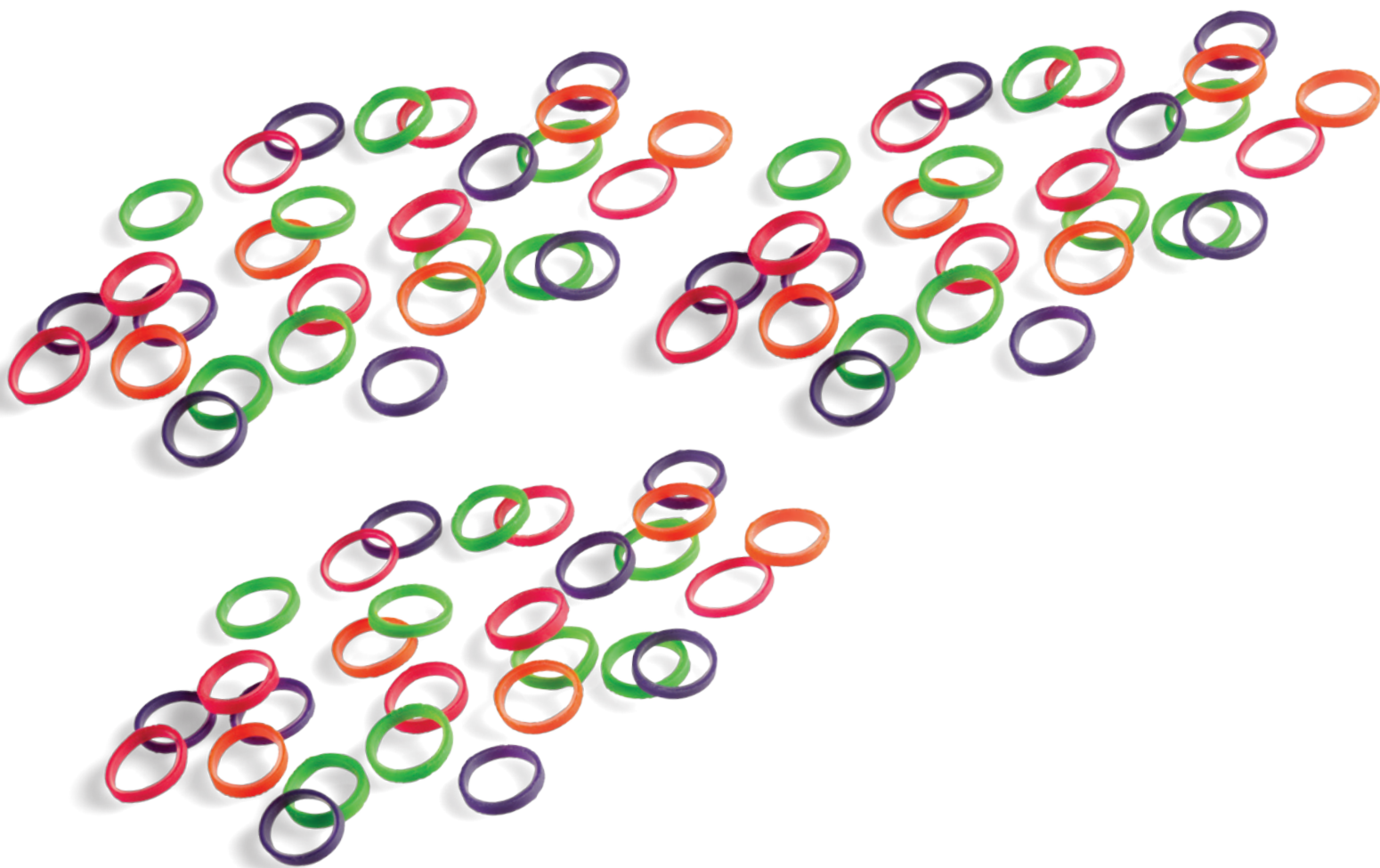
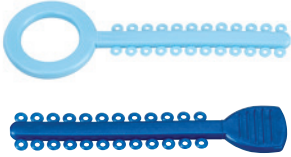




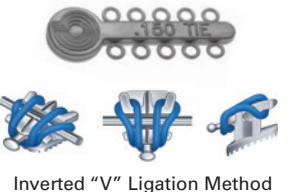



# ELASTOMERICS | H
























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ITEM	DESCRIPTION	CATALOG NO.						
	<p><b>Ring-Tie and O-Tie Ligatures – .120" diameter size (Non-Latex)</b></p> <ul style="list-style-type: none"> <li>• 24 modules per stick, 30 sticks per pack</li> <li>• Ligatures for individual patient use offer peace of mind by avoiding cross-contamination</li> <li>• Choose from 36 colors that resist fading</li> <li>• Easily fits under bracket tie-wings</li> </ul>	<p>See chart on pg. H-3 for available colors and catalog numbers.</p>						
	<p><b>Ligature Kit (Non-Latex)</b></p> <ul style="list-style-type: none"> <li>• Kit contains 24 individual colors, with a total of 270 sticks which includes 11 sticks per color</li> <li>• Easily store all your ligature colors as a complete system</li> <li>• 11" L x 7" W x 3½" H</li> </ul>	<p>402-019 • Ring-Ties Kit 402-020 • O-Ties Kit 402-015 • Empty Case</p>						
	<p><b>Mini-O-Tie™ Ligatures – .120" diameter size (Non-Latex)</b></p> <ul style="list-style-type: none"> <li>• 10 modules per stick, 50 ligature sticks per pack</li> <li>• Available in array of 34 colors</li> <li>• With 10 ligatures per stick, there is little waste and no cross-contamination</li> <li>• Easily remove each ring by utilizing the grip and ergonomic shape</li> </ul>	<p>See chart on H-3 for available colors and catalog numbers.</p>						
	<p><b>Mini-O-Tie Ligature Kits (Non-Latex)</b></p> <p>Small Kit (1800 ties) 18 individual colors/10 sticks each • 400-700 9" L x 5" W x 1¾" H Empty • 400-5BX</p> <p>Large Kit (2600 ties) 26 individual colors/10 sticks each • 400-700XL 10¼" L x 7¼" W x 1¾" H Empty • 400-5BXXL</p>	<p>400-700 • Small Kit 400-5BX • Small Kit Empty 400-700XL • Large Kit 400-5BXXL • Large Kit Empty</p>						
	<p><b>Hand-EE-Lasts™ Ligatures (Non-Latex)</b></p> <ul style="list-style-type: none"> <li>• Available in .110" or .120" diameter sizes</li> <li>• 100 modules per ring, 10 rings per pack</li> <li>• 120" diameter is available in array of 19 colors</li> <li>• Elastic ligatures are molded on an easy to dispense ring</li> </ul> <table border="1" data-bbox="1105 1566 1344 1654"> <thead> <tr> <th>COLOR</th> <th>.110"</th> </tr> </thead> <tbody> <tr> <td>CLEAR</td> <td>400-121</td> </tr> <tr> <td>TOOTH TONE</td> <td>400-226</td> </tr> </tbody> </table>	COLOR	.110"	CLEAR	400-121	TOOTH TONE	400-226	<p>See chart on pg. H-3 for available colors and catalog numbers of .120".</p>
COLOR	.110"							
CLEAR	400-121							
TOOTH TONE	400-226							
 <p>Inverted "V" Ligation Method</p>	<p><b>Maxi-Tie .150 Ligatures (Non-Latex)</b></p> <p>Larger than standard ligatures, the .150 diameter gives Maxi-Tie's extra space and flexibility. The increased elasticity makes them great for special ligations such as figure "8's" and inverted "V's".</p> <p>These ligatures will fit around molar buccal tubes and will easily ligate an archwire into a molar tube with the cap removed, eliminating the need for wire ligatures. 10 ligatures per stick. (10 per pack).</p>	 <p>Converted Molar Tube with Maxi-Tie</p> <p>400-051 • Clear 400-052 • Silver</p>						

ELASTOMERICS

# LIGATURE TIES' COLOR CHART
















COLOR/ DESCRIPTION		RING-TIE	O-TIE	MINI-O-TIE	HAND-EE-LAST	15' CHAIN		
COLOR	COLOR NAME	.120"	.120"	.120"	.120"	STANDARD	LONG	CONTINUOUS
	GRAY	400-844	400-794	400-744	400-222	400-194	400-315	400-313
	CLEAR	400-802	400-752	400-702	400-223	400-152	400-318	400-316
	WHITE	400-809	400-759	400-709	400-239	400-159	400-381	400-380C
	BLUE	400-806	400-756	400-706	400-238	400-156	400-350	400-349C
	GREEN	400-810	400-760	400-710	400-240	400-160	400-377	400-376C
	NEON PINK	400-803	400-753	400-703	400-233	400-153	400-344	400-341C
	BLACK	400-807	400-757	400-707	400-234	400-157	400-346	400-343C
	PURPLE	400-804	400-754	400-704	400-235	400-154	400-345	400-342C
	RED	400-805	400-755	400-705	400-236	400-155	400-375	400-374C
	YELLOW	400-808	400-758	400-708	400-241	400-158	400-348	400-347C
	ORANGE	400-824	400-774	400-724	400-242	400-174	400-389	400-388C
	TEAL	400-825	400-775	400-725	400-243	400-175	400-471	400-470C
	PEARL	400-843	400-793	400-743	—	400-193	400-398	400-397C
	VANILLA	400-826	400-776	400-726	400-227	400-176	400-335	400-334C
	NEON BLUE	400-812	400-762	400-712	400-231	400-162	400-473	400-472C
	NEON GREEN	400-827	400-777	400-727	400-232	400-177	400-340	400-339C
	GOLD	400-813	400-763	400-713	400-237	400-163	400-373	400-372C
	SILVER	400-801	400-751	400-701	400-244	400-151	400-371	400-370C
	SMOKE	400-828	400-778	400-728	400-245	400-178	400-475	400-474C
	BURGUNDY	400-814	400-764	400-714	400-246	400-164	400-379	400-378C
	GLOW NATURAL	400-840	400-790	400-740	—	400-190	400-392	400-390



This reference color chart may be used in your office for easy reordering of your favorite colors. Catalog No. 400-Chart

Actual color may vary from picture due to the printing process.

## LIGATURE TIES' COLOR CHART

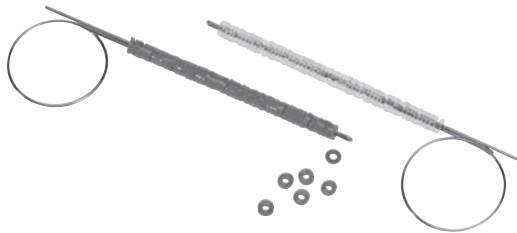
COLOR/ DESCRIPTION		RING-TIE	O-TIE	MINI-O-TIE	HAND-EE-LAST	15' CHAIN		
COLOR	COLOR NAME	.120"	.120"	.120"	.120"	STANDARD	LONG	CONTINUOUS
	GLOW PINK	400-841	400-791	—	—	—	—	—
	GLOW BLUE	400-837	400-787	—	—	—	—	—
	CAROLINA BLUE	400-820	400-770	400-720	—	400-170	400-394	400-393C
	COBALT BLUE	400-845	400-795	400-745	—	400-195	400-493L	400-493C
	PERIWINKLE	400-821	400-771	400-721	—	400-171	400-396	400-395C
	METALLIC GREEN	400-829	400-779	400-729	—	400-179	400-477	400-476C
	METALLIC BLUE	400-830	400-780	400-730	—	400-180	400-383	400-382C
	METALLIC PURPLE	400-846	400-796	400-746	—	400-196	400-492L	400-492C
	METALLIC RED	400-831	400-781	400-731	—	400-181	400-385	400-384C
	GRAPE	400-832	400-782	400-732	—	400-182	400-479	400-478C
	LIGHT PINK	400-833	400-783	400-733	—	400-183	400-481	400-480C
	LIGHT GREEN	400-834	400-784	400-734	—	400-184	400-483	400-482C
	DARK BLUE	400-835	400-785	400-735	—	400-185	400-485	400-484C
	RASPBERRY	400-836	400-786	400-736	—	400-186	400-487	400-486C
	SKY BLUE	400-842	400-792	400-742	—	400-192	400-491	400-490C
	ASSORTED COLOR	400-819	400-769	400-719	400-250	—	—	—
	SMALL ASSORTED KIT	—		400-700 (18 COLORS)	—	—	—	—
	LARGE ASSORTED KIT	402-019 (24 COLORS)	402-020	400-700XL (26 COLORS)	—	—	—	—

Actual color may vary from picture due to the printing process.

# MISCELLANEOUS

## ELASTOMERIC LIGATURE TIES

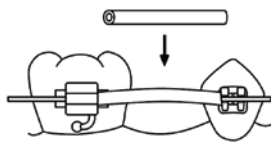
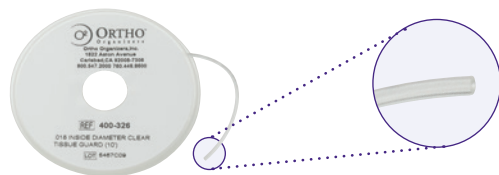
Ligatures on preloaded cane dispensers are easily engaged under bracket tie wings, yet hold with continuous force. Available in gray or clear. (20 canes per pack, 1000 ligatures total). Non-Latex.



LIGATURE TIES ON CANES (20 PER PACK)	COLOR	DIAMETER	CATALOG NUMBER
	Gray	.110	400-110
	Gray	.120	400-120
	Clear	.110	400-111
	Clear	.120	400-121

## TISSUE GUARD

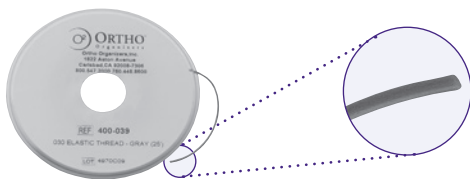
The tissue guard is used to slip over the archwire to prevent irritations and available in gray or clear. It is aesthetic in appearance and odor and stain resistant. Fits wires up to .045." (10' spool). Non-Latex.



COLOR	DIAMETER	CATALOG NUMBER
Clear	.018	400-326
Gray	.018	400-327
Clear	.027	400-330
Gray	.027	400-331
Clear	.046	400-328
Gray	.046	400-329

## 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. Available in gray or clear .025" and .030" diameters. (25' or 50' spools). Non-Latex.



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

## ELASTIC TUBE

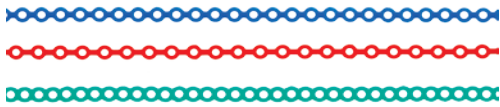
Hollow tube is ideal for rotation corrections, cuspid retractions and figure 8's. Consolidate space in the entire arch. The elastic tube offers good memory and is easy to ligate. Available in gray or clear and .025 and .030 diameters. (25' or 50' spools). Non-Latex.



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

## CHAIN ELASTIC – NON-LATEX

### Standard, Long, 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. (15 foot length)

See chart on page 181 for available colors and catalog numbers.

## CHAIN ELASTIC – NON-LATEX

### Light Force – Short, Long, Continuous

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 CHAIN 15'	COLOR	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".



OPTIONS	CATALOG NUMBER
Empty	402-014
Clear Cover (Optional)	120-006MC



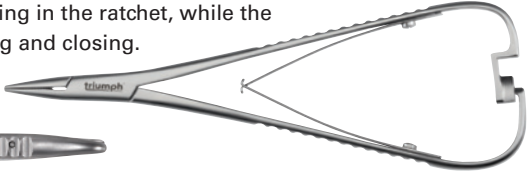


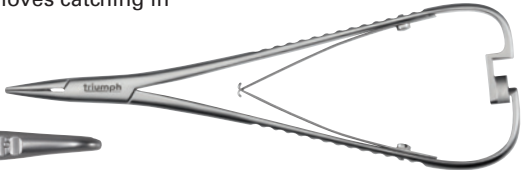
ELASTOMERICS

LIGATURE DISPENSERS/ORTHODONTIC INSTRUMENTS

ITEM	DESCRIPTION	CATALOG NO.
	<p><b>Deluxe Spool Dispenser</b></p> <ul style="list-style-type: none"> <li>• Aesthetically pleasing design holds 18 spools</li> <li>• Easily view the spool colors through the clear cover</li> <li>• Compact size, 10" x 4" x 4"</li> </ul>	<p>402-013 • Empty</p>
	<p><b>Combo Chain and Ligatures Dispenser</b></p> <p>Has 12 separated spaces for Ligatures 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. You may order the dispenser preloaded with 12 colors of Ligatures and matching standard chain; clear, blue, green, neon pink, black, red, neon green, silver, periwinkle, metallic blue, grape and light pink or empty.</p> <p>6" x 9" x 4".</p>	<p>Preloaded Dispensers 402-021 • Ring-Ties 402-022 • O-Ties 402-017 • Empty</p>

LIGATING PLIERS






TRIUMPH® ORTHODONTIC INSTRUMENTS

ITEM	DESCRIPTION	CATALOG NO.
	<p><b>Narrow Tip</b></p> <p>The narrow tip Mathieu style needle holder has serrated tips. Safety Lock reduces the chances of gloves catching in the ratchet, while the double spring allows instant opening and closing. Excellent for placement of ligature wires and elastomeric ties.</p>  	<p>205-402</p>
	<p><b>Smaha Ultra Fine Tip</b></p> <p>The ultra fine tip Mathieu style needle holder has serrated tips. This Mathieu instrument is exceptional for use when placing elastic ligature ties. Safety Lock reduces the chances of gloves catching in the ratchet, while the double spring allows instant opening and closing.</p>  	<p>205-403</p>

ELASTOMERICS  
**INTRAORAL ELASTICS**



Smile Safari™ Box

Diameter – Inch					
<b>AMBER – PREPACKAGED INTRAORAL ELASTICS: 1 BOX (APPROX. 100 ELASTICS PER BAG • 50 BAGS PER BOX)</b>					
<b>DIAMETER SIZE – INCH</b>	1/8"	3/16"	1/4"	5/16"	3/8"
<b>DIAMETER SIZE – MM (PASSIVE)</b>	3.2 MM	4.8 MM	6.4 MM	7.9 MM	9.4 MM
Bag Color	Purple	Green	Red	Blue	Orange
Light (2½ oz)	407-020S Giraffe	407-030S Toucan	407-040S Gazelle	407-050S Leopard	407-060S Vulture
Medium (4½ oz)	407-021S Chimpanzee	407-031S Zebra	407-041S Lion	407-051S Gorilla	407-061S Warthog
Heavy (6½ oz)	407-022S Python	407-032S Elephant	407-042S Rhino	407-052S Hippo	407-062S Crocodile



- Made from the finest amber-colored surgical latex tubing, precision-cut to separate each elastic.
- Each bag is color-coded by size for easy identification.
- Packaged in tamper-proof patient bags.



Toucan  
 3/16" (4.8 mm)  
 Light, 2.5 oz

**Smile Safari™ Intraoral Elastics Chart**

	Light - 2.5 oz	Medium - 4.5 oz	Heavy - 6.5 oz
1/8"	 <b>Giraffe</b> 1/8" (3.2 mm) Light 2.5 oz	 <b>Chimpanzee</b> 3/16" (4.8 mm) Medium 4.5 oz	 <b>Python</b> 1/4" (6.4 mm) Heavy 6.5 oz
3/16"	 <b>Toucan</b> 3/16" (4.8 mm) Light 2.5 oz	 <b>Zebra</b> 3/16" (4.8 mm) Medium 4.5 oz	 <b>Elephant</b> 3/16" (4.8 mm) Heavy 6.5 oz
1/4"	 <b>Gazelle</b> 1/4" (6.4 mm) Light 2.5 oz	 <b>Lion</b> 1/4" (6.4 mm) Medium 4.5 oz	 <b>Rhino</b> 1/4" (6.4 mm) Heavy 6.5 oz
5/16"	 <b>Leopard</b> 5/16" (7.9 mm) Light 2.5 oz	 <b>Gorilla</b> 5/16" (7.9 mm) Medium 4.5 oz	 <b>Hippo</b> 5/16" (7.9 mm) Heavy 6.5 oz
3/8"	 <b>Vulture</b> 3/8" (9.4 mm) Light 2.5 oz	 <b>Warthog</b> 3/8" (9.4 mm) Medium 4.5 oz	 <b>Crocodile</b> 3/8" (9.4 mm) Heavy 6.5 oz

<b>NEON – PREPACKAGED INTRAORAL ELASTICS: 1 BOX (APPROX. 100 ELASTICS PER BAG • 50 BAGS PER BOX)</b>					
DIAMETER SIZE – INCH	1/8"	3/16"	1/4"	5/16"	3/8"
DIAMETER SIZE – MM (PASSIVE)	3.2 MM	4.8 MM	6.4 MM	7.9 MM	9.4 MM
Bag Color	Purple	Green	Red	Blue	Orange
Medium (4½ oz)	401-041S Chimpanzee	401-042S Zebra	401-043S Lion	401-044S Gorilla	401-045S Warthog



- Assorted neon colors in each bag: red, purple, green, and orange.
- Packaged in tamper-proof patient bags.



Lion  
 1/4" (4.8 mm)  
 Medium, 4.5 oz

<b>CRYSTAL CLEAR – NON-LATEX, PREPACKAGED INTRAORAL ELASTICS: 1 BOX (APPROX. 100 ELASTICS PER BAG • 50 BAGS PER BOX)</b>					
DIAMETER SIZE – INCH	1/8"	3/16"	1/4"	5/16"	3/8"
DIAMETER SIZE – MM (PASSIVE)	3.2 MM	4.8 MM	6.4 MM	7.9 MM	9.4 MM
Bag Color	Purple	Green	Red	Blue	Orange
Medium (4½ oz)	401-061S Chimpanzee	401-062S Zebra	401-063S Lion	401-064S Gorilla	401-065S Warthog



- Made from special material that is tasteless, odorless, and non-staining.
- Great for aesthetic brackets.
- Perfect for material-sensitive patients.
- Packaged in tamper-proof patient bags.



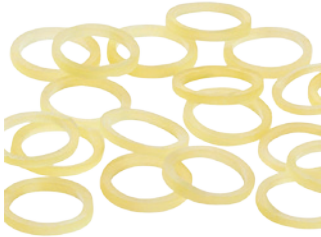
Warthog  
 3/8" (9.4 mm)  
 Medium, 4.5 oz

Please Note: There may be traces of cornstarch in packages of elastics. Cornstarch is used to reduce moisture in the packaging. The cornstarch is harmless. Please notify your patients accordingly.



# PREPACKAGED INTRAORAL/EXTRAORAL ELASTICS

## ELASTIC BULK PACKS


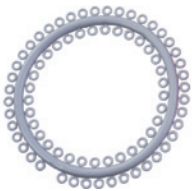

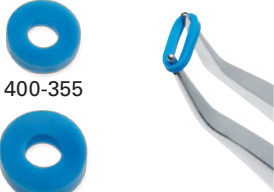





ELASTIC BULK PACKS: AMBER – MINIMUM ORDER – 1 BAG (APPROX. 10,000 ELASTICS PER PACKAGE)					
DIAMETER SIZE – INCH	1/8"	3/16"	1/4"	5/16"	3/8"
DIAMETER SIZE – MM (PASSIVE)	3.2 MM	4.8 MM	6.4 MM	7.9 MM	9.4 MM
Light (2½ oz)	408-020	408-030	408-040	408-050	408-060
Medium (4½ oz)	408-021	408-031	408-041	408-051	408-061
Heavy (6½ oz)	408-022	408-032	408-042	408-052	408-062

- Approx. 10,000 elastics per master package, minimum order is one master package.
- Low cost bulk pack amber-colored elastics for the office that prefers to package their own bags.
- Packaged in an easy to use zip top bag.


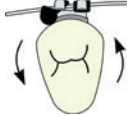


ITEM	DESCRIPTION	CATALOG NO.
	<p><b>Extraoral Elastics</b> Amber colored, strong elastics for use with the face mask. 1000 per pack.</p>	<p><b>408-073 •</b> <b>½" Bulk Elastics (8 oz)</b></p> <p><b>408-074 •</b> <b>½" Bulk Elastics (16 oz)</b></p>
	<p><b>Elastic Attachers™</b> Simplifies placement and 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.</p>	<p><b>402-011 •</b> <b>100 per pack</b></p> <p><b>402-010 •</b> <b>250 per pack</b></p>
	<p><b>Glow Elastic Attachers</b> The same design as our regular elastic attachers, but will glow bright after being exposed to direct light. 100 per pack.</p>	<p><b>402-011G</b></p>
	<p><b>Smile Safari Elastics Box Dispenser</b> Sturdy, clear acrylic rack holds four Smile Safari Elastics Boxes for easy dispensing. Rack can be placed on tabletop or mounted on the wall. (Holds 4 boxes). 13½" L x 4¼" W x 10" H</p>	<p><b>402-012S</b></p>

## SEPARATING ELASTICS

ITEM	DESCRIPTION	CATALOG NO.
	<p><b>Stick Separators – Non-Latex</b> Designed with smooth round edges that make them easier to insert between teeth. Made of radio opaque material and are conveniently molded on sticks for easy handling.</p> <p>10 separators per stick, pack of 25</p>	400-356
	<p><b>Standard Separators – Non-Latex</b> Gray, donut-style separators can be used for anterior or posterior separation. Placed between the teeth, they exert gentle continuous force. For best results use the Deluxe Elastic Separating Pliers • 200-407D.</p> <p>760 per pack</p>	400-351
	<p><b>Dumbbell Separators – Non-Latex</b> 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.</p> <p>100 per pack</p>	400-360
 <p>400-355</p> <p>400-355L</p> <p>200-407D</p>	<p><b>Single Separators – Non-Latex</b> 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.</p> <p>1000 per pack</p>	<p>400-355 • Blue Regular</p> <p>400-355L • Blue Large</p> <p>200-407D • Recommend Deluxe Elastic Separating Pliers</p>
	<p><b>“K” Modules – Non-Latex</b> Designed for intraoral use to bring elements together with resilient force. They may be attached to lingual buttons, cleats, brackets, or hooks.</p> <p>Gray, 100 per pack</p>	<p>400-310 • K-0 Modules (12.7 mm)</p> <p>400-312 • K-2 Modules (20.3 mm)</p>
	<p><b>Safe-T-Separators – Non-Latex</b> Safe-T-Separators have knobs on either side of each ring. They extend beyond the interproximal area out past the gingiva. The knobs 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).</p>	<p>400-352 • Purple Standard</p> <p>400-353 • Blue Slim</p> 


ELASTOMERICS

**ROTATION WEDGES/DISPENSER SYSTEM**

ITEM	DESCRIPTION	CATALOG NO.
	<p><b>Rotation Wedges – Standard – Non-Latex</b>                      A preformed tab is perforated to lock in place on one set of tie wings of a twin bracket. The wedge portion allows the necessary fulcrum between wire and bracket for efficient rotation.                       100 per pack</p>	<p>400-300 •                      Gray                       400-301 •                      Clear</p> 
	<p><b>Rotation Wedges – Delta Force &amp; Carriere – Non-Latex</b>                      Specially designed for use with our Delta Force Low-Friction Brackets or Carriere Self-Ligating Brackets. These wedges have a larger opening to anchor directly to the bracket. They easily fit around the entire perimeter of irregularly shaped brackets.                       50 per pack</p>	<p>400-302 •                      Silver                       400-303 •                      Clear</p> 

ELASTOMERICS

**DISPENSER SYSTEM**

ITEM	DESCRIPTION	CATALOG NO.
	<p><b>Force System Dispenser</b>                      Save valuable time with our convenient chairside dispenser for springs, elastics, and other auxiliaries. Made of lightweight, white pebble grained material.                       16 1/8" L x 9 1/2" W x 2" H</p>	<p>420-000</p>

