wax Carving Pencil

Device for plastic dental surgery of wax model and electric carving. Compact size, simple design, strengthened function, durability. Accurate temperature gauge, memory function memorizes prior working temperature even after turning off and on the power. Error protection function protects the product by cutting the circuit automatically by the sensor when an outer defect is made by mistake of user.



Cradle for Holder: There are two types; magnetic cradle on the surface of the products and external cradle.

Chest: There are translucent chests at the rear of product to preserve tips to protect them from loss or damage. LED lamp with high-brightness gives visual pleasure while you work.

• 270-140

## Pressure Pot

Thermostatic control heater with 8 quart capacity, durable aluminum and stainless steel construction.

• 260-701G



## Power Vibrator

Designed for easy pouring of plaster. Prevents blisters during casting. Strong vibration with large vibrator and wide vibration table enables simultaneous work for many rings. Prevents blisters by minute vibration. Has ergonomic design for convenience of users and has simple exterior. You can select long wave or short wave. Protects main body from flowing any dirt because the control panel is located inside of the sheet. Convenient to wash the sheet by easy detachability of rubber sheet off vibration table.



• 260-500

## Wax Pot

Accurate temperature adjustment and quick thermal conductivity. Usable for long time without any change in physical wax. Excellent corrosion resistance and abrasion resistance for pot. Easy cleaning of the pot made by special material. Celsius and Fahrenheit display function. Different temperature adjustment of each pot for efficient work. Big size for work convenience.

• 260-031



## Strong Set

Under-sized compact design, 0 - 3,000RPM, less-vibration standard carbon brush motor non-stage speed system, Right/Left turning ability off, On/Off switch (reduced heat and vibration problem for a long-time works thanks to the stable circuit layout). Stable circuit layout reduces heat and vibration problems.

• 260-150



LAB PRODUCTS



• 270-510

# Equipments (continued)

## 16 Chuck Changer

The 16 Chuck Changer is factory installed to the right side of a 26A Low Base, Red Wing Lathe. This combination provides the technician with the ultimate in chuck changing efficiency at both low and high lathe speeds. The movement of the activating handle allows the technician to change from ¼" (0.6cm) to ½" (0.2cm) burs, mandrels, and chuck accessories without stopping the lathe. This combination will pay for itself in time saved, while providing excellent concentricity for accurate, professional results in finishing appliances. All chuck and maintenance accessories included.

Shipping Weight: 45 lbs (20.4 kg)  
 Unit Dimensions: 18 ¾" L x 8" W x 8 ½" H (48cm x 20cm x 21cm)  
 16B-1 No.16 Chuck Changer mounted on 26 high base lathe (16" shaft height)

• 270-016



## 60U-D Dust Collector



TMotor: 1/2 HP 115/220 Volts  
 Ball Bearing  
 Capacitor

Type: 60 Hz, 1 Phase, 3450 RPM, 50 Hz  
 Available at additional cost  
 Specify voltage when ordering

Suction Inlets: Two 3" flanges mounted on top rear of unit.  
 C.F.M.: 400 C.F.M. thru inlets provided

Filter Area: 15 sq. ft., 14 shakable cloth filter bags

Cleaning: External metal foot shaker for filter bag "shakedown"

Silencer: Metal cased foamed silencer available (optional)

Dimensions: 15" W x 14 ¾" D x 21" H

• 270-360

## Resin Splash Hood



Resin Splash Hood (with light) with shield. Specify Right light (86RHL-R) or Left light (86RHL-L) when ordering.

Shipping Weight: 5 lbs (2.3 kg)  
 Unit Dimensions: 6" W x 10" D x 12" H (15cm x 25cm x 30cm)

• 270-486

## 62 Super Sucker



Designed to provide maximum suction capacity, 225 cfm (6.36M3/min) suction capacity through two top inlets. Dust and grinding are entrapped in a removable, disposable paper filter. A secondary polyester filter entraps finer dusts. A third filter made of activated charcoal and removes up to 80% of acrylic monomer odors.

Shipping Weight: 42 lbs (19.1 kg)  
 Unit Dimensions: 14 ¾" L x 8 ½" D x 17 ¾" H (37cm x 22cm x 44cm)

• 270-362

## Sta-Kleen Adjustable Hood Shield



The 86D Splash Hood is a standard 83WL splash hood supplied with an 86B protective clear acrylic shield. This hood may be fitted with either flange or cut-out with flange, for connection to a dust collector. Specify light on Right (R) or Left (L).

Shipping Weight: 4 lbs (1.5 kg)  
 Unit Dimensions: 6" W x 10" D x 12" H (15cm x 25cm x 30cm)

• 270-586

## Handler 101 Dust Collector

This unit contains 68 sq. ft. (6.3m<sup>2</sup>) of cloth filter area. 24 shakable filter bags effectively entrap 0.5 micron particles and larger in the 800 CFM (cubic ft/min) (378m<sup>3</sup>/min) air flow. Special sized inlets may be specified. Standard voltage is 115 volts/60Hz. Units also available in 230 Volts/60Hz single phase and 220/440 Volts three phase. Please specify voltage when ordering. The 101 is shipped complete with a switch and box type silencer. Finished in a durable, baked finish. A stack silencer is available at an additional cost. The 101 is provided with four 3" (7.6cm) inlets.

Suction: 800 CFM (cubic feet/min) (378m<sup>3</sup>/min)

Filter Area: 68 sq. ft. (6.3m<sup>2</sup>) thru 24 filter bags

Cleaning: External foot shaker, removable cabinet tray

Shipping Weight: 270 lbs (122.5kg)

Dimensions: 26" W x 41" D x 24" H (66cm x 104cm x 61cm)

• 270-377



## Vanguard Gold 2X with Accumulator/Prefilter

Vaniman Vanguard Gold 2X Dust Collector has dual stations for heavy duty use. The Vanguard Gold 2X Dust Collector has a pre-filtered accumulator and has 4 speeds. The Vanguard Gold 2X Dust Collector includes 1 hose at 2 1/2" or 2 hoses at 1 1/2" and has a maximum hose length of 8 feet.

Shipping Weight: 4 lbs (1.5 kg)

Unit Dimensions: 6" W x 10" D x 12" H (15cm x 25cm x 30cm)

• 270-321



## Heavy Duty PRO-Trimmer

Cuts up to 30% faster than standard machines. Coarse diamond cutting wheel and a carborundum finishing wheel. Wheel life lasts 20 times longer. It also features an electric water flow control.

- 21 1/2" W x 18" D x 15 1/2" H (54.6cm x 45.7cm x 39.4cm)
- Wheel size: 12" x 1" x 3/16" (30.5cm x 2.5cm x .19cm)
- Weight: 73lbs
- 3/4HP Motor/1725RPM thermally protected
- Includes trimming table, squaring and angulation tools, built in water spray system, 3" drain hose

VOLTAGE	ITEM NO.
110 V	• 273-110
220 V	• 270-220



## PRO Vacuum Spatulator with Table Stand

Smooth and dense plaster- with less mixing and clean up time! Every time you use it, Masel's vacuum spatulator delivers the perfect consistency. Model dries quickly, trims easily, and are perfect anatomical replicas. Supplied with two 800cc mixing bowls, and a complete paddle assembly. Includes wall mount and table stand.

- Includes table stand and two mixing bowls

VOLTAGE	ITEM NO.
110 V	• 272-110
220 V	• 272-220



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# Policies and Warranties

## Conditions of Sale

Products may be returned for credit within 30 days of shipping only under the following conditions:

1. Product must be new, sellable condition in the original packaging.
2. **Custom products such as band and bonding bases with welded or brazed combinations, Doctor's specials, and refrigerated products may not be returned for exchange or credit at any time.**
3. Product will be accepted only from the original purchaser and only when delivered to our Whittier, California U.S.A. Headquarters.
4. Returned merchandise must be shipped pre-paid and insured for the full value. Never return merchandise in an envelope.
5. Returned merchandise must be accompanied with an RMA number and note explaining the reason for the return.
6. Products returned for credit will be subject to a minimum 15% handling restocking charge. Items returned after 30 days of shipping will be accepted at the discretion of US Orthodontic Products.
7. US Ortho Products representatives are not authorized to approve or pick up returned merchandise. Please contact US Ortho Products to get a Return Material Authorization (RMA) Number by calling customer service at 1-866-928-4404. Once you have your RMA number, please return your product with your RMA number referenced on the packaging to:

US Ortho Products  
8100 Broadway Ave.  
Whittier, CA 90606

## Shipping and Handling

All prices are F.O.B. shipping point. Shipping, handling charges, and sales tax (if applicable) will be added to invoices.

## Order Terms and Conditions

Orders are accepted on basis of payment within 15 days after shipment from factory. A packing slip is enclosed with each shipment and a separate invoice is sent by First Class Mail. Any outstanding balance not paid within 30 days will be subject to a finance charge of 1.5% per month, an amount equal to 18% per year.

Payments may be made by Check, VISA or Master Card. All payments are made to our U.S.A. Headquarters and must be in U.S. funds.

## Product Improvements, Price and Technique Changes

Our commitment is to continually advance and improve our products. Therefore, we reserve the right to upgrade the design and quality of the products we produce and sell. We also reserve the right to change prices and/or design, or discontinue products without prior notice.

## Warranties

US Ortho Products sole obligation and the customer's sole remedy in the event of any claimed defect shall be limited to replacement of merchandise, or at US Ortho Product's option, refund of the purchase price. ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF USE ARE DISCLAIMED. US Ortho Products must be contacted for a Return Material Authorization (RMA) and a written notice of claimed defect must be received by US Ortho Products at: 8100 Broadway Ave. Whittier, CA 90606 within a reasonable time after discovery not to exceed 60 days from the date of delivery.

## Band and Brackets

All bands and brackets are warranted for Single Use Only. We cannot warranty, under any circumstances, bands or brackets which have been recycled.

## USOP Plier Line Warranty

US Ortho Products guarantees that these instruments will be free from defects in material and workmanship for a period of (1) one year from the date of purchase. Failure to follow recommended use, maintenance and sterilization procedures will void warranty claims. If defect, and not misused or tampered with, return the instrument for repair, or replacement at no cost. Please note that proof of recommended maintenance may be required such as receipts for re-sharpening and reconditioning.

## USOP Maintenance, Sterilization and NON-Warranty Repairs

**MAINTENANCE:** Recommended maintenance includes cutter tip/blade re-sharpening and reconditioning (cleaning, polishing, adjusting screw as necessary) every six months. For these services, please contact US Ortho Products to receive a Repair Service Form by calling customer service at 1-866-928-4404. Once you have completed the form, please return your pliers with your RMA number referenced on the packaging to:  
US Ortho Products at: 8100 Broadway Ave. Whittier, CA 90606. \$24.99 charge will apply for sharpening and tip replacement on all cutters. Please note that a completed repair service form is mandatory and no exceptions are allowed. Please allow up to 12-14 days for US Ortho Products repair service.

**STERILIZATION RECOMMENDATIONS:** Dry heat sterilization is best suited for destroying live microorganisms and is the recommended sterilization method. **DO NOT AUTOCLAVE!** This method ensures long life for instert-tipped instruments because there is no moisture, pressure, or chemicals in a use they operate within reasonable temperature levels. Heat sterilization instruments should be dried while hot to prevent corrosion.  
Important: Wipe clean pliers and instruments thoroughly before sterilizing.

**IMMERSION DISINFECTION AND STERILIZATION:** We recommend the use of cleaning products that contain a rust inhibitor that has been proven safe for carbon steel. **Never immerse pliers in:** Glutaraldehydes with phenols, iodophor surface disinfectants; Chlorinedioside, Sodium hypochlorite compounds or water. Immersion of pliers for the shortest time (within manufacturer's guidelines), will minimize chemical exposure and still retain effectiveness. Avoid metal-to-metal contact of plier tips when loading trays. Lubricate hinge joints each week with a quality, pure silicone lubricant.

**NON-WARRANTY REPAIRS:** For non-warranty repairs and sharpening, please contact:  
US Ortho Products  
(866)928-4404 or (562)699-6100  
8100 Broadway Ave.  
Whittier, California 90606-3118

## Warning

Many of US Ortho Products are made of stainless steel and/or nickel titanium. Stainless steel contains nickel and chromium. Nickel titanium contains nickel. Also cobalt-chromium contains chromium and a trace of nickel. A small percentage of the population is known to be allergic to these metals. If an allergic reaction occurs, advise patient to consult a physician.