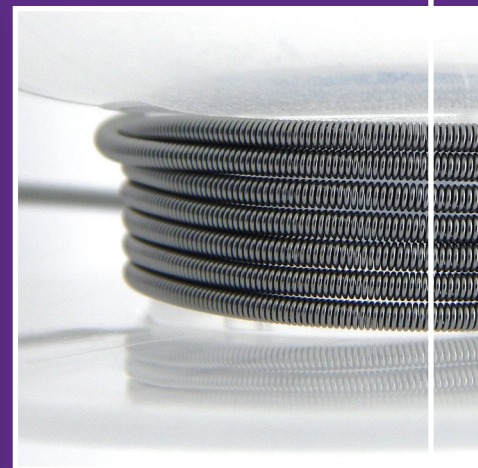
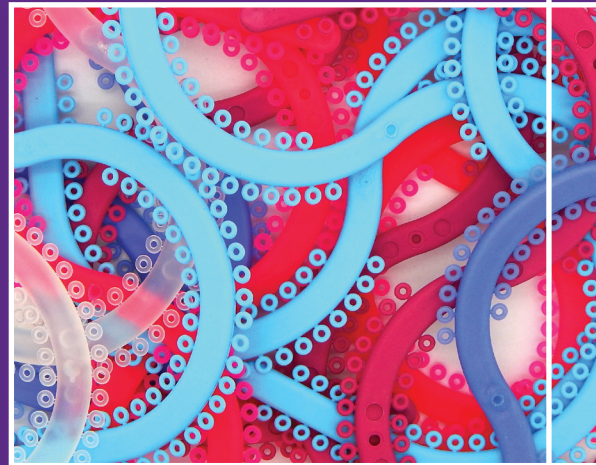


CATALOG

2020



Simply Great Wire. Great prices.



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## SuperElastic NiTi Arches

**SuperElastic NiTi Arches** are our best-selling product. They feature light, continuous, force levels for more efficient tooth movement with maximum patient comfort. The light, comfortable forces generated by our austenitic, bendable NiTi arches remain constant during tooth movement, reducing chair time with fewer wire changes.

**100/pack**  
Round & Rectangular

### Round

.010 .012 .014 .016 .018 .020

### Rectangular

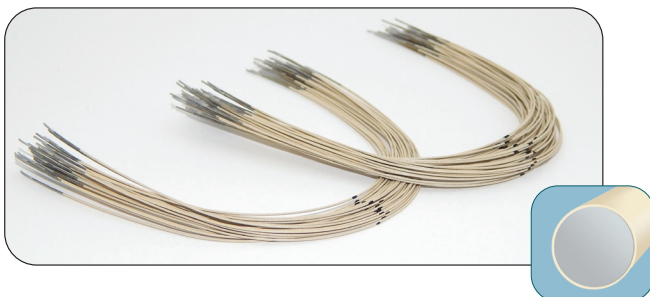
.014 x .025  
.016 x .016 .016 x .022 .016 x .025  
.017 x .017 .017 x .025  
.018 x .018 .018 x .025  
.019 x .025  
.020 x .020  
.021 x .025

## Tooth-Colored SuperElastic NiTi Arches

**25/pack**  
Round & Rectangular

<b>Round</b>	<b>Rectangular</b>
.016 .018	.016 x .022 .019 x .025

Available only in Natural and Progressive arch forms.



## Heat-Activated NiTi Arches

**Heat-Activated NiTi Arches** feature lower force levels than our SuperElastic NiTi, ensuring maximum patient comfort while delivering efficient tooth movement. Soft and pliable at room temperature, our copper-free, easy to engage Heat Activated NiTi reacts to heat in the patient's mouth, exerting a gentle, continuous force as it returns to its original shape for superior treatment results. Gentle force delivery allows larger wires to be engaged earlier in treatment for early torque control with minimum patient discomfort. For example: .016 x .022 Heat Activated NiTi arch has approximately the same force as .016 SuperElastic NiTi arch. Austenitic start temperature -86°F/30°C ± 5°.

**100/pack**  
Round & Rectangular

### Round

.014 .016 .018 .020

### Rectangular

.014 x .025  
.016 x .016 .016 x .022 .016 x .025  
.017 x .025  
.018 x .018 .018 x .025  
.019 x .025  
.020 x .020  
.021 x .025





### SuperElastic NiTi Lingual Arches

**Lingual Arches** are ideal for patients who want to improve their smile without the obvious appearance of braces. Our lingual arch combines the aesthetics and comfort of removable aligners with the maximum control of a fixed appliance for more efficient tooth movement. Unlike traditional wires, lingual arches are custom-fit to the patient for maximum comfort.

**5/pack**  
Round & Rectangular

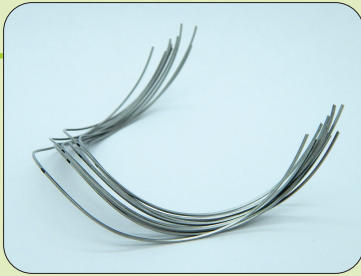
<b>Round</b> .012 .014 .016 .018	<b>Rectangular</b> .016 x .022
-------------------------------------	-----------------------------------

### NiTi Reverse Curves

**Niti Reverse Curves** combine the light, continuous force levels of SuperElastic NiTi with the benefits of a reverse curve. Counter unwanted tooth movement while maintaining arch consolidation and expansion. Available in Natural and Progressive forms only.


**10/pack**  
Round & Rectangular

Upper and Lower only

<b>Round</b> .014 .016 .018 .020	
<b>Rectangular</b> .016 x .016 .016 x .022 .017 x .025 .018 x .018 .018 x .025 .019 x .025 .021 x .025	

### Heat-Activated Reverse Curves

**10/pack**  
Round & Rectangular

<b>Round</b> .016 .018	Available in: Progressive and Natural forms only  Upper and Lower only	
<b>Rectangular</b> .016 x .016 .016 x .022 .017 x .025 .018 x .025 .019 x .025 .021 x .025		

### NiTi on a Spool



**Regular Force NiTi** on a spool features superior shape memory and can be formed into custom arches. It comes off the spool arrow-straight and many practitioners like to use it as initial arch wire; using a smaller diameter wire for this application to avoid molar expansion. Once 8% strain has been exceeded it can be formed into an arch.



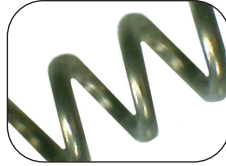
**Quantity**  
1) 15' spool

**Size**  
.012, .014, .016, .018, .020

## NiTi Open Coil Springs

### NiTi Open Coil Springs

Open and maintain space with constant, gentle force. Coils are compressed when loaded, exerting continuous unloading forces as they return to their original length to create and maintain space.



**To use:**

1. Cut coil spring to desired length
2. Thread coils around an arch wire between 2 brackets

**Quantity**

3x7" lengths/pack or 21" spool

**Size**

.010 x .030 .012 x .030 .012 x .036

## NiTi Stop Wound Springs

### NiTi Stop Wound Springs

Easily distalize molars without the use of headgear, for maximum patient comfort. Coils are compressed when loaded, exerting continuous unloading forces against the molars to tip and move them in the right direction.



**To use:**

1. Cut in between closed coils to desired length
2. Attach a ligature wire piece and hook onto bracket

**Quantity**

3x7" length

**Per pack**

\$44.91

**Best Discount**

**25% Savings**

**Per pack**

**\$33.68**

**Size**

.010 x .036 .010 x .045

## NiTi Closed Coil Eyelet Springs

### NiTi Closed Coil Eyelet Springs

Easily and effectively close space. Custom-designed stainless steel eyelets are securely attached to each end for easy attachment. Coils are extended when loaded, exerting retraction forces to effectively close or maintain space. **Now available in High Force.**



**To use:**

1. Attach the springs using the eyelets or by looping a small ligature wire through the eyelet
2. Hook onto bracket

**Quantity**

Pkg. of 10, Super Elastic

**Size**

9mm and 12mm lengths

## NiTi Closed Coil Springs

### NiTi Closed Coil Springs

Comfortably and effectively close space with ease.



**To use:**

1. Cut coil spring to desired length
2. Attach a ligature wire piece to each end
3. Hook onto bracket

**Quantity**

1) 21" spool

**Size**

.007 x .030 .008 x .030 .009 x .030

### Stainless Steel Arches

Our popular **Stainless Steel Arches**, made from the highest quality 304V Vacuum Arc Remelted (VAR) stainless steel, combine superior strength and stiffness with advanced flexibility, allowing them to accept bends without breaking.

**100/pack**  
Round & Rectangular

---

**Round**  
.012 .014 .016 .018 .020

---

**Rectangular**  
.016 x .016 .016 x .022 .016 x .025  
.017 x .017 .017 x .025  
.018 x .018 .018 x .025  
.019 x .025  
.020 x .020  
.021 x .025

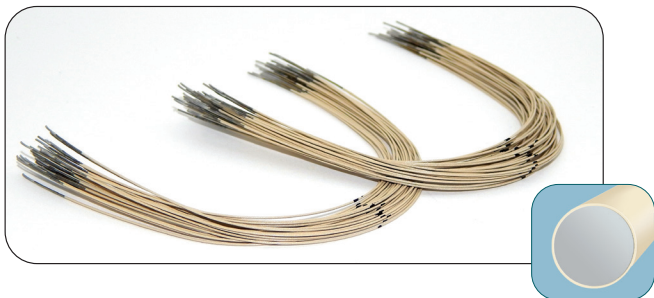
### Tooth-Colored Stainless Steel Arches

**50/pack**  
Round & Rectangular

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<b>Round</b> .016 .018	<b>Rectangular</b> .016 x .022 .019 x .025
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Available only in Natural and Progressive arch forms.



### High Tensile Stainless Steel Arches

**High Tensile Stainless Steel Arches** have advanced strength and stiffness providing 8-10% more force than our regular stainless steel arches, making them ideal for space closure, arch expansion and finishing applications.

**100/pack**  
Round & Rectangular

---

**Round**  
.012 .013 .014 .016 .018 .020

---

<b>Rectangular</b> .016 x .016 .016 x .022 .017 x .025 .018 x .018 .018 x .025 .019 x .025 .021 x .025	<b>Available in:</b> Progressive and Natural Upper and Lower only for: .012 Progressive .013 Natural and Progressive .018 x .018 Progressive
---	---

### 8-Strand Braided Stainless Steel Arches

**8-Strand Braided Stainless Steel Arches** are easy to engage for early leveling and alignment. They offer great slot fill for early torque control, which is ideal for settling and finishing applications. You can easily transition from round to rectangular wire for faster, more efficient treatment results.

**10/pack**  
8-Strand

---

**8-Strand sizes**  
.016 x .016 .016 x .022 .017 x .025 .018 x .025  
.019 x .025 .021 x .025

Available in Natural only Upper and lower only

### Stainless Steel Lingual Arches

**Stainless Steel Lingual Arches** are offered in Universal Arch Form, with no pre-made molar offsets, giving you the freedom to create your own offsets. Our Lingual Arches are ideal for patients who want to improve their smiles without the obvious appearance of braces.

**10/pack**  
Round & Rectangular

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**Round**  
.014 .016 .018

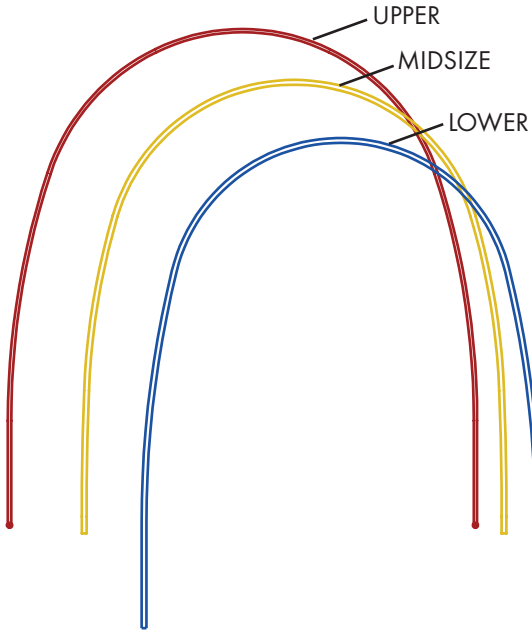
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**Rectangular**  
.016 x .016 .016 x .022 .017 x .025 .018 x .025

Archforms pictured are actual size

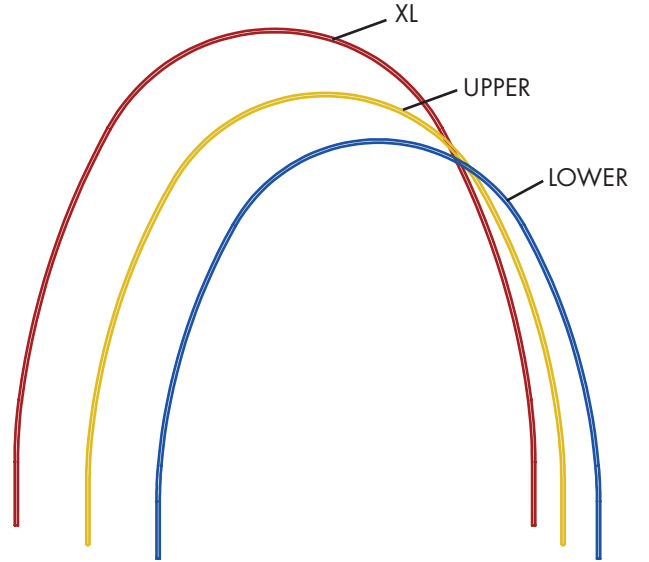
## NATURAL NITI

MBT<sup>1</sup> SQUARE AND ROTH<sup>2</sup> COMPATIBLE



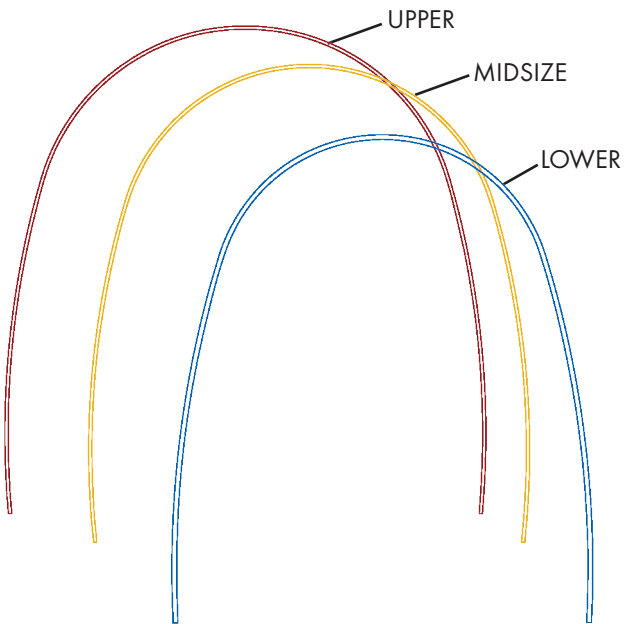
## PROGRESSIVE NITI

PROGRESSIVE XL IS DAMON<sup>®</sup> COMPATIBLE<sup>3</sup>



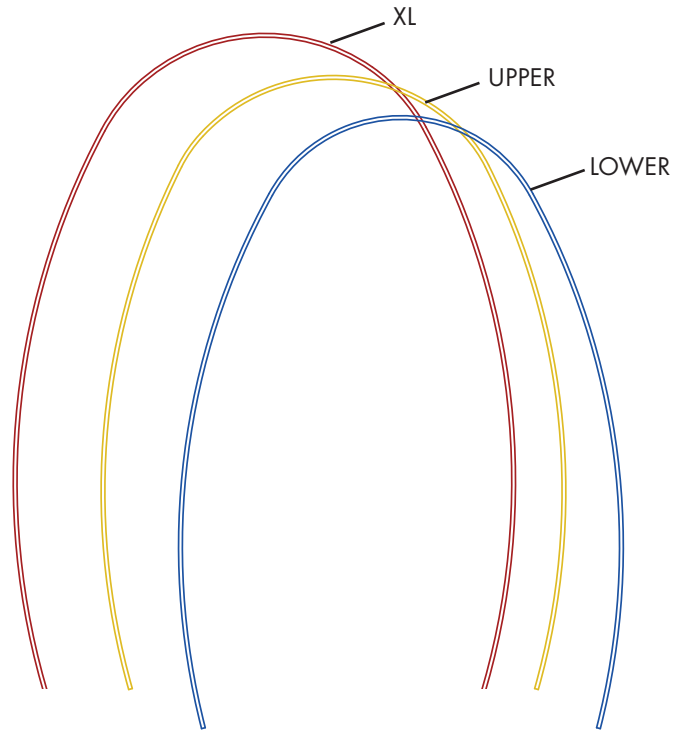
## NATURAL STAINLESS STEEL

MBT<sup>1</sup> SQUARE AND ROTH<sup>2</sup> COMPATIBLE



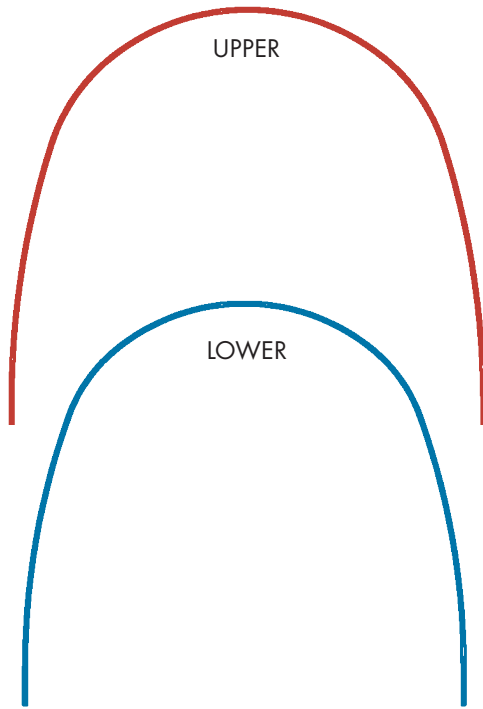
## PROGRESSIVE STAINLESS STEEL

PROGRESSIVE XL IS DAMON<sup>®</sup> COMPATIBLE<sup>3</sup>



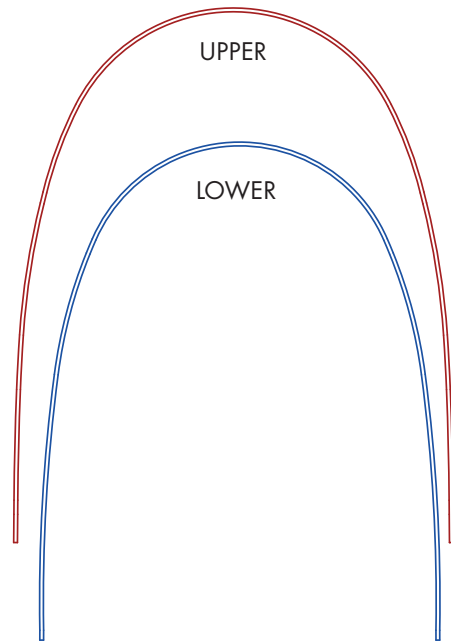
Archforms pictured are actual size

**BROAD NITI**

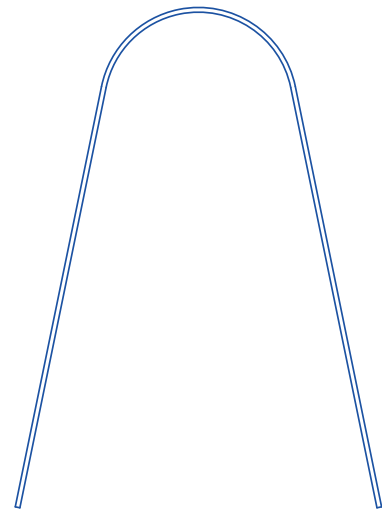


**YOUTH**

MBT\*\*\* OVOID COMPATIBLE.



**LINGUAL UNIVERSAL**



**Stainless Steel & Beta Titanium**

**Permanent Electro-Etched Midlines**

Upper	3 marks
Lower	1 mark
Progressive XL	2 marks
Natural Mid-size	2 marks

**NiTi**

**Ink Midlines**

Upper	Black
Lower	Red
Progressive XL	Blue
Natural Midsize	Yellow

<sup>1</sup> MBT is a trademark of 3M Unitek Corporation.

<sup>2</sup> Highland Metals prescriptions are not implied to be an exact version of any other system. Nor do we claim any endorsement by the doctor.

<sup>3</sup> Highland Metals is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon. (Damon and Damon SL are trade names for SDS, Ormco, and Sybron Dental Specialties)

Visit [www.highlandmetals.com](http://www.highlandmetals.com)  
for more available arch forms.

## Beta Titanium Molybdenum Arches

### Beta Titanium Molybdenum Arches

are carefully processed and made from high quality Nickel-Free Beta Titanium 3. The force levels fall between Nickel Titanium and Stainless Steel. Beta Titanium Molybdenum wire is the preferred choice when the forces of Stainless Steel are too high and the force levels of Nickel Titanium are too low. With half the force, but twice the working range of Stainless Steel, you can introduce larger wires earlier for superior torque control with minimum patient discomfort.

### Nickel-Free Beta Titanium 3

Easy to bend, but hard to break!

25/pack  
Round & Rectangular

Round  
.016 .018

Rectangular  
.016 x .016  
.016 x .022  
.017 x .025  
.018 x .025  
.019 x .025  
.021 x .025

Available in Progressive,  
Natural and Youth arch forms



## Beta Titanium Molybdenum Straight Lengths

The superior formability, high springback and light continuous force levels of our **Beta Titanium Molybdenum Straight Lengths**, allows you to easily form retainers, sectionals, auxiliaries and custom appliances where intricate loops and bends are needed.

- Use rectangular lengths for early torque control
- High formability and breakage resistance
- Available in 14" straight lengths

25/tube  
Round & Rectangular

Round .016 .018

Rectangular  
.016 x .016 .016 x .022  
.017 x .025  
.018 x .025  
.019 x .025  
.021 x .025

## Beta Titanium Molybdenum Lingual Arches

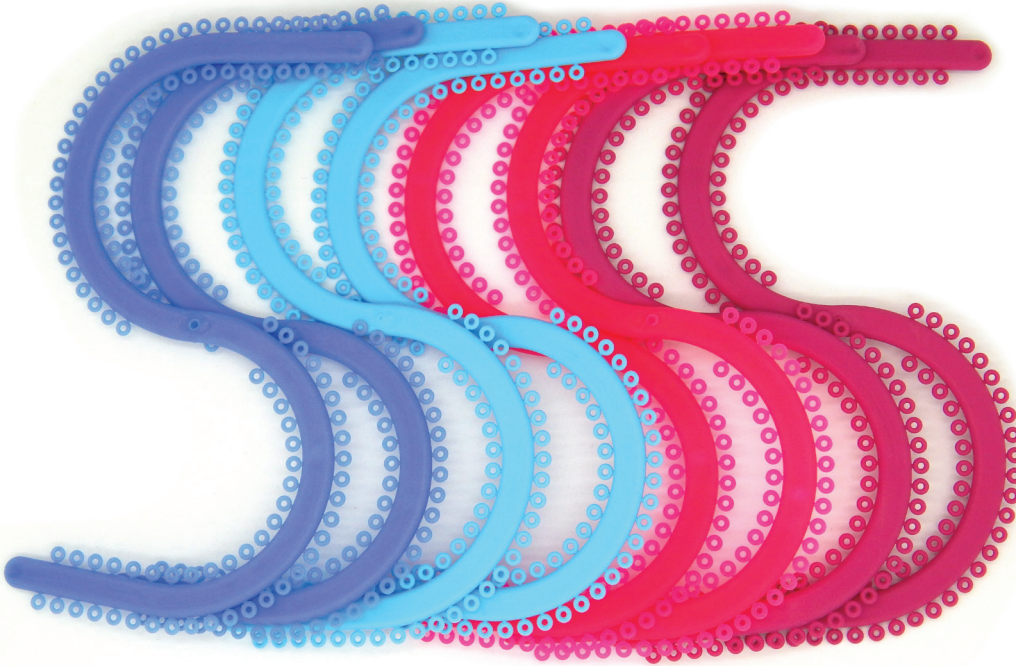
**Beta Titanium Molybdenum Lingual Arches** are carefully made from high quality Nickel-Free Beta Titanium 3. It combines aesthetics and comfort of removable aligners with the maximum control of a fixed appliance for faster, more efficient tooth movements.

5/pack  
Round & Rectangular

Round .016

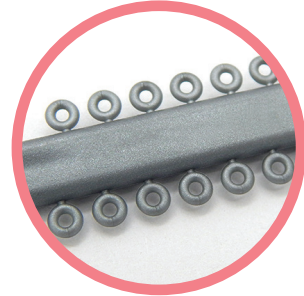
Rectangular  
.016 x .022 .017 x .025





Quantity  
Pkg. of 10 S-Ties

 MADE IN THE U.S.A.



## S-Tie Elastomeric Ligature Ties

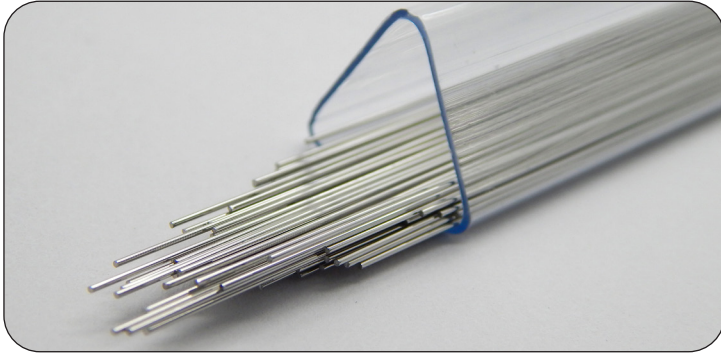
Highland Metals offers more than metal.

Highland Metals is known for providing our customers with quality wire in bulk packaging and bulk discounts. And now, we are bringing that same focus to our line of ligature ties.

Our S-Tie ligature ties are –

- Made in the U.S.A. from quality sourced raw materials, just like our wires
- Available in 25 colors
- Optimum size ties - .120 diameter
- Bulk Design – S-shaped design to hold 100 ties per unit
- 10 units per package, 1,000 ties total
- Latex-free

	Clear		Pink		Neon Green		Pearl Blue
	White		Fuchsia		Pearl Green		Royal Blue
	Pearl		Lavender		Turquoise		Deep Sky Blue
	Glow		Ruby Red		Green		Navy Blue
	Fluorescent Orange		Metallic Red		Sky Blue		Metallic Silver
	Orange		Maroon		Glow Blue		Black
	Fluorescent Pink						



### **Stainless Steel Straight Lengths**

**Stainless Steel Straight Lengths** combine superior strength and stiffness with excellent flexibility - perfect for your custom wire-forming needs. Made from high quality 304V Vacuum Arc Remelted (VAR) Stainless Steel, this alloy is very easy to work with and will accept loops and bends without breaking.

**100/tube**  
Round & Rectangular

**Round**  
.012 .014 .016 .018 .020

**Rectangular**  
.016 x .016 .016 x .022 Available in 14" lengths  
.017 x .017 .017 x .025  
.018 x .018 .018 x .025  
.019 x .025  
.020 x .020  
.021 x .025



### **Round Retainer Wire**

**Round Retainer Wire** is made of Stainless Steel and has excellent formability, making it easy to shape your custom retainer appliances.

- Can be heat treated to increase elasticity
- Available in 14" lengths
- Smooth, bright finish

**100/tube**  
Sizes  
.028, .030, .032, .036



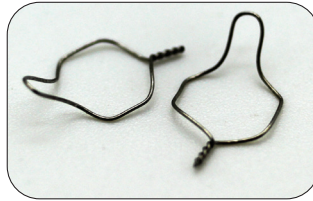
### **SS Ball Clasps**

**Ball Clasps** are used for cases that require more retention. The knob like wire tip is to engage the undercut usually found between two adjacent back teeth.

**100/pack**  
Sizes  
.024, .028, .032, .036, .040

## Pre-formed Ligature Wires

**Pre-formed Ligature Wires** are made from high quality, ductile Stainless Steel for superior formability. These wires are conveniently pre-formed for quick and easy placement over brackets. Short pre-formed, pre-twist ligature wires feature convenient pre-twisted ends, saving you valuable time.



Pre-formed, Pre-twist shown

### Quantity

Short Pre-formed, pre-twist (1000) size .010  
 Long, pre-formed (1000) size .009, .010, .012  
 Long, pre-formed (500) size .014

## Ligature Wires

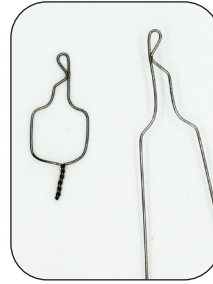
**Ligature Wires** are indispensable supplies for any dental laboratory. Our 1lb spools are easy to store, made from quality ductile Stainless Steel, and provide superior formability for quick and easy placement. (*Extra freight charges may apply*).

### Quantity

1) 1lb spool

**Sizes:** .009, .010, .012, .014

## Kobayashi Hooks



**Kobayashi Hooks** are spot-welded to form a secure hook. Made from highly ductile soft Stainless Steel. These pre-formed hooks quickly and easily attach to brackets, springs or elastics.

**Short Pre-twist Kobayashi Hooks** have been pre-trimmed and feature pre-twisted hooks for even faster tie-ins.

### Quantity

Long & Short 100

**Sizes:** .012, .014

**Call to request a sample wire!**  
 (888)373-6003 or  
 +1(408)271-2955



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European Community Certification registration mark appears on all Highland products for easy clearance through customs.



We are proud to manufacture our products in the U.S.A.

For health and safety information go to [www.highlandmetals.com/health-safety](http://www.highlandmetals.com/health-safety)



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Franklin, IN 46131 USA



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with simple packaging  
and bulk discounts.**

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a sample wire!**  
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