



Essix[®] ACE[®] Plastic

High Performance Plastic for
Retention and Clear Aligners page 8

Raintree Distributor Catalog



For better, safer,
faster dental care

Raintree Essix

Product Categories

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Appearance. Strength. Durability. There are plenty of reasons to insist on authentic Essix® Brand Plastic.

With 10 types of thermoforming plastic, Essix® Brand is a respected name in clear orthodontic retention and polymer technology. From the clarity of Essix ACE® Plastic, to the durability of Essix C+® Plastic, to the bonding capabilities of Essix A+® Plastic, it's no wonder so many practices rely on genuine Essix® Brand Plastic to help guarantee compliance and satisfaction.

When it comes to meeting the needs of clinician and patient alike, Essix® Brand Plastic gives you the quality you demand.

Choose the Right Essix® Plastic for Each Application

	ALIGNERS - STANDARD	ALIGNERS - BRUXERS	RETAINERS - STANDARD	RETAINERS - BRUXERS	WHITENING TRAYS	NIGHTGUARDS	MOUTHGUARDS - NON-CONTACT SPORTS	MOUTHGUARDS - CONTACT SPORTS	BITE PLANES	BRUXISM APPLIANCES	TEMPORARY BRIDGES	TMJ SPLINTS	MODEL DUPLICATION/TRANSFER	ACCEPTS ACRYLICS/BONDING AGENTS
Essix® PLUS® Plastic			X	X										X
Essix ACE® Plastic	X		X								X			
Essix C+® Plastic		X		X										
Essix® Nightguard Laminate						X								
Essix® Dual Laminate												X		X
Essix® Bleach Tray and Model Duplication Material					X								X	
Essix A+® Plastic									X					X
Essix Tray Rite® Plastic					X									
Essix® Laminated Sports Mouthguard Material								X						
Essix® Sports Mouthguard Material							X	X						

Essix® plastics are not made with natural rubber latex or BPA. Chart indicates primary use.



Essix® Plastic

Essix® PLUS™ Plastic

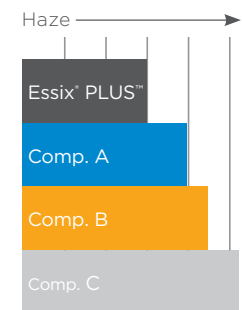
Redefining Retention

- Essix® PLUS™ Plastic is proven to look clearer, last longer and resist more staining
- Its proprietary formulation is extremely user friendly
- Appliances remove easily from models and trim effortlessly

Up to 43% more clear than leading competitors*

Clarity

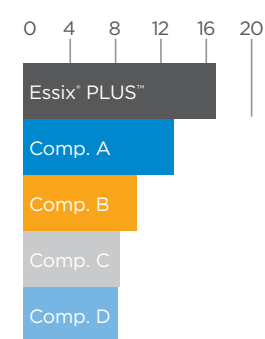
on a thermoformed sheet



Up to 2X more durable than leading competitors*

Durability

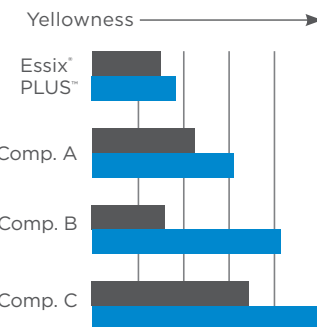
Energy to Break (Joules)



Up to 7X more stain-resistant than leading competitors*

Staining

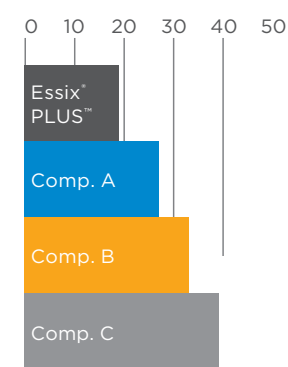
n Before Soak n After Soak



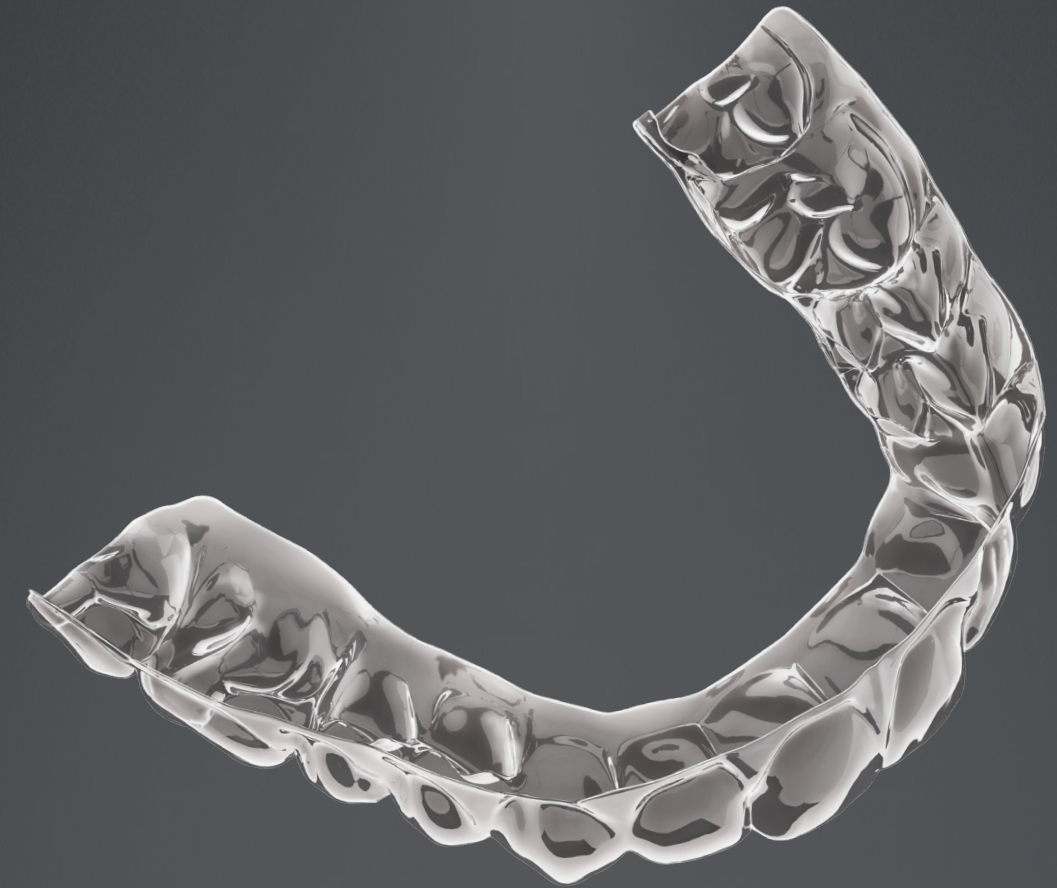
Up to 51% more wear-resistant than leading competitors*

Wear-Resistance

Material Loss in mg



*Data on file.



Primary Use: Retainers and Bruxism Appliances

ESSIX® PLUS™ Plastic

- Excellent clarity and durability
- Easy to form and trim, excellent wear and impact resistance
- Accepts acrylics/bonding agents
- Protective film on both sides
- Also use for aligners and temporary bridges
- Patent #5,692,894

THICKNESS	SHAPE	ITEM #
.035" / 7/8 mm	5" Square	#1APL35S5
	125mm Square	#1APL35S125
	125mm Circle	#1APL35C125
.040" / 1mm	120mm Circle	#1APL35C120
	5" Square	#1APL40S5
	125mm Square	#1APL40S125
	125mm Circle	#1APL40C125
	120mm Circle	#1APL40C120

Primary Use: Aligners and Retainers



ESSIX® ACE® Plastic

- Average life: 18-24 months
- Clear material has protective film on both sides; store in a cool, dry place
- Also use for temporary anterior bridges
- Patent #5,692,894

THICKNESS	SHAPE	ITEM #
.030" / 3/4 mm	5" Square	#1A350
	125mm Square	#1A347
	125mm Circle	#1A325
	120mm Circle	#1A320
.035" / 7/8 mm	5" Square	#1AH50
	125mm Square	#1AH347
	125mm Circle	#1AH25
	120mm Circle	#1AH20
.040" / 1mm	5" Square	#1A450
	125mm Square	#1A478
	125mm Circle	#1A425
	120mm Circle	#1A420

Primary Use: Whitening Trays

ESSIX® TRAY RITE® Plastic

- Clings to the tooth surface
- Doesn't stretch like EVA material - helps prevent bleaching material from leaking into mouth
- No reservoirs needed when fabricated on a vacuum machine
- Patent #6,089,869

THICKNESS	SHAPE	ITEM #
.020" / 1/2mm	5" Square	#70500
	125mm Circle	#70125
	120mm Circle	#70120

Primary Use: Aligners and Retainers for Bruxers



ESSIX® C+® Plastic

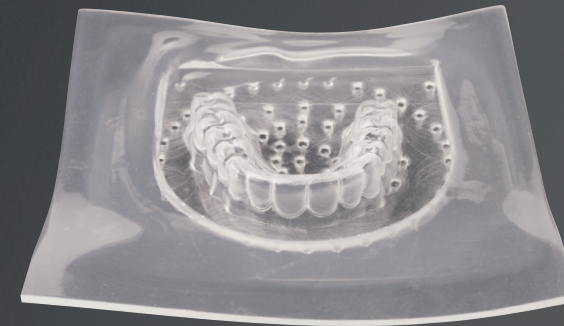
- Average life: 24 months
- Contact clarity; store in a cool, dry place
- Not for use with acrylics/bonding agents
- Also use for bite planes
- Patent #5,692,894

THICKNESS	SHAPE	ITEM #
.040" / 1mm	5" Square	#1C500
	125mm Square	#1C478
	125mm Circle	#1C125
	120mm Circle	#1C120

Essix® plastics are not made with natural rubber latex or BPA.



Primary Use: Model Duplication



ESSIX® Bleach Tray and Model Duplication Material

- Use .040"/1mm or .060"/1 1/2mm thicknesses for bleach trays
- Use any thickness for model duplication
- May also be used for transfer cases

THICKNESS	SHAPE	ITEM #
.040"/1mm	5" Square	#1M045
	125mm Circle	#1M04C
.060"/1 1/2mm	5" Square	#1M065
	125mm Circle	#1M06C
.080"/2mm	5" Square	#1M085
	125mm Circle	#1M08C
	120mm Circle	#1M080C

Primary Use: Temporary Bridges



ESSIX® Pontics

- Wear-resistant, vacuum-processed synthetic resin
- Special lingual channel ensures pontic locks into the plastic appliance
- Patent Pending



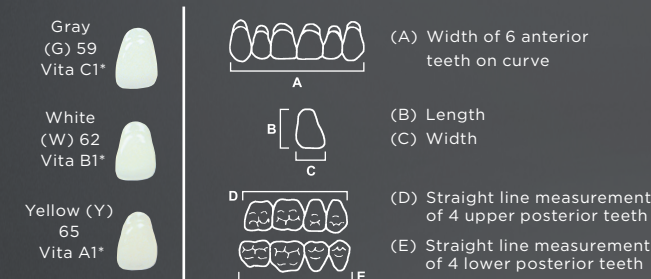
Upper Laterals #EUT6-(color)		
Mold Classification	Tapered	
Length Lateral (B)	9.9mm	
Width Lateral (C)	6.2mm	
Tapered Upper Anteriors #TUA6-(color)		
Mold Classification	Tapered	
Total Width on Curve (A)	49.5mm	
Length Lateral (B)	10.8mm	
Width Lateral (C)	8.3mm	
Square Upper Anteriors #SUA6-(color)		
Mold Classification	Square	
Total Width on Curve (A)	57mm	
Length Central (B)	11mm	
Width Central (C)	9.4mm	
Lower Anteriors #ELA6-(color)		
Total Width on Curve (A)	37.5mm	
Length Central (B)	9.7mm	
Width Central (C)	5.1mm	

SET OF 6

0° Posteriors - Upper #PUMO-(color)	
Width Upper (D)	32.2mm
0° Posteriors - Lower #PLMO-(color)	
Width Lower (E)	34mm

SET OF 8

ESSIX® PONTICS SET #EPO04-(color)
Includes 6 cards, 1 ea. type



* Vita A, B & C designations correspond to the Vita® shade guide, which is meant to be a guide, not a match. Vita is not a trademark of DENTSPLY.

Primary Use: Bite Planes



ESSIX® A+® Plastic

- Clear material has protective film on both sides
- Accepts acrylics/bonding agents; store in a cool, dry place
- Additional uses include splints, nightguards (2mm and 3mm) and snoring appliances
- .020", .030" and .040" not recommended for bruxers
- Patent #5,692,894

THICKNESS	SHAPE	ITEM #
.020"/1/2mm	5" Square	#10025
	125mm Square	#10020
	125mm Circle	#11020
.030"/3/4 mm	120mm Circle	#11021
	5" Square	#10035
	125mm Square	#10030
.040"/1mm	125mm Circle	#11030
	120mm Circle	#11031
	5" Square	#10045
.060"/1 1/2mm	125mm Square	#10040
	125mm Circle	#11040
	120mm Circle	#11041
.080"/2mm	5" Square	#10065
	125mm Square	#10060
	125mm Circle	#11060
.120"/3mm	120mm Circle	#11061
	5" Square	#10085
	125mm Square	#10080
	125mm Circle	#11080
	120mm Circle	#11081
	5" Square	#13500
	125mm Circle	#13125
	120mm Circle	#13120

Essix® plastics are not made with natural rubber latex or BPA.

Primary Use: TMJ Splints



ESSIX® Dual Laminate

- Dual-sided construction: hard top surface withstands mastication pressure while soft bottom surface provides patient comfort
- Accepts bonding agents
- Also use for nightguards, clenched and grinders
- Note: Not recommended for use in a Druformat.

THICKNESS	SHAPE	ITEM #
.080"/2mm	5" Square	#12500
	125mm Circle	#12125
.120"/3mm	5" Square	#1MEDL
	125mm Circle	#1MEDL125

Primary Use: Bruxism Appliances



ESSIX® Nightguard Laminate

- Single-sided construction; soft surface
- Excellent shape memory and abrasion resistance
- Also use for orthodontic repositioners and periodontal splints

THICKNESS	SHAPE	ITEM #
.120"/3mm	5" Square	#1MENL

Primary Use: Contact Sports

ESSIX® Laminated Sports Mouthguard Material

- Two laminated layers of protection
- A 1/8" plastic insert helps protect the incisal edges of teeth
- Store in a cool, dry place



LAMINATION	Pre-laminated		
SHAPE	THICKNESS	COLOR	ITEM #
5" Square	.160"/4mm	CLEAR:	#1MLS5
		1-COLOR:	#1MLS5-(color)
		2-COLOR:	#1MLD5-(color)
	.200"/5mm	3-COLOR:	#1MLT5 Red/White/Blue
		CLEAR:	#1MLS55
		1-COLOR:	#1MLS55-(color)

Essix® plastics are not made with natural rubber latex or BPA.

4mm only

Black/Gold BKGD	Blue/White WHBL	White/Purple PUWH
Black/Orange BKOR	Blue/Yellow BLYE	White WH
Black/Red BKRD	Green/White WHGR	Red/White/Blue
Black/White BKWH	Green/Yellow GRYE	
Blue/Red BLRD	Red/White RDWH	

4mm & 5mm

Black BK	Orange OR	Red RD
Blue BL	Purple PU	Yellow YE
Green GR		

Primary Use: Contact Sports

ESSIX® Sports Mouthguard Material

- Use for children and young adults participating in low-contact sports
- Offer your patients their favorite team colors!
- Store in cool, dry place



LAMINATION	None		
SHAPE	THICKNESS	COLOR	ITEM #
5" Square	.120"/3mm	CLEAR:	#1M125
		1-COLOR:	#1M125-(color)
		CLEAR:	#1M155
125mm Circle	.160"/4mm	1-COLOR:	#1M155-(color)
		CLEAR:	#1M12C
		1-COLOR:	#1M12C-(color)
125mm Circle	.160"/4mm	CLEAR:	#1M15C

3mm & 4mm

Black BK	Red RD	Orange OR	Purple PU
Blue BL	Yellow YE	White WH	
Green GR			

4mm only

White WH



Trimming Tools

SQ Micromotor

- Use with burs and polishing brushes to finish removable plastic appliances quickly
- 0-35,000rpm non-stage speed system
- Variable speed foot control; forward and reverse
- One-year warranty

#207MM-110 110v/220v

SQ is not a trademark of DENTSPLY.



Carbide Lab Burs

- Not for intra-oral use for straight handpiece only

Fine Staggered Toothing

- Use for finishing of plaster and metal alloys
- Also good for adjustments to standard retainer acrylics



ITEM#	#FST77-14	#FST77-23	#FST77-29	#FST261-23	#FST79-40	#FST351-60	#FST257-60	#FST251-60
HEAD SIZE	1.4mm	2.3mm	2.9mm	2.3mm	4mm	6mm		
HEAD LENGTH	2.9mm	5mm		13mm		11mm	14mm	
MAX SPEED	100,000rpm			<15,000rpm	<30,000rpm	<15,000rpm		

Staggered Toothing

- Use for die trimming on metal alloys, acrylics and plaster



ITEM#	#ST77-14	#ST77-23	#ST261-23	#ST79-40	#ST351-60	#ST72-60	#ST251-60	#ST257R-60
HEAD SIZE	1.4mm	2.3mm		4mm		6mm		
HEAD LENGTH	2.9mm	5mm	13mm		11mm	12mm	14mm	
MAX SPEED	100,000rpm		<40,000rpm	<30,000rpm		<20,000rpm		

Fine Toothing With Cross Cuts

- Trims standard acrylics
- Can be used on precious metals including titanium



ITEM#	#FSQ79-31	#FSQ79-70	#FSQ25160
HEAD SIZE	3.1mm	7mm	6mm
HEAD LENGTH	13mm	14mm	14mm
MAX SPEED	100,000rpm	30,000rpm	50,000rpm



Essix® Window Bur

- Creates the “window” or space in a clear aligner for tooth to move into during minor tooth movement.
- For slow-speed straight handpiece only
- Head Size: 0.74mm x 5.2mm

#18925



Sports Mouthguard Trimming Bur

- Use to efficiently achieve smooth edges, after trimming away excess plastic
- Follow with Polishing Brushes for fine contouring and smoothing
- 2.35mm shank; coarse grit

#MGTB-1 Sold in packs of 5



Trimming Wheel

- Trim plastic appliances with this high-quality, rigid one-piece tool.
- 10mm head size; 0.5mm thickness
- Max. speed 10,000rpm

#18320

4” Curve Scissors

- Help obtain a clean, smooth edge on the lingual anterior region of Essix® appliances
- Ideal for bleaching trays
- Autoclavable.

#18004



Trimming Burs

- Trim plastic appliances easily and effectively.
- Straight handpiece only; max. speed 10,000rpm

#18901 Basic, Head Size: 5.5mm x 13.2mm

#18979N Narrow, Head Size: 2.3mm x 23mm

#18979W Wide, Head Size: 7mm x 14mm

#18979S Set of Wide & Narrow



Polishing Brushes

- Ideal for polishing edges of plastic appliances.
- Scotch-Brite® material pre-mounted on mandrel
- Use with Cordless Dremel;
- Max. speed 5,000rpm

#18981 (12) Coarse

#18982 (12) Medium

#18983 (12) Fine

#1898C t

Scotch-Brite® is not a trademark of DENTSPLY.



Border Polishers

- Smooth Edges of Appliances
- Use with Cordless Dremel or slow-speed handpiece at a maximum of 10,000rpm.

#18973 Coarse Grit

#18972 Medium Grit

#18971 Fine Grit

#18970 Set (1) ea. grit

5 1/2” Mayo Scissors

- Ideal for cutting the labial outline on Essix® appliances with minimal jagged edges.
- The curve of the scissors follows the curve of the arch.
- Autoclavable.

#18001



8” Universal Shears

- Excellent for quickly trimming excess plastic and more rigid materials.
- Heavy-duty stainless steel
- Serrated edges
- Easy grip handles

#18005



3 1/4” Crown & Bridge Scissors

- Designed for precise trimming, especially for the palatal or lingual on full arch appliances.
- Autoclavable.

#18002



Cast Removing Instrument

- Helps Avoid Costly Cast Damage
- Use under the distal flange to work appliance up off the model to ensure plastic integrity and avoid breaking the cast.

#18742



Accentuator® Tool

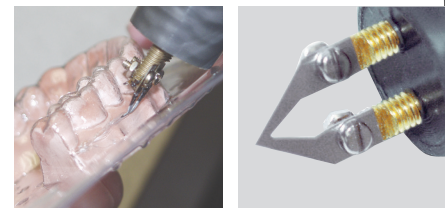
- Helps Ensure a Snap-in Fit
- Use to guide plastic down into the interproximal undercuts.

#18943

Precision Electric Heat Knife

- Best for trimming custom sports mouthguards and scalloping custom bleach trays
- Melt and cut thermoforming plastic — up to 4mm splint material
- Built-in regulator
- Three-month warranty

#88550 110v Knife
#88550-BLADE Extra Heat Tip



Butane-Powered Microtorch

- Safety-starter lock
- Adjusts to broad or pinpoint flame; hands-free option with intense flame
- Attached, flared base provides stability

#MT001 Microtorch

Item may be shipped via ground delivery only - no air delivery.



Clear Straps

- Attach to sports mouthguard

#1M-STP-CL (12) Straps



Finishing Liquid

- Rub on completed custom sports mouthguards for a high-quality finish
- Contains natural eucalyptus

#4466N 250ml Bottle

Item may be shipped via ground delivery only - no air delivery.

Cordless Dremel

- Use to trim and polish removable appliances.
- Special dental chuck and charger
- Two speeds: 6,500 and 13,000 rpm
- Two-year manufacturer's warranty

#DR001 Cordless Dremel 110v

#DR006 Extra Dremel Battery

#DR007 Cordless Dremel 110v with Extra Battery

Essix® Lab Knife

- Good for cutting distal ends on plastic appliances and for cutting windows in aligners for tooth movement.

#18800 Essix® Lab Knife

#188RF 25 Refill Blades

#18KIT Essix® Lab Knife & 25 Refill Blades

Achieving a Perfect Fit Bundle

- Achieve a perfect-fitting aligner or retainer
- (12) 10oz cans Freeze Spray Coolant (#22000)
- 12oz can Trim-Rite® Release Agent (#21004)
- Accentuator® Tool (#18943)
- Appliance Trimming Kit (#KIT-TRIM)

#18PFT



Freeze Spray Coolant

- Provides enhanced adaptation
- Use to cool plastic after thermoforming to prevent malformation of plastic.
- Without this rapid cooling, lingual or palatal edge may lift.
- Also used to increase flexibility on thermal-activated arch wires.
- Patent #6,371,759

#22000 10oz can

#22000-12 (12) 10oz cans

Can only be shipped via ground delivery—sorry, no air delivery.

Trim-Rite® Release Agent

- Helps Avoid Broken Models
- Spray the cast to ensure a clean separation of the working cast from the thermoformed plastic.
- Works with all thermoforming plastics
- Formulated not to turn plastic yellow!

#21004 12oz can

Can only be shipped via ground delivery—sorry, no air delivery.

Impressions & Models



Both imprESSIX® Alginate formulas:

- 25 micron line detail
- Dustless
- 2 casts per impression
- Fills tray smoothly
- Easy to remove from mouth
- Natural fruit smell
- Named the Top-Rated Alginate by THE DENTAL ADVISOR seven years in a row!



ImprESSIX® Color Change Alginate

- Tells You When It's Ready.
 - Setting time: 60 seconds.
 - Dimensional stability: 5 days (inside sealed plastic bag)
- #IEC001 500g Bag
#IEC001-20 Case (20) 500g Bags



ImprESSIX® Extra Fast Set Alginate

- Do More in Less Time.
 - Setting time: 45 seconds.
 - Dimensional stability: 2 days (inside sealed plastic bag)
- #IE001 500g Bag
#IE001-20 Case (20) 500g Bags



imprESSIX® Alginate Starter Kit

- Includes 500g bag imprESSIX® Alginate, Scoop, Storage Canister and Water Dosing Bottle.
- #IE001-SK Extra Fast Set
#IEC001-SK Color Change
#ASC01 Canister
#AMS01 Scoop



Essix® Alginate Remover

- Remove alginate and gypsum residues from impression trays and other dental instruments quickly and easily — with no scraping or scouring!
- Environmentally-friendly, pH-neutral and biodegradable: rinses down the sink without pre-treating.
- One jar cleans over 500 impression trays!

#CAGC 1kg jar



Essix® Impression Guards

- Take Impressions without removing the archwire.
- Essix® Impression Guards stretch over brackets, eliminate undercuts and allow for smoother intact impressions.

#17550 (50) Guards

- Blue- TB
- Yellow - TY
- Pink - TP
- Green - TG
- Orange - TO



Alginate Mixing Bowls & Spatulas

- Smooth interior makes removing mixed alginate easy.
- Does not contain PVC

#AMB-(color) Bowls, 4" diameter
#TS-(color) Spatulas

Tuff Lock™ Disposable Impression Trays

Upper Trays

- #18LITU-L Adult Large - Yellow
- #18LITU-M Adult Medium - Green
- #18LITU-S Adult Small - Blue
- #18LITU-PM Pedo Medium - Orange
- #18LITU-PS Pedo Small - Red

Mixed Upper & Lower Trays

#18LITAST (50) per bag; 5 ea. size

Lower Trays

- #18LITL-L Adult Large - Yellow
- #18LITL-M Adult Medium - Green
- #18LITL-S Adult Small - Blue
- #18LITL-PM Pedo Medium - Orange
- #18LITL-PS Pedo Small - Red



General Purpose Lab Vibrator

- Low, medium and high speeds
- Rubber suction cup feet hold vibrator still even during the heaviest cycles to help prevent spills!

#LVIB 110v



Fillin Blockout Material

#42541 60g box \$19.40

Fillin is not a trademark of DENTSPLY.



Essix® Debubblizer

- Helps Eliminate Air Bubbles
- To reduce air entrapment in the cast, spray into the impression prior to pouring the model.
- Clear liquid.

#21008 16oz spray bottle

Available for U.S. distribution only.



Wonderfill™ Tongue And Void Filler

#WF100 1.13kg tub

Wonderfill is not a trademark of DENTSPLY.



Ortho Box® Storage Systems

Top-Loading for Finished Cases

#OB004 Mounted models, 4 boxes

#OA004 Unmounted models, 4 boxes

Drawer-Loading for Active Cases

#OD004 Mounted models, 4 boxes

#ODA04 Unmounted models, 4 boxes

Ortho Box is not a trademark of DENTSPLY.





Essix® Fast Cast Die Stone

- Allows you to deliver appliances quickly.
- Working time 60-90 sec.; setting time 2 min.
- Pull time minimum 5 minutes
- Completely dry at 14,000psi in 48 hours
- Setting expansion of 0.15%
- White color

#16505 5.5 lb. Bag
#16545 45 lb. Carton



Essix® Die Stone

- High compression strength makes a strong stone model.
- Working time 6-8 min.; setting time 12 min.
- Pull time minimum 30 minutes
- Completely dry at 17,000psi in 48 hours
- Low setting expansion of 0.13%
- Pink color

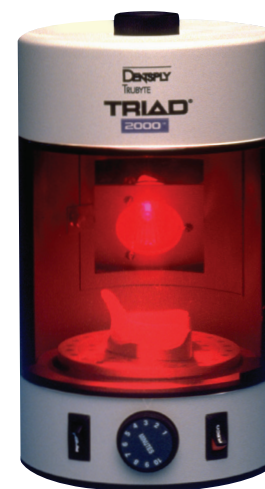
#16005 5.5 lb. Bag
#16025 25 lb. Carton
#16050 50 lb. Carton

Earth Stone

- Full working hardness in 15 min.
- Completely dry at 19,700psi in 48 hours
- Setting expansion of 0.020% - 0.027%

#16901 (18) Units

Earth Stone is not a trademark of DENTSPLY.



Triad® 2000 Light Cure System

- Specifically designed to cure Triad® materials using light and heat
- Turntable rotates for even heat distribution
- 2.125" h x 7" w x 10.75" d; weighs 14lbs; Five-year warranty

#31SYS 110v



Tray-Lux™ Light Curing Unit

- Digital timer adjusts from 6 sec. to 99 min.
- 3.5" h x 5.3" w x 10.25" d; 4.63lbs.
- Six-month warranty

#LCB001 110v

#LCB-BULB Replacement Bulb

TRAY-LUX is not a trademark of DENTSPLY.



Triad® Gel Light Cure Material

- Block out excessive undercuts on the cast,
- Correct cast discrepancies
- Create space in Essix® aligners for tooth movement

#30AST Assorted - (1) each of Clear Pink, Clear Colorless, Clear Blue, Clear Red

#30004 Clear Pink
#30006 Clear Colorless (4) 22g tubes



Triad® VLC Provisional Composite Material

- Used to make bite planes, TMJ Splints, and posterior stabilization appliances
- 4" ropes are easy to mold

Light Ivory

#31006 (6) Ropes

#31030 (30) Ropes

Enamel Color

#31106 (6) Ropes

#31032 (30) Ropes



MTM® Clear•Aligner In-Office The Hands-On Alternative

MTM® Clear•Aligner In-Office is based on a hands-on technique developed by orthodontist Dr. Keith Hilliard to address increased patient demand for esthetic treatment. In use for over a decade, his widely-published¹ and practiced method uses basic orthodontic principles to achieve minor tooth movements that cost-effectively improve the patient's smile. MTM® Clear•Aligner In-Office utilizes Essix® Brand

plastics² and the Thermoplier® Pliers to fabricate clear plastic aligners that move teeth with integrated "force points". This versatile technique is used by clinicians nationwide as a standalone esthetic treatment, for mid-course correction or refinement of orthodontic cases, and in preparation for other cosmetic or therapeutic procedures.

1. Essix Appliance Technology: Applications, Fabrication and Rationale, J. Sheridan, K. Hilliard & P. Armbruster (2003) GAC International, Inc.; The Invisalign System, O. Tuncay, (2006) Quintessence Publishing; Orthodontics: Current Principles & Techniques (4th Ed.), T. Graber, R. Vanarsdall & K. Vig, (2005) Mosby, Inc.; Contemporary Orthodontics (4th Ed.), W. Proffit, H. Fields, & D. Sarver, (2007) Mosby, Inc.
2. Materials are indicated for the fabrication of orthodontic and dental appliances such as aligners, bite planes, nightguards, splints, retainers and temporary bridges.



Hakko® Digital Thermometer & Dental Burner Set

- Set includes: #82591 Fahrenheit Thermometer,
- #82TAB Dental Burner and
- #82585 EconoGas Butane

#825BT

Hakko® Digital Thermometer

- Overheated pliers may poke holes into aligners, while under-heated pliers may distort or stretch materials.
- Measure exact temperature of pliers to ensure a "perfect" bump
- includes 10 couplers
- 5.75" x 2.5" x 1.75" ; 1-year warranty

#82591 Fahrenheit F°

#82591-C Celsius C°

#82592 (10) Extra Couplers

Dental Burner

- State-of-the-art piezo crystal instant ignition
- One-handed touch-activated operation; adjustable flame
- Lock burner "on" for longer tasks, or "off" for safety
- 5.5" x 2.5" x 2.5" ; one-year warranty

#82TAB Dental Burner

#82585 6oz EconoGas Butane

MTM® Clear•Aligner In-Office Kits

- A fast and convenient way to integrate MTM® Clear•Aligner into your practice,
- MTM® Clear•Aligner In-Office Kits put you on the pathway to better case outcomes and bigger profits
- Visit essix.com for more information on MTM® Clear•Aligner Kits.
- Save hundreds of dollars vs. buying each item separately!

#821KIT

#820KIT

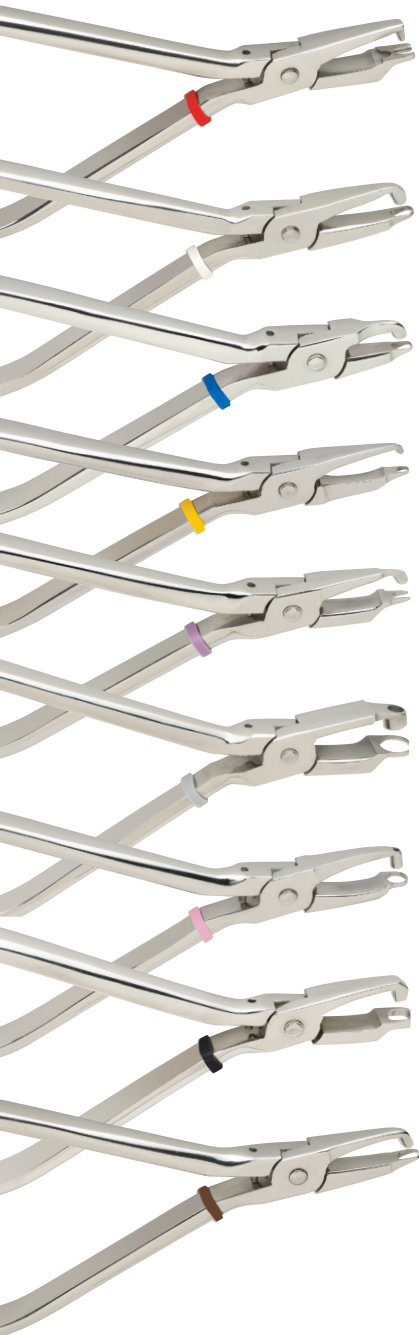
Pliers can be autoclaved. Patent #6,293,790 and Patent #6,702,575.
EconoGas can be shipped via ground delivery only - sorry, no air delivery.
Hakko and EconoGas are not trademarks of DENTSPLY.



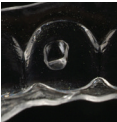

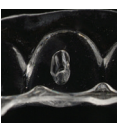

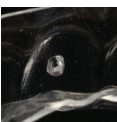

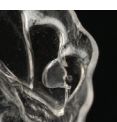

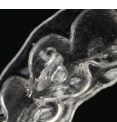

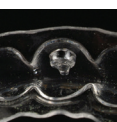







Thermoplier® Pliers

- At the core of the MTM® Clear•Aligner In-Office treatment are the Thermoplier® Pliers.
- The Pliers are used to create or modify force points, to create space, to create slots or to form hooks in aligners.
- Force points generate pressure to gently move teeth into the desired position.
- Heat Pliers prior to using.
- Autoclavable.
- Patent #6,293,790
- Purchase as single pliers or as a set

#8253B Maxillary and Mandibular Plier Set



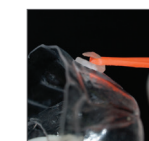
	Purpose / Indication	Position on Aligner		
#82510 ○ Red Thermoplier® Undercut Enhancer Pliers	Adjust loose aligners by tightening/extending plastic at interproximal points	Undercut areas/ embrasures on both sides of the aligner alternating undercuts		
#82520 ○ White Thermoplier® Maxillary Tooth Moving Pliers	Tip or rotate larger teeth	Center of the target tooth		
#82530 ○ Blue Thermoplier® Mandibular Tooth Moving Pliers	Tip or rotate smaller teeth	Center of the target tooth		
#82560 ○ Yellow Thermoplier® Micro-Ramp Pliers	Tip, torque or rotate smaller teeth laterally; Allow contact close to incisal edge	On the correct location on the target tooth		
#82630 ○ Purple Thermoplier® Mesial-Distal Pliers	Lateral movement of both posterior and anterior teeth; Allow contact close to incisal edge	Appropriate interproximal areas		
#82610 ○ Gray Thermoplier® Large Circle Pliers	Increase the size (diameter) of a large existing force point; Elevate H.I.T.® Hooks off of teeth	In the area around the force point or hook		
#82620 ○ Pink Thermoplier® Small Circle Pliers	Increase the size (depth) of small existing force point	Location of the existing force point		
#82540 ○ Black Thermoplier® Bite Plane Pliers	Make bite plane aligners without acrylic	On the resulting mark from articulating paper		
#82590 ○ Brown Thermoplier® Bubble-Forming Pliers	Create additional space in the aligner for the target tooth to move into	The location opposite force point on target tooth		

H.I.T.® — Hook Inserting Tack Pliers

- Select tooth movements, such as closing major diastemas, may require attachments.
- The H.I.T.® System provides a way to insert external hooks onto the aligner for attaching elastics.
- The attachment is affixed to the aligner, not to the teeth. This reduces chair time, and makes it easy for the patient to seat and remove the aligner.
- Pliers should not be heated prior to using.
- Autoclavable.
- Patent #6,702,575

- #82720 H.I.T.® Insertion Pliers
- #82740 H.I.T.® Punch Pliers
- #827HC Set of both H.I.T.® Pliers
- #827HC Set of both H.I.T.® Pliers and #H2610
- #82610 Large Circle Thermoplier® Pliers
- #828HT H.I.T.® Hooks Pack of 50
- #82ELA H.I.T.® Elastics

	Purpose / Indication	Position on Aligner
#82740 H.I.T.® Punch Pliers	Punches a hole into which the hook is inserted	In the center of raised surface on target tooth
#82720 H.I.T.® Insertion Pliers	To insert a hook	In the hole punched with Punch Pliers on target toothtarget tooth
#828HT H.I.T.® Hooks	A hook to attach elastics	In the hole punched with Punch Pliers on target tooth
#82ELA H.I.T.® Elastics	Closes spaces	Attaches to hooks in aligner



Bonding Buttons

- Bonds with acrylic resin or other bonding agent to most plastic appliances to attach elastics.
- #82604 (10) buttons per bag





Window-Punching Pliers

- These pliers allow easy adjustments of clear aligners for use with various orthodontic auxiliaries.
- No handpiece is needed! Pliers should not be heated prior to using.
- Autoclavable.
- Patent Pending

#827IW Incisal Window Pliers

#827GW Gingival Window Pliers

	Purpose / Indication	Position on Aligner
#827IW Incisal Window Pliers	Punches a hole in the aligner near the incisal edge to allow for other auxiliary attachments, including buttons and bands	At the incisal edge of the aligner
#827GW Gingival Window Pliers	Punches away plastic to allow for other auxiliary attachments near the gingival edge, including buttons and bands	At the gingival edge of the aligner



Interproximal Reduction



SpaceFile® Interproximal Reduction Kit

- Precision Swiss-made, diamond-impregnated files accomplish a wide range of tasks including breaking contact, reduction, contouring, fine trimming and finishing.
- Can be used three ways, depending on your personal preference and case requirements.

DIAMOND-IMPREGNATED

Assorted Packs

Includes (1) of each thickness plus Serrated Contact Point Saw.

DOUBLE-SIDED	SINGLE-SIDED LEFT	SINGLE-SIDED RIGHT
#40034	#40034-LS	#40034-RS

Assorted Packs include Removable Grip, 8 files and 1 Serrated Contact Point Saw

THICKNESS

Polishing

A final step in tooth surface restoration.



#40035-G	#40035-LS-G	#40035-RS-G
0.085mm	0.070mm	0.070mm

Finishing

For finishing prior to final polish.



#40035-P	#40035-LS-P	#40035-RS-P
0.110mm	0.100mm	0.100mm

XX Fine

Pre-polish and finish reduced areas. Also use as initial strip for excessive crowding.



#40035-W	#40035-LS-W	#40035-RS-W
0.140mm	0.123mm	0.123mm

X Fine

Pre-polish stripped areas. Also use as initial strip for crowded cases.



#40035-Y	#40035-LS-Y	#40035-RS-Y
0.160mm	0.138mm	0.138mm

Fine

Use to initiate reduction in crowded cases. Also use to contour after reduction.



#40035-R	#40035-LS-R	#40035-RS-R
0.270mm	0.180mm	0.180mm

Medium

Use for reduction with some crowding or when some space exists. Smaller grain can achieve results before using Coarse strip.



#40035-BL	#40035-LS-BL	#40035-RS-BL
0.330mm	0.210mm	0.210mm

Coarse

Primary working strip for IPR. Also use to trim and contour.



#40035-GR	#40035-LS-GR	#40035-RS-GR
0.370mm	0.235mm	0.235mm

X Coarse

Use for maximum reduction at start of IPR.



#40035-BLK	#40035-LS-BLK	#40035-RS-BLK
0.490mm	0.290mm	0.290mm

Serrated Contact Point Saw

Use to break contact points on enamel, composite, amalgam, porcelain or gold.



#40035-CS	-	-

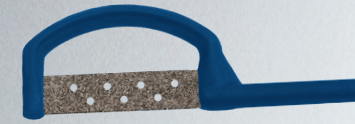
Single Type Packs include Removable Grip and 8 files

SpaceFile® Removable Grip

#40035-GRIP 3-Pack



Invented by Dr. Carlos Navarro. Design protected by: US Patent 0057540A1; EU Patent 4341095. MediMark® Europe BP 2332, F-38033 Grenoble Cedex 2, France. Rx Only. Made in Switzerland. Colors are for illustration purposes only. Actual color of product may vary.



SpaceFile® Contra-Angle Handpiece

- Use with ALL SpaceFile® Files
- Compact design makes reaching posterior regions easy
- Use with most standard slow-speed air motors and compressed air units such as A-dec, KaVo, W&H, NSK, Midwest-E and E-Stylus
- Reciprocating motion of 1.6mm
- Autoclavable
- One-Year Warranty

#40026ANG Contra-Angle Handpiece \$599

#40026MOT Air Motor \$899

A-dec, KaVo, W&H and NSK are not trademarks of DENTSPLY.

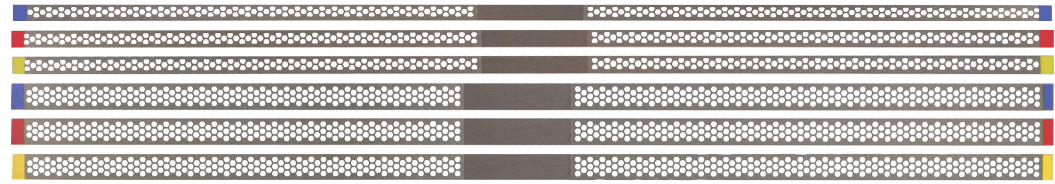


Flexview® Interproximal Strips

- Optimal visibility
- Gateway area allows easy access for IPR stripping and finishing
- Autoclavable in aluminum tube #53500

#5VN15 Narrow Assorted 15 Strip Pack, 5 ea. grit

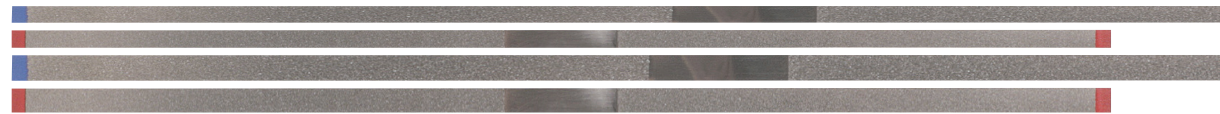
#5VW15 Wide Assorted 15 Strip Pack, 5 ea. grit



ITEM#	NARROW - 2.5MM WIDE / 148MM LONG			WIDE - 3.75MM WIDE / 148MM LONG		
	#5VNM1	#5VNF1	#5VNX1	#5VWM1	#5VWF1	#5VWX1
SINGLE-SIDED GRIT	Medium 45 micron	Fine 30 micron	Extra-Fine 15 micron	Medium 45 micron	Fine 30 micron	Extra-Fine 15 micron
THICKNESS	0.13mm	0.10mm	0.08mm	0.13mm	0.10mm	0.08mm

Diamond Interproximal Strips

- Gateway area allows easy access to contact points
- Stainless steel with electronically bonded diamonds
- Autoclavable in aluminum tube #53500

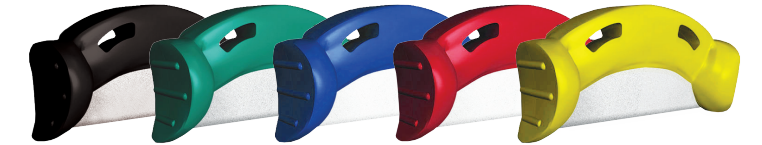


ITEM#	NARROW - 2.5MM WIDE / 147MM LONG			WIDE - 3.75MM WIDE / 147MM LONG		
	#53002	#53001	#53003	#53102	#53101	#53103
GRIT	Medium 45 micron	Fine 30 micron	Fine 30 micron	Medium 45 micron	Fine 30 micron	Fine 30 micron
SIDED	Double	Single	Single	Double	Single	Single
THICKNESS	0.21mm	0.13mm	0.10mm	0.21mm	0.13mm	0.10mm

Qwikstrip™ Interproximal Strips

- Help Prevent Soft Tissue Irritation
- IPR strips allow IPR to be performed in the anterior and posterior of the mouth
- Serrated strip is used to break contact points prior to performing IPR
- Grip handles allow more control, so there is less chance of cutting patients' lips or gums
- Autoclavable
- Assorted pack includes (2) of each grit. Serrated strips sold separately

QwikStrip is not a trademark of DENTSPLY.



GRIT	EXTRA COARSE 180 micron	COARSE 120-135 micron	MEDIUM 100-120 micron	FINE 45 micron	SUPERFINE 35 micron	SERRATED	ASSORTED
SINGLE-SIDED	#QS-XCB	#QS-CG	#QS-MB	#QS-FR	#QS-SFY	#QS-SW	#QS-ASRT
DOUBLE-SIDED	#QSDS-XCB	#QSDS-CG	#QSDS-MB	#QSDS-FR	#QSDS-SFY	—	#QSDS-ASRT
CURVED SINGLE-SIDED	#QSC-XCB	#QSC-CG	#QSC-MB	#QSC-FR	#QSC-SFY	—	#QSC-ASRT

Autoclavable Aluminum Tube

- Sterilize up to 15 interproximal strips at a time #53500



Serrated Interproximal Strips

- Use to open bonded proximal contact points
- Ultra-thin; made of stainless steel
- Thickness 0.05mm, width 6mm, length 150mm
- Autoclavable in aluminum tube #53500

#53400 10 per pack



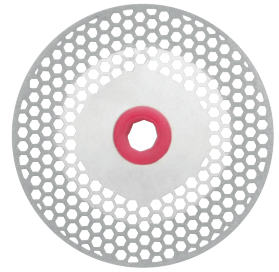


Diamond Discs

For separating and contouring; cutting edge

#911-ASRT 3-Disc Kit (1) ea. 18mm disc

ITEM#	#911H-140	#911H-180	#911HV-180	#911HH-180	#911H-220
SIZE	14mm	18mm	18mm		22mm
SIDED	Double		Single - Safe Side In	Single - Safe Side Out	Double
COVERAGE (B)	2mm	3mm			
THICKNESS (L)	0.15mm	0.20mm	0.10mm	0.20mm	
MAX SPEED	25,000rpm			20,000rpm	

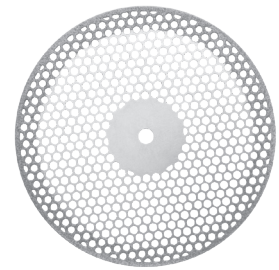


Flexview® Snap-On Finishing Discs

For stripping, contouring & shaping. Not for breaking contact.

Discs do not come with built-in mandrel.

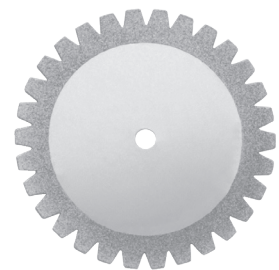
ITEM#	#53952-S	#53952-M	#53952-L	
SIZE	10mm	14mm	18mm	#53950 3-Disc Kit , Kit Includes (1) each size disc, RA Latch Mandrel and block
SIDED	Double			#53951 Mandrel RA Latch
COVERAGE (B)	1mm	2mm	3mm	#53954 Mandrel FG Latch
THICKNESS (L)	0.10mm			
MAX SPEED	10,000rpm			



Flexview® Mesh Discs

For IPR stripping and ultra-fine contouring/shaping. Not for breaking contact.

ITEM#	#934-100	#934-140	#934-180	#53210
SIZE	10mm	14mm	18mm	22mm
COVERAGE (B)	1mm	2mm	3mm	
THICKNESS (L)	0.18mm			
MAX SPEED	30,000rpm	25,000rpm	20,000rpm	



Flexible Serrated Discs

For anterior stripping.

ITEM#	#53199	#53201
SIZE	18mm	22mm
SIDED	Double	
COVERAGE (B)	3mm	
THICKNESS (L)	0.20mm	
MAX SPEED	20,000rpm	<30,000rpm



Flexview® Curved Disc

For anterior interproximal stripping. Curved slots provide visibility.

ITEM#	#53211
SIZE	22mm
SIDED	Double
COVERAGE (B)	7.5mm
THICKNESS (L)	0.10mm
MAX SPEED	20,000rpm



ARS Space Gauge

- Markings at 3mm, 5mm and 7mm along tip of instrument
- Doubles as periodontal pocket measuring instrument
- Excellent for tucking ligature wires
- Autoclavable

#50002



Arch Gauge

- Use during IPR treatment planning to measure the width of teeth & the arch
- Graduated 1mm and 5mm incremental lines
- Disposable, flexible plastic can be cut into sections for many orthodontic uses

#AMD-WH (25) White

#AMD-OR (25) Orange



IPR Gauge Set

- Use to measure and confirm space
- Six stainless steel gauges: 0.1mm, 0.2mm, 0.25mm, 0.3mm, 0.4mm, and 0.5mm
- Autoclavable
- Patent #6,413,086

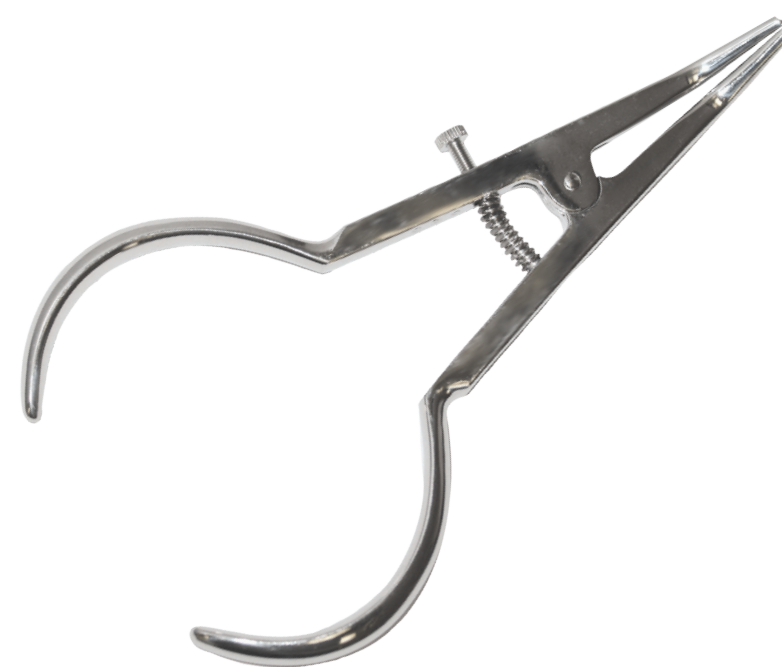
#IPR01



Clear Anterior Separators

- Thin for easy insertion
- 10 separators per dispenser;
- 50 dispensers per pack

#CS100



Loose Radiopaque Separators

- Identifiable by x-ray

#RS100 1,000 per Bag

Separator Pliers

- Notched tip prevents separators from slipping
- Adjustable stop screw eliminates "over stretching"

#RSPLI

Posterior & Anterior ARS Stripping Burs

- Used for rapid enamel reduction
- Open field is required. Use separators first unless teeth are parallel
- Autoclavable; do not immerse in cold-sterilization solution



FRICITION GRIP	Posterior ARS Cross-cut Carbide Stripping Burs	Anterior ARS Carbide Stripping Burs	Anterior ARS Diamond Bur
PACK OF 5	#699C	#699LC	#55000
TIP TYPE	Safe	Standard	—
HEAD SIZE	1.0mm	0.9mm	1.6mm
HEAD LENGTH	5.9mm	5.2mm	5mm
MAX SPEED	450,000rpm	<300,000rpm	300,000rpm

Safe- And Standard-Tipped Burs

- Diamond coated helps produce a natural finish
- Autoclavable; do not immerse in cold-sterilization solution



FRICITION GRIP	Safe-Tipped Finishing Burs			Standard-Tipped Finishing Burs			
PACK OF 5	#5MDST	#5FDST	#5EDST	#848MD	#514FD	#504ED	#848FD
PARTICLE SIZE	Medium	Fine	Extra Fine	Medium	Fine	Extra Fine	Fine
HEAD SIZE	1.4mm	1.2mm	1.2mm	1.2mm	0.9mm	1.4mm	1.4mm
HEAD LENGTH	10mm	8mm	10mm	10mm	3mm	10mm	10mm
MAX SPEED	<450,000rpm	300,000rpm	<450,000rpm	<40,000rpm	<30,000rpm	<40,000rpm	<40,000rpm

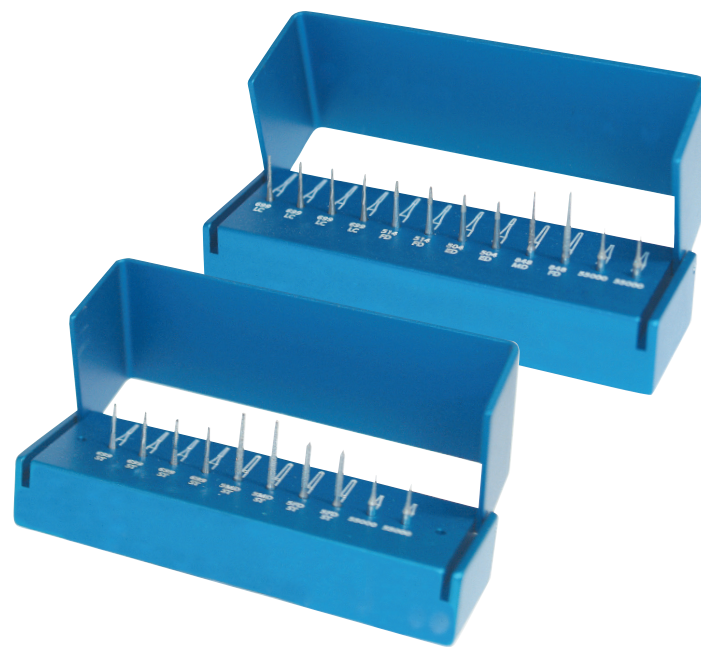
Standard-Tipped Bur Kit

- Includes storage block and 12 burs:
- (2) Anterior Diamond ARS Burs (#55000)
 - (4) Posterior ARS Carbide Stripping Burs (#699LC)
 - (1) Medium Diamond Finishing Bur (#848MD)
 - (2) Fine Diamond Finishing Burs (#514FD)
 - (2) Extra-Fine Diamond Finishing Burs (#504ED)
 - (1) Extended Head Diamond Finishing Bur (#848FD)
- #51200

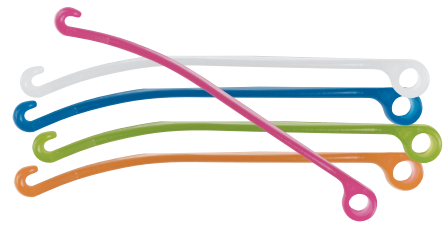
Safe-Tipped Bur Kit

- Includes storage block and 10 burs:
- (2) Anterior ARS Diamond Burs (#55000)
 - (4) Posterior ARS Carbide Stripping Burs (#699C)
 - (2) Fine Diamond Finishing Burs (#5FDST)
 - (2) Medium Diamond Finishing Burs (#5MDST)
- #512C

- These easy-to-store kits have the burs needed for ARS - from start to finish. Individual burs may be autoclaved; do not immerse in cold-sterilization solution.



Patient Care



White W
Tropical Blue TSB
Tropical Green TSG
Tropical Orange TSO
Tropical Pink TSP

Retainer Retrievers

- Remove appliances cleanly and efficiently
- Stores in appliance case
- 10 individual tamper-proof patient bags per pack

#RR-1(color)



Therapy Wafers

- Helps reduce discomfort associated with wearing orthodontic braces.
- Chewing on wafer may increase blood circulation around recently moved teeth by stimulating and massaging gum tissue

#BWFR25-GR Grape Scented, Purple

#BWFR25-BG Bubble Gum Scented, Pink

#BWFR25-CH Cherry Scented, Clear

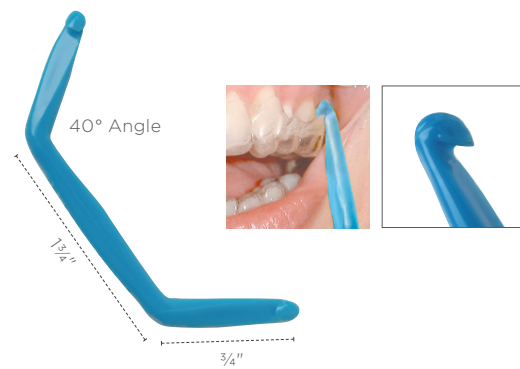


Purple Grape PG
Yellow Pineapple YPIN
White Unscented W
Green Mint GM
Pink Bubble Gum PBG

Chewies™ Aligner Tray Seaters

- Same size (13/8" l x 7/16" w) as standard dental cotton roll.
- Made of soft plastic.
- Bags of 10 patient packs; (2) seaters per pack

#AC-(color)



Appliance Remover Tool

- Ideal for patients with large fingers
- Convenient; fits inside appliance cases, non-disruptive to existing protocol
- 40° Angle, 1 3/4 in, 3/4 in, Patent- #7,011,517

#ART01



Retainer Brite® Cleaning Tablets

- Uniquely formulated to help preserve clarity and cleanliness
- It's easy to supply your patients.
- Stock 1- or 3-month boxes to sell or give to patients.
- Include a Patient Pak with a new appliance!

#RB-36-CASE

(24) 1-Month Supply Boxes 36 tablets per Box

#RB-92-CASE

(12) 3-Month Supply Boxes 96 tablets per Box

#RB-TP

(100) Patient Paks (Each Pak has 2 tablets and reorder form)

Sonic Cleaners

- Makes dental appliances sparkling clean!
- Works great when used with Retainer-Brite®.
- Includes a six month replacement warranty. 3.5"X4"
- uses 2 AA batteries (included)No color options

Non Personalized #RB-USC

Qty. 1-99

Qty. 100-499

Qty. 500+

Personalized #RB-USC-C

Qty. 50-99

Qty. 100-499

Qty. 500+

Performance products to support and help grow your business.

Raintree Essix designs and manufactures a broad range of products for the orthodontic and general dental markets. As a full service manufacturer, we are committed to quality, excellence and the pursuit of total customer satisfaction. Our business charter and quality policy is focused on the customer experience and meeting or exceeding customer requirements.



Impressix® Alginates,
page 19

SpaceFile® Interproximal Reduction Kit
and Contra-Angle Handpiece
pages 30-31

Essix® Performance Plastics
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Retainer Brite® Cleaning Tablets
page 39