

G&H[®] Wire Company



 *The Essentials of a Beautiful Smile*

Orthodontic Products Catalog, 10th Edition

Orthodontic Products



Manufacturer
World Supplier
and Innovator
www.ghwire.com

Welcome!

We are pleased to present to you the new 10th edition of our catalog. G&H® has a dynamic and ever evolving product line. Our dedication to developing new products expands your treatment choices for improved clinical results.

Product introductions in this edition include DYB™ archwires designed to expand the arch and translate torque simultaneously. New practice support products include Private Logo Elastics which feature your practice information on each patient pack. Other new product ideas and choices are presented throughout the catalog.

We appreciate the opportunity to serve the orthodontic profession and to be a supplier to your practice.

Order / Contact Information



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Toll-Free - US/Canada:
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International/Toll:
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317-346-6663



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ghmail@ghwire.com



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www.ghwire.com



*Ordering from our website is fast, easy and secure
and is available at your convenience 24/7!*

www.ghwire.com

G&H® Wire Company

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Franklin, IN 46131 U.S.A.

*Order Form printed on page 91 of this catalog
may be photocopied and faxed for ordering.*



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Follow us on Twitter!

PRICING

Product pricing is available online by logging onto our website with your customer number and password. Placing items in the shopping cart will display the price of the product. Or, you can call us at 1-800-526-1026 during our regular office hours and our customer service representatives will be happy to assist you.

ORDERING

G&H® maintains a toll-free phone line, 24-hour fax service and e-mail service for our customers' convenience. G&H® products may also be ordered from our secure website quickly and easily 24/7. The site contains our catalog as well as technical data and product updates. Our hours of operation are 8:00 a.m. to 5:00 p.m. (EST), Monday through Friday. G&H® processes all orders the same day order is placed, barring special circumstances.

PAYMENT

Options: Net 30 days, upon approval. Past due balances may be charged 1.5% per month finance charge at the sole discretion of G&H®. G&H® accepts Mastercard and VISA for any purchase. When using credit cards, please provide complete name, card number and expiration date. We request a minimum order of US \$25.00 to help keep processing costs down.

SHIPPING

G&H® offers shipping via UPS. All shipping is billed with the order. Alternate shipping services are available—please call for more information.

RETURNS

G&H® warrants all materials and workmanship to be free from defects. Products must be returned within 90 days from date of purchase and must be returned in original packaging and in resalable condition. G&H® reserves the right to final determination as to acceptance of product for exchange or credit. Restock fees may apply. Prior to the return of any merchandise, please contact G&H® Customer Service for a return authorization number.

G&H® Wire Company reserves the right to modify or discontinue all offers at any time without notice.

G&H and OrthoForce are registered trademarks of G&H Wire Company, Inc.

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Have Questions?



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Website

www.ghwire.com



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G&H® OrthoForce®

Wire Alloys, Archforms, Accessories

www.ghwire.com



Wire Performance Characteristics

Using an archwire without knowing its performance characteristics would be like using brackets with unknown prescription values. Selecting wire products with known qualities gives you the ability to apply force with quick, gentle and expedient results. As a wire manufacturer, G&H® maintains total control of all material specifications and production processes. By applying internationally recognized quality standards in our production processes we can consistently deliver world class quality to our customers.

G&H® Wire Company's extensive wire inventory makes available multiple options for every application. Make informed decisions using our unique performance documentation; it guides you in selecting the most efficient options.

Formulate wire progression based on your ideal treatment objectives: systematically maintain, increase or reduce applied force over various ranges of activation. Use our performance documentation to create your own patient-specific custom techniques.

Our performance graphing is available in a convenient wall poster for quick reference. All performance information provided is applicable only to G&H® brand wires and is neither intended to represent the wires offered by other orthodontic companies nor accurate for their products. In our analysis of other wire manufacturers products, we are certain that our documented wire performance is unique and no others match our data consistently.

Archwire Storage Box

Durable laminated storage box is available for bulk wire packaging and Solo-Pack® packaging. Includes 10 dividers with preprinted or blank labels for easy wire identification and organization. Please specify preprinted or blank labels. Suitable for countertop display/storage.

Order Information:

Bulk wire box **AWSCSLD**
Solo-Pack® box **AWSCSOD**

Additional Dividers:

Bulk wire box (5/pkg.) **DIVIDESL**
Solo-Pack® box (5/pkg.) **DIVIDESO**



(Bulk wire storage box)



(Solo-Pack® storage box)

Either storage box may be oriented by width or length.



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The G&H® Family of OrthoForce® Archwires



G4™ Nickel Titanium

Available in:

- All Archforms
- Pre-Stopped
- Pre-Torqued
- G4orce™ Triple Force
- Reverse Curve
- Ultraaesthetic™ Tooth-Colored
- Lingual Arches

Page 8-19



BT3™ Beta Titanium

Titanium Molybdenum Alloy*

Available in:

- 5 Archforms
- T-Loop
- Lingual Arches

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G4™ NiTi Reverse Curve

Available in:

- Reverse Curve 1, 2, 3
- Europa II Reverse Curve
- Pre-Torqued Reverse Curve
- Thermal Niti Reverse Curve
- Ultraaesthetic™ Tooth-Colored

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S304VM Stainless Steel

Available in:

- All Archforms
- Ultraaesthetic™ Tooth-Colored
- Lingual Arches

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XR1™ Heat Treated Stainless Steel

Available in:

- All Archforms
- Brass Ball-Post Posted Archwire

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Stainless Steel Multi-Strand Archwires

Available in:

- 2 Archforms
- 3-Strand (twisted)
- Six-Strand (coaxial)
- Seven-Strand (twisted)
- Eight-Strand (woven)

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M5 Heaters™ Thermal Nickel Titanium

Available in:

- All Archforms
- Reverse Curve
- Pre-Stopped
- Lingual Arches

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Stainless Steel Looped Archwires

Available in:

- 2 Archforms
- T-Loop
- Teardrop Loop
- Keyhole Loop - 2 & 4 Loop

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Stainless Steel Posted Archwires

Available in:

- Heat-Treated Archwire with Brass Ball-Post
- Straight Brass Post
- 4 Archwire Shapes

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Ultraaesthetic™ Tooth-Colored

Available in:

- 5 Archforms
- G4™ Nickel Titanium
- Stainless Steel
- Reverse Curve
- Pre-Stopped

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*TMA is a registered trademark of Ormco Corporation

G&H® Archform Options

ARCHFORMS ARE PICTURED FULL SIZE.



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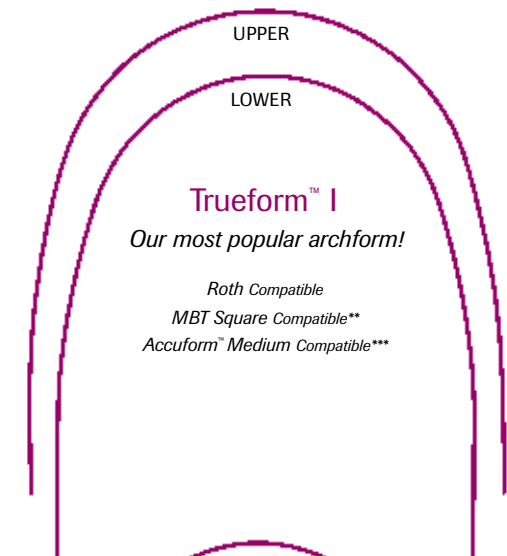
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Website

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UPPER

LOWER

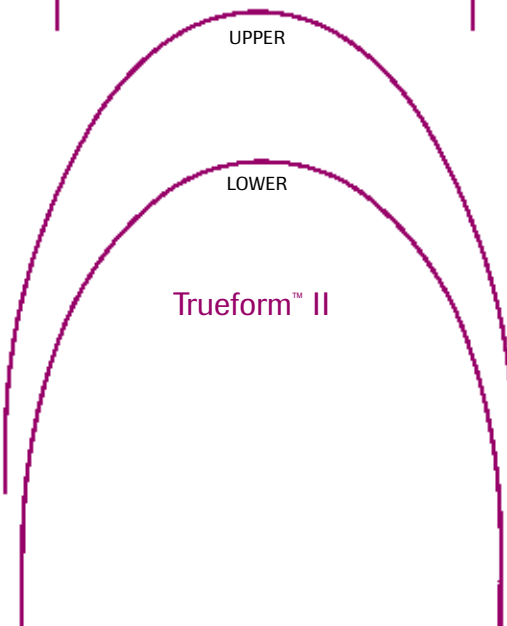
Trueform™ I

Our most popular archform!

Roth Compatible

*MBT Square Compatible***

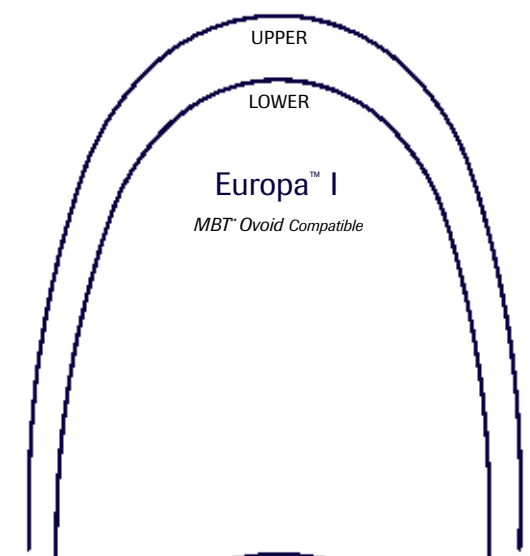
*Accuform™ Medium Compatible****



UPPER

LOWER

Trueform™ II

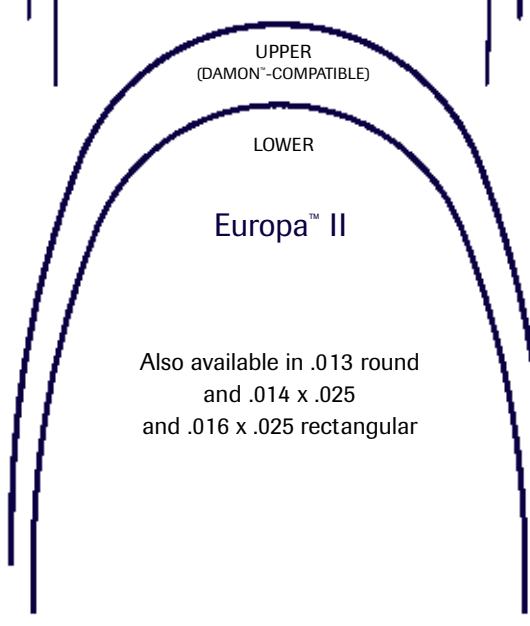


UPPER

LOWER

Europa™ I

MBT™ Ovoid Compatible

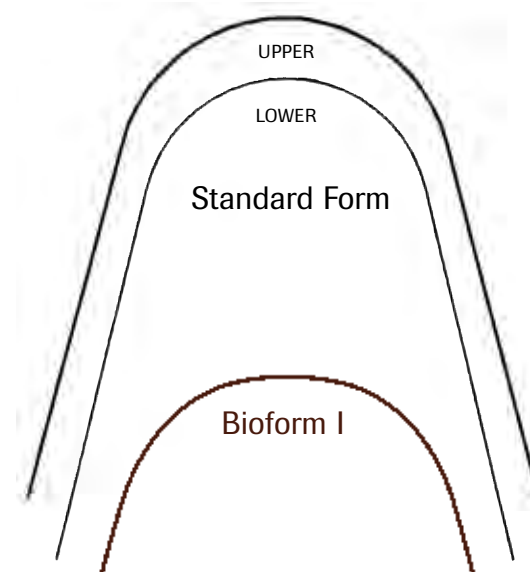


UPPER
(DAMON™-COMPATIBLE)

LOWER

Europa™ II

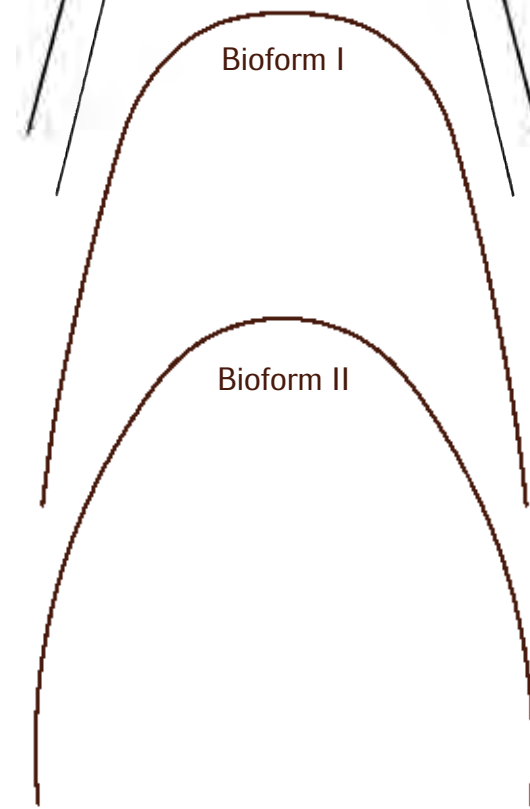
Also available in .013 round
and .014 x .025
and .016 x .025 rectangular



UPPER

LOWER

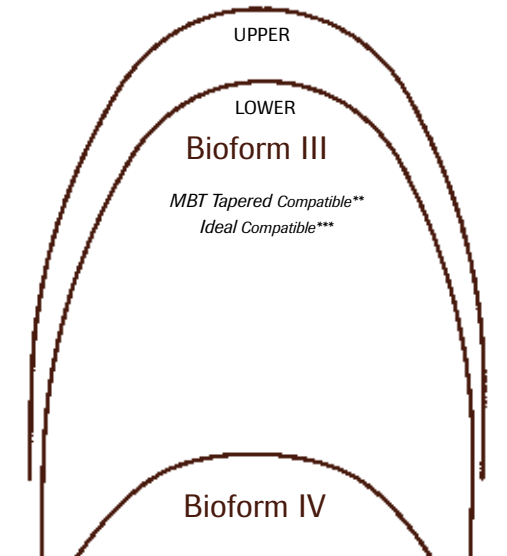
Standard Form



Bioform I

Bioform II

Bioform V



UPPER

LOWER

Bioform III

*MBT Tapered Compatible***

*Ideal Compatible****

Bioform IV

MIDLINE ID

G&H® Archwires are midline-etched for permanent identification: THREE-ETCH LINES for UPPER, ONE-ETCH LINE for LOWER.

Stranded and Tooth-colored arches are ink-midline marked only - Black = Upper, Red = Lower

Note: Australian Arches are ink-midline marked (Blue for Upper and White for Lower) or etched depending on wire color.

Please note: Stainless Steel Archwires may be slightly constricted to compensate for inherent stress relief over time.

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

**MBT is a claimed trademark of 3M Unitek.

***Accuform and Ideal are trademarks of Dentsply GAC International

G&H® Exclusive Archforms

ARCHFORMS ARE PICTURED ACTUAL SIZE. See pages 12-16 for more information on these archforms

DYB™ Archforms
developed by Dr. Duncan Y. Brown
(See pages 12-13)

- 116%** (DYB™ Archform)
- 108%** (DYB™ Archform)
- 100%** Current Europa™II Upper

Platinum Proportion™ Archforms
developed by Dr. Robert Waugh
(See pages 14-16)

- 92%** (Platinum Proportion™ Archform)
- 84%** (Platinum Proportion™ Archform)

Europa™ II
Damon*-Compatible

Trueform™ I
Roth Compatible
MBT Square Compatible**
Accuform™ Medium Compatible***

- 100%** Current Trueform™I Upper
- 92%** (Platinum Proportion™ Archform)
- 84%** (Platinum Proportion™ Archform)

*G&H® Wire and Dr. Waugh are in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon
 **MBT is a claimed trademark of 3M Unitek.
 ***Accuform and Ideal are trademarks of Dentsply GAC International

G&H® Lingual Archform Options

ARCHFORMS ARE PICTURED ACTUAL SIZE. See pages 28 & 29 for more information

Size 1 (Small) Size 2 (Medium) Size 3 (Large)

Upper
Lower

Preformed Lingual Arches
(Shown actual size)

Ex-Large

Large

Medium

Small

Universal Lingual Arches
(Shown actual size)



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Material Science / Scientific Testing

The “clinical expectations” of NiTi wires are **extreme elasticity, consistent force, and shape memory**, all realized over a range of deflection – *G&H® Orthoforce® Archwires deliver these qualities.*

G&H® Wire Company is a recognized leader in manufacturing Nickel Titanium wire products. Continuous and meticulous testing of our wires insure the high standards of performance we guarantee. State-of-the-art stress/strain testing of Nickel Titanium wire is performed employing a three-point deflection test (fig. A) with a load cell probe

impacting a wire and recording the forces throughout the range from deflection to recovery. The test data (force vs. deflection) must validate that each production batch meets our stringent specifications and then is documented and archived on a hysteresis graph (fig. B) for each production batch we manufacture.

How a **Hysteresis Graph** demonstrates if a Niti wire will fulfill the clinical expectations of **elasticity, consistent force** and **shape memory**.

1 Start test – Load cell contacts wire and begins deflection in 37 °C waterbath

2 **Extreme elasticity** shown by the Load Resistance Force (bump in the graph) at 0.6mm deflection

- This wire is active and aggressive as it transitions from the Austenitic (increasing force) to Martensitic (constant force) state

3 **Consistent forces** of Martensitic response

- Engagement forces have “flatlined” at 230g as the wire is deflected from 0.6mm to 2.0mm
- Desired, defined excursion of Martensitic phenomenon (constant force over a large deflection) exhibited represents properties unique to effective Superelastic Niti wire

4 **Extreme elasticity** and **consistent force** shown at 2.0mm deflection

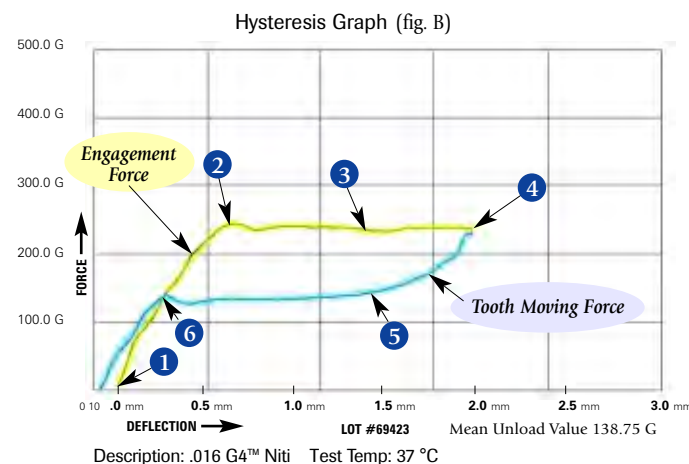
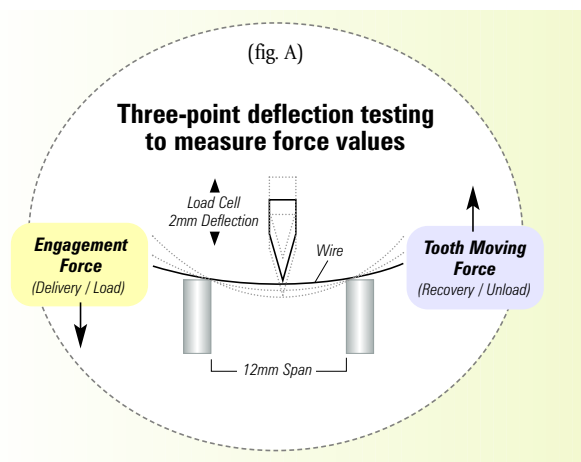
- Peak load force of 230g at 2.0mm deflection is consistent with force levels at the 0.6mm deflection point during engagement
- Transitional rebound shows the wire is active and aggressive as engagement forces cease and recovery forces begin applying tooth moving force

5 **Consistent unload force** as Martensitic state is reentered during recovery

- Tooth moving forces dissipate slightly then stabilize to ensure consistent unload to shape memory – Average unload (tooth moving) force is 138.75g

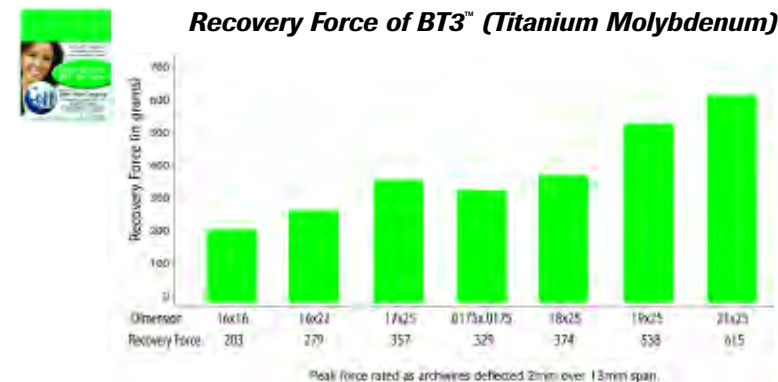
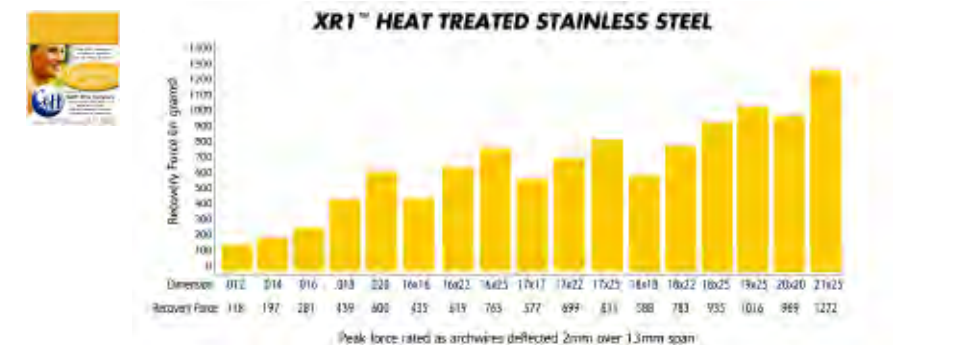
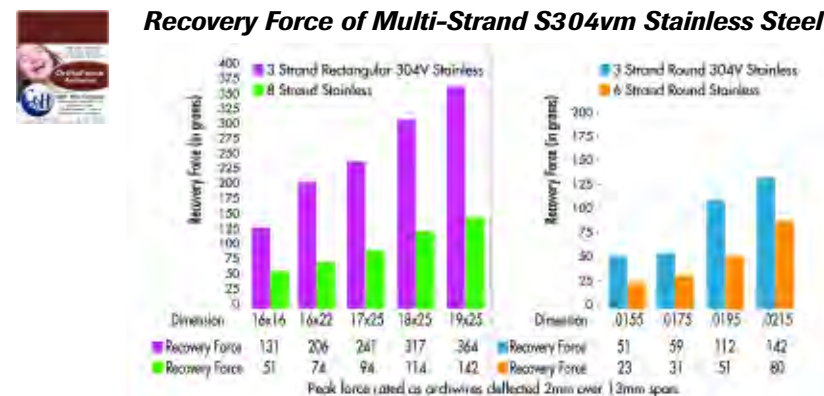
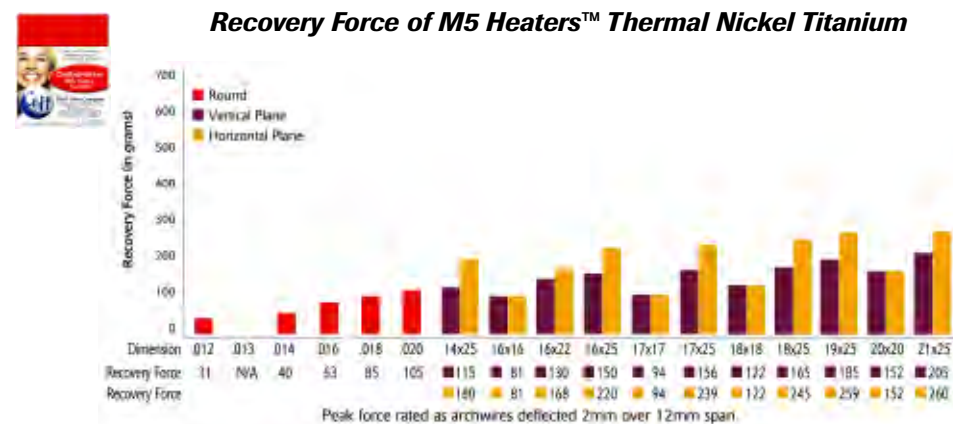
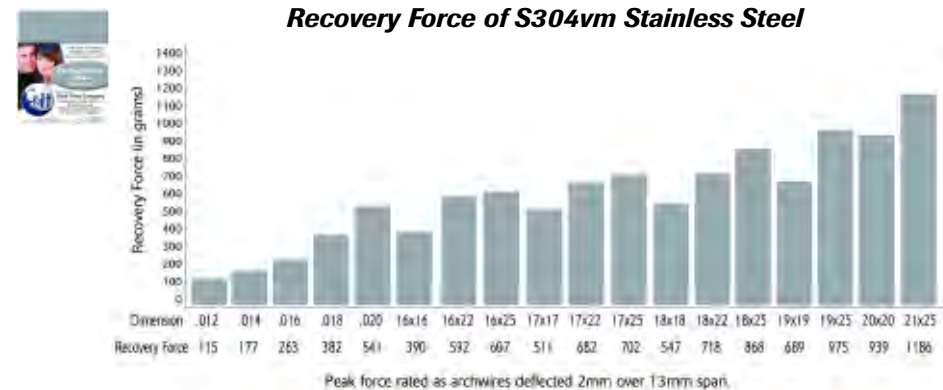
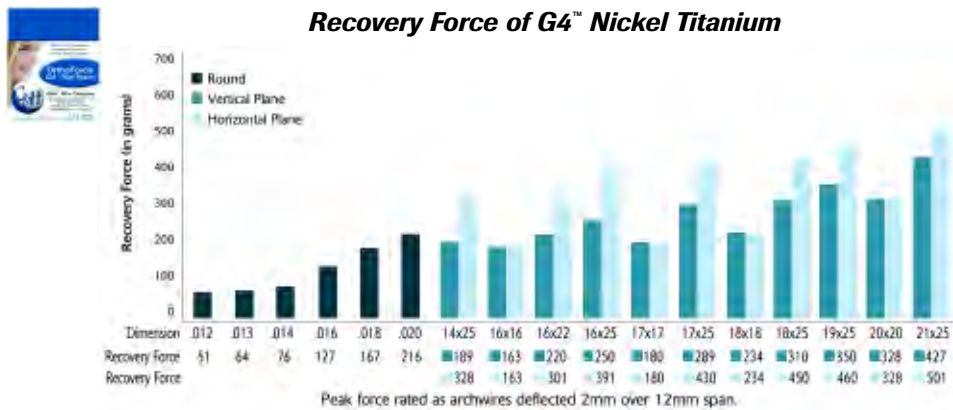
6 **Shape memory** and **elasticity** are expressed

- Full shape memory rebound occurs at 130g ensuring continuity of effective tooth moving forces through complete shape recovery



Force Value Graphs of G&H® OrthoForce® Archwires - Evidence Based Treatment Choices

G&H® tests and evaluates every production run of archwires to ensure they meet our stringent performance standards. All results are relative only to G&H® brand archwires.



G4™ NiTi Archwires

Precision Manufactured By G&H® Wire Company

G4™ Nickel Titanium Archwires



"Finishes what it starts – Remains active to the finish"

What is G4™ NiTi?

G4™ Nickel Titanium Wire is the result of years of research and development by G&H® Wire Company. G4™ NiTi is made possible by the vast experience and expertise that G&H® has developed in working and controlling Nickel Titanium. G4™ NiTi is superior due to refinements and advancements by G&H® in several key areas:

1. **Material Science**
2. **Precision Manufacturing Processes**
3. **Scientific Testing Protocols**

I. G4™ Material Science:

The G4™ Nickel Titanium alloy is unique. G4™ has been exclusively formulated to coordinate with G&H® manufacturing processes to yield consistent specific force, memory and elasticity values.

II. G4™ Manufacturing:

Nickel Titanium is an alloy which is complex to process and form. Very slight variations in a multitude of factors during manufacturing can alter the clinical performance of NiTi wires. The G4™ manufacturing processes; some invented, some developed and others refined by G&H®, make G4™ NiTi distinct from all other NiTi archwires used in Orthodontics.

III. G4™ Testing:

Only scientific testing of a NiTi wire can determine its actual working characteristics. G4™ NiTi archwires undergo intense scientific testing during and after the manufacturing process: Each production lot of G4™ wire undergoes 14 separate quality tests during manufacturing. Every G4™ wire then undergoes a 28-point 100% final inspection before packaging. All G4™ wires successfully pass all testing so that performance characteristics can be guaranteed.

*G4™ Now in all archforms
(See pages 4 & 5 for full-size archform charts)*

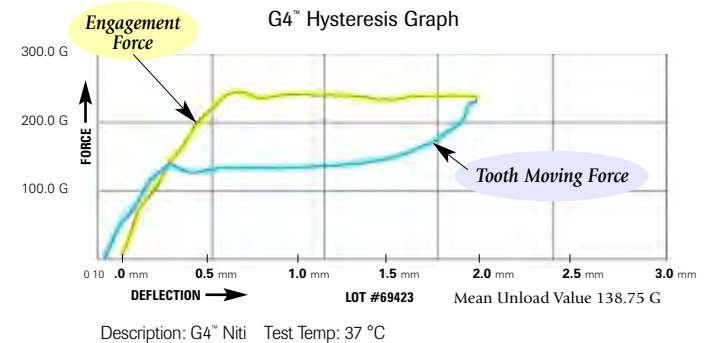


G4™ NiTi Archwires are available in:

- Single pack or bulk
- Optional Preloaded Stops
- Tooth-Colored Ultraesthetic™
- Equivalent Archforms for the Latest Techniques
- Optional Midline Dimple

NiTi Straight Lengths and Spools appear on page 32.

– Evidence Based Performance –



The Clinical Significance of G4™ and M5™

The clinically significant improvements to G4™ and M5™ wire provide lower initial load forces and increased residual forces as full shape recovery progresses (see graph). Teeth move farther and faster.

Lower load forces of engagement –

- Easier wire deflection and delivery to bracket
- Less stress on bonds
- Increased patient comfort

Higher residual forces of recovery –

- Full shape recovery
- Complete unraveling and archform development
- Stays active to the end – Move s teeth the last 1/2mm



*Nobody Knows NiTi
Like G&H!*

G4™ NiTi – Precision Manufactured and Scientifically Tested

- Precision manufactured for exacting tolerances in size, shape and force
- G4™ has a polished finish to reduce friction
- Extreme elasticity
- Consistent force – exacting force values insure gentle and sustained activation in every wire
- Shape memory – remains active until full archform is achieved
- Damon™ compatible force levels – from initial engagement through unraveling to full archform recovery
- Stringent testing procedures insure every wire performs to G&H® published standards

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G4™ NiTi Archwires

Precision Manufactured By G&H® Wire Company

G4™ Nickel Titanium

OrthoForce® Archwires "Nobody knows NiTi like G&H!"™



Evidence Based Performance

G&H® Wire Company announces: **G4™ Nickel Titanium Archwires** and Springs. Offering significant functional enhancements to improve clinical performance.

G4™ Nickel Titanium Archwires are the culmination of years of research and development by G&H® Wire Company. The uniquely enhanced performance and consistency of **G4™ NiTi** is the result of material science pioneered by G&H®.

The **G4™** alloy coordinated with proprietary G&H® manufacturing and testing procedures guarantees the force, memory and elasticity properties are consistent as documented.

CE 0120

G4™ NiTi is available in all archforms (See pages 4 & 5 for full-size archform charts)

FORCE GRAPHS FOR ALL WIRES APPEAR ON PAGE 7

RECOVERY FORCE OF G4™ NICKEL TITANIUM



G4™ Nickel Titanium Archwires – Archform charts on pages 4 & 5

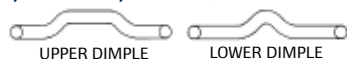
Damon-Compatible

	Trueform™ I		Trueform™ II		Europa™ I		Europa™ II		Standard Form		Bioform I	Bioform II	Bioform III		Bioform IV	Bioform V	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER			UPPER	LOWER			
.012	G4TFU012	G4TFL012	G4TFU112	G4TFL112	G4EFU012	G4EFL012	G4EFU112	G4EFL112	G4SFU012	G4SFL012	G4BF112	G4BF212	G4BF3U012	G4BF3L012	G4BF412	G4BF512	.012
.013	N/A	N/A	N/A	N/A	N/A	N/A	G4EFU113	G4EFL113	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.013
.014	G4TFU014	G4TFL014	G4TFU114	G4TFL114	G4EFU014	G4EFL014	G4EFU114	G4EFL114	G4SFU014	G4SFL014	G4BF114	G4BF214	G4BF3U014	G4BF3L014	G4BF414	G4BF514	.014
.016	G4TFU016	G4TFL016	G4TFU116	G4TFL116	G4EFU016	G4EFL016	G4EFU116	G4EFL116	G4SFU016	G4SFL016	G4BF116	G4BF216	G4BF3U016	G4BF3L016	G4BF416	G4BF516	.016
.018	G4TFU018	G4TFL018	G4TFU118	G4TFL118	G4EFU018	G4EFL018	G4EFU118	G4EFL118	G4SFU018	G4SFL018	G4BF118	G4BF218	G4BF3U018	G4BF3L018	G4BF418	G4BF518	.018
.020	G4TFU020	G4TFL020	G4TFU120	G4TFL120	G4EFU020	G4EFL020	G4EFU120	G4EFL120	G4SFU020	G4SFL020	G4BF120	G4BF220	G4BF3U020	G4BF3L020	G4BF420	G4BF520	.020
.014x.025	G4TFU1425	N/A	N/A	N/A	G4EFU1425	G4EFL1425	G4EFU3425	G4EFL3425	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.014x.025
.016x.016	G4TFU1616	G4TFL1616	G4TFU3616	G4TFL3616	G4EFU1616	G4EFL1616	G4EFU3616	G4EFL3616	G4SFU1616	G4SFL1616	G4BF11616	G4BF21616	G4BF3U1616	G4BF3L1616	G4BF41616	G4BF51616	.016x.016
.016x.022	G4TFU1622	G4TFL1622	G4TFU3622	G4TFL3622	G4EFU1622	G4EFL1622	G4EFU3622	G4EFL3622	G4SFU1622	G4SFL1622	G4BF11622	G4BF21622	G4BF3U1622	G4BF3L1622	G4BF41622	G4BF51622	.016x.022
.016x.025	N/A	N/A	N/A	N/A	G4EFU1625	G4EFL1625	G4EFU3625	G4EFL3625	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.016x.025
.017x.017	N/A	N/A	N/A	N/A	G4EFU1717	G4EFL1717	G4EFU3717	G4EFL3717	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.017x.017
.017x.025	G4TFU1725	G4TFL1725	G4TFU3725	G4TFL3725	G4EFU1725	G4EFL1725	G4EFU3725	G4EFL3725	G4SFU1725	G4SFL1725	G4BF11725	G4BF21725	G4BF3U1725	G4BF3L1725	G4BF41725	G4BF51725	.017x.025
.018x.018	G4TFU1818	G4TFL1818	G4TFU3818	G4TFL3818	G4EFU1818	G4EFL1818	G4EFU3818	G4EFL3818	G4SFU1818	G4SFL1818	G4BF11818	G4BF21818	G4BF3U1818	G4BF3L1818	G4BF41818	G4BF51818	.018x.018
.018x.025	G4TFU1825	G4TFL1825	G4TFU3825	G4TFL3825	G4EFU1825	G4EFL1825	G4EFU3825	G4EFL3825	G4SFU1825	G4SFL1825	G4BF11825	G4BF21825	G4BF3U1825	G4BF3L1825	G4BF41825	G4BF51825	.018x.025
.019x.025	G4TFU1925	G4TFL1925	G4TFU3925	G4TFL3925	G4EFU1925	G4EFL1925	G4EFU3925	G4EFL3925	G4SFU1925	G4SFL1925	G4BF11925	G4BF21925	G4BF3U1925	G4BF3L1925	G4BF41925	G4BF51925	.019x.025
.020x.020	G4TFU2020	G4TFL2020	G4TFU3020	G4TFL3020	G4EFU2020	G4EFL2020	G4EFU3020	G4EFL3020	G4SFU2020	G4SFL2020	G4BF12020	G4BF22020	G4BF3U2020	G4BF3L2020	G4BF42020	G4BF52020	.020x.020
.021x.025	G4TFU2125	G4TFL2125	G4TFU3125	G4TFL3125	G4EFU2125	G4EFL2125	G4EFU3125	G4EFL3125	G4SFU2125	G4SFL2125	G4BF12125	G4BF22125	G4BF3U2125	G4BF3L2125	G4BF42125	G4BF52125	.021x.025

Order Information:

- Standard Pack** – 25 archwires/pack
- Solo-Packs™** – 10 individually packaged arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.
- Dimpled Midline** – For Dimpled Midline wires, add "D" to the end of part number – For Dimpled Solo-Pack™ add "DS" to the end of part number.

Optional Dimpled Midline wires available –



*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon



Solo-Packs™

- Individually sealed autoclavable archwires
- *Request Solo-Packs™ at time of order
- *Ten individually sealed archwires per Solo-Pack™ carton
- (Please allow 2-3 days for Solo-Pack™ packaging)

SEE PAGES 26, 27 FOR ULTRAESTHETIC™ ARCHWIRES TOOTH-COLORED

Nickel Titanium Straight Lengths appear on page 32

G4™ G4orce™

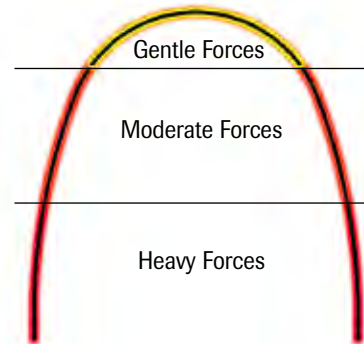
G4™ Progressive Force Nickel Titanium

G4orce™ is a Triple Force G4™ NiTi wire with distinct zones offering progressive forces that increase from anterior to posterior. Light anterior force, medium cuspid/bicuspid force and heavy molar force. Available in Trueform I and Bioform III archforms. Package of 10.

“Individual tooth movement is optimized when applied force synchronizes with anatomy and periodontal physiology.”

- Small anterior teeth move best with lower forces
- Large posterior teeth move best with higher forces

Three Forces in One Archwire for Optimum Control

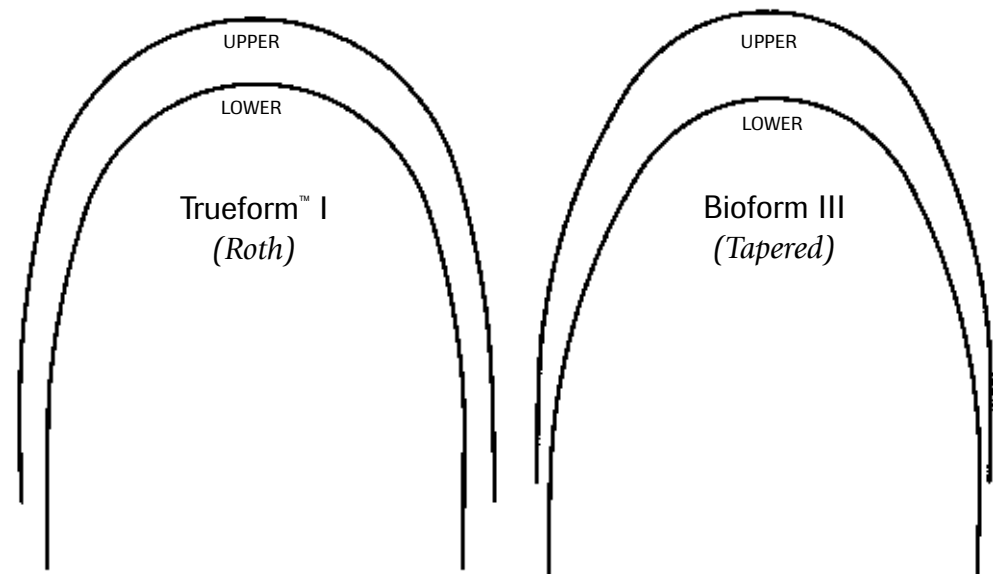


Different force values applied to different arch segments*

- ▶ Anterior Teeth 100 grams
- ▶ Cuspid/Bicuspid 200 grams
- ▶ Molars 300 grams

*As applied to an .019x.025 wire

G4orce™ is available in two archforms



Archforms pictured actual size

G4ORCE™

Archforms: Trueform™ I and Bioform III

Available sizes:

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

	TRUEFORM™ I		BIOFORM III	
	UPPER	LOWER	UPPER	LOWER
.016	G4GFTU016	G4GFTL016	G4GFBU016	G4GFBL016
.018	G4GFTU018	G4GFTL018	G4GFBU018	G4GFBL018
.016x.016	G4GFTU1616	G4GFTL1616	G4GFBU1616	G4GFBL1616
.016x.022	G4GFTU1622	G4GFTL1622	G4GFBU1622	G4GFBL1622
.017x.025	G4GFTU1725	G4GFTL1725	G4GFBU1725	G4GFBL1725
.018x.018	G4GFTU1818	G4GFTL1818	G4GFBU1818	G4GFBL1818
.018x.025	G4GFTU1825	G4GFTL1825	G4GFBU1825	G4GFBL1825
.019x.025	G4GFTU1925	G4GFTL1925	G4GFBU1925	G4GFBL1925
.020x.020	G4GFTU2020	G4GFTL2020	G4GFBU2020	G4GFBL2020
.021x.025	G4GFTU2125	G4GFTL2125	G4GFBU2125	G4GFBL2125

Order Information:

- Standard Pack** - 10 archwires/pack
- Solo-Packs™** - 10 individually packaged arches per carton -
For Solo-Pack™ wires, add "S" to the end of part number.
(Please allow 2-3 days for Solo-Pack™ packaging)



Phone

Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

G4™ NiTi with Crimpable Stops

Damon*-Compatible and Archforms For All Self-Ligating Bracket Techniques

Precision Manufactured By G&H® Wire Company

G4™ Pre-Stopped Nickel Titanium OrthoForce® Archwires

Eliminates the need to apply stops to archwires.
Pre-loaded stops allow positioning as desired then stay put until crimped.
Properly tempered stops crimp easily and securely. **€ 0120**

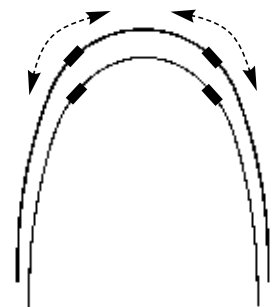


The possibility of nickel titanium archwires slipping through brackets and migrating around the arch has long been recognized. Cinch back bends are difficult to apply and retain in NiTi. Dimple offsets at the midline have been the conventional solution to the problem.

G&H® now offers another alternative. Our new "Pre-Stopped NiTi Archwires" come pre-loaded with crimpable stops. The stops are friction fit on the wire so they slide to position and stay there. A final crimp is then applied to permanently set the stops in place. The stops are soft and crimp easily using a plier or cutter. The stops can be positioned anywhere but are generally crimped mesial to anterior crowding.

Available in Europa™ II Archform
Upper and Lower

Damon® Universal
Compatible with Europa™ II Upper



Pre-Stopped wires are effective with any bracket system and are especially popular for use with self-ligating brackets.

Pre-Stopped G4™ NiTi Arches

• 25/pack Bulk Pack *Damon® Compatible*

	Europa™ II		Europa™ I		Trueform™ I		Bioform III	
	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
.012	G4EFU112CB	G4EFL112CB	G4EFU012CB	G4EFL012CB	G4TFU012CB	G4TFL012CB	G4BF3U012CB	G4BF3L012CB
.013	G4EFU113CB	G4EFL113CB	N/A	N/A	N/A	N/A	N/A	N/A
.014	G4EFU114CB	G4EFL114CB	G4EFU014CB	G4EFL014CB	G4TFU014CB	G4TFL014CB	G4BF3U014CB	G4BF3L014CB
.016	G4EFU116CB	G4EFL116CB	G4EFU016CB	G4EFL016CB	G4TFU016CB	G4TFL016CB	G4BF3U016CB	G4BF3L016CB
.018	G4EFU118CB	G4EFL118CB	G4EFU018CB	G4EFL018CB	G4TFU018CB	G4TFL018CB	G4BF3U018CB	G4BF3L018CB
.020	G4EFU120CB	G4EFL120CB	G4EFU020CB	G4EFL020CB	G4TFU020CB	G4TFL020CB	G4BF3U020CB	G4BF3L020CB
.014 x .025	G4EFU3425CB	G4EFL3425CB	G4EFU1425CB	G4EFL1425CB	G4TFU1425CB	N/A	N/A	N/A
.016 x .016	G4EFU3616CB	G4EFL3616CB	G4EFU1616CB	G4EFL1616CB	G4TFU1616CB	G4TFL1616CB	G4BF3U1616CB	G4BF3L1616CB
.016 x .022	G4EFU3622CB	G4EFL3622CB	G4EFU1622CB	G4EFL1622CB	G4TFU1622CB	G4TFL1622CB	G4BF3U1622CB	G4BF3L1622CB
.016 x .025	G4EFU3625CB	G4EFL3625CB	G4EFU1625CB	G4EFL1625CB	N/A	N/A	N/A	N/A
.017 x .017	G4EFU3717CB	G4EFL3717CB	G4EFU1717CB	G4EFL1717CB	N/A	N/A	N/A	N/A
.017 x .025	G4EFU3725CB	G4EFL3725CB	G4EFU1725CB	G4EFL1725CB	G4TFU1725CB	G4TFL1725CB	G4BF3U1725CB	G4BF3L1725CB
.018 x .018	G4EFU3818CB	G4EFL3818CB	G4EFU1818CB	G4EFL1818CB	G4TFU1818CB	G4TFL1818CB	G4BF3U1818CB	G4BF3L1818CB
.018 x .025	G4EFU3825CB	G4EFL3825CB	G4EFU1825CB	G4EFL1825CB	G4TFU1825CB	G4TFL1825CB	G4BF3U1825CB	G4BF3L1825CB
.019 x .025	G4EFU3925CB	G4EFL3925CB	G4EFU1925CB	G4EFL1925CB	G4TFU1925CB	G4TFL1925CB	G4BF3U1925CB	G4BF3L1925CB
.020 x .020	G4EFU3020CB	G4EFL3020CB	G4EFU2020CB	G4EFL2020CB	G4TFU2020CB	G4TFL2020CB	G4BF3U2020CB	G4BF3L2020CB

Order Information:

Standard Pack - 25 wires per package (bulk)

* For Solo-Pack™ (10 individually sealed wires), change the "B" to "S" in the part number.

Not available in dimpled

Solo-Packs™

Individually sealed autoclavable archwires

•Request Solo-Packs™ at time of order

•Ten individually sealed archwires per Solo-Pack™ carton

(Please allow 2-3 days for Solo-Pack™ packaging)



Pre-Stopped
M5™ Thermal NiTi
on page 20

Crimping Plier
appears on page 77



TOOTH-COLORED PRE-STOPPED G4™ NITI ARCHES

For use with ceramic and composite self-ligating brackets.

• 10/pack *Damon® Compatible*

	Europa™ II	Upper	Lower
.014	G4EFU114CBT	G4EFL114CBT	
.016	G4EFU116CBT	G4EFL116CBT	
.018	G4EFU118CBT	G4EFL118CBT	
.016 x .027	G4EFU3627CBT	G4EFL3627CBT	
.018 x .025	G4EFU3825CBT	G4EFL3825CBT	
.019 x .025	G4EFU3925CBT	G4EFL3925CBT	

Order Information:

Standard Pack - 10 wires per package

* For Solo-Pack™ (10 individually sealed wires), change the "B" to "S" in the part number.

Available only in EFII Archform - Not available in dimpled



Phone

Toll-Free - US/Canada: 800-526-1026

International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

GyH™ Wire introduces another industry first in Orthodontic Archwires –

“Torque and Expansion Concurrently – Now that’s a working wire that works!”



Damon-Compatible® Archwires developed in conjunction with Duncan Brown, BSC, DDS for Torque and Expansion during the Working and Finishing Stages

The Archforms:

- Europa™ II Upper - Universal Damon®-Compatible for Enhanced Finishing
- EFII 100% - Universal Damon®-Compatible Archform
- EFII Large - 108% of Universal
- EFII X-Large - 116% of Universal

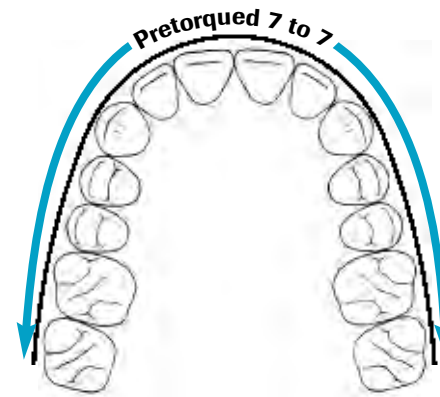
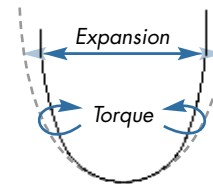
DYB™ Pretorqued Transitional Wires

- G4™ Nickel Titanium
- .017x.025 and .019x.025 - 3 Archforms (100% - 108% and 116%)
- Pretorqued 20° from molar to molar
- Begin torque and progressive expansion following high-tech developmental stages

DYB™ Pretorqued Working Wires

- S3 Stainless Steel or B3™ Beta Titanium
- .017x.025 and .019x.025 - 3 Archforms
- S3 Stainless Pretorqued 15° from 7 to 7
- B3™ Beta Titanium Pretorqued 20° from 7 to 7

Apply lingual root torque and progressive arch expansion simultaneously



Dramatic translation achieved with DYB™ Pretorqued Archwires

Note sagittal development and root uprighting.



Treatment photos courtesy of Dr. Duncan Y. Brown



Pretorqued Archwire Series

The "DYB™ Pretorqued Archwire Series" has proven clinically effective in later stage arch development and uprighting.

The DYB™ Pretorqued Archwire Suite

	G4™ Nickel Titanium Pretorqued 20° 10 wires per pkg.		T3™ Beta Titanium Pretorqued 20° 10 wires per pkg.		S304vm Stainless Steel Pretorqued 15° 10 wires per pkg.
.017x.025	100% – G4EFU3725TQ 108% – G4EFLG3725TQ 116% – G4EFXL3725TQ	.017x.025	100% – B3EFU3725TQ 108% – B3EFLG3725TQ 116% – B3EFXL3725TQ	.017x.025	100% – S3EFU3725TQ 108% – S3EFLG3725TQ 116% – S3EFXL3725TQ
.019x.025	100% – G4EFU3925TQ 108% – G4EFLG3925TQ 116% – G4EFXL3925TQ	.019x.025	100% – B3EFU3925TQ 108% – B3EFLG3925TQ 116% – B3EFXL3925TQ	.019x.025	100% – S3EFU3925TQ 108% – S3EFLG3925TQ 116% – S3EFXL3925TQ

Also Available in Solo-Packs™

Individually sealed autoclavable archwires
 *Request Solo-Packs™ at time of order - add "S" to the end of the part number
 *Ten individually sealed archwires per Solo-Pack™ carton (Please allow 2-3 days for Solo-Pack™ packaging)



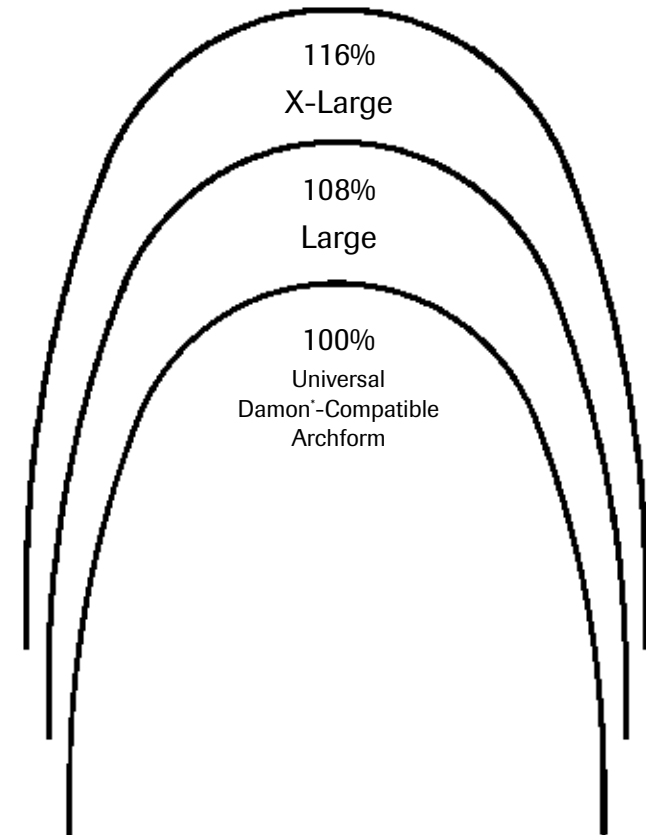
About Dr. Duncan Y. Brown*

Dr. Brown graduated from the University of Toronto in 1975 with a Doctor of Dental Surgery, and became certified as a Specialist in Orthodontics in 1978. Dr. Brown was one of the first Orthodontists in Calgary to use the Damon System, and has used it exclusively since 2003. He shares his experience and expertise with other Orthodontists and professionals, by lecturing

regularly at the Damon Forum, Kodak Users meetings, Damon Users Meetings, the University of Alberta and the University of Manitoba. Dr. Brown, in conjunction with Crest® Oral-B®, helped develop Ortho Care Solutions – a program designed to boost oral hygiene practices among Orthodontic patients. The program is now being used by orthodontists across the country.

Europa™ II Universal Archform

Archforms shown actual size



*G&H® Wire and Dr. Brown are in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

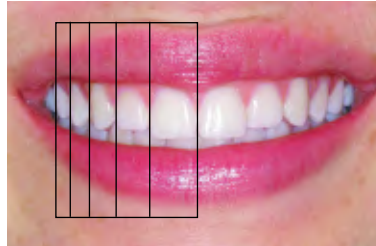
Precision Manufactured By G&H® Wire Company

Platinum Proportion™ Archforms

Achieve Platinum Proportion™ Finished Smiles - Routinely - with Large or Small Tooth Masses

Small teeth and/or spacing can result in less than perfect smiles

Dr. Robert Waugh designed these archforms for treatment of patients with smaller tooth anatomy and/or spacing. After measuring all anterior teeth in his practice for over five years, he has crystallized a method to consistently deliver a predictable anterior display while idealizing functional coupling of anterior teeth. The Platinum Proportion™ archwire system takes the guess work out of archwire selection based on a simple system of measuring tooth width of the anteriors cuspid to cuspid. This technique definitively provides the clinician the proper archwire based on the consolidated width.



Platinum Proportion™ Gradation for Optimum Aesthetics

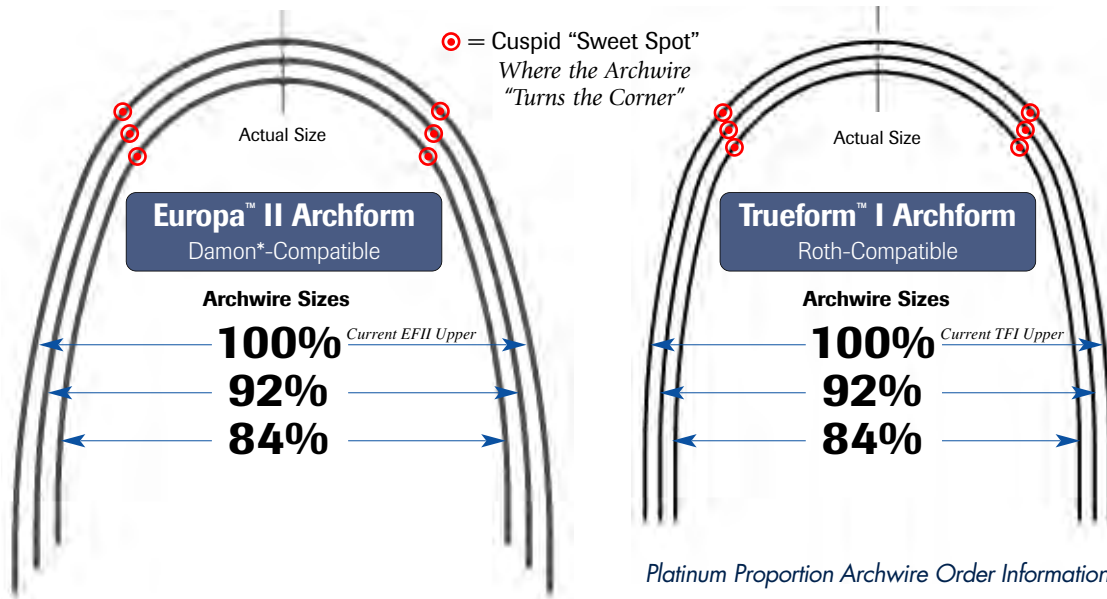


Cuspids on the "Sweet Spot" Harmonious progression of gradation



Broken Gradation Canines positioned anterior to the "Sweet Spot"

The Platinum Proportion™ Archwires



Platinum Proportion Archwire Order Information on page 16

Dr. Waugh Recommended Archwire Sequence

.022 Slot

- .013" or .014" G4™ NiTi
- .018" G4™ NiTi (100%, 92% and/or 84%)
- .014"x.025" G4™ NiTi (100%, 92% and/or 84%)
- .018"x.025" G4™ NiTi (100%, 92% and/or 84%)
- .019"x.025" B3™ Beta Titanium or S3 Stainless Steel (100%, 92% and/or 84%)

.018 Slot

- .013" G4™ NiTi
- .016" G4™ NiTi
- .016"x.022" G4™ NiTi (100%, 92% and/or 84%)
- .017"x.025" G4™ NiTi (100%, 92% and/or 84%)
- .017"x.025" B3™ Beta Titanium or S3 Stainless Steel (100%, 92% and/or 84%)



Dr. Waugh

About Dr. Waugh*

Dr. Robert Waugh practices orthodontics full-time in Athens, Georgia. He graduated from Georgia Health Sciences University (formerly the Medical College of Georgia) in 1987 with both a D.M.D. and an M.S. in Oral Biology, and was elected to OKU - dentistry's honor society. Bob earned his Masters in Orthodontics at Baylor University in 1989 and became certified by the American Board of Orthodontics in 2000. He was elected into the American and International Colleges of Dentistry in 2004.

Dr. Waugh is also an Assistant Professor of Orthodontics at Georgia Health Sciences University and a nationally-known lecturer on current orthodontic topics, including 3-D imaging and the diode laser in orthodontics; optimized aesthetics; and, a variety of clinical and management efficiency strategies he successfully uses in his 24-chair practice. Bob has dedicated his professional life to helping other orthodontists improve their careers with his content-rich presentations.



Waugh & Allen Orthodontics
For more information, visit: www.waorthodontics.com

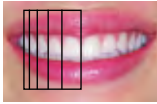


View video presentations, case reports and articles by Dr. Waugh on the "Platinum Proportion™ Archwire System"

www.gswire.com
www.waorthodontics.com

*G&H® Wire and Dr. Waugh are in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

Unauthorized use of the likeness of Dr. Robert L. Waugh is prohibited.



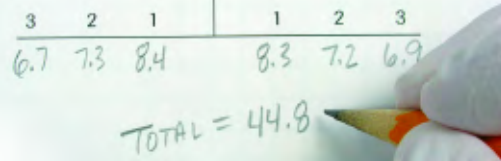
Platinum Proportion™ Archwires – The Science Behind the System

Determining the proper archwire size



Measure Upper Anteriors

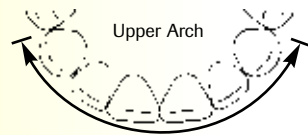
- Measure the mesiodistal width of each upper tooth from cuspid to cuspid
- The total measurement of all 6 teeth is then used to prescribe archform size, 100%, 92% or 84%



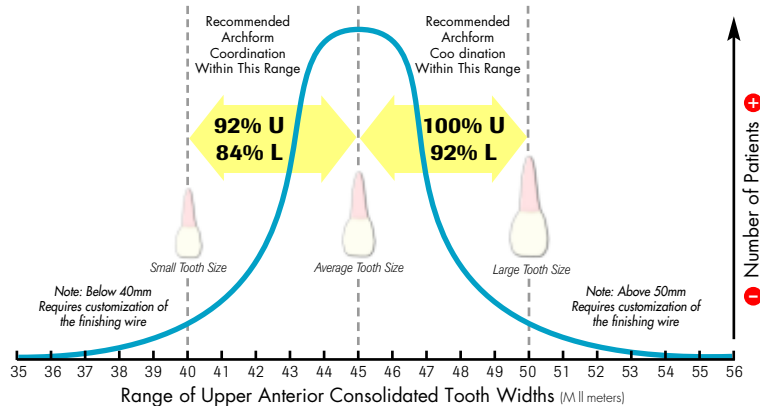
This case displays a consolidated width of 44.8 mm, indicating consideration of archforms 92% upper and 84% lower

Consolidated width 3 2 1 | 1 2 3 indicates archform size:

- 40mm or Less = Customize 84%
- 40mm - 45mm = 92% Upper & 84% Lower
- 45mm - 50mm = 100% Upper & 92% Lower
- 50mm or More = Customize 100%



Tooth Size Range - Corresponding Archwire Size



The Arch Evaluator™ - Clinical Applications

1). Intraoral Guide

- Lower Arch - Estimate needed lateral development and select archwire accordingly
- Upper Arch - Identify "Sweet Spot" position on wires and upper cuspid bracket positioning
- Either Arch - Evaluate progression of lateral development

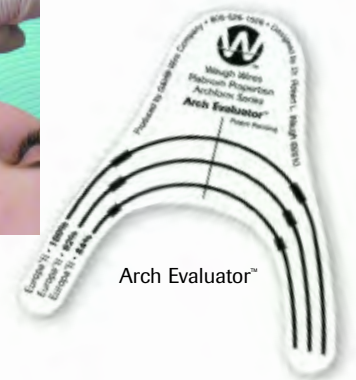


2). Extraoral Guide

- Diagnostic Model - Early guide for archwire sizing
- Waxbite - Assess lateral development

3). Archwire Guide

- Confirm archwire shape prior to initial insertion
- Tabletop guide for restoring shape following adjustment bends
- Reference for customizing extra-large or small wires in extreme cases



Platinum Proportion™ Arch Evaluator™ (actual size)

Waugh Wires Platinum Proportion Archform Series Arch Evaluator™ Patent Pending

Produced by G&H® Wire Company • 800-526-1026 • Designed by Dr. Robert L. Waugh ©2010

Cuspid "Sweet Spot" markings for the upper archwire

Arch Evaluator™ Patent Pending

Europa II • 100%

Europa II • 92%

Europa II • 84%

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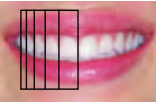


Digital Caliper

Precise measurements with easy-to-read digital display. Durable stainless steel construction. Metric/Inch change over (true conversion), Zero setting (zero setting at any position within the measuring range), Measures external and internal dimensions, depth, and steps. Comes fully assembled and ready to use - also includes (1) replacement battery, screw driver for battery access and instructions

Order Information:
DIGICALIP

*G&H® Wire and Dr. Waugh are in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon



Platinum Proportion™ Archforms - Order Information

Platinum Proportion™ Europa™ II Universal *Damon® Compatible*

• Bulk Pack - NiTi & Stainless = 25 pkg. • B T3™ = 10 pkg. • Solo-Pack™ = 10/pkg

G4 Nickel Titanium			BT3™ Beta Titanium			S304 Stainless Steel			
100%	92%	84%	100%	92%	84%	100%	92%	84%	
.012	G4EFU112 (CB) (S)	G4EFM112 (CB) (S)	G4EFS112 (CB) (S)	N/A	N/A	N/A	S3EFU112(S)	N/A	N/A
.013	G4EFU113 (CB) (S)	G4EFM113 (CB) (S)	G4EFS113 (CB) (S)	N/A	N/A	N/A	N/A	N/A	N/A
.014	G4EFU114 (CB) (S)	G4EFM114 (CB) (S)	G4EFS114 (CB) (S)	N/A	N/A	N/A	S3EFU114(S)	N/A	N/A
.016	G4EFU116 (CB) (S)	G4EFM116 (CB) (S)	G4EFS116 (CB) (S)	N/A	N/A	N/A	S3EFU116(S)	N/A	N/A
.018	G4EFU118 (CB) (S)	G4EFM118 (CB) (S)	G4EFS118 (CB) (S)	N/A	N/A	N/A	S3EFU118(S)	S3EFM118(S)	S3EFS118(S)
.020	G4EFU120 (CB) (S)	G4EFM120 (CB) (S)	G4EFS120 (CB) (S)	N/A	N/A	N/A	S3EFU120 (S)	S3EFM120 (S)	S3EFS120 (S)
.014 x .025	G4EFU3425 (CB) (S)	G4EFM3425 (CB) (S)	G4EFS3425 (CB) (S)	N/A	N/A	N/A	N/A	N/A	N/A
.016 x .016	G4EFU3616 (CB) (S)	G4EFM3616 (CB) (S)	G4EFS3616 (CB) (S)	N/A	N/A	N/A	S3EFU3616(S)	N/A	N/A
.016 x .022	G4EFU3622 (CB) (S)	G4EFM3622 (CB) (S)	G4EFS3622 (CB) (S)	B3EFU3622 (S)	B3EFM3622 (S)	B3EFS3622 (S)	S3EFU3622(S)	S3EFM3622 (S)	S3EFS3622 (S)
.016 x .025	G4EFU3625 (CB) (S)	G4EFM3625 (CB) (S)	G4EFS3625 (CB) (S)	N/A	N/A	N/A	S3EFU3625(S)	S3EFM3625 (S)	S3EFS3625 (S)
.017 x .017	G4EFU3717 (CB) (S)	G4EFM3717 (CB) (S)	G4EFS3717 (CB) (S)	N/A	N/A	N/A	S3EFU3717(S)	S3EFM3717 (S)	S3EFS3717 (S)
.017 x .025	G4EFU3725 (CB) (S)	G4EFM3725 (CB) (S)	G4EFS3725 (CB) (S)	B3EFU3725 (S)	B3EFM3725 (S)	B3EFS3725 (S)	S3EFU3725(S)	S3EFM3725 (S)	S3EFS3725 (S)
.018 x .018	G4EFU3818 (CB) (S)	G4EFM3818 (CB) (S)	G4EFS3818 (CB) (S)	N/A	N/A	N/A	S3EFU3818(S)	N/A	N/A
.018 x .025	G4EFU3825 (CB) (S)	G4EFM3825 (CB) (S)	G4EFS3825 (CB) (S)	N/A	N/A	N/A	S3EFU3825(S)	S3EFM3825 (S)	S3EFS3825 (S)
.019 x .025	G4EFU3925 (CB) (S)	G4EFM3925 (CB) (S)	G4EFS3925 (CB) (S)	B3EFU3925 (S)	B3EFM3925 (S)	B3EFS3925 (S)	S3EFU3925(S)	S3EFM3925 (S)	S3EFS3925 (S)
.020 x .020	G4EFU3020 (CB) (S)	G4EFM3020 (CB) (S)	G4EFS3020 (CB) (S)	N/A	N/A	N/A	S3EFU3020(S)	S3EFM3020 (S)	S3EFS3020 (S)
.021 x .025	G4EFU3125 (CB) (S)	G4EFM3125 (CB) (S)	G4EFS3125 (CB) (S)	B3EFU3125 (S)	B3EFM3125 (S)	B3EFS3125 (S)	S3EFU3125(S)	S3EFM3125 (S)	S3EFS3125 (S)

Platinum Proportion™ Trueform™ I

• Bulk Pack - NiTi & Stainless = 25 pkg. • B T3™ = 10 pkg. • Solo-Pack™ = 10/pkg

G4 Nickel Titanium			BT3™ Beta Titanium			S304 Stainless Steel			
100%	92%	84%	100%	92%	84%	100%	92%	84%	
.012	G4TFU012 (CB) (S)	G4TFM012 (CB) (S)	G4TFS012 (CB) (S)	N/A	N/A	N/A	S3TFU012(S)	N/A	N/A
.013	G4TFU013 (CB) (S)	G4TFM013 (CB) (S)	G4TFS013 (CB) (S)	N/A	N/A	N/A	N/A	N/A	N/A
.014	G4TFU014 (CB) (S)	G4TFM014 (CB) (S)	G4TFS014 (CB) (S)	N/A	N/A	N/A	S3TFU014(S)	N/A	N/A
.016	G4TFU016 (CB) (S)	G4TFM016 (CB) (S)	G4TFS016 (CB) (S)	N/A	N/A	N/A	S3TFU016(S)	N/A	N/A
.018	G4TFU018 (CB) (S)	G4TFM018 (CB) (S)	G4TFS018 (CB) (S)	N/A	N/A	N/A	S3TFU018(S)	S3TFM018(S)	S3TFS018(S)
.020	N/A	N/A	N/A	N/A	N/A	N/A	S3TFU020(S)	S3TFM020 (S)	S3TFS020 (S)
.014 x .025	G4TFU1425 (CB) (S)	G4TFM1425 (CB) (S)	G4TFS1425 (CB) (S)	N/A	N/A	N/A	N/A	N/A	N/A
.016 x .016	G4TFU1616 (CB) (S)	G4TFM1616 (CB) (S)	G4TFS1616 (CB) (S)	N/A	N/A	N/A	S3TFU1616(S)	N/A	N/A
.016 x .022	G4TFU1622 (CB) (S)	G4TFM1622 (CB) (S)	G4TFS1622 (CB) (S)	B3TFU1622 (S)	B3TFM1622 (S)	B3TFS1622 (S)	S3TFU1622(S)	S3TFM1622 (S)	S3TFS1622 (S)
.016 x .025	G4TFU1625 (CB) (S)	G4TFM1625 (CB) (S)	G4TFS1625 (CB) (S)	N/A	N/A	N/A	S3TFU1625(S)	S3TFM1625 (S)	S3TFS1625 (S)
.017 x .017	G4TFU1717 (CB) (S)	G4TFM1717 (CB) (S)	G4TFS1717 (CB) (S)	N/A	N/A	N/A	S3TFU1717(S)	S3TFM1717 (S)	S3TFS1717 (S)
.017 x .025	G4TFU1725 (CB) (S)	G4TFM1725 (CB) (S)	G4TFS1725 (CB) (S)	B3TFU1725 (S)	B3TFM1725 (S)	B3TFS1725 (S)	S3TFU1725(S)	S3TFM1725 (S)	S3TFS1725 (S)
.018 x .018	G4TFU1818 (CB) (S)	G4TFM1818 (CB) (S)	G4TFS1818 (CB) (S)	N/A	N/A	N/A	S3TFU1818(S)	N/A	N/A
.018 x .025	G4TFU1825 (CB) (S)	G4TFM1825 (CB) (S)	G4TFS1825 (CB) (S)	N/A	N/A	N/A	S3TFU1825(S)	S3TFM1825 (S)	S3TFS1825 (S)
.019 x .025	G4TFU1925 (CB) (S)	G4TFM1925 (CB) (S)	G4TFS1925 (CB) (S)	B3TFU1925 (S)	B3TFM1925 (S)	B3TFS1925 (S)	S3TFU1925(S)	S3TFM1925 (S)	S3TFS1925 (S)
.020 x .020	G4TFU2020 (CB) (S)	G4TFM2020 (CB) (S)	G4TFS2020 (CB) (S)	N/A	N/A	N/A	S3TFU2020(S)	S3TFM2020 (S)	S3TFS2020 (S)
.021 x .025	G4TFU2125 (CB) (S)	G4TFM2125 (CB) (S)	G4TFS2125 (CB) (S)	B3TFU2125 (S)	B3TFM2125 (S)	B3TFS2125 (S)	S3TFU2125(S)	S3TFM2125 (S)	S3TFS2125 (S)

Order Information:

G4® NiTi Standard Pack - 25 wires per package (bulk)
 (CB) For **Preloaded Crimpable Stops** - add "CB" to the end of part number for packs of 25.
 (CS) For **Preloaded Crimpable Stops** in **Solo-Packs™** - add "CS" to the end of part number for packs of 10.
 (S) For **Solo-Pack™ Without Stops** - add "S" to the end of part number.
 (D) For **Dimpled Midline** - add "D" to the end of part number.
 (Pre-Loaded Crimpable Stops available on G4™ NiTi only)

Solo-Packs™

Individually sealed autoclavable archwires
 •Request Solo-Packs™ at time of order
 •Ten individually sealed archwires per Solo-Pack™ carton
 (Please allow 2-3 days for Solo-Pack™ packaging)

Platinum Proportion™ Archwire Kits



Europa™ II and Trueform™ I - Bulk-Pack Kits

Europa™ II archform	100% Archform	Small Tooth Kit Includes	All Tooth Kit Includes
<i>Small Tooth Kit - Bulk Pack</i>		#Packages / Wires per pkg.	#Packages / Wires per pkg.
With Stops #PPSTKTCB	G4™ .018	0	1 / 25
Without Stops #PPSTKTK	G4™ .014x.025	0	1 / 25
<i>All Tooth Kit - Bulk Pack</i>	G4™ .018x.025	0	1 / 25
	BT3™ .019x.025	0	2 / 10
	S304 .019x.025	0	1 / 25
With Stops #PPATKTCB			
Without Stops #PPATKTK	92% Archform	#Packages / Wires per pkg.	#Packages / Wires per pkg.
<i>Trueform™ I archform</i>	G4™ .018	2 / 25	1 / 25
	G4™ .014x.025	2 / 25	1 / 25
	G4™ .018x.025	2 / 25	1 / 25
	BT3™ .019x.025	4 / 10	2 / 10
S304 .019x.025	2 / 25	1 / 25	
<i>All Tooth Kit - Bulk Pack</i>			
	84% Archform	#Packages / Wires per pkg.	#Packages / Wires per pkg.
	G4™ .018	1 / 25	1 / 25
	G4™ .014x.025	1 / 25	1 / 25
With Stops #PPTFATKTCB	G4™ .018x.025	1 / 25	1 / 25
Without Stops #PPTFATKTK	BT3™ .019x.025	2 / 10	2 / 10
	S304 .019x.025	1 / 25	1 / 25

Total Pkgs.: 18 / Wires: 360 Total Pkgs.: 18 / Wires: 360

All Kits Contain: Archwire Kit Box - 10 Arch Evaluators™ & Pre-Printed Dividers (Note - Kits do not include Digital Caliper)



Europa™ II and Trueform™ I - Solo-Pack™ Kits

Europa™ II archform	100% Archform	Small Tooth Kit Includes	All Tooth Kit Includes
<i>Small Tooth Kit - Solo-Pack™</i>		#Packages / Wires per pkg.	#Packages / Wires per pkg.
With Stops #PPSTKTCB	G4™ .018	0	2 / 10
Without Stops #PPSTKTK	G4™ .014x.025	0	2 / 10
<i>All Tooth Kit - Solo-Pack™</i>	G4™ .018x.025	0	2 / 10
	BT3™ .019x.025	0	2 / 10
	S304 .019x.025	0	2 / 10
With Stops #PPATKTCB			
Without Stops #PPATKTK	92% Archform	#Packages / Wires per pkg.	#Packages / Wires per pkg.
<i>Trueform™ I archform</i>	G4™ .018	3 / 10	2 / 10
	G4™ .014x.025	3 / 10	2 / 10
	G4™ .018x.025	3 / 10	2 / 10
	BT3™ .019x.025	3 / 10	2 / 10
S304 .019x.025	3 / 10	2 / 10	
<i>All Tooth Kit - Solo-Pack™</i>			
	84% Archform	#Packages / Wires per pkg.	#Packages / Wires per pkg.
	G4™ .018	2 / 10	1 / 10
	G4™ .014x.025	2 / 10	1 / 10
With Stops #PPTFATKTCB	G4™ .018x.025	2 / 10	1 / 10
Without Stops #PPTFATKTK	BT3™ .019x.025	2 / 10	1 / 10
	S304 .019x.025	2 / 10	1 / 10

Total Pkgs.: 25 / Wires: 250 Total Pkgs.: 25 / Wires: 250

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Precision Manufactured By G&H® Wire Company

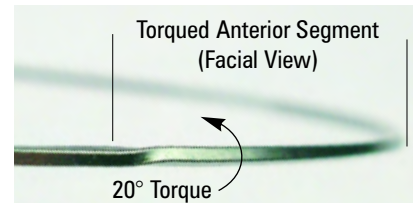
G4™ OrthoForce® Archwires G4™ Pre-Torqued NiTi Archwires Trueform™ I and Europa™ II Universal Damon-Compatible



G4™ Pre-torqued NiTi wires provide early and continuous translation of torque forces to anteriors. Effective on upper or lower arches, there is 20° of torque built into the anterior region of each wire. Torque forces can be applied labially or lingually by reversing the orientation of the wire. Three anterior mm sizes allow torque forces to be applied to upper or lower arch with choice of 3 wire sizes.

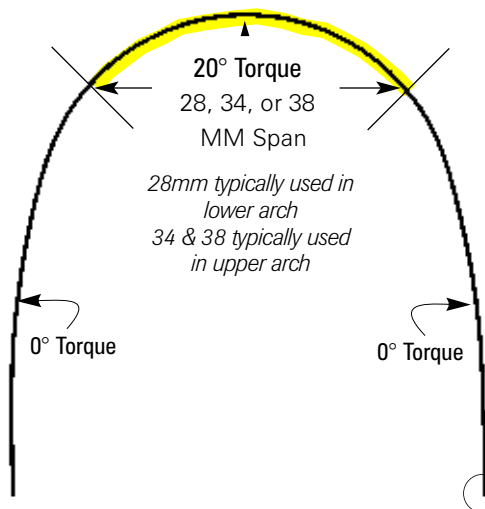


28mm Span = Lower 34 & 38mm Span = Upper



- 20° Torque applied only to centrals and laterals
- Clinically proven G4™ recovery forces applied in the 3rd Order
- Roots torque and parallel consistently
- Begin torque translation early in treatment
- 2 popular archform choices - Trueform™ I and Europa™ II
- Pre-Torqued also available in Reverse Curve - see page 17

Europa™ II & Trueform™ I Pre-Torqued Archform Notations



One end color coded:

- Red = 28mm (Lower)
- Blue = 34mm (Upper)
- Black = 38mm (Upper)

Color Mark Orientation:

As applied to the upper arch - 34 & 38mm

- Engage color to patient *right* for lingual root torque
- Engage color to patient *left* for labial root torque
- Reverse this orientation for lower arch (28mm) applications

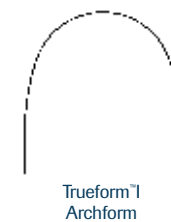


All G4™ Pre-Torqued NiTi wires available with or without pre-loaded crimpable stops

G4™ Pre-Torqued NiTi Archwires 5/pack

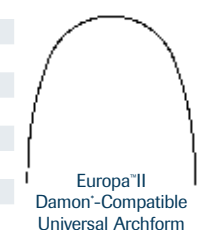
Damon-Compatible

Trueform™ I 5/pack



Order No.	Description	Order No.
N/A	.016x.025 20° 28mm lwr.	PTEF362528**
N/A	.016x.025 20° 34mm upr.	PTEF362534**
N/A	.016x.025 20° 38mm upr.	PTEF362538**
PTTF172528**	.017x.025 20° 28mm lwr.	PTEF372528**
PTTF172534**	.017x.025 20° 34mm upr.	PTEF372534**
PTTF172538**	.017x.025 20° 38mm upr.	PTEF372538**
PTTF192528**	.019x.025 20° 28mm lwr.	PTEF392528**
PTTF192534**	.019x.025 20° 34mm upr.	PTEF392534**
PTTF192538**	.019x.025 20° 38mm upr.	PTEF392538**
PTTF212528**	.021x.025 20° 28mm lwr.	N/A
PTTF212534**	.021x.025 20° 34mm upr.	N/A
PTTF212538**	.021x.025 20° 38mm upr.	N/A

Europa™ II 5/pack



Europa™ II
Damon-Compatible
Universal Archform

Also available with pre-loaded crimpable stops

Order Information: - Europa™ II and Trueform™ I

Standard Pack - 5 archwires/pack

** Add "S" for Solo-Pack (5 individually sealed wires) (Please allow 2-3 days for Solo-Pack™ packaging)

** Add "CS" for Crimpable Stops + Solo-Pack

** Add "CB" for Crimpable Stops in Bulk Package of 5



Phone

Toll-Free - US/Canada:
800-526-1026

International/Toll:
317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

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Available In Four Archform Shapes

Precision Manufactured By G&H® Wire Company

Reverse Curve Nickel Titanium

OrthoForce® Archwires



Manufactured in both G4™ and M5™ NiTi formats, Reverse Curve wires provide excellent counter forces to achieve bite modifications quickly and efficiently, while also improving archform integrity.

CE 0120

Reverse Curve Nickel Titanium Archwires

	Reverse Curve I				Reverse Curve II
	G4™ NiTi		M5™ Thermal		G4™ NiTi
	UPPER	LOWER	UPPER	LOWER	UNIVERSAL
.012	G4RCU012	G4RCL012	M5RCU012	M5RCL012	G4RCU2012
.014	G4RCU014	G4RCL014	M5RCU014	M5RCL014	G4RCU2014
.016	G4RCU016	G4RCL016	M5RCU016	M5RCL016	G4RCU2016
.018	G4RCU018	G4RCL018	M5RCU018	M5RCL018	G4RCU2018
.020	G4RCU020	G4RCL020	M5RCU020	M5RCL020	G4RCU2220
.016x.016	G4RCU1616	G4RCL1616	M5RCU1616	M5RCL1616	G4RCU21616
.016x.022	G4RCU1622	G4RCL1622	M5RCU1622	M5RCL1622	G4RCU21622
.017x.017	G4RCU1717	G4RCL1717	M5RCU1717	M5RCL1717	N/A
.017x.025	G4RCU1725	G4RCL1725	M5RCU1725	M5RCL1725	G4RCU21725
.018x.018	G4RCU1818	G4RCL1818	M5RCU1818	M5RCL1818	G4RCU21818
.018x.025	G4RCU1825	G4RCL1825	M5RCU1825	M5RCL1825	G4RCU21825
.019x.025	G4RCU1925	G4RCL1925	M5RCU1925	M5RCL1925	G4RCU21925
.020x.020	G4RCU2020	G4RCL2020	M5RCU2020	M5RCL2020	G4RCU22020
.021x.025	G4RCU2125	G4RCL2125	M5RCU2125	M5RCL2125	G4RCU22125

	Reverse Curve III			
	G4™ NiTi		M5™ Thermal	
	UPPER	LOWER	UPPER	LOWER
.012	G4RCU3012	G4RCL3012	M5RCU3012	M5RCL3012
.014	G4RCU3014	G4RCL3014	M5RCU3014	M5RCL3014
.016	G4RCU3016	G4RCL3016	M5RCU3016	M5RCL3016
.018	G4RCU3018	G4RCL3018	M5RCU3018	M5RCL3018
.020	G4RCU3020	G4RCL3020	M5RCU3020	M5RCL3020
.016x.016	G4RCU31616	G4RCL31616	M5RCU31616	M5RCL31616
.016x.022	G4RCU31622	G4RCL31622	M5RCU31622	M5RCL31622
.017x.025	G4RCU31725	G4RCL31725	M5RCU31725	M5RCL31725
.018x.018	G4RCU31818	G4RCL31818	M5RCU31818	M5RCL31818
.018x.025	G4RCU31825	G4RCL31825	M5RCU31825	M5RCL31825
.019x.025	G4RCU31925	G4RCL31925	M5RCU31925	M5RCL31925
.020x.020	G4RCU32020	G4RCL32020	M5RCU32020	M5RCL32020
.021x.025	G4RCU32125	G4RCL32125	M5RCU32125	M5RCL32125

Order Information:

Standard Pack Solo-Packs™

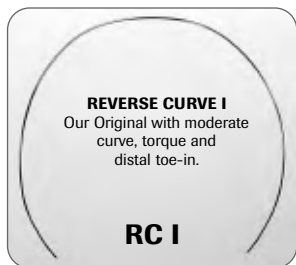
- 10 archwires/pack
- 10 individually packaged arches per carton
- For Solo-Pack™ wires, add "S" to the end of part number.

Dimpled Midline

- For Dimpled Midline wires, add "D" to the end of part number.
- For Dimpled Midlines in Solo-Pack™, add "DS" to the end of part number.
- (Note: Narrow Dimple only - not available in Thermal or RCI).

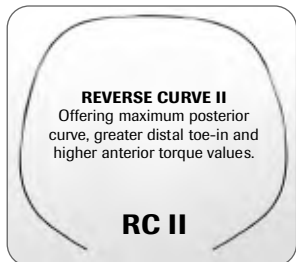


Narrow Dimple



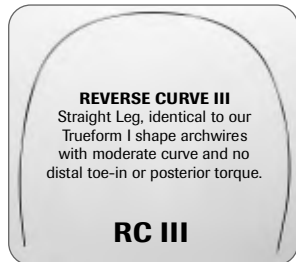
REVERSE CURVE I
Our Original with moderate curve, torque and distal toe-in.

RC I



REVERSE CURVE II
Offering maximum posterior curve, greater distal toe-in and higher anterior torque values.

RC II



REVERSE CURVE III
Straight Leg, identical to our Trueform I shape archwires with moderate curve and no distal toe-in or posterior torque.

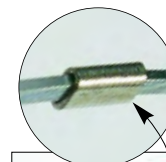
RC III

Precision Manufactured By G&H® Wire Company



OrthoForce® Archwires
G4™ Reverse Curve
Europa™ II Upper Archform *Damon-Compatible*

G&H® Wire introduces Reverse Curve Wires in a true Damon*-Compatible Archform.
G&H's now famous Europa™II Upper is available in a Reverse Curve - with or without crimpable stops.



Available with or without stops.



Solo-Packs™
Individually sealed autoclavable archwires

- Request Solo-Packs™ at time of order
- Ten individually sealed archwires per Solo-Pack™ carton
- (Please allow 2-3 days for Solo-Pack™ packaging)

G4™ Reverse Curve Europa™ II Upper

Europa™ II Upper	10/pack
.013	G4RCD113**
.014	G4RCD114**
.016	G4RCD116**
.018	G4RCD118**
.014x.025	G4RCD3425**
.016x.016	G4RCD3616**
.016x.025	G4RCD3625**
.017x.017	G4RCD3717**
.017x.025	G4RCD3725**
.018x.018	G4RCD3818**
.018x.025	G4RCD3825**
.019x.025	G4RCD3925**
.020x.020	G4RCD3020**

Order Information:

- Standard Pack** - 10 Archwires/pack
- ** Add "S" for Solo-Pack™ (10 individually sealed wires)
- ** Add "CS" for Crimpable Stops + Solo-Pack™
- ** Add "CB" for Crimpable Stops in Bulk Package of 10

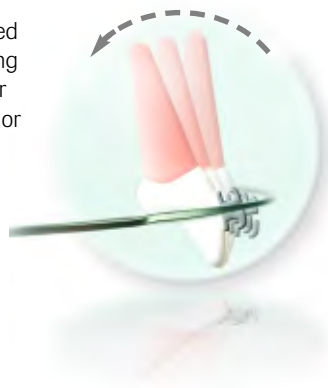
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Reverse Curve Pre-Torqued G4™ Niti

OrthoForce® Archwires
G4™ Reverse Curve Pre-Torqued NiTi
 Reverse Curve I and Europa™ II Universal *Damon-Compatible*



Reverse Curve NiTi wires with 20° pre-torqued anterior segments increase torque control during intrusion. Lingual root torque is applied in upper archwires. Lower wires offer the choice of lingual or labial root torque.



28mm Span = Lower 34 & 38mm Span = Upper

Reverse Curve Pre-Torqued Available in 2 Archforms

Reverse Curve 1

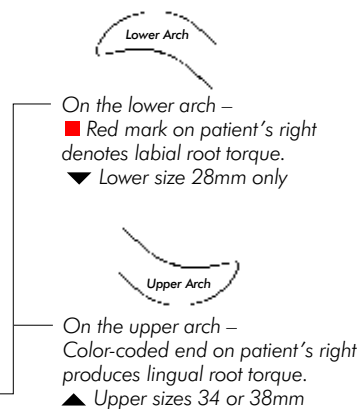
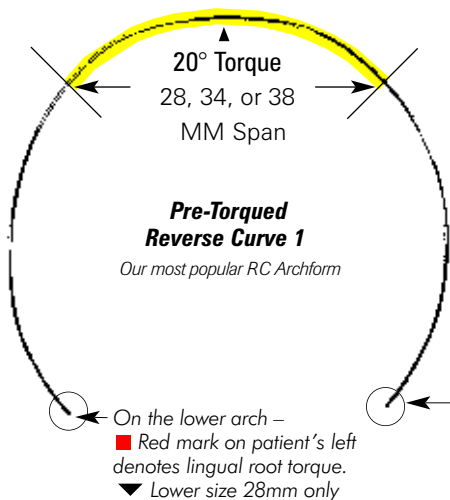
- Mild toe-in bends
- Our most popular

Europa™ II

- No toe-in bends
- Damon*-Compatible Archform
- Available with or without Pre-Loaded Crimpable Stops



Pre-Torqued Reverse Curve I & Europa™ II Reverse Curve Archform Notations



G4™ Reverse Curve Pre-Torqued NiTi Archwires 5/pack

Reverse Curve I 5/pack

Order No.	Description	Order No.
N/A	.016x.025 20° 28mm lwr. Labial Root Torque	RCDB162528**
N/A	.016x.025 20° 28mm lwr. Lingual Root Torque	RCDG162528**
N/A	.016x.025 20° 34mm upr. Lingual Root Torque	RCDG162534**
N/A	.016x.025 20° 38mm upr. Lingual Root Torque	RCDG162538**
RC1B172528*	.017x.025 20° 28mm lwr. Labial Root Torque	RCDB172528**
RC1G172528*	.017x.025 20° 28mm lwr. Lingual Root Torque	RCDG172528**
RC1G172534*	.017x.025 20° 34mm upr. Lingual Root Torque	RCDG172534**
RC1G172538*	.017x.025 20° 38mm upr. Lingual Root Torque	RCDG172538**
RC1B192528*	.019x.025 20° 28mm lwr. Labial Root Torque	RCDB192528**
RC1G192528*	.019x.025 20° 28mm lwr. Lingual Root Torque	RCDG192528**
RC1G192534*	.019x.025 20° 34mm upr. Lingual Root Torque	RCDG192534**
RC1G192538*	.019x.025 20° 38mm upr. Lingual Root Torque	RCDG192538**
RC1B212528*	.021x.025 20° 28mm lwr. Labial Root Torque	RCDB212528**
RC1G212528*	.021x.025 20° 28mm lwr. Lingual Root Torque	RCDG212528**
RC1G212534*	.021x.025 20° 34mm upr. Lingual Root Torque	RCDG212534**
RC1G212538*	.021x.025 20° 38mm upr. Lingual Root Torque	RCDG212538**

Reverse Curve I Archform
 Our most popular RC Archform

Damon-Compatible

Reverse Curve Europa™ II 5/pack



Also available with pre-loaded crimpable stops (.021x.025 not available with stops)

Order Information: - Reverse Curve I

Standard Pack - 5 archwires/pack

* Add "S" for Solo-Pack (5 individually sealed wires)
 (Please allow 2-3 days for Solo-Pack™ packaging)

Order Information: - Europa™ II Reverse Curve

Standard Pack - 5 archwires/pack

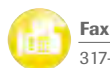
** Add "S" for Solo-Pack (5 individually sealed wires)
 ** Add "CS" for Crimpable Stops + Solo-Pack
 ** Add "CB" for Crimpable Stops in Bulk Package of 5

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon



Phone

Toll-Free - US/Canada: 800-526-1026
 International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

Thermal M5™ NiTi

Precision Manufactured By G&H® Wire Company

M5 Heaters™ Thermal Nickel Titanium

OrthoForce® Archwires "Nobody knows NiTi like G&H!"™



M5 Heaters™ are **Thermal Activated** NiTi wires that become dead soft when chilled below 20°C. The thermal properties achieve optimum activation as 37°C (body temperature) is approached. This unique characteristic allows for simplified bracket engagement in any malocclusion.

Many orthodontists induce this martensitic phase by chilling the wire below its transition temperature prior to placement. Following engagement, as the thermal wire elevates in temperature within the oral cavity, the transition from martensitic to austenitic phases causes the force level to increase and the shape memory phenomenon to occur. **CE 0120**



Phone

Toll-Free - US/Canada: 800-526-1026 | International/Toll: 317-346-6655



Fax

317-346-6663



Email

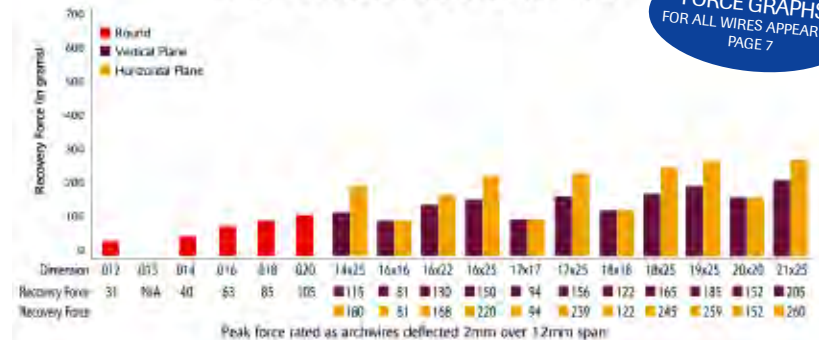
ghmail@ghwire.com



Website

www.ghwire.com

M5™ THERMAL NICKEL TITANIUM



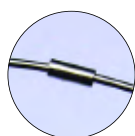
M5 Heaters™ Thermal Nickel Titanium Archwires - Archform charts on page 4 & 5 *Damon- Compatible*

	Trueform™ I		Trueform™ II		Europa™ I		Europa™ II		Standard Form		Bioform I	Bioform II	Bioform III		Bioform IV	Bioform V	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER			UPPER	LOWER			
.012	M5TFU012	M5TFL012	M5TFU112	M5TFL112	M5EFU012	M5EFL012	M5EFU112	M5EFL112	M5SFU012	M5SFL012	M5BF112	M5BF212	M5BF3U012	M5BF3L012	M5BF412	M5BF512	.012
.014	M5TFU014	M5TFL014	M5TFU114	M5TFL114	M5EFU014	M5EFL014	M5EFU114	M5EFL114	M5SFU014	M5SFL014	M5BF114	M5BF214	M5BF3U014	M5BF3L014	M5BF414	M5BF514	.014
.016	M5TFU016	M5TFL016	M5TFU116	M5TFL116	M5EFU016	M5EFL016	M5EFU116	M5EFL116	M5SFU016	M5SFL016	M5BF116	M5BF216	M5BF3U016	M5BF3L016	M5BF416	M5BF516	.016
.018	M5TFU018	M5TFL018	M5TFU118	M5TFL118	M5EFU018	M5EFL018	M5EFU118	M5EFL118	M5SFU018	M5SFL018	M5BF118	M5BF218	M5BF3U018	M5BF3L018	M5BF418	M5BF518	.018
.020	M5TFU020	M5TFL020	M5TFU120	M5TFL120	M5EFU020	M5EFL020	M5EFU120	M5EFL120	M5SFU020	M5SFL020	M5BF120	M5BF220	M5BF3U020	M5BF3L020	M5BF420	M5BF520	.020
.014x.025	N/A	N/A	N/A	N/A	N/A	N/A	M5EFU3425	M5EFL3425	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.014x.025
.016x.016	M5TFU1616	M5TFL1616	M5TFU3616	M5TFL3616	M5EFU1616	M5EFL1616	M5EFU3616	M5EFL3616	M5SFU1616	M5SFL1616	M5BF11616	M5BF21616	M5BF3U1616	M5BF3L1616	M5BF41616	M5BF51616	.016x.016
.016x.022	M5TFU1622	M5TFL1622	M5TFU3622	M5TFL3622	M5EFU1622	M5EFL1622	M5EFU3622	M5EFL3622	M5SFU1622	M5SFL1622	M5BF11622	M5BF21622	M5BF3U1622	M5BF3L1622	M5BF41622	M5BF51622	.016x.022
.016x.025	N/A	N/A	N/A	N/A	N/A	N/A	M5EFU3625	M5EFL3625	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.016x.025
.017x.017	M5TFU1717	M5TFL1717	N/A	N/A	M5EFU1717	M5EFL1717	M5EFU3717	M5EFL3717	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.017x.017
.017x.025	M5TFU1725	M5TFL1725	M5TFU3725	M5TFL3725	M5EFU1725	M5EFL1725	M5EFU3725	M5EFL3725	M5SFU1725	M5SFL1725	M5BF11725	M5BF21725	M5BF3U1725	M5BF3L1725	M5BF41725	M5BF51725	.017x.025
.018x.018	M5TFU1818	M5TFL1818	M5TFU3818	M5TFL3818	M5EFU1818	M5EFL1818	M5EFU3818	M5EFL3818	M5SFU1818	M5SFL1818	M5BF11818	M5BF21818	M5BF3U1818	M5BF3L1818	M5BF41818	M5BF51818	.018x.018
.018x.025	M5TFU1825	M5TFL1825	M5TFU3825	M5TFL3825	M5EFU1825	M5EFL1825	M5EFU3825	M5EFL3825	M5SFU1825	M5SFL1825	M5BF11825	M5BF21825	M5BF3U1825	M5BF3L1825	M5BF41825	M5BF51825	.018x.025
.019x.025	M5TFU1925	M5TFL1925	M5TFU3925	M5TFL3925	M5EFU1925	M5EFL1925	M5EFU3925	M5EFL3925	M5SFU1925	M5SFL1925	M5BF11925	M5BF21925	M5BF3U1925	M5BF3L1925	M5BF41925	M5BF51925	.019x.025
.020x.020	M5TFU2020	M5TFL2020	M5TFU3020	M5TFL3020	M5EFU2020	M5EFL2020	M5EFU3020	M5EFL3020	M5SFU2020	M5SFL2020	M5BF12020	M5BF22020	M5BF3U2020	M5BF3L2020	M5BF42020	M5BF52020	.020x.020
.021x.025	M5TFU2125	M5TFL2125	M5TFU3125	M5TFL3125	M5EFU2125	M5EFL2125	M5EFU3125	M5EFL3125	M5SFU2125	M5SFL2125	M5BF12125	M5BF22125	M5BF3U2125	M5BF3L2125	M5BF42125	M5BF52125	.021x.025

Order Information:

- Standard Pack** - 25 archwires/pack
- Solo-Packs™** - 10 individually packaged arches per carton
- For Solo-Pack™ wires, add "S" to the end of part number. (Please allow 2-3 days for Solo-Pack™ packaging)
- Dimpled Midline** - For Dimpled Midline wires, add "D" to the end of part number
- for Dimpled Solo-Pack™ add "DS" to the end of part number. (Note: size .012 is not available with dimple)

Optional Dimpled Midline wires available -



Pre-Stopped M5 Heaters™ Available

- Order Information:**
- Pre-Stopped M5 Heaters™** - 25 archwires/pack
 - Add "CB" to the end of part number for pre-loaded crimpable stops. Change "CB" to "CS" for pre-loaded stops in Solo-Pack™ packaging of 10.
 - (Please allow 2-3 days for Solo-Pack™ packaging)
 - (Note: size .014x.025 and .016x.025 available in EF™II only - Pre-stopped archwires not available in .021x.025)
 - (Pre Stopped G4™ NiTi on page 11)



THERMA-STICK™ CHILLING INSTRUMENT

Handheld instrument chills Thermal NiTi wire on contact. Stainless steel tube may be used directly in mouth. Simply fill hollow tube with water, freeze and apply as desired to soften specific arch segments. **CE**

Order Information:
Sold individually **THSTK**

THERMA FROST™ REFRIGERANT SPRAY

Chairside use for chilling Thermal Activated NiTi. For use outside the oral cavity only.



Order Information:
Available individually in 10 oz. cans - (Cannot be shipped internationally) **TFROST**

Precision Manufactured By G&H[®] Wire Company



BT3[™] Beta Titanium

OrthoForce[®] Archwires & Straight Lengths



The moderate force alternative to Stainless Steel Archwires. – Nickel-Free

Our BT3[™] Beta Titanium alloy provides force levels that are 45% less than those of equivalent stainless steel arches. BT3[™] is the Beta Titanium III alloy representing the latest material science available in Titanium Molybdenum archwires. BT3[™] wire contains no nickel. **CE 0120**

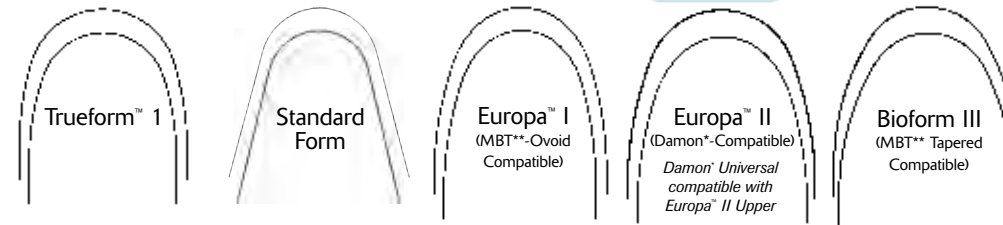
BT3[™] (Titanium Molybdenum)



Peak force rated as archwires deflected 25mm over 1.0mm span

Beta Titanium Straight Lengths appear on page 32

Available in:



(See pages 4 & 5 for full-size archform charts)

BT3[™] Beta Titanium Archwires – Archform chart on page 4 & 5

	Trueform [™] I		Standard Form		Europa [™] I		Europa [™] II		Bioform III	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.016	B3TFU016	B3TFL016	B3SFU016	B3SFL016	N/A	N/A	N/A	N/A	N/A	N/A
.018	B3TFU018	B3TFL018	B3SFU018	B3SFL018	N/A	N/A	N/A	N/A	N/A	N/A
.016x.016	B3TFU1616	B3TFL1616	B3SFU1616	B3SFL1616	N/A	N/A	N/A	N/A	N/A	N/A
.016x.022	B3TFU1622	B3TFL1622	B3SFU1622	B3SFL1622	B3EFU1622	B3EFL1622	B3EFU3622	B3EFL3622	B3BF3U1622	B3BF3L1622
.017x.025	B3TFU1725	B3TFL1725	B3SFU1725	B3SFL1725	B3EFU1725	B3EFL1725	B3EFU3725	B3EFL3725	B3BF3U1725	B3BF3L1725
.0175x.0175	B3TFU17575	B3TFL17575	B3SFU17575	B3SFL17575	N/A	N/A	N/A	N/A	N/A	N/A
.018x.025	B3TFU1825	B3TFL1825	B3SFU1825	B3SFL1825	N/A	N/A	N/A	N/A	N/A	N/A
.019x.025	B3TFU1925	B3TFL1925	B3SFU1925	B3SFL1925	B3EFU1925	B3EFL1925	B3EFU3925	B3EFL3925	B3BF3U1925	B3BF3L1925
.021x.025	B3TFU2125	B3TFL2125	B3SFU2125	B3SFL2125	N/A	N/A	B3EFU3125	B3EFL3125	N/A	N/A

Order Information:

Standard Pack – 10 archwires/pack

Solo-Packs[™] – 10 individually packaged arches per carton -
For Solo-Pack[™] wires, add "S" to the end of part number.



Solo-Packs[™]

Individually sealed autoclavable archwires

- Request Solo-Packs[™] at time of order
 - Ten individually sealed archwires per Solo-Pack[™] carton
- (Please allow 2-3 days for Solo-Pack[™] packaging)

BT3[™] T-Loop

Our BT3[™] Beta Titanium alloy is also available in a T-Loop archform.

BT3[™] T-Loop LOWER 24 to 32mm / UPPER 34 to 42mm

TRUEFORM[™] I

2 LOOP

.016x.022 B3TL1622*

.017x.025 B3TL1725*

.019x.025 B3TL1925*

- **5/pack** *Insert preferred millimeter size, available in 2mm increments.

T-LOOP KIT B3TLK**

- **50 wires plus dispenser and ruler**

**Insert preferred wire size. 34–42mm Upper, 24–32mm Lower



MM Ruler

Our unique double-sided **80mm Ruler** features a hole to engage a post or hook making space measurement quick, easy and accurate!
Box of 20.

RULERMG

BT3[™] T-Loop Archwire Kit of 50 wires size distribution

MM Sizes	24	26	28	30	32	34	36	38	40	42
T-Loop (quantity per size)	5	5	5	5	5	5	5	5	5	5

**TMA is a registered trademark of Ormco Corporation

*G&H[®] Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

(Solo-Pack[™] not available for Looped and Posted wires.)

Stainless Steel Archwires

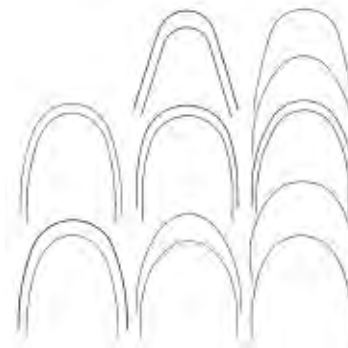
Precision Manufactured By G&H Wire Company

S304 Stainless Steel

OrthoForce® Archwires



G&H® uses only 304v medical grade stainless steel wire in forming these archwires. By acquiring our wire from the finest stainless steel processing houses, G&H® can assure its customers a product high in quality and consistent in performance. In addition, G&H® uses state of the art forming equipment which ensures product integrity, consistent performance characteristics and precise archforms. With over 25 years of wire forming experience G&H® understands the intricacies and nature of archwire production and takes great pride in craftsmanship. **CE 0120**



Available in all archforms
(See pages 4 & 5 for full-size archform charts)



S304 Stainless Steel Archwires - Archform charts on pages 4 & 5

Damon-Compatible

	Trueform® I		Trueform® II		Europa® I		Europa® II		Standard Form		Bioform I	Bioform II	Bioform III		Bioform IV	Bioform V	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER			UPPER	LOWER			
.012	S3TFU012	S3TFL012	S3TFU112	S3TFL112	S3EFU012	S3EFL012	S3EFU112	S3EFL112	S3SFU012	S3SFL012	S3BF112	S3BF212	S3BF3U012	S3BF3L012	S3BF412	S3BF512	.012
.014	S3TFU014	S3TFL014	S3TFU114	S3TFL114	S3EFU014	S3EFL014	S3EFU114	S3EFL114	S3SFU014	S3SFL014	S3BF114	S3BF214	S3BF3U014	S3BF3L014	S3BF414	S3BF514	.014
.016	S3TFU016	S3TFL016	S3TFU116	S3TFL116	S3EFU016	S3EFL016	S3EFU116	S3EFL116	S3SFU016	S3SFL016	S3BF116	S3BF216	S3BF3U016	S3BF3L016	S3BF416	S3BF516	.016
.018	S3TFU018	S3TFL018	S3TFU118	S3TFL118	S3EFU018	S3EFL018	S3EFU118	S3EFL118	S3SFU018	S3SFL018	S3BF118	S3BF218	S3BF3U018	S3BF3L018	S3BF418	S3BF518	.018
.020	S3TFU020	S3TFL020	S3TFU120	S3TFL120	S3EFU020	S3EFL020	S3EFU120	S3EFL120	S3SFU020	S3SFL020	S3BF120	S3BF220	S3BF3U020	S3BF3L020	S3BF420	S3BF520	.020
.016x.016	S3TFU1616	S3TFL1616	S3TFU3616	S3TFL3616	S3EFU1616	S3EFL1616	S3EFU3616	S3EFL3616	S3SFU1616	S3SFL1616	S3BF11616	S3BF21616	S3BF3U1616	S3BF3L1616	S3BF41616	S3BF51616	.016x.016
.016x.022	S3TFU1622	S3TFL1622	S3TFU3622	S3TFL3622	S3EFU1622	S3EFL1622	S3EFU3622	S3EFL3622	S3SFU1622	S3SFL1622	S3BF11622	S3BF21622	S3BF3U1622	S3BF3L1622	S3BF41622	S3BF51622	.016x.022
.016x.025	N/A	N/A	N/A	N/A	S3EFU1625	S3EFL1625	S3EFU3625	S3EFL3625	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.016x.025
.017x.017	S3TFU1717	S3TFL1717	S3TFU3717	S3TFL3717	S3EFU1717	S3EFL1717	S3EFU3717	S3EFL3717	S3SFU1717	S3SFL1717	S3BF11717	S3BF21717	S3BF3U1717	S3BF3L1717	S3BF41717	S3BF51717	.017x.017
.017x.022	S3TFU1722	S3TFL1722	S3TFU3722	S3TFL3722	S3EFU1722	S3EFL1722	S3EFU3722	S3EFL3722	S3SFU1722	S3SFL1722	S3BF11722	S3BF21722	S3BF3U1722	S3BF3L1722	S3BF41722	S3BF51722	.017x.022
.017x.025	S3TFU1725	S3TFL1725	S3TFU3725	S3TFL3725	S3EFU1725	S3EFL1725	S3EFU3725	S3EFL3725	S3SFU1725	S3SFL1725	S3BF11725	S3BF21725	S3BF3U1725	S3BF3L1725	S3BF41725	S3BF51725	.017x.025
.018x.018	S3TFU1818	S3TFL1818	S3TFU3818	S3TFL3818	S3EFU1818	S3EFL1818	S3EFU3818	S3EFL3818	S3SFU1818	S3SFL1818	S3BF11818	S3BF21818	S3BF3U1818	S3BF3L1818	S3BF41818	S3BF51818	.018x.018
.018x.022	S3TFU1822	S3TFL1822	S3TFU3822	S3TFL3822	S3EFU1822	S3EFL1822	S3EFU3822	S3EFL3822	S3SFU1822	S3SFL1822	S3BF11822	S3BF21822	S3BF3U1822	S3BF3L1822	S3BF41822	S3BF51822	.018x.022
.018x.025	S3TFU1825	S3TFL1825	S3TFU3825	S3TFL3825	S3EFU1825	S3EFL1825	S3EFU3825	S3EFL3825	S3SFU1825	S3SFL1825	S3BF11825	S3BF21825	S3BF3U1825	S3BF3L1825	S3BF41825	S3BF51825	.018x.025
.019x.019	S3TFU1919	S3TFL1919	S3TFU3919	S3TFL3919	S3EFU1919	S3EFL1919	S3EFU3919	S3EFL3919	S3SFU1919	S3SFL1919	S3BF11919	S3BF21919	S3BF3U1919	S3BF3L1919	S3BF41919	S3BF51919	.019x.019
.019x.025	S3TFU1925	S3TFL1925	S3TFU3925	S3TFL3925	S3EFU1925	S3EFL1925	S3EFU3925	S3EFL3925	S3SFU1925	S3SFL1925	S3BF11925	S3BF21925	S3BF3U1925	S3BF3L1925	S3BF41925	S3BF51925	.019x.025
.020x.020	S3TFU2020	S3TFL2020	S3TFU3020	S3TFL3020	S3EFU2020	S3EFL2020	S3EFU3020	S3EFL3020	S3SFU2020	S3SFL2020	S3BF12020	S3BF22020	S3BF3U2020	S3BF3L2020	S3BF42020	S3BF52020	.020x.020
.021x.025	S3TFU2125	S3TFL2125	S3TFU3125	S3TFL3125	S3EFU2125	S3EFL2125	S3EFU3125	S3EFL3125	S3SFU2125	S3SFL2125	S3BF12125	S3BF22125	S3BF3U2125	S3BF3L2125	S3BF42125	S3BF52125	.021x.025

Order Information:

Standard Pack - 25 archwires/pack

Solo-Packs™ - 10 individually packaged arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.

Solo-Packs™
Individually sealed autoclavable archwires
• Request Solo-Packs™ at time of order
• Ten individually sealed archwires per Solo-Pack™ carton
(Please allow 2-3 days for Solo-Pack™ packaging)

Also available -
XR1™ HEAT TREATED STAINLESS STEEL ARCHWIRES
XR1™ heat treated stainless steel arches net a 5% to 10% increase in tensile strength yield and become more malleable. (See page 23 for XR1™ Heat Treated Wires)

Stainless Steel Straight Lengths appear on page 32

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

Heat-Treated Stainless

Precision Manufactured By G&H® Wire Company

XR1™ Heat-Treated Stainless Steel

OrthoForce® Archwires



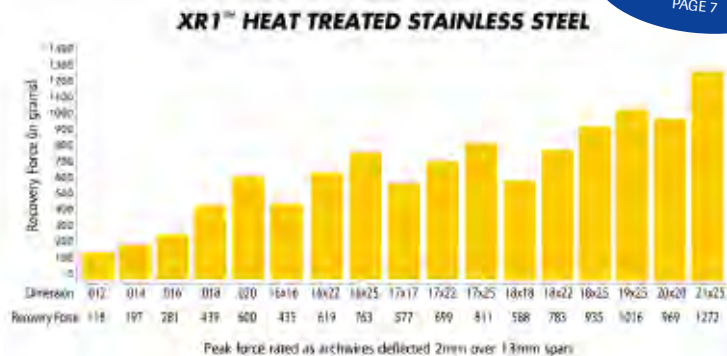
Our new XR1™ Stainless Steel is uniquely heat-treated and stress-relieved – increasing the resiliency of the wire to improve mechanics. **CE 0120**

*Nobody Knows
Stainless Like G&H!*



Available in all archforms
(See pages 4 & 5 for full-size archform charts)

FORCE GRAPHS
FOR ALL WIRES APPEAR ON
PAGE 7



XR1™ Heat-Treated Stainless Steel Archwires - Archform charts on pages 4 & 5

Damon-Compatible

	Trueform™ I		Trueform™ II		Europa™ I		Europa™ II		Standard Form		Bioform I	Bioform II	Bioform III		Bioform IV	Bioform V	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER			UPPER	LOWER			
.012	XRTFU012	XRTFL012	XRTFU112	XRTFL112	XREFU012	XREFL012	XREFU112	XREFL112	XRSFU012	XRSFL012	XRBF112	XRBF212	XRBF3U012	XRBF3L012	XRBF412	XRBF512	.012
.014	XRTFU014	XRTFL014	XRTFU114	XRTFL114	XREFU014	XREFL014	XREFU114	XREFL114	XRSFU014	XRSFL014	XRBF114	XRBF214	XRBF3U014	XRBF3L014	XRBF414	XRBF514	.014
.016	XRTFU016	XRTFL016	XRTFU116	XRTFL116	XREFU016	XREFL016	XREFU116	XREFL116	XRSFU016	XRSFL016	XRBF116	XRBF216	XRBF3U016	XRBF3L016	XRBF416	XRBF516	.016
.018	XRTFU018	XRTFL018	XRTFU118	XRTFL118	XREFU018	XREFL018	XREFU118	XREFL118	XRSFU018	XRSFL018	XRBF118	XRBF218	XRBF3U018	XRBF3L018	XRBF418	XRBF518	.018
.020	XRTFU020	XRTFL020	XRTFU120	XRTFL120	XREFU020	XREFL020	XREFU120	XREFL120	XRSFU020	XRSFL020	XRBF120	XRBF220	XRBF3U020	XRBF3L020	XRBF420	XRBF520	.020
.016x.016	XRTFU1616	XRTFL1616	XRTFU3616	XRTFL3616	XREFU1616	XREFL1616	XREFU3616	XREFL3616	XRSFU1616	XRSFL1616	XRBF11616	XRBF21616	XRBF3U1616	XRBF3L1616	XRBF41616	XRBF51616	.016x.016
.016x.022	XRTFU1622	XRTFL1622	XRTFU3622	XRTFL3622	XREFU1622	XREFL1622	XREFU3622	XREFL3622	XRSFU1622	XRSFL1622	XRBF11622	XRBF21622	XRBF3U1622	XRBF3L1622	XRBF41622	XRBF51622	.016x.022
.016x.025	N/A	N/A	N/A	N/A	XREFU1625	XREFL1625	XREFU3625	XREFL3625	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.016x.025
.017x.017	XRTFU1717	XRTFL1717	XRTFU3717	XRTFL3717	XREFU1717	XREFL1717	XREFU3717	XREFL3717	XRSFU1717	XRSFL1717	XRBF11717	XRBF21717	XRBF3U1717	XRBF3L1717	XRBF41717	XRBF51717	.017x.017
.017x.022	XRTFU1722	XRTFL1722	XRTFU3722	XRTFL3722	XREFU1722	XREFL1722	XREFU3722	XREFL3722	XRSFU1722	XRSFL1722	XRBF11722	XRBF21722	XRBF3U1722	XRBF3L1722	XRBF41722	XRBF51722	.017x.022
.017x.025	XRTFU1725	XRTFL1725	XRTFU3725	XRTFL3725	XREFU1725	XREFL1725	XREFU3725	XREFL3725	XRSFU1725	XRSFL1725	XRBF11725	XRBF21725	XRBF3U1725	XRBF3L1725	XRBF41725	XRBF51725	.017x.025
.018x.018	XRTFU1818	XRTFL1818	XRTFU3818	XRTFL3818	XREFU1818	XREFL1818	XREFU3818	XREFL3818	XRSFU1818	XRSFL1818	XRBF11818	XRBF21818	XRBF3U1818	XRBF3L1818	XRBF41818	XRBF51818	.018x.018
.018x.022	XRTFU1822	XRTFL1822	XRTFU3822	XRTFL3822	XREFU1822	XREFL1822	XREFU3822	XREFL3822	XRSFU1822	XRSFL1822	XRBF11822	XRBF21822	XRBF3U1822	XRBF3L1822	XRBF41822	XRBF51822	.018x.022
.018x.025	XRTFU1825	XRTFL1825	XRTFU3825	XRTFL3825	XREFU1825	XREFL1825	XREFU3825	XREFL3825	XRSFU1825	XRSFL1825	XRBF11825	XRBF21825	XRBF3U1825	XRBF3L1825	XRBF41825	XRBF51825	.018x.025
.019x.025	XRTFU1925	XRTFL1925	XRTFU3925	XRTFL3925	XREFU1925	XREFL1925	XREFU3925	XREFL3925	XRSFU1925	XRSFL1925	XRBF11925	XRBF21925	XRBF3U1925	XRBF3L1925	XRBF41925	XRBF51925	.019x.025
.020x.020	XRTFU2020	XRTFL2020	XRTFU3020	XRTFL3020	XREFU2020	XREFL2020	XREFU3020	XREFL3020	XRSFU2020	XRSFL2020	XRBF12020	XRBF22020	XRBF3U2020	XRBF3L2020	XRBF42020	XRBF52020	.020x.020
.021x.025	XRTFU2125	XRTFL2125	XRTFU3125	XRTFL3125	XREFU2125	XREFL2125	XREFU3125	XREFL3125	XRSFU2125	XRSFL2125	XRBF12125	XRBF22125	XRBF3U2125	XRBF3L2125	XRBF42125	XRBF52125	.021x.025

Order Information:

Standard Pack - 25 archwires/pack

Solo-Packs™ - 10 individually packaged arches per carton -
For Solo-Pack™ wires, add "S" to the end of part number.



Solo-Packs™

Individually sealed autoclavable archwires

- Request Solo-Packs™ at time of order
 - Ten individually sealed archwires per Solo-Pack™ carton
- (Please allow 2-3 days for Solo-Pack™ packaging)

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

Looped Archwires

Precision Manufactured By G&H Wire Company

Stainless Steel Looped

OrthoForce® Archwires



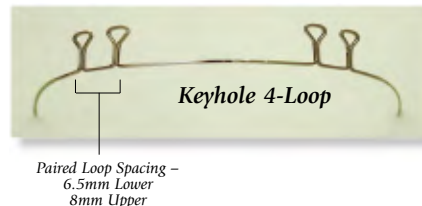
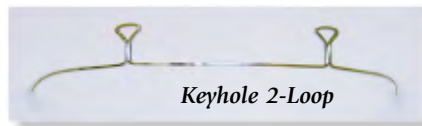
Stainless Steel Looped Retraction Archwires

The product that launched G&H®, our looped retraction arches are still individually formed to exacting standards. Available in stainless steel as listed on this page, and T-Loops are also available in BT3™ Beta Titanium (page 19). Keyhole Loops, Teardrop Loops and T-Loops allow clinicians a choice of 3 distinct designs. These loops make a stainless (or Beta Titanium) archwire a multipurpose treatment adjunct that can achieve various intraoral objectives, often simultaneously. **CE 0120** Such objectives can include:

- Friction-free Segmented retraction
- Opening or closing spaces
- Intruding or Extruding anterior teeth
- Opening or closing the bite
- Leveling the curve of Spee
- Engaging Class I, II, III or up-and-down elastics
- Torquing the anterior or posterior teeth
- Attaching J-hooks for headgear in retracting anterior teeth

■ To select a proper size looped arch, measure along incisal edge from distal of lateral to distal of opposite lateral with a mm ruler. (Rulers on page 88)

Dr. Ron Roth said that for retraction, a stainless loop should be activated by expanding it the "width of one thin dime."



BT3™ Beta Titanium Looped Wires appear on page 21.



Looped sizes 28mm (Lower) & 36mm (Upper) are used the most.

Tech Tip for Looped & Posted Wires:

To apply anterior torque, hold the loop or post by straddling it with a Rose Torquing Plier (page 78). Apply 3rd order bends with a second plier to the anterior segment without distorting the loop or post.



Keyhole	UPPER 34 to 44mm / LOWER 22 to 32mm			
	TRUEFORM™ I		STANDARD	
	2 LOOP	4 LOOP	2 LOOP	4 LOOP
.016	—	—	KHSF2016*	—
.020	—	—	KHSF2020*	—
.016x.016	KHTF21616*	—	KHSF21616*	—
.016x.022	KHTF21622*	KHTF41622*	KHSF21622*	KHSF41622*
.017x.025	KHTF21725*	KHTF41725*	KHSF21725*	—
.018x.025	KHTF21825*	KHTF41825*	—	—
.019x.025	KHTF21925*	KHTF41925*	KHSF21925*	—
.021x.025	—	—	KHSF22125*	KHSF42125*
■ 10/pack		*Insert preferred millimeter size, available in 2mm increments.		
Keyhole KIT	KHTFK2**	KHTFK4**	KHSFK2**	KHSFK4**
■ 100 wires plus dispenser and ruler		**Insert preferred wire size.		

T-Loop	UPPER 36 to 46mm / LOWER 24 to 34mm	
	TRUEFORM™ I	STANDARD
	2 LOOP	2 LOOP
.016x.022	TLTF1622*	TLSF1622*
.017x.025	TLTF1725*	—
.018x.025	TLTF1825*	—
.019x.025	TLTF1925*	TLSF1925*
■ 10/pack		*Insert preferred millimeter size, in 2mm increments.
T-Loop Kit	TLTFK**	TLSFK**
■ 100 wires plus dispenser and ruler		**Insert preferred wire size.

Teardrop	UPPER 36 to 46mm / LOWER 24 to 34mm	
	TRUEFORM™ I	STANDARD
	2 LOOP	2 LOOP
.016x.022	TDTF1622*	TDSF1622*
.017x.022	TDTF1722*	—
.018x.025	TDTF1825*	—
■ 10/pack		*Insert preferred millimeter size, in 2mm increments.
Teardrop Kit	TDTFK**	TDSFK**
■ 100 wires plus dispenser and ruler		**Insert preferred wire size.

Looped Archwire Kit of 100 wires size distribution

MM Sizes	22	24	26	28	30	32	34	36	38	40	42	44	46
Keyhole (quantity per size)	5	5	10	10	10	5	10	10	10	10	10	5	N/A
T-Loop (quantity per size)	N/A	5	10	10	10	5	5	10	10	10	10	10	5
Teardrop (quantity per size)	N/A	5	10	10	10	5	5	10	10	10	10	10	5

Note: Solo-Pack™ not available for looped or posted archwire s

Exclusively from G&H!
MM Ruler
 Our unique double-sided 60mm or 80mm rulers feature a hole to engage a post or hook making space measurement quick, easy and accurate!



Order Information:
60mm Ruler
 Box of 20 **RULERMG**
80mm Ruler
 Box of 20 **RULERMGG**

Posted Archwires



OrthoForce® Stainless Steel Straight Post Archwires

Our straight post & ball end post stainless steel posted arches have .030" silver soldered brass posts. Sized in 2mm increments, upper archwires are available in 34 to 44 mm sizes, lower in 22 to 32mm.



Straight Post – Stainless Steel Archwires

	Trueform™ I	Europa™ I	Europa™ II
.016	PSTF016*	PSEF016*	x
.018	PSTF018*	PSEF018*	x
.020	PSTF020*	PSEF020*	x
.016x.016	PSTF1616*	PSEF1616*	x
.016x.022	PSTF1622*	PSEF1622*	x
.016x.025	x	x	PSEF3625*
.017x.025	PSTF1725*	PSEF1725*	PSEF3725*
.018x.025	PSTF1825*	PSEF1825*	x
.019x.025	PSTF1925*	PSEF1925*	PSEF3925*
.020x.020	PSTF2020*	PSEF2020*	x
.021x.025	PSTF2125*	PSEF2125*	PSEF3125*

■ **10/pack** *Insert preferred millimeter size, available in 2mm increments in sizes 22-44mm

STRAIGHT POST KITS

Trueform™ I	Europa™ I	Europa™ II	
PSTFK **	PSEFK **	.016x.025	PSEFK3625
**Available in all sizes above Insert preferred wire size.		.017x.025	PSEFK3725
		.019x.025	PSEFK3925
		.021x.025	PSEFK3125

■ **100 wires plus dispenser and ruler**

Note: Solo-Pack™ not available for posted or looped archwires

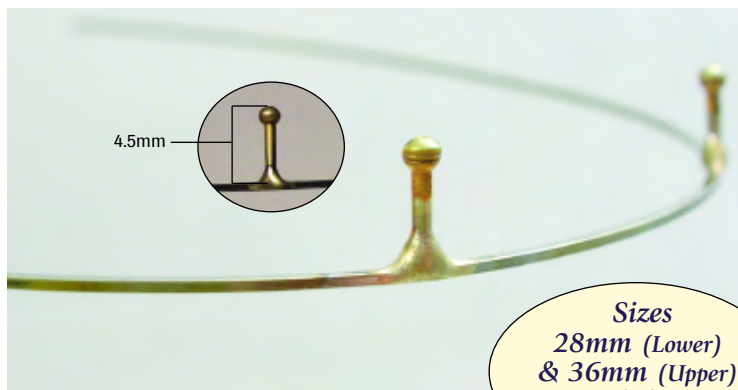


OrthoForce® Stainless Steel XR1™ Ball Post Archwires

Manufactured Exclusively By G&H® Wire Company

The Only Brass Ball-End Posts Available! – Mounted On Heat-Treated Stainless Wires

Our exclusive “XR1™” Ball Post archwires offer the comfort and retention of ball ends plus a bendable brass post. A G&H® proprietary soldering technique ensures clean, strong and consistent joints. The .016x.022, .016x.025 or .019x.025 XR1™ stainless base wire is heat-treated and stress relieved – increasing the resiliency of the wire to improve mechanics. Archforms available are Damon*-compatible, MBT Ovoid or MBT Tapered.



Sizes
28mm (Lower)
& 36mm (Upper)
are used the most.

Brass Ball End Posts Provide

- Patient Comfort
- Maximum Retention
- Adaptability

G&H® Proprietary Solder Technique

- Strong, Secure & Smooth Joints
- No Archwire Annealing

XR1™ Heat-Treated Stainless Base Wire

- Increased Resiliency
- Minimizes Distortion

XR1™ Ball Post –

Brass Ball End Posts On XR1™ Heat-Treated Stainless Steel Archwires

	Europa™ I (MBT ovoid)	Bioform III (MBT tapered)	Europa™ II Universal (Damon*)
.016x.022	x	PXBB31622*	x
.016x.025	x	x	PXBD3625*
.019x.025	PXBE1925*	PXBB31925*	PXBD3925*

■ **10/pack** *Insert preferred millimeter size, available in 2mm increments in sizes 22-44mm.

XR1™ Ball Post Kits

	Europa™ I (MBT ovoid)	Bioform III (MBT tapered)	Europa™ II Universal (Damon*)
.016x.022	x	PXBB3K1622	x
.016x.025	x	x	PXBDK3625
.019x.025	PXBEK1925	PXBB3K1925	PXBDK3925

■ **100 wires plus dispenser and ruler**

Posted Archwire Kit of 100 wires size distribution - Straight Post and Ball Post Kits

MM Sizes	22	24	26	28	30	32	34	36	38	40	42	44	46
Posted (quantity per size)	5	5	10	10	10	5	10	10	10	10	10	5	N/A

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

Tooth-Colored Archwires

Ultraesthetic™ Tooth-Colored Polymer Coating - in G4™ NiTi or S3 Stainless

OrthoForce® Archwires

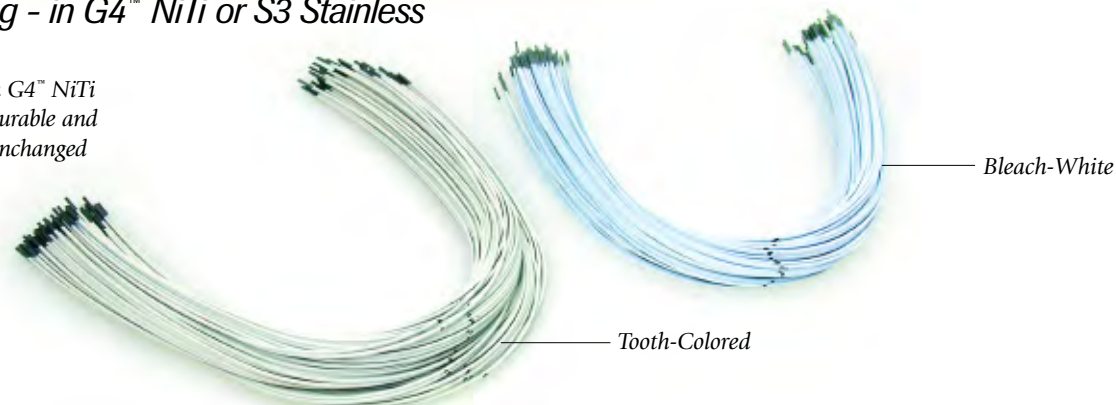


G&H's polymer coated Tooth-Colored wire system is manufactured in both G4™ NiTi and S304 Stainless Steel. The tooth-colored polymer coating is extremely durable and does not change the dimension of the wire. Wire sequencing can remain unchanged since force values and performance is the same as non-coated wires. Two shades available - Tooth-Colored and Bleach-White.

Available in Trueform™ I, Europa™ I and Europa™ II Ultraesthetic™ Archwires are ink midlined - BLACK upper & RED lower

Polymer coating ensures:

- No dimensional change
- Durability - flake resistant
- Full dimensional expression of wire properties



Bleach-White G4™ Nickel Titanium Archwires - Archform charts on pages 4 & 5

	Trueform™ I		Europa™ I		Europa™ II	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.013	N/A	N/A	N/A	N/A	G4EFU113PW	G4EFL113PW
.014	G4TFU014PW	G4TFL014PW	G4EFU014PW	G4EFL014PW	G4EFU114PW	G4EFL114PW
.016	G4TFU016PW	G4TFL016PW	G4EFU016PW	G4EFL016PW	G4EFU116PW	G4EFL116PW
.018	G4TFU018PW	G4TFL018PW	G4EFU018PW	G4EFL018PW	G4EFU118PW	G4EFL118PW
.020	G4TFU020PW	G4TFL020PW	G4EFU020PW	G4EFL020PW	G4EFU120PW	G4EFL120PW
.014x.025	N/A	N/A	N/A	N/A	G4EFU3425PW	G4EFL3425PW
.016x.016	G4TFU1616PW	G4TFL1616PW	G4EFU1616PW	G4EFL1616PW	G4EFU3616PW	G4EFL3616PW
.016x.022	G4TFU1622PW	G4TFL1622PW	G4EFU1622PW	G4EFL1622PW	G4EFU3622PW	G4EFL3622PW
.017x.025	G4TFU1725PW	G4TFL1725PW	G4EFU1725PW	G4EFL1725PW	G4EFU3725PW	G4EFL3725PW
.018x.025	N/A	N/A	N/A	N/A	G4EFU3825PW	G4EFL3825PW
.019x.025	G4TFU1925PW	G4TFL1925PW	G4EFU1925PW	G4EFL1925PW	G4EFU3925PW	G4EFL3925PW

Bleach-White S304 Stainless Steel Archwires - Archform charts on pages 4 & 5

	Trueform™ I		Europa™ I		Europa™ II	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.014	S3TFU014PW	S3TFL014PW	S3EFU014PW	S3EFL014PW	S3EFU114PW	S3EFL114PW
.016	S3TFU016PW	S3TFL016PW	S3EFU016PW	S3EFL016PW	S3EFU116PW	S3EFL116PW
.018	S3TFU018PW	S3TFL018PW	S3EFU018PW	S3EFL018PW	S3EFU118PW	S3EFL118PW
.020	S3TFU020PW	S3TFL020PW	S3EFU020PW	S3EFL020PW	S3EFU120PW	S3EFL120PW
.016x.016	S3TFU1616PW	S3TFL1616PW	S3EFU1616PW	S3EFL1616PW	S3EFU3616PW	S3EFL3616PW
.016x.022	S3TFU1622PW	S3TFL1622PW	S3EFU1622PW	S3EFL1622PW	S3EFU3622PW	S3EFL3622PW
.017x.025	S3TFU1725PW	S3TFL1725PW	S3EFU1725PW	S3EFL1725PW	S3EFU3725PW	S3EFL3725PW
.019x.025	S3TFU1925PW	S3TFL1925PW	S3EFU1925PW	S3EFL1925PW	S3EFU3925PW	S3EFL3925PW

Order Information:

Standard Pack - 10 archwires/pack

Solo-Packs™ - 10 individually packaged arches per carton -

For Solo-Pack™ wires, add "S" to the end of part number.



Solo-Packs™ - Individually sealed autoclavable archwires

• Request Solo-Packs™ at time of order

• Ten individually sealed archwires per Solo-Pack™ carton

(Please allow 2-3 days for Solo-Pack™ packaging)

Tooth-Colored G4™ Nickel Titanium Archwires - Archform charts on pages 4 & 5

	Trueform™ I		Europa™ I		Europa™ II	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.013	N/A	N/A	N/A	N/A	G4EFU113PT	G4EFL113PT
.014	G4TFU014PT*	G4TFL014PT*	G4EFU014PT	G4EFL014PT	G4EFU114PT	G4EFL114PT
.016	G4TFU016PT*	G4TFL016PT*	G4EFU016PT	G4EFL016PT	G4EFU116PT	G4EFL116PT
.018	G4TFU018PT*	G4TFL018PT*	G4EFU018PT	G4EFL018PT	G4EFU118PT	G4EFL118PT
.020	G4TFU020PT	G4TFL020PT	G4EFU020PT	G4EFL020PT	G4EFU120PT	G4EFL120PT
.014x.025	N/A	N/A	N/A	N/A	G4EFU3425PT	G4EFL3425PT
.016x.016	G4TFU1616PT	G4TFL1616PT	G4EFU1616PT	G4EFL1616PT	G4EFU3616PT	G4EFL3616PT
.016x.022	G4TFU1622PT*	G4TFL1622PT*	G4EFU1622PT	G4EFL1622PT	G4EFU3622PT	G4EFL3622PT
.017x.025	G4TFU1725PT	G4TFL1725PT	G4EFU1725PT	G4EFL1725PT	G4EFU3725PT	G4EFL3725PT
.018x.025	N/A	N/A	N/A	N/A	G4EFU3825PT	G4EFL3825PT
.019x.025	G4TFU1925PT	G4TFL1925PT	G4EFU1925PT	G4EFL1925PT	G4EFU3925PT	G4EFL3925PT

Tooth-Colored S304 Stainless Steel Archwires - Archform charts on pages 4 & 5

	Trueform™ I		Europa™ I		Europa™ II	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.014	S3TFU014PT	S3TFL014PT	S3EFU014PT	S3EFL014PT	S3EFU114PT	S3EFL114PT
.016	S3TFU016PT	S3TFL016PT	S3EFU016PT	S3EFL016PT	S3EFU116PT	S3EFL116PT
.018	S3TFU018PT	S3TFL018PT	S3EFU018PT	S3EFL018PT	S3EFU118PT	S3EFL118PT
.020	S3TFU020PT	S3TFL020PT	S3EFU020PT	S3EFL020PT	S3EFU120PT	S3EFL120PT
.016x.016	S3TFU1616PT	S3TFL1616PT	S3EFU1616PT	S3EFL1616PT	S3EFU3616PT	S3EFL3616PT
.016x.022	S3TFU1622PT	S3TFL1622PT	S3EFU1622PT	S3EFL1622PT	S3EFU3622PT	S3EFL3622PT
.017x.025	S3TFU1725PT	S3TFL1725PT	S3EFU1725PT	S3EFL1725PT	S3EFU3725PT	S3EFL3725PT
.019x.025	S3TFU1925PT	S3TFL1925PT	S3EFU1925PT	S3EFL1925PT	S3EFU3925PT	S3EFL3925PT

*Dimple available in Tooth-Colored G4™ Niti sizes .014, .016, .018, & .016x.022 Add "D" before last 2 letters of part number - ex: G4TF U14DPT

Tooth-Colored Archwires

Ultraesthetic™ Tooth-Colored Epoxy coating in S3 Stainless or G4™ NiTi

OrthoForce® Archwires



Manufactured in both G4™ NiTi and S304 Stainless Steel. **Tooth-Colored** epoxy coated archwires necessitate the use of base wires that are .002" smaller than the final coated dimensions, so please consider this when selecting wires to ensure performance will be compatible with treatment objectives.



Tooth-colored archwires are ink midlined (black upper - red lower) for symmetrical identification. After archwire placement, rub midline gently with a cotton swab dipped in isopropyl alcohol—this will remove the majority of ink.

Tooth-Colored G4™ Nickel Titanium Archwires - Archform charts on pages 4 & 5

	Trueform™ I		Europa™ I		Europa™ II		Bioform III	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.012	G4TFU012T	G4TFL012T	G4EFU012T	G4EFL012T	G4EFU112T	G4EFL112T	G4BF3U012T	G4BF3L012T
.014	G4TFU014T	G4TFL014T	G4EFU014T	G4EFL014T	G4EFU114T	G4EFL114T	G4BF3U014T	G4BF3L014T
.016	G4TFU016T	G4TFL016T	G4EFU016T	G4EFL016T	G4EFU116T	G4EFL116T	G4BF3U016T	G4BF3L016T
.018	G4TFU018T	G4TFL018T	G4EFU018T	G4EFL018T	G4EFU118T	G4EFL118T	G4BF3U018T	G4BF3L018T
.020	G4TFU020T	G4TFL020T	G4EFU020T	G4EFL020T	G4EFU120T	G4EFL120T	G4BF3U020T	G4BF3L020T
.016x.022	G4TFU1622T	G4TFL1622T	G4EFU1622T	G4EFL1622T	G4EFU3622T	G4EFL3622T	G4BF3U1622T	G4BF3L1622T
.016x.027	N/A	N/A	N/A	N/A	G4EFU3627T	G4EFL3627T	N/A	N/A
.017x.025	G4TFU1725T	G4TFL1725T	G4EFU1725T	G4EFL1725T	G4EFU3725T	G4EFL3725T	G4BF3U1725T	G4BF3L1725T
.018x.018	G4TFU1818T	G4TFL1818T	G4EFU1818T	G4EFL1818T	G4EFU3818T	G4EFL3818T	G4BF3U1818T	G4BF3L1818T
.018x.025	G4TFU1825T	G4TFL1825T	G4EFU1825T	G4EFL1825T	G4EFU3825T	G4EFL3825T	G4BF3U1825T	G4BF3L1825T
.019x.025	G4TFU1925T	G4TFL1925T	G4EFU1925T	G4EFL1925T	G4EFU3925T	G4EFL3925T	G4BF3U1925T	G4BF3L1925T
.020x.020	G4TFU2020T	G4TFL2020T	G4EFU2020T	G4EFL2020T	G4EFU3020T	G4EFL3020T	G4BF3U2020T	G4BF3L2020T
.021x.025	G4TFU2125T	G4TFL2125T	G4EFU2125T	G4EFL2125T	G4EFU3125T	G4EFL3125T	G4BF3U2125T	G4BF3L2125T

Order Information:

- Standard Pack** - 10 archwires/pack
- Solo-Packs™** - 10 individually packaged arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.



Solo-Packs™
Individually sealed autoclavable archwires
•Request Solo-Packs™ at time of order
•Ten individually sealed archwires per Solo-Pack™ carton
(Please allow 2-3 days for Solo-Pack™ packaging)

Tooth-Colored S304 Stainless Steel Archwires

	Trueform™ I		Europa™ I		Europa™ II		Bioform III	
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
.014	S3TFU014T	S3TFL014T	S3EFU014T	S3EFL014T	S3EFU114T	S3EFL114T	S3BF3U014T	S3BF3L014T
.016	S3TFU016T	S3TFL016T	S3EFU016T	S3EFL016T	S3EFU116T	S3EFL116T	S3BF3U016T	S3BF3L016T
.018	S3TFU018T	S3TFL018T	S3EFU018T	S3EFL018T	S3EFU118T	S3EFL118T	S3BF3U018T	S3BF3L018T
.020	S3TFU020T	S3TFL020T	S3EFU020T	S3EFL020T	S3EFU120T	S3EFL120T	S3BF3U020T	S3BF3L020T
.016x.022	S3TFU1622T	S3TFL1622T	S3EFU1622T	S3EFL1622T	S3EFU3622T	S3EFL3622T	S3BF3U1622T	S3BF3L1622T
.017x.025	S3TFU1725T	S3TFL1725T	S3EFU1725T	S3EFL1725T	S3EFU3725T	S3EFL3725T	S3BF3U1725T	S3BF3L1725T
.018x.018	S3TFU1818T	S3TFL1818T	S3EFU1818T	S3EFL1818T	S3EFU3818T	S3EFL3818T	S3BF3U1818T	S3BF3L1818T
.018x.025	S3TFU1825T	S3TFL1825T	S3EFU1825T	S3EFL1825T	S3EFU3825T	S3EFL3825T	S3BF3U1825T	S3BF3L1825T
.019x.025	S3TFU1925T	S3TFL1925T	S3EFU1925T	S3EFL1925T	S3EFU3925T	S3EFL3925T	S3BF3U1925T	S3BF3L1925T
.020x.020	S3TFU2020T	S3TFL2020T	S3EFU2020T	S3EFL2020T	S3EFU3020T	S3EFL3020T	S3BF3U2020T	S3BF3L2020T
.021x.025	S3TFU2125T	S3TFL2125T	S3EFU2125T	S3EFL2125T	S3EFU3125T	S3EFL3125T	S3BF3U2125T	S3BF3L2125T

Order Information:

- Standard Pack** - 25 archwires/pack
- Solo-Packs™** - 10 individually packaged arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.



Solo-Packs™
Individually sealed autoclavable archwires
•Request Solo-Packs™ at time of order
•Ten individually sealed archwires per Solo-Pack™ carton
(Please allow 2-3 days for Solo-Pack™ packaging)



Prestopped Tooth-Colored G4™ NiTi on page 11.

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon

Tooth-Colored Reverse Curve G4™ NiTi

	Reverse Curve I	
	Tooth-Colored G4™	
	UPPER	LOWER
.012	G4RCU012T	G4RCL012T
.014	G4RCU014T	G4RCL014T
.016	G4RCU016T	G4RCL016T
.018	G4RCU018T	G4RCL018T
.020	G4RCU020T	G4RCL020T
.016x.022	G4RCU1622T	G4RCL1622T
.017x.025	G4RCU1725T	G4RCL1725T
.018x.018	G4RCU1818T	G4RCL1818T
.018x.025	G4RCU1825T	G4RCL1825T
.019x.025	G4RCU1925T	G4RCL1925T
.020x.020	G4RCU2020T	G4RCL2020T
.021x.025	G4RCU2125T	G4RCL2125T

Solo-Packs™
Individually sealed autoclavable archwires
•Request Solo-Packs™ at time of order
•Ten individually sealed archwires per Solo-Pack™ carton
(Please allow 2-3 days for Solo-Pack™ packaging)

Order Information:
Standard Pack - 10 archwires/pack
Solo-Packs™ - 10 individually packaged arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.

Lingual Archwires

Precision Manufactured By G&H® Wire Company

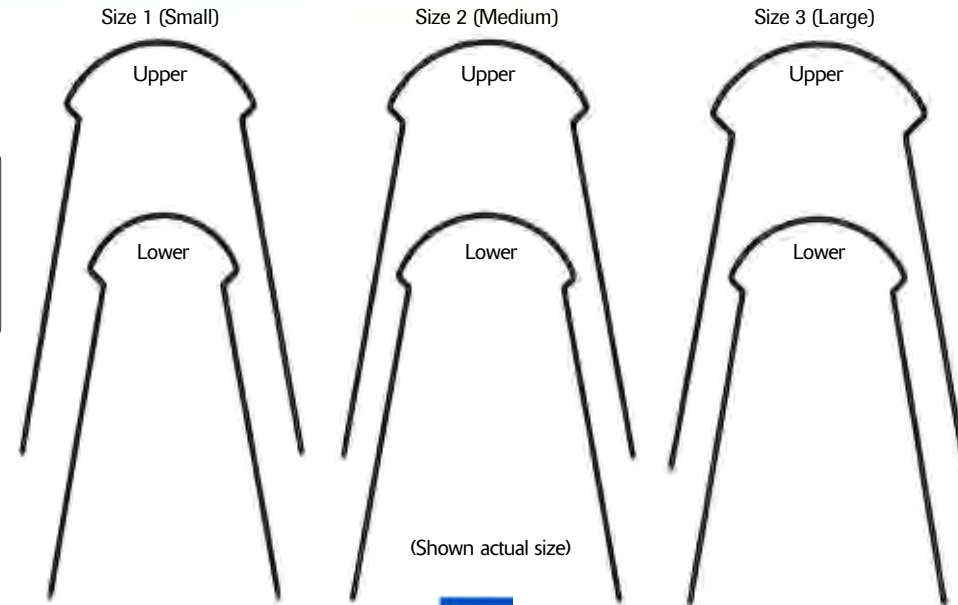
G&H® Lingual Archwires

G&H® proudly introduces a comprehensive line of **Lingual Archwires** developed to meet the challenging mechanics of modern lingual treatment. Archforms are designed and adapted precisely to lingual anatomy. Various alloys are offered to maximize treatment efficiencies in the narrow interbracket dimensions of lingual orthodontic treatment.

Nickel Titanium lingual wires are available in .010, .013, .016 G4™ NiTi for early engagement. M5™ (Thermal) NiTi wires in .016, .016x.022, .017x.017 or .017x.025 allow transitional sequencing. G4™ and M5™ Lingual Wires are produced in the popular "Mushroom" shape lingual archform. Three anterior sizes in both uppers and lowers insure a proper fit.

CE 0120

Span of anterior segment	
Size 1 Upper	32mm
Size 2 Upper	33.5mm
Size 3 Upper	36mm
Size 1 Lower	27mm
Size 2 Lower	30mm
Size 3 Lower	31mm



Stainless Steel and Beta Titanium Lingual Archwires

Stainless Steel or **Beta Titanium** wires are available in a Universal Lingual archform in both round and rectangular sizes. CE 0120

S304 Stainless Steel Lingual Arches 5/pack

S304 Stainless Steel Lingual Form	.014	S3L014
S304 Stainless Steel Lingual Form	.016	S3L016
S304 Stainless Steel Lingual Form	.018	S3L018
S304 Stainless Steel Lingual Form	.016x.022	S3L1622



BT3™ Beta Titanium Lingual Arches 5/pack

BT3™ Beta Titanium Lingual Form	.016	B3L016
BT3™ Beta Titanium Lingual Form	.016x.022	B3L1622
BT3™ Beta Titanium Lingual Form	.0175x.0175	B3L175175



Solo-Packs™
Individually sealed autoclavable archwires

- Request Solo-Packs™ at time of order
- Individually sealed archwires per Solo-Pack™ carton

(Please allow 2-3 days for Solo-Pack™ packaging)

Pre-formed "Mushroom Shape"

G4™ NiTi Lingual Arches 2/pack

G4™ Lingual Small (1) Upper	.010	G4LSU010
G4™ Lingual Medium (2) Upper	.010	G4LMU010
G4™ Lingual Large (3) Upper	.010	G4LLU010
G4™ Lingual Small (1) Lower	.010	G4LSL010
G4™ Lingual Medium (2) Lower	.010	G4LML010
G4™ Lingual Large (3) Lower	.010	G4LLL010
G4™ Lingual Small (1) Upper	.013	G4LSU013
G4™ Lingual Medium (2) Upper	.013	G4LMU013
G4™ Lingual Large (3) Upper	.013	G4LLU013
G4™ Lingual Small (1) Lower	.013	G4LSL013
G4™ Lingual Medium (2) Lower	.013	G4LML013
G4™ Lingual Large (3) Lower	.013	G4LLL013
G4™ Lingual Small (1) Upper	.016	G4LSU016
G4™ Lingual Medium (2) Upper	.016	G4LMU016
G4™ Lingual Large (3) Upper	.016	G4LLU016
G4™ Lingual Small (1) Lower	.016	G4LSL016
G4™ Lingual Medium (2) Lower	.016	G4LML016
G4™ Lingual Large (3) Lower	.016	G4LLL016



Optional Solo-Packs™

- Request Solo-Packs™ at time of order
- add "S" to end of part number
- Two individually sealed G4™ NiTi Lingual archwires per Solo-Pack™ carton

(Please allow 2-3 days for Solo-Pack™ packaging)

Pre-formed "Mushroom Shape"

M5™ Thermal NiTi Lingual Arches 2/pack

M5™ Lingual Small (1) Upper	.016	M5LSU016
M5™ Lingual Medium (2) Upper	.016	M5LMU016
M5™ Lingual Large (3) Upper	.016	M5LLU016
M5™ Lingual Small (1) Lower	.016	M5LSL016
M5™ Lingual Medium (2) Lower	.016	M5LML016
M5™ Lingual Large (3) Lower	.016	M5LLL016
M5™ Lingual Small (1) Upper	.016x.022	M5LSU1622
M5™ Lingual Medium (2) Upper	.016x.022	M5LMU1622
M5™ Lingual Large (3) Upper	.016x.022	M5LLU1622
M5™ Lingual Small (1) Lower	.016x.022	M5LSL1622
M5™ Lingual Medium (2) Lower	.016x.022	M5LML1622
M5™ Lingual Large (3) Lower	.016x.022	M5LLL1622
M5™ Lingual Small (1) Upper	.017x.017	M5LSU1717
M5™ Lingual Medium (2) Upper	.017x.017	M5LMU1717
M5™ Lingual Large (3) Upper	.017x.017	M5LLU1717
M5™ Lingual Small (1) Lower	.017x.017	M5LSL1717
M5™ Lingual Medium (2) Lower	.017x.017	M5LML1717
M5™ Lingual Large (3) Lower	.017x.017	M5LLL1717
M5™ Lingual Small (1) Upper	.017x.025	M5LSU1725
M5™ Lingual Medium (2) Upper	.017x.025	M5LMU1725
M5™ Lingual Large (3) Upper	.017x.025	M5LLU1725
M5™ Lingual Small (1) Lower	.017x.025	M5LSL1725
M5™ Lingual Medium (2) Lower	.017x.025	M5LML1725
M5™ Lingual Large (3) Lower	.017x.025	M5LLL1725



Order Information:

Standard Pack - 5 archwires/pack

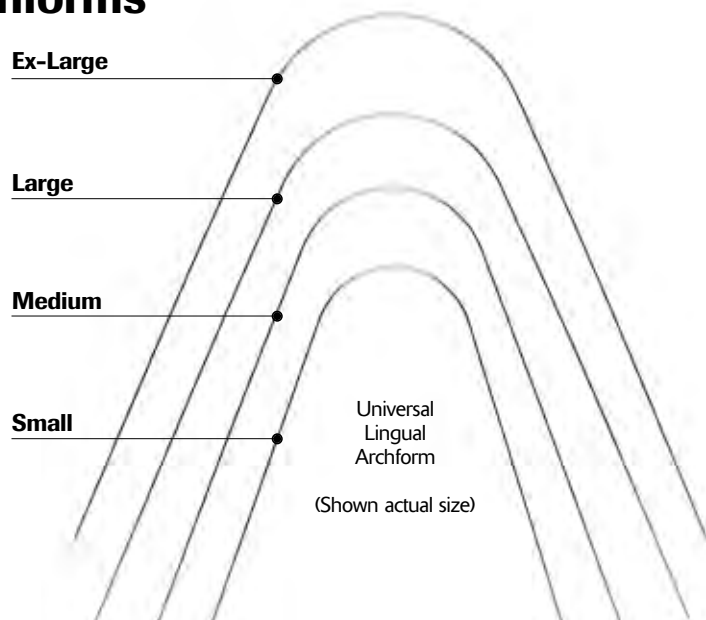
Solo-Packs™ - 5 individually packaged Stainless Steel or BT3™ Beta Titanium Lingual arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.

G&H® Universal Lingual Archforms

G&H® introduces a new universal **Lingual Archwire** developed from G4™ Nickel Titanium and BT3™ Beta Titanium. These universal archforms allow the clinician to apply the offset bends to adapt precisely to lingual anatomy.

Two alloys are offered to maximize treatment efficiencies in the narrow interbracket dimensions of lingual orthodontic treatment.

CE 0120



NiTi Cinch-Back Plier

The NiTi Cinch-Back Plier is designed to place permanent offset bends in Nickel Titanium Archwires. The unique design provides access for cinch-back bends to wires distal to the buccal tubes on either side of the arch. 1st and 2nd order bends can also be made as desired anywhere on the archwire.

Order Code: **GH047**



Phone

Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



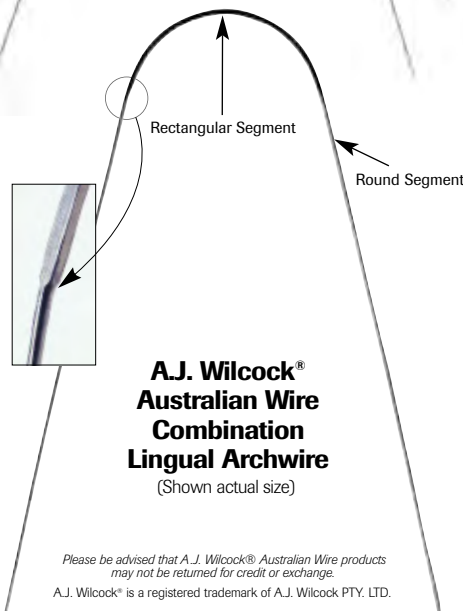
Website

www.ghwire.com



A.J. Wilcock®
Australian Wire

– See pages 34 & 35.



Please be advised that A.J. Wilcock® Australian Wire products may not be returned for credit or exchange.
A.J. Wilcock® is a registered trademark of A.J. Wilcock PTY. LTD.

G4™ NiTi Universal Lingual Archform 5/pack

	Small	Medium	Large	Ex-Large
.010	G4SLUN010	G4MLUN010	G4LLUN010	G4XLUN010
.012	G4SLUN012	G4MLUN012	G4LLUN012	G4XLUN012
.014	G4SLUN014	G4MLUN014	G4LLUN014	G4XLUN014
.016	G4SLUN016	G4MLUN016	G4LLUN016	G4XLUN016
.016 x .022	N/A	N/A	N/A	G4XLUN1622
.017 x .017	N/A	N/A	N/A	G4XLUN1717

BT3™ Beta Titanium Universal Lingual Archform 5/pack

	Small	Medium	Large	Ex-Large
.016	B3SLUN016	B3MLUN016	B3LLUN016	B3XLUN016
.0175 x .0175	B3SLUN17175	B3MLUN17175	B3LLUN17175	B3XLUN17175

Order Information:

Standard Pack – 5 archwires/pack

Solo-Packs™ – 5 individually packaged G4™ NiTi or BT3™ Beta Titanium Lingual arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.



Optional Solo-Packs™

- Request Solo-Packs™ at time of order add "S" to end of part number
- Five individually sealed G4™ NiTi or BT3™ Beta Titanium Lingual archwires per Solo-Pack™ carton (Please allow 2-3 days for Solo-Pack™ packaging)



A.J. Wilcock® Lingual Combination Archwires

Combination Archwires are rectangular in the anterior segment to maintain torque while the round posterior segments allow sliding mechanics with reduced friction. CE 0120

A.J. WILCOCK® LINGUAL COMBINATION ARCHES 2/pack

Anterior .016x.022	Posterior .016	AW671-622*
Anterior .017x.025	Posterior .017	AW671-725*
Anterior .019x.025	Posterior .019	AW671-925*
Anterior .021x.025	Posterior .021	AW672-125*
Anterior .021x.027	Posterior .021	AW672-127*

*Insert preferred millimeter size of anterior - 26mm to 38mm in 2mm increments.

A.J. WILCOCK® LINGUAL COMBINATION KITS

Sizes .016 to .019 (40 wires plus dispenser)	AW671-***KT
Sizes .021x.025 & .021x.027 (40 wires plus dispenser)	AW672-***KT

Please state desired wire size when ordering.

A.J. Wilcock® Combination Wires are not available in Solo-Pack™ packaging.

Multi-Strand Stainless Archwires

Precision Manufactured By G&H® Wire Company

Multi-Strand Stainless Steel

OrthoForce® Archwires



Due to the gentle nature of the wire, **Round stranded wires** are traditionally used in early treatment to correct misaligned teeth. Stranded wires apply a low force level over a given span with minor to moderate deformation depending on the severity of the malocclusion.

Rectangular stranded wires are typically used in transitional applications to align and detail occlusions effectively with comparatively lower force than solid stainless steel archwires. **CE 0120**

Size	Trueform® I 25/pack	Standard Form 25/pack	14" Straight Lengths 25/pack	30' Spools
.0155	3 6	3 6	3 6 7	3 6 7
.0175	3 6	3 6	3 6 7	3 6 7
.0195	3 6	3 6	3 6 7	3 6 7
.0215	3 6	3 6	3 6 7	3 6 7
.016x.016	3 8	3 8	3	
.016x.022	3 8	3 8	3	
.017x.025	3 8	3 8	3	
.018x.025	3 8	3 8	3	
.019x.025	3 8	3 8	3	
.021x.025	8	8	3	



3 = Three Strand 6 = Six Strand 7 = Seven Strand 8 = Eight Strand

3 Three Strand (TWISTED)

	TRUEFORM® I		STANDARD		14" STRAIGHT LENGTHS	30' SPOOLS
	UPPER	LOWER	UPPER	LOWER		
.0155	CTFU155	CTFL155	CSFU155	CSFL155	MS3155	SST3155
.0175	CTFU175	CTFL175	CSFU175	CSFL175	MS3175	SST3175
.0195	CTFU195	CTFL195	CSFU195	CSFL195	MS3195	SST3195
.0215	CTFU215	CTFL215	CSFU215	CSFL215	MS3215	SST3215
.016x.016	CTFU1616	CTFL1616	CSFU1616	CSFL1616	MS3616	N/A
.016x.022	CTFU1622	CTFL1622	CSFU1622	CSFL1622	MS3622	N/A
.017x.025	CTFU1725	CTFL1725	CSFU1725	CSFL1725	MS3725	N/A
.018x.025	CTFU1825	CTFL1825	CSFU1825	CSFL1825	MS3825	N/A
.019x.025	CTFU1925	CTFL1925	CSFU1925	CSFL1925	MS3925	N/A
.021x.025	N/A	N/A	N/A	N/A	MS3125	N/A

6 Six Strand (COAXIAL)

	TRUEFORM® I		STANDARD		14" STRAIGHT LENGTHS	30' SPOOLS
	UPPER	LOWER	UPPER	LOWER		
.0155	CTFU6155	CTFL6155	CSFU6155	CSFL6155	MS6155	SST6155
.0175	CTFU6175	CTFL6175	CSFU6175	CSFL6175	MS6175	SST6175
.0195	CTFU6195	CTFL6195	CSFU6195	CSFL6195	MS6195	SST6195
.0215	CTFU6215	CTFL6215	CSFU6215	CSFL6215	MS6215	SST6215

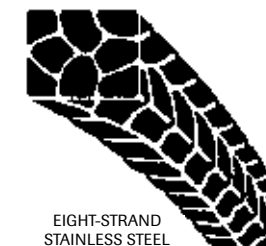
7 Seven Strand (TWISTED)

	14" STRAIGHT LENGTHS	30' SPOOLS
.0155	MS7155	SST7155
.0175	MS7175	SST7175
.0195	MS7195	SST7195
.0215	MS7215	SST7215

.0175 Seven Strand is the most popular wire for bonded lingual retainers.

8 Eight Strand (WOVEN)

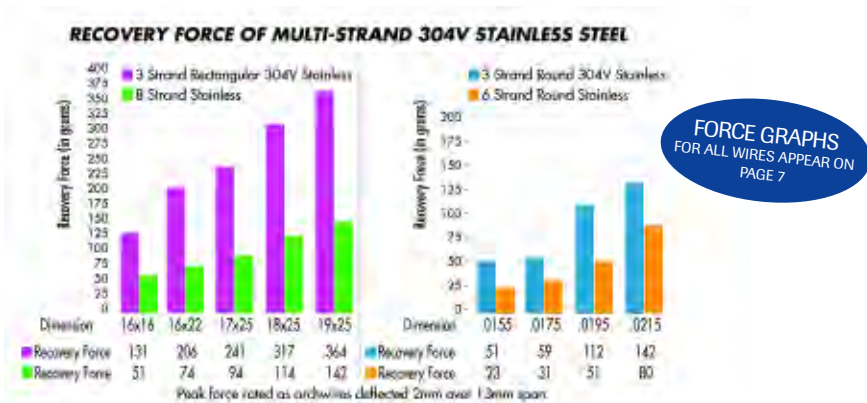
	TRUEFORM® I		STANDARD	
	UPPER	LOWER	UPPER	LOWER
.016x.016	CTFU8616	CTFL8616	CSFU8616	CSFL8616
.016x.022	CTFU8622	CTFL8622	CSFU8622	CSFL8622
.017x.025	CTFU8725	CTFL8725	CSFU8725	CSFL8725
.018x.025	CTFU8825	CTFL8825	CSFU8825	CSFL8825
.019x.025	CTFU8925	CTFL8925	CSFU8925	CSFL8925
.021x.025	CTFU8125	CTFL8125	CSFU8125	CSFL8125



Order Information for all multi-strand archwires:

- Standard Pack** – 25 archwires/pack
- Solo-Packs™** – 10 individually packaged arches per carton - For Solo-Pack™ wires, add "S" to the end of part number.

- Solo-Packs™** Individually sealed autoclavable archwires
- Request Solo-Packs™ at time of order
- Ten individually sealed archwires per Solo-Pack™ carton (Please allow 2-3 days for Solo-Pack™ packaging)



Bonded Retainers

Wires of various alloys and dimensions are frequently used clinically to fabricate bonded lingual retainers. Below are some of the favorite choices of contemporary orthodontists.

Multi-Strand Wire

.0175 – 7-Strand (Twisted) Stainless Steel Wire

14" Straight Lengths or 30" Spools

The most popular wire for bonded lingual retainers

See complete product details on page 30.



Bond-A-Braid



Hilgers Bond-A-Braid® - The dead soft wire easily adapts and is excellent for semi-permanent orthodontic splinting of the upper and lower incisors, diastema maintenance and other tooth splinting.

See complete product details on page 63.



Fiber Reinforced Composites

– everStick® Ortho

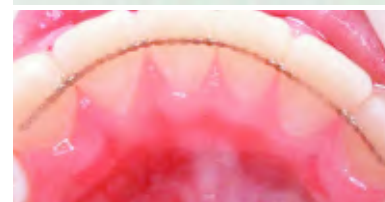


– Enforce FRC



See complete product details on page 70.

Ortho-FlexTech™



Ortho-FlexTech™ - The Next Generation in Lingual Retention Using Solid Gold Chain Retainer

- Stabilizes orthodontic corrections
- Prevents rotational relapses
- Easy application - naturally forms to lingual arch curvature
- Less doctor time / less chair time
- Low failure rate due to "flex linkage"
- No laboratory costs or delays
- Improved patient comfort - lays flat against the teeth
- Lasting esthetics due to 14 karat gold composition
- 30" Length - Makes 25 cuspid to cuspid retainers

See complete product details on page 63.

Adhesives

Flowtain®



Flowtain® is a flowable light cured composite with low viscosity which makes it ideal for bonded lingual retainers and splints.

See complete product details on page 61.

See all adhesives beginning on page 61

LCR Adhesive

LCR® is a light cure retainer adhesive.

See complete product details on page 62.



Wire Bonder / Mini-Mold



Each mold is designed to pack with light cure adhesive, press against tooth, cure and peel away mold leaving a formed auxiliary on any tooth in just minutes.

See complete product details on page 65.



Wire Bonder Tips - Small and Large

Nickel Titanium Straight Lengths and Spools

Nickel Titanium Straight Lengths and Spools

Superelastic spools and straight lengths for archwire and sectional applications **CE 0120**

STRAIGHT LENGTHS		SPOOLED
Round	Superelastic	Superelastic
.010	SENT010	SESP010
.012	SENT012	SESP012
.014	SENT014	SESP014
.016	SENT016	SESP016
.018	SENT018	SESP018
.020	SENT020	SESP020

STRAIGHT LENGTHS	
Rectangular	Superelastic
.014x.025	SENT1425
.016x.016	SENT1616
.016x.022	SENT1622
.016x.025	SENT1625
.017x.025	SENT1725
.018x.018	SENT1818
.018x.025	SENT1825
.019x.025	SENT1925
.020x.020	SENT2020
.021x.025	SENT2125

Order Information:

Straight lengths – 7" lengths, 10/tube
Spooled – 15ft. spool, each



Elastomeric Separators
See page 43

Niti Separating (NEET) Springs

offer efficient force for separating contact points prior to banding. Simple engagement and self activating. **CE 0120**

Order Information:

20/pack – .018" wire diameter
 Bicuspid (Small) Order code: **NEETSM20**
 Molar (Large) Order code: **NEETLG20**

G&H® Laboratory Wire and Straight Lengths

Stainless Steel 14" Straight Lengths

are manufactured from a 304v spring hard wire suitable for clinical and laboratory applications. Its superior resiliency resists deformation. **CE 0120**

Stainless Steel Spring Tempered Wire

14" Straight Lengths ■ 25/tube

Round		Rectangular	
.012	STSS012	.016x.016	STSS1616
.014	STSS014	.016x.022	STSS1622
.016	STSS016	.017x.017	STSS1717
.018	STSS018	.017x.022	STSS1722
.020	STSS020	.017x.025	STSS1725
.022	STSS022	.018x.018	STSS1818
.024	STSS024	.018x.022	STSS1822
.026	STSS026	.018x.025	STSS1825
.028	STSS028	.019x.019	STSS1919
.030	STSS030	.019x.025	STSS1925
.032	STSS032	.020x.020	STSS2020
.036	STSS036	.021x.025	STSS2125
.040	STSS040		
.045	STSS045		
.051	STSS051		

BT3™ Beta Titanium 14" Straight Lengths



BT3™ wire provides the adaptability and handling characteristics of stainless steel with improved memory and gentler force levels, and its nickel-free alloy helps reduce patient sensitivity. **CE 0120**

BT3™ 14" STRAIGHT LENGTHS

 ■ 10/tube

.016	STB3016
.018	STB3018
.028	STB3028
.032	STB3032
.036	STB3036
.016x.016	STB31616
.016x.022	STB31622
.017x.025	STB31725
.0175x.0175	STB37575
.018x.025	STB31825
.019x.025	STB31925
.021x.025	STB32125

Colboly™ Blue Nickel Cobalt Wire

is an excellent choice for use in archwires, and is superb for use in removable and functional appliances. **CE 0120**

Colboly™ Blue Nickel Cobalt

14" straight lengths ■ 25/tube

Round		Rectangular	
.014	STRCB014	.016x.016	STRCB1616
.016	STRCB016	.016x.022	STRCB1622
.018	STRCB018	.017x.025	STRCB1725
.028	STRCB028	.018x.025	STRCB1825
.030	STRCB030	.019x.025	STRCB1925
.032	STRCB032	.021x.025	STRCB2125
.036	STRCB036		
.040	STRCB040		
.045	STRCB045		
.051	STRCB051		



Soft Stainless Steel Wire

.016 annealed soft stainless steel wire is suitable for various applications including securing Rapid Palatal Expander Screws and ligating convertible tubes after cap removal.

Order Information:

15 ft. spool
SSSOF016



Ball Clasps are excellent accessories for removable and fixed appliances. Spring hard temper maintains shape for snug fit. **CE 0120**

Order Information:

1 1/2 inch overall length – 100/pack

- .024 SSBC024
- .028 SSBC028
- .032 SSBC032
- .036 SSBC036
- .040 SSBC040



Silver Solder is cadmium and lead free for dental applications.

Order Information:

1/4 troy oz., .031 diameter
SLVSLD



Precision Manufactured By G&H Wire Company

Colboly™ Blue - Nickel Cobalt Archwires

Colboly™ Blue Nickel Cobalt wire, like Elgiloy® wire, is a unique alloy. Colboly™ Blue allows intricate bending and, if desired, may be heat treated after formation to increase tensile strength and resiliency. **CE 0120**

Colboly™ Blue Archwires

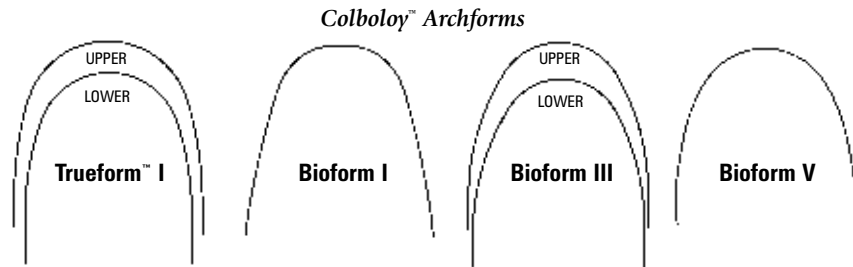
	Trueform™ I		Bioform I	Bioform III		Bioform V	
	UPPER	LOWER		UPPER	LOWER		
.014	CBTFU014	CBTFL014	.014	CBBF114	CBBF3U014	CBBF3L014	CBBF514
.016	CBTFU016	CBTFL016	.016	CBBF116	CBBF3U016	CBBF3L016	CBBF516
.018	CBTFU018	CBTFL018	.018	CBBF118	CBBF3U018	CBBF3L018	CBBF518
.016x.016	CBTFU1616	CBTFL1616	.016x.016	CBBF1616	CBBF3U1616	CBBF3L1616	CBBF5616
.016x.022	CBTFU1622	CBTFL1622	.016x.022	CBBF1622	CBBF3U1622	CBBF3L1622	CBBF5622
.017x.022	CBTFU1722	CBTFL1722	.017x.025	CBBF1725	CBBF3U1725	CBBF3L1725	CBBF5725
.017x.025	CBTFU1725	CBTFL1725	.018x.025	CBBF1825	CBBF3U1825	CBBF3L1825	CBBF5825
.018x.025	CBTFU1825	CBTFL1825	.019x.025	CBBF1925	CBBF3U1925	CBBF3L1925	CBBF5925
.019x.025	CBTFU1925	CBTFL1925					
.021x.025	CBTFU2125	CBTFL2125					

Order Information:

Standard Pack - 25 archwires/pack

Solo-Packs™ - 10 individually packaged arches per carton -

For Solo-Pack™ wires, add "S" to the end of part number.



Colboly™ Straight Lengths appear on page 32.

Elgiloy is a registered trademark of Rocky Mountain Orthodontics, Inc.

Solo-Packs™
Individually sealed autoclavable archwires
•Request Solo-Packs™ at time of order
•Ten individually sealed archwires per Solo-Pack™ carton

A.J. Wilcock® Australian Brass Separating Wire

Brass Separating Wire is high quality corrosion resistant 60/40 brass for posterior separation prior to band placement. **CE 0120**

Please be advised that A.J. Wilcock® Australian Wire products may not be returned for credit or exchange.

Order Information:

8 oz. reel

.018 (545 ft.) AW820-018

.020 (450 ft.) AW820-020



Phone Toll-Free - US/Canada: 800-526-1026 International/Toll: 317-346-6655
 Fax 317-346-6663
 Email ghmail@ghwire.com
 Website www.ghwire.com

Stainless Steel Ligature Ties

G&H® Koby Ties

Koby ties provide an auxiliary hook which can be added to any bracket just by tying in the archwire. They are preformed to be easily tied in place and able to fit most orthodontic brackets. Short ties have pre-wound pigtails for extra easy engagement and are made from easily adaptable .012 or .014 ligature wire. Tooth coated (.014) ties combine the strength and security of metal with the aesthetics needed for ceramic or composite brackets.

CE 0120

Kobayashi Ties

Order Information:

100/pack (scale count)

	Long		Short
.012	KH012	.012	SKH012
.014	KH014	.014	SKH014
		.014	TSKH014 (Tooth colored)



Stainless Steel Ligature Ties

Preformed in dead soft temper

CE 0120

Order Information:

Long	
.008 (1,000/pkg.)	LT008
.009 (1,000/pkg.)	LT009
.010 (1,000/pkg.)	LT010
.011 (1,000/pkg.)	LT011
.012 (1,000/pkg.)	LT012
.012 (100/pkg. Tooth-Colored)	TCLT012
.014 (500/pkg.)	LT014

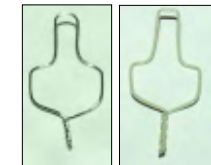


Pre-cut Ligature Ties CE 0120

Order Information:

500/pack (scale count)

.008 Standard color	SLT008
<i>Applicable for lingual bracket engagement</i>	
.010 Standard color	SLT010
.012 Tooth color (500)	TCSLT012
.012 Tooth color (50)	TCSLT012L



Spooled Bulk Ligature Wire

Our spooled ligature wire is diamond drawn to exacting dimension and features a bright finish with soft temper for ease of use. **CE 0120**

Order Information:

Five wire sizes in 1lb. spools

.008 (5,827 ft.)	SBLW108
.009 (4,382 ft.)	SBLW109
.010 (3,730 ft.)	SBLW110
.011 (3,075 ft.)	SBLW111
.012 (2,612 ft.)	SBLW112



ELASTOMERIC LIGATURE TIES
ON PAGE 46 & 47

A.J. Wilcock®  **World Famous – Never Duplicated!**

Australian Wire Products



 **A.J. Wilcock®**
Stainless Steel Wire

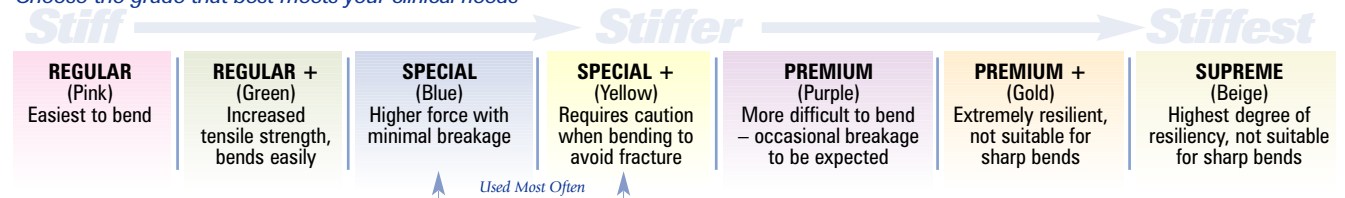
A.J. Wilcock® Australian Wire has earned its reputation as the finest stainless steel of its kind. Strain aged processing ensures extraordinary resilience simply not found in any other orthodontic wire product.
 CE 0120

World Famous – Never Duplicated
A.J. Wilcock® Australian Wire

A.J. Wilcock® Australian Wire is imported exclusively to North America through G&H® Wire Company. These world-renowned stainless steel wire products offer superior hardness and tensile strength for a multitude of applications where exceptional resiliency is desired.
 CE 0120



Choose the grade that best meets your clinical needs



Spooled Australian Wire • 25 feet per spool

	REGULAR PINK	REGULAR+ GREEN	SPECIAL BLUE	SPECIAL+ YELLOW	PREMIUM PURPLE	PREMIUM+ GOLD	SUPREME BEIGE
.009	N/A	N/A	N/A	N/A	N/A	N/A	AW227-060
.010	N/A	N/A	N/A	N/A	N/A	AW228-050	AW228-060
.011	N/A	N/A	N/A	N/A	N/A	AW228-150	AW228-160
.012	AW229-000	AW229-010	AW229-020	AW229-030	AW229-040	AW229-050	N/A
.014	AW230-100	AW230-110	AW230-120	AW230-130	AW230-140	AW230-150	N/A
.016	AW231-300	AW231-310	AW231-320	AW231-330	AW231-340	AW231-350	N/A
.018	AW232-400	AW232-410	AW232-420	AW232-430	AW232-440	AW232-450	N/A
.020	AW233-500	AW233-510	AW233-520	AW233-530	AW233-540	N/A	N/A
.022	AW234-600	N/A	N/A	AW234-630	N/A	N/A	N/A
.024	AW235-700	N/A	AW235-720	AW235-730	N/A	N/A	N/A

 **A.J. Wilcock®**
Stainless Steel Straight Lengths

A.J. Wilcock® Pulse Straightened Australian Wire improves martensitic response and smooth surface characteristics for reduced friction.

Pulse Straightened 10" Straight Lengths Round • 30 per tube

	REGULAR PINK	REGULAR+ GREEN	SPECIAL BLUE	SPECIAL+ YELLOW	PREMIUM PURPLE	PREMIUM+ GOLD	SUPREME BEIGE
.009	N/A	N/A	N/A	N/A	N/A	N/A	AW227-061
.010	N/A	N/A	N/A	N/A	N/A	AW228-051	AW228-061
.011	N/A	N/A	N/A	N/A	N/A	AW228-151	AW228-161
.012	AW229-001	AW229-011	AW229-021	AW229-031	AW229-041	AW229-051	N/A
.014	AW230-101	AW230-111	AW230-121	AW230-131	AW230-141	AW230-151	N/A
.016	AW231-301	AW231-311	AW231-321	AW231-331	AW231-341	AW231-351	N/A
.018	AW232-401	AW232-411	AW232-421	AW232-431	AW232-441	N/A	N/A
.020	AW233-501	AW233-511	AW233-521	AW233-531	AW233-541	N/A	N/A
.022	AW234-601	N/A	N/A	AW234-631	N/A	N/A	N/A
.024	AW235-701	N/A	N/A	N/A	N/A	N/A	N/A

RECTANGULAR • 10 per tube

	SPECIAL BLUE	SPECIAL+ YELLOW
.016 x .016	AW601-616	AW611-616
.016 x .022	AW700-622	AW720-622
.017 x .022	AW700-722	AW720-722
.017 x .025	AW700-725	AW720-725
.018 x .022	AW700-822	AW720-822
.018 x .025	AW700-825	AW720-825
.019 x .025	AW700-925	AW720-925
.021 x .025	AW700-125	AW720-125
.0215 x .027	AW700-1527	AW720-1527



A.J. Wilcock® is a registered trademark of A.J. Wilcock PTY. LTD.

Please be advised that A.J. Wilcock® Australian Wire products may not be returned for credit or exchange.



Preformed Arches

Preformed Australian Archwires are unsurpassed in resiliency and hardness with incredible levels of stored energy for rapid tooth alignment.

Preformed **round arches** are made from Premium, Premium Plus and Special Plus Grade Australian wire. (Premium and Premium Plus are not recommended for intricate bends.)

Preformed **rectangular arches** are manufactured from Special Plus Grade Australian wire. All Wilcock® rectangular archwires are sharp cornered with minimal radius to deliver highest possible torque values and maintain exacting specifications. **CE 0120**

Available in:



Trueform™ I Standard Form

Round – A.J. Wilcock® Australian Wire Arches ▪ 25 per pack

	TRUEFORM™ I		STANDARD FORM	
	UPPER	LOWER	UPPER	LOWER
SPECIAL+				
.014	AWTFU014SP+	AWTFL014SP+	AWSFU014SP+	AWSFL014SP+
.016	AWTFU016SP+	AWTFL016SP+	AWSFU016SP+	AWSFL016SP+
.018	AWTFU018SP+	AWTFL018SP+	AWSFU018SP+	AWSFL018SP+
.020	AWTFU020SP+	AWTFL020SP+	AWSFU020SP+	AWSFL020SP+
.022	AWTFU022SP+	AWTFL022SP+	AWSFU022SP+	AWSFL022SP+
PREMIUM				
.020	AWTFU020	AWTFL020	AWSFU020	AWSFL020
PREMIUM+				
.014	AWTFU014	AWTFL014	AWSFU014	AWSFL014
.016	AWTFU016	AWTFL016	AWSFU016	AWSFL016
.018	AWTFU018	AWTFL018	AWSFU018	AWSFL018

▪ Premium and Premium+ are not recommended for intricate bends

MIDLINE ID Australian arches are ink-midline marked (Blue for Upper and White for lower) or etched depending on wire color.

Rectangular – A.J. Wilcock® Australian Wire Arches ▪ 25 per pack

	TRUEFORM™ I		STANDARD FORM	
	UPPER	LOWER	UPPER	LOWER
SPECIAL+				
.016x.016	AWTFU1616	AWTFL1616	AWSFU1616	AWSFL1616
.016x.022	AWTFU1622	AWTFL1622	AWSFU1622	AWSFL1622
.017x.025	AWTFU1725	AWTFL1725	AWSFU1725	AWSFL1725
.018x.018	AWTFU1818	AWTFL1818	AWSFU1818	AWSFL1818
.018x.022	AWTFU1822	AWTFL1822	AWSFU1822	AWSFL1822
.018x.025	AWTFU1825	AWTFL1825	AWSFU1825	AWSFL1825
.019x.025	AWTFU1925	AWTFL1925	AWSFU1925	AWSFL1925
.020x.020	AWTFU2020	AWTFL2020	AWSFU2020	AWSFL2020
.021x.025	AWTFU2125	AWTFL2125	AWSFU2125	AWSFL2125

Solo-Packs™

- Individually sealed autoclavable archwires
- *Request Solo-Packs™ at time of order
- *Ten individually sealed archwires per Solo-Pack™ carton (Please allow 2-3 days for Solo-Pack™ packaging)

Please be advised that A.J. Wilcock® Australian Wire products may not be returned for credit or exchange.

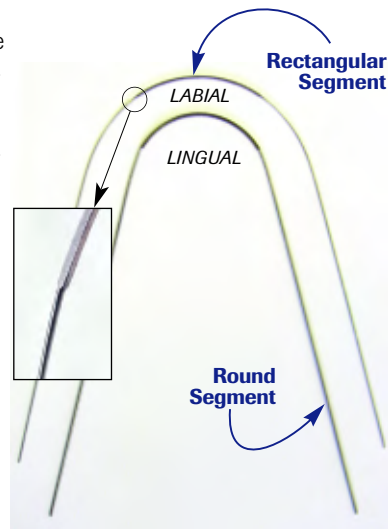


Combination Archwires

These unique, highly resilient Special Plus Grade stainless steel wires are ideal for maintaining arch shape even when other auxiliaries and elastics are being used. Combination wires are rectangular in the anterior segment to maintain torque while the round posterior segments allow sliding mechanics with reduced friction. **CE 0120**



Each Combination Archwire Kit includes our anodized aluminum dispenser.



Labial Available in: Standard Form

Preformed Labial Combination Archwires ▪ 2 per pack

ANTERIOR RECTANGULAR SIZES
26mm to 44mm, in 2mm increments

ANTERIOR POSTERIOR	Special Plus Grade
.016"x.022"	AW771-622*
.016"	
.017"x.025"	AW771-725*
.017"	
.018"x.025"	AW771-825*
.018"	
.019"x.025"	AW771-925*
.019"	

* Insert preferred millimeter size of anterior

Labial Archwire Kit

Please state desired wire size when ordering

LABIAL ARCH
(48 wires plus dispenser)
AW771-*KT**
(Sizes .016 to .019)

Labial Kit - AW771-***KT

mm Size	Qty. in Kit
26	4
28	8
30	4
32	4
34	4
36	8
38	6
40	6
42	2
44	2

Lingual Available in: Universal Lingual

Preformed Lingual Combination Archwires ▪ 2 per pack

ANTERIOR RECTANGULAR SIZES
26mm to 38mm, in 2mm increments

ANTERIOR POSTERIOR	Special Plus Grade
.016"x.022"	AW671-622*
.016"	
.017"x.025"	AW671-725*
.017"	
.019"x.025"	AW671-925*
.019"	
.021"x.025"	AW672-125*
.021"	
.021"x.027"	AW672-127*
.021"	

* Insert preferred millimeter size of anterior

Lingual Archwire Kit

Please state desired wire size when ordering

LINGUAL ARCH
(40 wires plus dispenser)
AW671-*KT**
(Sizes .016 to .019)
AW672-*KT**
(Sizes .021 x .025 & .021 x .027)

Lingual Kit - AW671-***KT

mm Size	Qty. in Kit
26	6
28	6
30	4
32	6
34	8
36	6
38	4



Phone

Toll-Free - US/Canada: 800-526-1026

International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

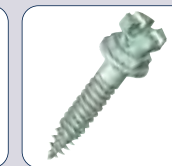
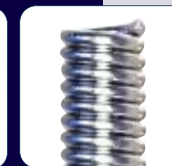
Please be advised that A.J. Wilcock® Australian Wire products may not be returned for credit or exchange.

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G&H® OrthoForce®

Springs, Screws And Auxiliaries

www.ghwire.com



Closed Coil NiTi Spring Kit - page 38



G&H® Photo



TAD Closed Coil NiTi Spring Kit - page 39



G&H® Photo



Orbit™ Temporary Anchorage Implant Screw Kit - page 37



Intraoral photo courtesy of William Hohlt, DDS, ABO

ANCHORAGE IMPLANT SCREWS

Orbit™ Implant Screws, Kits & Components 37

AUXILIARY FORCE PRODUCTS

Expansion Screws 41
Palatal Archbars 41

CRIMPABLE HOOKS AND STOPS 40

SPRINGS

NICKEL TITANIUM

G4™ NiTi Closed Coil 38

G4™ NiTi TAD 39

NiTi Open and Closed Coil 40

STAINLESS STEEL

Stainless Steel Open & Closed Coil Springs 41



Phone

Toll-Free - US/Canada: 800-526-1026



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

ORTHOFORCE®
Orbit™
 ANCHORAGE SCREW IMPLANT SYSTEM

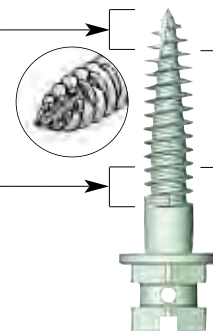
- Manufactured in the U.S.A.
- Constructed of 100% biocompatible Titanium (Ti 6-4 per ASTM F-136)
- Highly polished surface with unique anodized finish to inhibit osseointegration



The Orbit™ Temporary Anchorage Implant Screw

Design assistance by orthopedic screw experts in the "Orthopedic Manufacturing Capital of the World" - Warsaw, Indiana - (home of Zimmer, Biomet, DePuy, Kilgore and more).

- 1). Self-tapping, self-drilling thread**
 - Extra sharp point
 - No pre-drilling; clean secure initial threading
- 2). Cancellous thread**
 - Large pitch - .45mm
 - Engages porous cancellous bone
- 3). Cortical thread**
 - Smaller pitch .43mm
 - Engages dense cortical bone securely
 - Thread O.D. 1.6mm
 - Minor diameter (core) 1.14mm

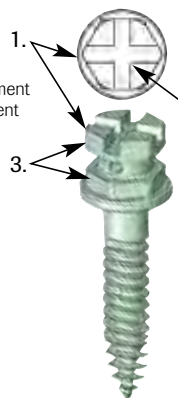


Three sizes - shown actual size



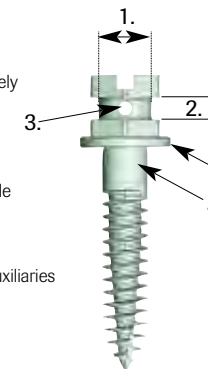
Head design - safe and functional:

- 1). Smooth contours / low profile**
 - Reduces irritation & patient discomfort
 - Hex-head design for socket driver engagement
 - Slot-head design for screwdriver engagement
- 2). Criss-cross head slots**
 - Allows screwdriver engagement
 - .022" wide head slots
- 3). Dual hex heads**
 - Twin hex heads for improved function and safety
 - Hex heads insure secure engagement of socket driver and positive screw insertion
 - Allows operator to "feel" proper insertion
 - Second hex head at thread base
 - Doubles contact points with socket
 - Can function as a rescue head
- 4). Titanium construction**
 - 100% biocompatible Titanium construction
 - Titanium strength and integrity
 - Precision fabrication using technologically advanced equipment



Neck design - highly polished and biocompatible:

- 1). Width 1.9mm - Neck O.D.**
 - Maximizes strength and integrity
 - G&H® TAD spring eyelets lock securely
- 2). Length**
 - Adequate length to engage multiple eyelets, ligature ties or chain
 - Short enough to maintain a low profile
- 3). Slot in neck**
 - .018" slot
 - Accommodates ligatures, wires or auxiliaries



- 4). Self-limiting structurally**
 - Fender washer design - large diameter stop
 - Creates a stop to eliminate over-insertion
 - Covers gingiva around insertion point
 - Provides additional strength and stability
- 5). Gingival Plug**
 - Smooth surface through gingiva
 - Plugs hole created in gingiva
 - 1.6mm O.D.

Components

Driver Handle

- Precision manufactured of anodized aluminum
- Securely engages socket driver or screwdriver shaft
- Smooth movement for precise control



Hole in Driver Handle engages Sterilization Cassette pin for secure storage

Screwdriver and Socket Driver head shafts engage securely in Driver Handle



Orbit™ Screw is securely retained in Socket Driver and Screwdriver head shafts



Sterilization Cassette

- Manufactured of anodized aluminum
- Offers secure and organized storage of drivers and screws
- Autoclavable

Stainless steel pin holds Driver Handle securely

Cassette compartment cover slides open for easy access and secure storage of up to 15 screws and 2 drivers



Driver storage compartments



Trial Kit Available

Orbit™ Kit Box

Order Information:

Complete Kit KTOT

Complete Orbit™ Kit includes:

- (1) Driver Handle
- (1) Sterilization Cassette
- (1) Socket Driver Shaft
- (1) Screwdriver Shaft
- (1) Box (2) 6mm Screws
- (2) Boxes (4) 8mm Screws
- (1) Box (2) 10mm Screws
- Instruction sheet

Trial Kit w/Socket Driver Shaft KTSOT1
 Trial Kit w/Screwdriver Shaft KTSOT2

Orbit™ Trial Kit includes:

- (1) Driver Handle
- (2) Boxes of 8mm screws (2 screws per box)
- (1) Socket Driver or Screwdriver Shaft
- (20) Sterilization Pouches
- Instruction sheet

All Orbit™ Kit Components may also be purchased separately.

Orbit™ TAD Microscrews €€ 0120

- 6mm (2 screws) OTAD6
- 8mm (2 screws) OTAD8
- 10mm (2 screws) OTAD10

Orbit™ Kit Components €€

- Driver OTDRVR
- Socket Head Shaft OTDSOC
- Screwdriver Head Shaft OTDSCR
- Sterilization Cassette OTCAS
- Sterilization Pouches (20 pkg.) OTSTP



CC Spring Kit

CC Closed Coil Spring System™

Only from G&H® Wire Company

The first comprehensive system to provide forces as prescribed.

Featuring G4™ Nickel Titanium Closed Coil Springs

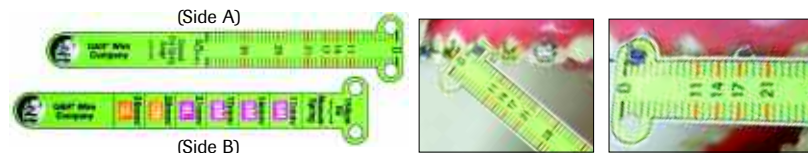


G4™ Nickel Titanium Springs

The unique G4™ Nickel Titanium alloy developed by G&H® is precision formed into closed coil springs. G4™ Springs provide consistent force and remain active until the space is closed. Consistent force values and full recovery are both achieved routinely with G4™ NiTi Springs.

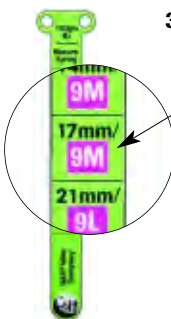
How the CC Spring System Works

I. Measure



1. Use the specially designed CC Ruler. Note that the CC Ruler has holes to simulate the eyelets on a spring.
2. Slip the hole in the CC Ruler over a hook and measure the distance to the opposing hook. Note the closest Landmark Extension Measurement marked in red.

II. Select a Spring



3. Flip the ruler over and see what spring is recommended for the 150gm force range - 9H, 9M, 9L, 12M, or 12L.

-OR-
Refer to the Force Chart and select any force level and size spring desired.

-THEN-
Note the color coded Alpha/Numeric ID of the desired spring.



4. Color coded and Alpha/Numeric sizing simplifies the selection process.

Match the spring size desired to the label on the box. Select box, open and dispense springs.

III. CC Spring Engagement



Measure from hook to hook and select spring.



Force engaged as measured.

“You prescribe the force, we provide the system™”

CC Closed Coil Spring System Components - Order Information / Force Chart OrthoForce® G4™ Nickel Titanium



150 Gram Kit

Weighted kit featuring all necessary CC Springs for 150gm load applications. No matter what the extension, the kit contains the spring to apply 150gms. Kit includes 12 boxes of springs, (sizes may be altered if desired) 3 boxes of 9M, 9H, 2 boxes of 9L, 12L, 12M, 1 box of measuring gauges, inventory kit box and laminated force chart. Kit box keeps inventory neat and secure. Laminated heavy-duty design for extended use. Convenient and functional.

#KTCCOF150



Measuring Gauge

Unique CC ruler features holes to engage a hook simulating a spring eyelet. Measurements from one hook to the opposing hook are exact. Dual sided ruler displays landmark extensions highlighted in red on one side and the corresponding 150gm spring referenced by color coded ID on the other.

CC Ruler Measuring Gauge - (Box of 20)



#CCOFMG



Distinct Identification on CC Spring Boxes

Sizes and force values are clear and accurate at chairside. Color coded ID markings on boxes simplify selection of correct spring. Easy to dispense and reseal.

CC Springs - Individual Box (10 Springs) *Individual order numbers appear on force chart below

(Passive Spring Length) Length	Size	(Force Rating) Force	(10 springs/box) Order Numbers	Extension Measurement Landmarks (mm) / Subsequent Force Values (gms)					
				11mm	14mm	17mm	21mm	28mm	36mm
9mm  Actual Size	9F	Feather Light (50g)	CCOF9FL	30	35	40	50*	X	X
	9X	Extra Light (100g)	CCOF9XL	60	70	80	100*	X	X
	9L	Light (150g)	CCOF9LT	95	115	130	150*	X	X
	9M	Medium (200g)	CCOF9MD	120	145	165	200*	X	X
	9H	Heavy (250g)	CCOF9HV	135	175	210	250*	X	X
12mm  Actual Size	12F	Feather Light (50g)	CCOF12FL	X	30	32	35	40	50*
	12X	Extra Light (100g)	CCOF12XL	X	60	65	70	80	100*
	12L	Light (150g)	CCOF12LT	X	95	100	115	130	150*
	12M	Medium (200g)	CCOF12MD	X	120	130	145	165	200*
	12H	Heavy (250g)	CCOF12HV	X	135	150	175	210	250*

Note: Force Values listed apply only to G4™ OrthoForce® Springs from G&H® Wire Company.

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*Indicates maximum overall extension for the respective spring length. Extending springs beyond the suggested maximum can cause permanent deformation and distort applied force values.



TAD Spring System™

Only from G&H® Wire Company

For Microscrew Implant Engagement

Featuring G4™ Nickel Titanium Closed Coil Springs



G4™ Nickel Titanium TAD Springs

The universal eyelet design fits over virtually any implant screw. A 25% smaller lumen reduces impingement. Available in four lengths and three force values.

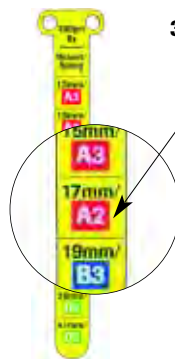
How the TAD Spring System Works

I. Measure



- Use the specially designed TAD Ruler. Note that the TAD Ruler has holes to simulate the eyelets on a spring.
- Slip the hole in the TAD Ruler over the screw head and measure the distance to the hook. Note the closest Landmark Extension Measurement marked in red.

II. Select a Spring

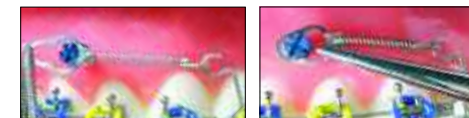


- Flip the ruler over and see what spring is recommended for the 200gm force range - A2, A3, B2, B3, C2, C3 or D2.
- OR-**
Refer to the Force Chart and select any force level and size spring desired.
- THEN-**
Note the color coded Alpha/Numeric ID of the desired spring.



- Color coded and Alpha/Numeric sizing simplifies the selection process. Match the spring size desired to the label on the box. Select box, open and dispense springs.

III. TAD Spring Engagement



Stretch the spring until the wide end of the TAD eyelet can be slipped over the screw.

Pull gently until the eyelet snaps in place locking positively on the screw neck.



Delivery and engagement complete - No ligation necessary

"You prescribe the force, we provide the system™"

TAD Closed Coil Spring System Components – Order Information / Force Chart

OrthoForce® G4® Nickel Titanium



200 Gram Kit

Weighted kit featuring all necessary TAD Springs for 200gm load applications. No matter what the extension, the kit contains the spring to apply 200gms. Kit includes 12 boxes of springs, (sizes may be altered if desired) 1 box of measuring gauges, inventory kit box and laminated force chart. Kit box keeps inventory neat and secure. Laminated heavy-duty design for extended use. Convenient and functional - Springs included: 3 boxes of A2, 2 of A3, B2, B3, 1 of C2, C3, D2.

#KTCCOT200

Measuring Gauge

Unique TAD ruler features holes to engage the screw simulating a spring eyelet. Measurements from the screw to the opposing hook are exact. Dual sided ruler displays landmark extensions highlighted in red on one side and the corresponding 200gm spring referenced by color coded ID on the other.

TAD Ruler Measuring Gauge - (Box of 20)

#CCOTMG

Distinct Identification on TAD Spring Boxes

Sizes and force values are clear and accurate at chairside. Color coded ID markings on boxes simplify selection of correct spring. Easy to dispense and reseal.

TAD Springs - Individual Box (10 Springs) *Individual order numbers appear on force chart below

(Passive Length) Length	SIZE	(Force Rating) Force	(10 springs/box) Order Numbers	Extension Measurement Landmarks (mm) / Subsequent Force Values (gms)									
				13mm	15mm	17mm	19mm	22mm	27mm	31mm	36mm	41mm	
A Extra Short (11mm)	A1	Light (150g)	CCOT45LT	95	125	150*	X	X	X	X	X	X	
	A2	Medium (200g)	CCOT45MD	130	170	200*	X	X	X	X	X	X	
	A3	Heavy (250g)	CCOT45HV	150	210	250*	X	X	X	X	X	X	
B Short (13mm)	B1	Light (150g)	CCOT6LT	X	95	120	130	150*	X	X	X	X	
	B2	Medium (200g)	CCOT6MD	X	125	150	170	200*	X	X	X	X	
	B3	Heavy (250g)	CCOT6HV	X	150	180	200	250*	X	X	X	X	
C Medium (15mm)	C1	Light (150g)	CCOT9LT	X	X	85	100	110	130	150*	X	X	
	C2	Medium (200g)	CCOT9MD	X	X	115	140	150	180	200*	X	X	
	C3	Heavy (250g)	CCOT9HV	X	X	145	165	175	220	250*	X	X	
D Long (17mm)	D1	Light (150g)	CCOT12LT	X	X	X	85	95	110	120	130	150*	
	D2	Medium (200g)	CCOT12MD	X	X	X	110	125	150	170	190	200*	
	D3	Heavy (250g)	CCOT12HV	X	X	X	130	150	175	200	230	250*	

(Springs shown actual size)

*Indicates maximum overall extension for the respective spring length. Extending springs beyond the suggested maximum can cause permanent deformation and distort applied force values.

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Note: Force Values listed apply only to G4™ OrthoForce® Springs from G&H® Wire Company.

G4™ Nickel Titanium Coil Springs

OrthoForce® G4™ NiTi Closed Coil Springs

Closed Coil Springs deliver ideal forces for Class II intra-arch maxillary retraction as well as other space closure and maintenance applications. **CE 0120**

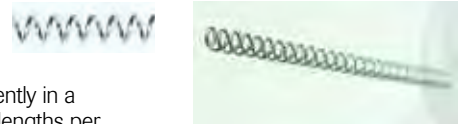


Order Information:
.030" I.D. coil diameter - 21" spool

Closed Coil Springs		
	FORCE	21" Spool
Ultra Light	100 gm	CCNT21075
Light	150 gm	CCNT21150
Medium	200 gm	CCNT21200
Heavy	250 gm	CCNT21250

OrthoForce® G4™ NiTi Open Coil Springs

Open Coil Springs open and maintain space gently and efficiently in a convenient cut to length design. Three 7" lengths per package or convenient 21" spool. **CE 0120**



Order Information:
Three (3) - 7" Straight Lengths or One (1) - 21" Spool

WIRE SIZE	I.D.	FORCE	Force when compressed	Force when compressed	7" STRAIGHT	21" SPOOLED
			25% (.250") (Force in grams)	50% (.500") (Force in grams)		
.009"	.030	Ex-Light	95	225	OCNT09307	OCNT093021
.010"	.030	Light	120	260	OCNT10307	OCNT103021
.010"	.036	Med-Light	90	200	OCNT10367	OCNT103621
.012"	.030	Medium	220	480	OCNT12307	OCNT123021
.012"	.036	Medium-Hvy	180	380	OCNT12367	OCNT123621
.014"	.030	Heavy	360	700	OCNT14307	OCNT143021
.014"	.036	Ex-Heavy	270	560	OCNT14367	OCNT143621
.010"	.045	Facebow	55	120	OCNT10457	OCNT104521

Force determined by compressing a 1" open coil spring 25% (0.250") and 50% (0.500") and capturing the resulting force in grams.

OrthoForce® G4™ NiTi Open Coil Springs

sized in 15mm lengths designed for opening spaces up to 15mm. 10 per box. **CE 0120**



Order Information:
15mm Lengths
10 per box

15mm OPEN COIL SPRINGS • 10 per box

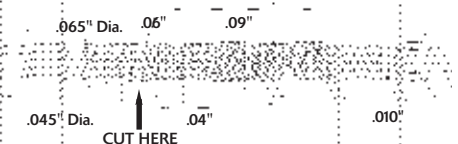
I.D.	FORCE		
.036	100gm	Light	OCNT15100
.036	150gm	Medium	OCNT15150
.036	200gm	Heavy	OCNT15200

Compresses to 3mm
Expands to 15mm

OrthoForce® G4™ NiTi Molar Distalizing Open Coil Springs

deliver gentle 100 grams of force to achieve average 1mm to 1.5mm distalization per month without patient cooperation. Place over archwire and anchor with stop hook and elastics or Nance Appliance for maximum effectiveness. Intermittent closed coil sections allow for end stops when cut to length. .045" I.D. Three 7" lengths per pack, or 21" spool. **CE 0120**

Order Information:
(3) - 7" Lengths **OCNT7045**
(1) - 21" Spool **OCNT2145**



Note: Open and Closed Coil Springs with an .030" I.D. helix can be engaged over G&H® wires up to and including .019" x .025".

Hooks and Stops

V-Slot Auxiliaries

Slide-On Vertical Tube

New tube design which slides on a wire and has a second auxiliary tube positioned vertically. The .020x.020 vertical tube accepts auxiliaries like hooks. **CE**

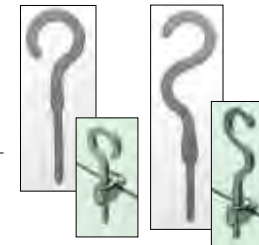


Order Information:
.017x.025 Red I.D. Mark - 20/box **V-T1725**
.019x.025 Black I.D. Mark - 20/box **V-T1925**

Slide V-Tube on Archwire

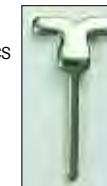
Shepherd Hooks

2 designs - One hook is 4mm high and the other is a double with heights of both 2mm and 6mm. **CE**



Order Information:
4mm 20/box **SHPHK4**
2, 6mm 20/box **SHPHK6**

Stainless Steel "T" Hooks fit all V-Slot Brackets, for Elastics where needed. **CE 0120**



Order Information:
50/pack **THK050**

Surgical Hook Crimping Plier

Designed to crimp auxiliary stops, hooks and posts. **CE**

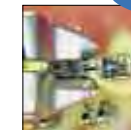
Order code: **ODG633**
Recommended for MIM cast stops and hooks.



Crimping Plier

Crimps stops, hooks, posts and most sleeves. This plier has a wider crimping base than surgical hook plier. Best for pre-stopped wires. **CE**

Order code: **ODG633M**
Recommended for slide on stops.



SEE ALL PLIERS BEGINNING ON PAGE 72

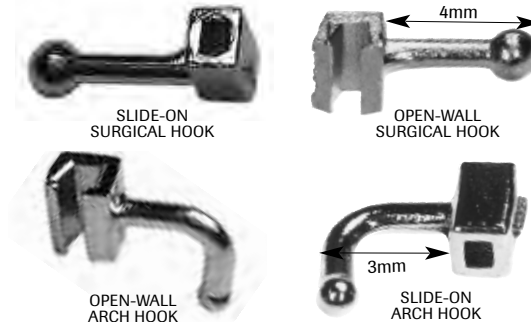
Surgical & Arch Hooks are cast for durability and reliable performance. 10/pack. **CE 0120**

SURGICAL HOOKS WITH 1.25MM BALL • 10/PACK

	Fits .012 thru .018	.020 thru .022x.028
Slide-On	SURHK620C	SURHK621C
Open-Wall (Universal)	SURHK	

ARCH HOOKS WITH .75MM BALL • 10/PACK

	Fits .012 thru .018	.022 thru .022x.028
Slide-On	ARHK632C	ARHK633C
Open-Wall, right	ARHK630CR	ARHK631CR
Open-Wall, left	ARHK630CL	ARHK631CL



Crimpable Micro-Stops

Use as an anchor to limit tooth movement. Thread wire through Micro-Stop, then crimp with any holding plier. **CE 0120**



Order Information:
2mm long - 50/pack
Small (Round) .012 to .018
Large (Rectangular) .020 to .019x.025

CSTOPSM
CSTOPLG

Crimpable Stops

Maintain wire positioning or limit tooth movement. Open wall, MIM Crimpable Stop fits round or rectangular wires .018 to .021x.025. **CE 0120**



Order Information:
2mm long - 10/box **CSTOPOW**

Stainless Steel Springs

Stainless Steel Open & Closed Coil Springs

Our stainless steel open and closed coil springs are available on 21" spools. **CE 0120**



OPEN COIL

OPEN COIL SPRINGS

.010x.028	SSOC1028
.010x.030	SSOC1030
.010x.036	SSOC1036



CLOSED COIL

CLOSED COIL SPRINGS

.010x.030	SSCC1030
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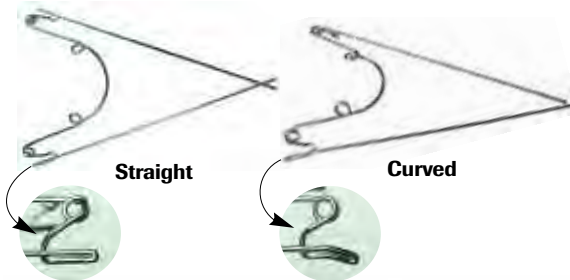
Quad-Helix Expanders

Combining the efficiency of the Quad-Helix appliance with the advantage of easy removal and insertion, allows greater flexibility and control during treatment. Available in various preformed sizes to be used with straight or curved retention sheaths. (Sheaths available separately)

STRAIGHT AND CURVED LINGUAL SHEATHS
APPEAR ON PAGE 58

Order Information:

Quad-Helix Curved	Size 1	QDHXC1
Quad-Helix Curved	Size 2	QDHXC2
Quad-Helix Curved	Size 3	QDHXC3
Quad-Helix Straight	Size 1	QDHXS1
Quad-Helix Straight	Size 2	QDHXS2
Quad-Helix Straight	Size 3	QDHXS3
Packaged individually		



Size Selection:

- Size 1 = 36,20mm
- Size 2 = 39,20mm
- Size 3 = 45,9.30mm



Phone

Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

Auxiliary Force Products

Palatal Arch Bars are formed in .036" stainless with double back bends for arch maintenance, molar rotation and distalization. **CE 0120**

Order Information:

Packs of 5, or in kits (5 each of sizes 37mm to 55mm, 50 pieces total).

SIZE	MESIAL LOOP	DISTAL LOOP	SIZE	MESIAL LOOP	DISTAL LOOP
35mm	PAB35	PAB135	47mm	PAB47	PAB147
37mm	PAB37	PAB137	49mm	PAB49	PAB149
39mm	PAB39	PAB139	51mm	PAB51	PAB151
41mm	PAB41	PAB141	53mm	PAB53	PAB153
43mm	PAB43	PAB143	55mm	PAB55	PAB155
45mm	PAB45	PAB145	KIT	PABK050	PABK150

LINGUAL SHEATHS
APPEAR ON PAGE 58



MESIAL LOOP



DISTAL LOOP

Expansion Screws

- Expansion Screws** are precision made in Germany and available in a variety of styles for various applications. Stainless steel bodies and threads are extremely strong, and the mechanical design minimizes the potential for back-turning. 5 per package - Includes 5 small hand keys **CE 0120**
- Palatal Expansion Screws** are Leone™ design and manufactured in Italy. Renowned for their precision and durability, these palatal expanders are among the finest available. Sold individually - Includes 1 bent and 1 straight hand key with safety leash **CE 0120**



SOFT STAINLESS STEEL WIRE
ON PAGE 32

EXPANSION	ESCR001	ESCR002	ESCR003	ESCR004	PALEXP008	PALEXP009	PALEXP011	PALEXP013
	75mm	5mm	5mm	5mm	8mm	9mm	11mm	13mm
APPLICATION	Upper & Lower Midline	Lower Midline and Arch Lengthening	U-Shape Guide Pin for sectional expansion, arch lengthening and individual tooth movement.		Palatal suture splitting and expansion			
MM SIZE	14x10x3.15	12x7.5x3.5	13x6x3.2	13x7.5x3.5	14x11x3.5			
EXPANSION	Expabent		Torko		Expidier			
	2000/8	8mm	A0623-08	8mm	A0625-09		9mm	
	2000/9	9mm	X0022	8mm	36mm arms			
	2000/11	11mm	A0623-11	11mm	62mm arms			
	2000/13	13mm	X0023	11mm	36mm arms			
					62mm arms			

Swivel Safety Activation Keys

Features secure-grip handle and offset insertion tip to prevent over-seating in screws. The swivel safety key is highly recommended for use with all expansion screws. **CE**

Order Information:
10/pack **EXPKY10**

G&H® OrthoForce®

Elastomeric Force Materials

www.ghwire.com


G&H® OrthoForce®

Elastomeric Products

– Precision Manufactured By G&H® Wire Company

All elastomeric polymers from G&H® are medical grade polymers. We select specific polymers which create consistent forces and resist hydrophilic uptake. All elastomerics should be stored in a cool, dry, dark area for maximum preservation. Exposure to light, whether natural or artificial, has a detrimental effect on resiliency and tear strength.

A few facts concerning elastomeric performance

- 1** Elastomeric materials provide an elevated initial force level which constantly declines once the elastomer has been elongated. The degree of force continues to decline as long as the elastomer remains elongated.
- 2** Elastomeric chain and ligatures should be replaced every three to four weeks to maintain maximum clinical effectiveness. Patients should apply fresh elastics frequently.
- 3** The effectiveness of an elastomeric product depends upon application specifics such as degree of expansion, environment, necessary force and length of time applied.
- 4** Avoid applying chain where the material must be elongated more than 4 times its passive length.

**Private Logo Series
Elastics 44**

**Enchanted™ Series
Latex Elastics 45**

**Non-latex
Elastics 45**

**Bambino Tie™
Ligature Ties 46, 47**

**Dyna-Link™
Elastomeric
Chain 46, 47**

**Versa-Tie™
Ligature Ties 46, 47**

**Canes, Separators,
Thread, Tubing,
Sleeve & Rotation
Wedges 43**



Phone

Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



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317-346-6663



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ghmail@ghwire.com



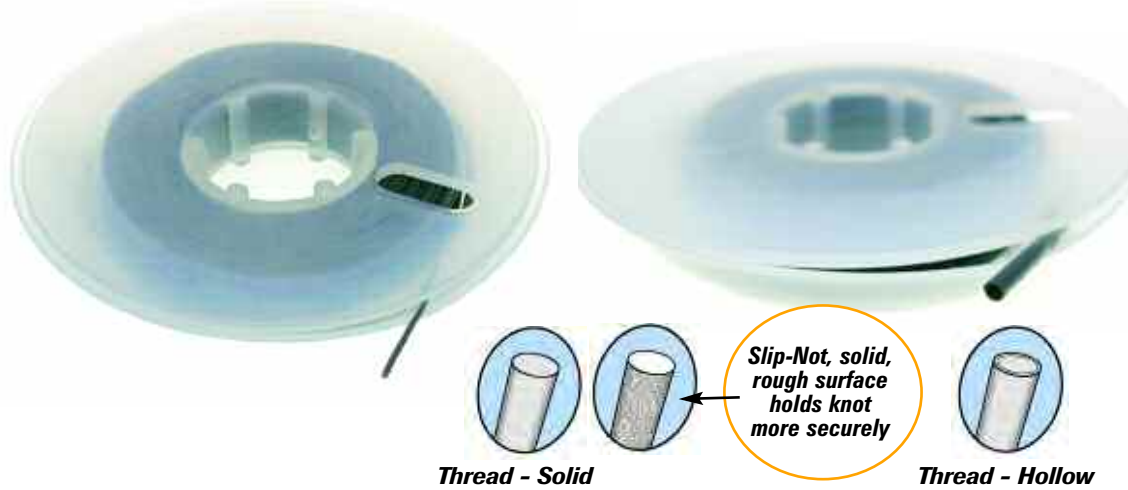
Website

www.ghwire.com

G&H® Elastomers

Elastic Power Threads

Medical grade elastomers precisely extruded for use in rotations and retraction applications. Hollow thread compresses to minimize slippage when knotted. ☺



Order Information: _____
Sold individually - Latex-free
Order Numbers listed below.



THREAD, SOLID (50 ft. spool)	.025"	.030"
Grey	ETGY025	ETGY030
Clear	ETCL025	ETCL030

THREAD, HOLLOW (50 ft. spool)	.025"	.030"
Grey	TBGY025	TBGY030
Clear	TBCL025	TBCL030

THREAD, SLIP-NOT, SOLID (25 ft. spool)	.025"	.030"
Grey	SNTGY025	SNTGY030
Clear	SNTCL025	SNTCL030

Radiopaque Elastomeric Separators

These separators are easily identified on x-ray and offer high resiliency for dependable separation quickly and efficiently. Medium blue color ☺

Order Information: _____
1,000 loose separators per pack
Thickness: .050"
Inside Diameter: .09"
Outside Diameter: .200"



SEE 'NEET' NITI SEPARATORS ON PAGE 32

ROSP1000



SEE 'SEPARATOR PLIER' ON PAGE 73

Nobody Knows Elastomerics Like G&H!

Rotation Wedges

Rotation wedges fit beneath the archwire to administer rotation forces where desired. ☺

Order Information: _____
100 per pack

Clear **RWPC100**
Grey **RWPGY100**



Archwire Sleeve Protective Tubing

Slides over wire to reduce irritation and maintains space where desired. Ideal for extraction site maintenance. ☺

Order Information: _____

3 sizes - 10 ft. per spool

ARCHWIRE SLEEVE	.018"	.027"	.046"
FITS UP TO	.018" ROUND	.021"x.027"	.046" ROUND
Grey	ASPTG018	ASPTG027	ASPTG046
Clear	ASPTC018	ASPTC027	ASPTC046



Clinical Tip:

To engage tubing on full size wires, apply a drop of alcohol to act as a lubricant.

Pre-Loaded Canes and Bulk Ligatures



Make ligature dispensing easy and convenient! Available in 2 sizes and in grey or clear, pre-loaded canes have 50 ligatures each with 20 canes per pack (1000 total pieces). Bulk packs of 5000 loose ligatures per pouch. ☺

Order Information: _____

Pre-Loaded Canes -
20 Canes, each with 50 ligatures per cane.
Bulk Packs - 5,000 loose ligatures per pkg.
Order numbers listed below.

Pre-Loaded Canes and Bulk Ligatures

	.110		.120	
	CANE	BULK	CANE	BULK
Grey	CGY10	BGY10	CGY20	BGY20
Clear	CCL10	BCL10	CCL20	BCL20



Phone

Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

Another Industry First From G&H®! – Every patient carries and displays your **Practice Information** between appointments!

Private Logo Elastic Packs

Your practice logo & contact information preprinted on patient elastic packs!

G&H® Wire introduces an industry first in Elastic Packaging. New "Private Logo Series" elastics display the Doctor's name, practice logo, address and contact information on patient elastic packs. Now for the first time patients can leave the office with a professional and promotional elastic pack in their hand! G&H® will assist in the layout but the design is completely up to you.

- ▶ **Effective and Impressive** way to increase recognition with prospective patients and parents
- ▶ Bags can be designed **to your preference**
- ▶ G&H® will assist in creating a design to **best reflect your practice**
- ▶ **Value Added** upgrade
- ▶ **No** setup or design fees
- ▶ **High quality** layout and printing conveys a positive practice image to current and prospective patients
- ▶ **No Hassle Conversion** Clear and Simple I.D. System Color = Force / Letter = Size

G&H® Private Logo Elastics I.D. sizing system is clear and simple:

Color = Force **Letter** = Dimension

Force Value	Dimension				
	A	B	C	D	E
1/8"	General Packaging	General Packaging	General Packaging	General Packaging	General Packaging
3/16"	General Packaging	General Packaging	General Packaging	General Packaging	General Packaging
1/4"	General Packaging	General Packaging	General Packaging	General Packaging	General Packaging
5/16"	General Packaging	General Packaging	General Packaging	General Packaging	General Packaging
3/8"	General Packaging	General Packaging	General Packaging	General Packaging	General Packaging
Light = RED	General Packaging A	General Packaging B	General Packaging C	General Packaging D	General Packaging E
Medium = GREEN	Private Logo Available A	Private Logo Available B	Private Logo Available C	Private Logo Available D	General Packaging E
HEAVY = Blue	Private Logo Available A	Private Logo Available B	Private Logo Available C	Private Logo Available D	General Packaging E
X-HEAVY = BROWN	General Packaging A	General Packaging B	General Packaging C	General Packaging D	General Packaging E

Due to production costs, we ask a minimum of 5 boxes per elastics size per order be purchased. This minimum applies to private logo designed bags only. All G&H® elastics have a 3 year shelf-life.

Contact us for a **Custom Designed** mock-up with your logo!
800-526-1026 or ghmail@ghwire.com

Your Logo and Practice Information Here



Each Private Logo Series latex elastic carton contains 50 patient packs of 100 elastics. (5,000 Elastics)

**Neon color elastics available in Private Logo sizes only*



"Private Logo Elastics are professional and present a positive image to patients and parents"

Manufacturing G&H® OrthoForce® Elastics

The quality of Orthodontic Elastics varies greatly depending on the manufacturer. Elastics manufacturers face significant challenges in controlling quality as massive quantities are produced. G&H® Wire is a precision manufacturer of Elastics and understands the importance of consistent force values. G&H® has developed manufacturing processes which include in-process testing and recalibration to insure the elastics we supply meet the stringent force value tolerances you require.



Fresh Latex – G&H® uses only Surgical Class I Grade natural latex with exacting I.D. and O.D. tolerances. Weekly shipments of tubing and a "Just in time" inventory system insure fresh latex for maximum performance elastics.



G&H® precision cutter blades are recalibrated and sharpened multiple times daily. Elastics are precision cut to force value. Clean-cut edges insure consistent expansion and force.



G&H® calibrated load cell testing every 15 minutes during production insures exact and consistent force values. Elastics are tested at the industry standard expansion of 3 times passive diameter. Elastics are also 100% visually inspected and quality checked.

OrthoForce® LATEX ELASTICS

Manufactured By
G&H® Wire Company

Enchanted™ Series



All G&H® Enchanted™ Series Latex Elastics are packaged for quick and unique identification.

G&H® manufactures amber and assorted color elastics from the finest surgical grade natural latex rubber to ensure reliable force delivery. Elastics are pre-packed in color coded Enchanted™ Patient Packs of 100 elastics, and are dispensed from Enchanted™ Cartons—50 patient packs per box (5,000 total elastics). ☪

Patient Pack Dispenser Box

I.D. Label clearly identifies elastics

Laminated Cardboard Construction & Colorful artwork compliments operator

- Holds 50 Patient Packs
- Resists moisture
- Insures fresh elastics - dry, clean storage

Dispenser box stands on counter or fits in a convenient wall dispenser

Patient-friendly easy to grab patient packs

100 pre-cut elastics in a pack - lightly talced for easy handling with no residue

Air-tight seal insures elastics are fresh and uncontaminated

Color-coded bag with specific character for easy force and size identification

Elastic placement instrument included at no charge in each pack

Patient Pack



Elastic Placement Tool included in each Enchanted™ pack!



Elastic Placement Tools also available in Bulk - See page 89.

Enchanted™ Series INTRAORAL AND EXTRAORAL LATEX ELASTICS

1/8" (3,18mm) ORANGE BAG

		CHARACTER	AMBER	COLOR
Light	2.5 oz. (70,88g)	Leprechaun	18LTAM	N/A
Medium	4.5 oz. (127,58g)	Dragon	18MDAM	18MDAC
Heavy	6.5 oz. (184,28g)	Wizard	18HVAM	18HVAC

3/16" (4,77mm) BLUE BAG

		CHARACTER	AMBER	COLOR
Light	2.5 oz. (70,88g)	Frog Prince	36LTAM	N/A
Medium	4.5 oz. (127,58g)	Genie	36MDAM	36MDAC
Heavy	6.5 oz. (184,28g)	Unicorn	36HVAM	36HVAC
Extra Heavy	8.5 oz. (240,98g)	Gnome	36XHAM	N/A

1/4" (6,35mm) GREEN BAG

		CHARACTER	AMBER	COLOR
Light	2.5 oz. (70,88g)	Giant	14LTAM	N/A
Medium	4.5 oz. (127,58g)	Sprite	14MDAM	14MDAC
Heavy	6.5 oz. (184,28g)	Pegasus	14HVAM	14HVAC
Extra Heavy	8.5 oz. (240,98g)	Minotaur	14XHAM	N/A

5/16" (7,95mm) RED BAG

		CHARACTER	AMBER	COLOR
Light	2.5 oz. (70,88g)	Centaur	56LTAM	N/A
Medium	4.5 oz. (127,58g)	Trumpeter	56MDAM	56MDAC
Heavy	6.5 oz. (184,28g)	Knight	56HVAM	56HVAC
Extra Heavy	8.5 oz. (240,98g)	Jester	56XHAM	N/A

3/8" (9,52mm) PURPLE BAG

		CHARACTER	AMBER
Light	2.5 oz. (70,88g)	Pirate	38LTAM
Medium	4.5 oz. (127,58g)	Barbarian	38MDAM
Heavy	6.5 oz. (184,28g)	Roman Soldier	38HVAM



1/2" Extra-Oral Latex Elastics

available in Bulk Pouches of 1,000 elastics, natural latex and amber color only. ☪

1/2" (12,70mm) Extra-Oral Elastics, Bulk Only (1000/pk) 8 oz. or 16 oz.

Order codes:

8 oz. **AX012B** • 16 oz. **AXH12B**

Non-Latex Elastics

Non-Latex Elastics are ideal for avoiding patient sensitivity to latex. Manufactured of a unique polymer which eliminates the protein and other potential allergy reacting compounds associated with latex. Pouches contain 100 patient packs of 100 elastics. Available in Natural color only. ☪

Order Information:

100 patient packs of 100 elastics per pouch.
Natural color only.
Order codes listed below.



NON-LATEX ELASTICS

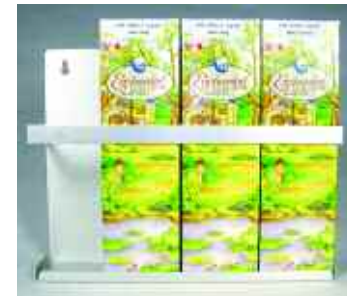
SIZE	COLOR		4.5 OZ. MEDIUM	6.5 OZ. HEAVY
1/8"	Orange Label	Natural	LFM18	LFH18
3/16"	Blue Label	Natural	LFM36	LFH36
1/4"	Green Label	Natural	LFM14	LFH14
5/16"	Red Label	Natural	LFM56	LFH56



MORE LATEX-FREE ELASTOMERICS ON PAGES 43-47.

MORE PRODUCTS FOR SENSITIVE PATIENTS!

BT3™ Beta Titanium Archwires - pg. 21
Apollo™ Class Nickel-free Brackets - pg. 49



Dimensions: 3" deep x 12 7/8" long x 10" high

DISPENSER FOR CARTON ELASTICS

dispenses up to four cartons of elastics. Recommended for use with Enchanted™ Series Elastics. Anodized aluminum.

Order code: **ELDS400**

See all our dispensers on page 90.

OrthoForce® Elastomerics



Phone

Toll-Free - US/Canada: 800-526-1026 | International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

Elastomeric Ligature Ties

OrthoForce®

Versa-Ties™

LATEX-FREE

Our Versa-Tie™ elastomeric ligatures are designed to maximize clinical functionality and treatment efficiency: ☺☺

Pictured actual size



Available In All 33 Colors!

Optimum Size Ties –
.120 diameter

Engage with a firm feel –
Facilitate tooth movement & retention

Score line –
allows easy conversion to half-sticks – Avoids waste and cross-contamination

Patient specific –
22 ties per stick

Etched thumb tabs –
for secure grip with gloves

Colors coordinate with Dyna-Link™ Chain

Order Information:

22 Ties per stick - 46 Sticks per package
Colors and Order Numbers listed on next page.
(Actual product colors may vary slightly)



Multi-Color Packs

Versa-Tie™ and Bambino-Tie™ Elastomeric Ligature Ties

Three different multi-color packages of 46 Versa-Tie™ or 84 Bambino™ sticks are now available. See what colors your patients prefer! (See Multi-Pack colors and order information on next page)

OrthoForce®

Bambino-Ties™

LATEX-FREE

G&H® introduces a new design in Elastomeric Ligatures ☺☺



Available In All 33 Colors!

12 Ties per stick –
eliminates waste and cross-contamination

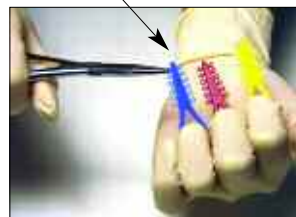
.120 Diameter –
Optimum size

Elasticity and recovery –
allow retention to any size bracket

Hold securely or wear on fingers

Soft feel –
Positive engagement

Pictured actual size



Multi-color applications –
Several colors can be worn on fingers

Colors and order codes shown on next page.

Colors coordinate with Dyna-Link™ Chain

Order Information:

12 Ties per stick - 84 Sticks per package
Colors and Order Numbers listed on next page.
(Actual product colors may vary slightly)

Elastomeric Chain

OrthoForce®

Dyna-Link™ Chain

LATEX-FREE



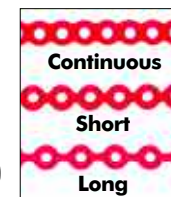
Available In All 33 Colors!

.026" thick

Dyna-Link™ Elastomeric Chain offers superior memory and durability characteristics with excellent color stability and stain resistance. G&H® precision engineers each style of **Dyna-Link™** to exacting standards to ensure consistent force delivery with minimal decay rates. ☺☺

Dyna-Link™ Elastomeric Chain is precision manufactured and scientifically tested by G&H® Wire to ensure:

- Continuous, gentle force for predictable tooth movement
- High elasticity with superior memory and rebound
- Excellent color stability
- 3 Spacing variations between links
- 31 Colors available (see chart)
- .026" Thickness



Actual size

Colors coordinate with Bambino-Ties™ and Versa-Ties™

Order Information:

15 ft. spool
Colors and Order Numbers listed on next page.
(Actual product colors may vary slightly)

OrthoForce®

Slim-Chain™

LATEX-FREE

Thin Elastomeric Chain – .018" Profile Thickness

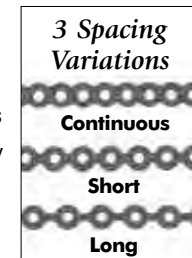


Available In Clear, Pearl & Silver

Only .018" thick

Slim-Chain™ – The Ultimate Elastomeric Chain
G&H®'s new Slim-Chain™ is a thin version for increased comfort and also to accommodate lingual treatment mechanics. Only .018" in thickness, this chain has a low profile along with the elasticity and recovery needed for effective movement. ☺☺

- Low Profile - Great for lingual treatment and comfort
- Thinner Chain - Easier to ligate under tie wings / self-ligating brackets
- Superb Resiliency & Memory



Actual size

3 Colors Available –

CLEAR	PEARL	MET. SILVER
Clear Slim-Chain™	Pearl Slim-Chain™	Silver Slim-Chain™
Continuous - CDLCLT	Continuous - CDLPLT	Continuous - CDLSVT
Short - SDLCLT	Short - SDLPLT	Short - SDLSVT
Long - LDLCLT	Long - LDLPLT	Long - LDLSVT

Color Chart Versa-Tie™ & Bambino-Tie™ Elastomeric Ties / Dyna-Link™ Elastomeric Chain

PEARL	GLOW	NEON GREEN	PEARL GREEN	GLOW BLUE	PEARL BLUE	LAVENDER	MAROON	TOOTH
CLEAR	GRAY	MET. SILVER	MET. GOLD	MET. PURPLE	MET. RED	MET. BLUE	ROYAL BLUE	SMOKE
LT. SKY BLUE	DEEP SKY BLUE	NAVY BLUE	GREEN	TRANS. GREEN	RUBY RED	TURQUOISE	WHITE	
	FUCHSIA	BLACK	ORANGE	FLUORESCENT ORANGE	YELLOW	HOT PINK	FLUORESCENT PINK	

33 Colors to Choose From!



Elastomeric Ligature Display Booklet

Neatly displays elastomeric ligature ties for color selection by patient or clinician. Holds 34 tie sticks, Versa-Tie™ or Bambino Tie™. Available with or without ligatures. Comes with color identification labels. Measures 7"x7" when folded

Un-Filled Display - Order Code: **DBK**
 Filled Versa-Tie™ Display - Order Code: **DBKVT**
 Filled Bambino-Tie™ Display - Order Code: **DBKBT**

	Versa-Tie™	Bambino-Tie™	Dyna-Link™ Chain		
			Continuous	Short	Long
□ Pearl	VTPL46	BTPL84	CDLPL	SDLPL	LDLPL
□ Glow	VTGW46	BTGW84	CDLGW	SDLGW	LDLGW
□ Neon Green	VTNG46	BTNG84	CDLNG	SDLNG	LDLNG
□ Pearl Green	VTPG46	BTPG84	CDLPG	SDLPG	LDLPG
□ Glow Blue	VTGB46	BTGB84	CDLGB	SDLGB	LDLGB
□ Pearl Blue	VTPB46	BTPB84	CDLPB	SDLPB	LDLPB
□ Lavender	VTLV46	BTLV84	CDLLV	SDLLV	LDLLV
□ Maroon	VTMA46	BTMA84	CDLMA	SDLMA	LDLMA
□ Clear	VTCL46	BTCL84	CDLCL1	SDLCL1	LDLCL1
□ Gray	VTGY46	BTGY84	CDLGY	SDLGY	LDLGY
□ Metallic Silver	VTSV46	BTSV84	CDLSV	SDLSV	LDLSV
□ Metallic Gold	VTGD46	BTGD84	CDLGD	SDLGD	LDLGD
□ Metallic Purple	VTPP46	BTPP84	CDLPP	SDLPP	LDLPP
□ Metallic Red	VTMR46	BTMR84	CDLMR	SDLMR	LDLMR
□ Metallic Blue	VTMB46	BTMB84	CDLMB	SDLMB	LDLMB
□ Royal Blue	VTRB46	BTRB84	CDLRB	SDLRB	LDLRB

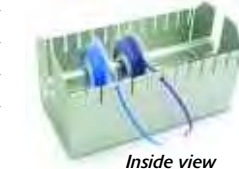
	Versa-Tie™	Bambino-Tie™	Dyna-Link™ Chain		
			Continuous	Short	Long
□ Lt. Sky Blue	VTLS46	BTLS84	CDLLS	SDLLS	LDLLS
□ Deep Sky Blue	VTDS46	BTDS84	CDLDS	SDLDS	LDLDS
□ Navy Blue	VTNB46	BTNB84	CDLNB	SDLNB	LDLNB
□ Green	VTGR46	BTGR84	CDLGR	SDLGR	LDLGR
□ Trans. Green	VTTG46	BTTG84	CDLTG	SDLTG	LDLTG
□ Ruby Red	VTRR46	BTRR84	CDLRR	SDLRR	LDLRR
□ Turquoise	VTTQ46	BTTQ84	CDLTQ	SDLTQ	LDLTQ
□ White	VTWT46	BTWT84	CDLWT	SDLWT	LDLWT
□ Fuchsia	VTFU46	BTFU84	CDLFU	SDLFU	LDLFU
□ Black	VTBK46	BTBK84	CDLBK	SDLBK	LDLBK
□ Orange	VTOR46	BTOR84	CDLOR	SDLOR	LDLOR
□ Fluor. Orange	VTFO46	BTFO84	CDLFO	SDLFO	LDLFO
□ Yellow	VTYW46	BTYW84	CDLYW	SDLYW	LDLYW
□ Hot Pink	VTPK46	BTPK84	CDLPK	SDLPK	LDLPK
□ Fluor. Pink	VTFP46	BTFP84	CDLFP	SDLFP	LDLFP
□ Tooth	VTTC46	BTTC84	CDLTC	SDLTC	LDLTC
□ Smoke	VTSM46	BTSM84	CDLSM	SDLSM	LDLSM



G&H® Elastomeric Chain Dispenser

Our chain dispenser features a lid that encloses the spools to prevent inadvertent contamination. Stores twelve spools. Measures 3" wide x 8 1/2" long x 3 3/8" high. Made of anodized aluminum with a brushed finish.

Order Code: **CHDSA700**



Inside view

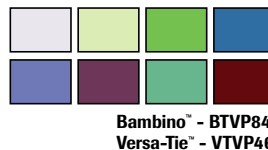
Multi-Color Packs

Versa-Tie™ and Bambino-Tie™ Elastomeric Ligature Ties

Three different multi-color packages of 46 Versa-Tie™ or 84 Bambino™ sticks are now available from G&H®. See what colors your patients prefer! ☺

Vibrant Pack

Includes: Pearl, Glow, Neon Green, Pearl Green, Glow Blue, Pearl Blue, Lavender, Maroon ☺



Assorted Pack

Includes: Black, Light Sky Blue, Pink, Green, Royal Blue, Ruby Red, Orange, and Metallic Purple ☺



Rainbow Pack

Includes: Metallic Gold, Metallic Red, Yellow, Metallic Blue, Deep Sky Blue, Fuchsia, Dark Transparent Green, Turquoise ☺



Actual product colors may vary slightly.

NOTE: Clear, Gray, and Metallic Silver are not included in Multi-Color packs.

G&H®

Brackets, Tubes & Bands

www.ghwire.com


**Apollo™ Series
Nickel-Free
Brackets** 49

**Nova™ Series
Brackets** 50

Straight-Line™ Brackets

Roth 51

Bioform 53

V-Slot 52

Alexander 53

**Standard
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Ceramic & Composite
Brackets** 54, 55

Buccal Tubes 57 & 59

**Lingual
Attachments** 58

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Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com



Apollo™ Nickel-Free Stainless Steel Brackets

G&H® Apollo™ class biocompatible orthodontic products represent nickel-free alternatives for biocompatibility in patients who experience sensitivity to nickel bearing products. **CE 0120**



- Mini-Twin Design -

Cast Ball End Hooks at no extra charge

MIM Molded for increased strength, closer tolerances, and smoother contours

Low Profile for patient comfort

Rounded Smooth Edges for comfort

Quadrant Color Coding with permanent recessed ID mark on the distolingual

MIM Molded from Nickel-Free Stainless Steel

Sweeping Tie Wing Undercuts for easy & secure ties

Rhomboidal Shape with center scribe line for accurate placement

FACIAL

Sandblasted Bonding Base for increased bond strength

Compound Contours for anatomical close fit

MIM Molded from Nickel-Free Stainless

Torque built into base

BASE

Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

*Other Nickel-Free Products

Apollo™ Bondable Buccal Tubes . . .page 59

Roth Rx Apollo™ Brackets

Color coded I.D. marks noted beside part number

• Single dot on disto-lingual wing

•• Double dot (one on each gingival tie-wing) denotes Universals

G&H® Wire Company

	TORQUE	ANGULATION	OFFSET	IN/OUT (MM)	WIDTH (MM)	.018		.022	
UPPER						LEFT	RIGHT	LEFT	RIGHT
U1	12°	5°	0°	1.0	3.5	APRXRUL118 ●	APRXRUR118 ●	APRXRUL122 ●	APRXRUR122 ●
U2	8°	9°	0°	1.0	2.9	APRXRUL218 ●	APRXRUR218 ●	APRXRUL222 ●	APRXRUR222 ●
U3 w/hook	-2°	10°	4°M	0.7	3.0	APRXRUL319 ●	APRXRUR319 ●	APRXRUL323 ●	APRXRUR323 ●
U4,5	-7°	0°	0°	0.7	3.0	APRXRU418 ●●		APRXRU422 ●●	
U4,5 w/hook	-7°	0°	0°	0.7	3.0	APRXRUL419 ●	APRXRUR419 ●	APRXRUL423 ●	APRXRUR423 ●
LOWER						LEFT	RIGHT	LEFT	RIGHT
L1/L2	0°	0°	0°	1.0	2.5	APRXRL118		APRXRL122	
L3 w/hook	-11°	5°	2°M	0.7	3.0	APRXRL319 ●	APRXRLR319 ●	APRXRL323 ●	APRXRLR323 ●
L4	-17°	0°	0°	1.0	3.0	APRXRL418 ●●		APRXRL422 ●●	
L4 w/hook	-17°	0°	0°	1.0	3.0	APRXRL419 ●	APRXRLR419 ●	APRXRL423 ●	APRXRLR423 ●
L5	-22°	0°	0°	1.0	3.0	APRXRL518 ●●		APRXRL522 ●●	
L5 w/hook	-22°	0°	0°	1.0	3.0	APRXRL519 ●	APRXRLR519 ●	APRXRL523 ●	APRXRLR523 ●

MBT Rx Apollo™ Brackets

	TORQUE	ANGULATION	OFFSET	IN/OUT (MM)	WIDTH (MM)	.018		.022	
UPPER						LEFT	RIGHT	LEFT	RIGHT
U1	17°	4°	0°	1.0	3.5	APMBTUL118 ●	APMBTUR118 ●	APMBTUL122 ●	APMBTUR122 ●
U2	8°	9°	0°	1.4	2.9	APMBTUL218 ●	APMBTUR218 ●	APMBTUL222 ●	APMBTUR222 ●
U3 w/hook	-7°	9°	0°	0.8	3.2	APMBTUL319 ●	APMBTUR319 ●	APMBTUL323 ●	APMBTUR323 ●
U4,5	-7°	0°	0°	0.9	3.0	APMBTU418 ●●		APMBTU422 ●●	
U4,5 w/hook	-7°	0°	0°	0.9	3.0	APMBTUL419 ●	APMBTUR419 ●	APMBTUL423 ●	APMBTUR423 ●
LOWER						LEFT	RIGHT	LEFT	RIGHT
L1/L2	-6°	0°	0°	1.5	2.7	APMBTL118		APMBTL122	
L3 w/hook	-6°	3°	0°	0.8	3.2	APMBTLL319 ●	APMBTLR319 ●	APMBTLL323 ●	APMBTLR323 ●
L4	-12°	0°	0°	0.9	3.0	APMBTL418 ●●		APMBTL422 ●●	
L4 w/hook	-12°	2°	0°	0.9	3.0	APMBTLL419 ●	APMBTLR419 ●	APMBTLL423 ●	APMBTLR423 ●
L5	-17°	2°	0°	0.9	3.0	APMBTL518 ●●		APMBTL522 ●●	
L5 w/hook	-17°	2°	0°	0.9	3.0	APMBTLL519 ●	APMBTLR519 ●	APMBTLL523 ●	APMBTLR523 ●

Bioform Rx Apollo™ Brackets

UPPER	TORQUE	ANGULATION	OFFSET	IN/OUT (MM)	WIDTH (MM)	LEFT	.018	RIGHT
U1	22°	5°	0°	1.0	3.5	APRXBUL118 ●		APRXBUR118 ●
U2	14°	8°	0°	1.0	2.9	APRXBUL218 ●		APRXBUR218 ●
U3 w/hook	7°	7°	0°	0.7	3.0	APRXBUL319 ●		APRXBUR319 ●
U4,5	-7°	0°	0°	0.7	3.0	APRXBU418 ●●		
U4,5	0°	0°	0°	0.7	3.0	APRXBU/L618 ○○		
LOWER						LEFT		RIGHT
L1/L2	0°	0°	0°	1.0	2.5	APRXRL118		
L3 w/hook	7°	5°	0°	0.7	3.0	APRXBLL319 ●		APRXBLR319 ●
L4	-11°	0°	0°	1.0	3.0	APRXBL418 ●●		
L5	-17°	0°	0°	1.0	3.0	APRXBL518 ●●		
L4,5	0°	0°	0°	0.7	3.0	APRXBU/L618 ○○		

Standard Edgewise Apollo™ Brackets

UPPER/LOWER	TORQUE	ANGULATION	OFFSET	IN/OUT (MM)	WIDTH (MM)	.018	.022
U1	0°	0°	0°	1.0	2.5	APEDU118	APEDU122
U2	0°	0°	0°	0.7	3.5	APEDU218	APEDU222
U3-L3	0°	0°	0°	0.7	3.5	APEDUN318	APEDUN322
U4/U5-L4/L5	0°	0°	0°	1.0	3.5	APEDUN418	APEDUN422
L1/L2	0°	0°	0°	1.0	2.5	APEDLUN118	APEDLUN122

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

Bracket Kits

Roth Rx Apollo™ Kits

UPPER/LOWER 5-5	.018	.022
U/L 3 w/hooks	KTAPR1935	KTAPR2335
U/L 3,4,5 w/hooks	KTAPR1955	KTAPR2355

MBT Rx Apollo™ Kits

UPPER/LOWER 5-5	.018	.022
U/L 3 w/hooks	KTAPMBT1935	KTAPMBT2335
U/L 3,4,5 w/hooks	KTAPMBT1955	KTAPMBT2355

Bioform Rx Apollo™ Kits

UPPER/LOWER 5-5	.018	.022
U/L 3 w/hooks	KTAPB1935	KTAPB2335
U/L 3 w/hooks - Bic. 0° Opt.	KTAPB1935	KTAPB2335

Standard Edgewise Apollo™ Kits

UPPER/LOWER	.018	.022
U/L 5-5	KTAPED1855	KTAPED2255

Nova™ Stainless Steel Brackets



- Precise positioning through pre-programmed tip, torque and in/out relations
- Optional cuspid and bicuspid hooks
- Rhomboidal shape with center scribe line allows precise placement
- Contoured gold-brazed bonding base for superior adhesion

G&H® Nova™ Series brackets combine the best features of a mid-sized bracket to assure world class performance at a very competitive price. Nova™ Series Roth prescription brackets are low profile for minimal occlusal contact. All Nova™ brackets have a 100 mil mesh gold-brazed anatomically contoured bonding base, ensuring the utmost in bond adhesion and compatibility with all popular orthodontic adhesives. The lustrous surface finish is sure to please even the most demanding patient with their clean, attractive appearance. **CE 0120**

Nova™ Roth Rx

UPPER	TORQUE	ANG.	.018"		.022"	
			LEFT	RIGHT	LEFT	RIGHT
U1	12°	5°	NVRUL118 ●	NVRUR118 ●	NVRUL122 ●	NVRUR122 ●
U2	8°	9°	NVRUL218 ●	NVRUR218 ●	NVRUL222 ●	NVRUR222 ●
U3 w/hook	0°	10°	NVRUL319 ●	NVRUR319 ●	NVRUL323 ●	NVRUR323 ●
U4, U5 w/hook	-7°	0°	NVRUL419 ●	NVRUR419 ●	NVRUL423 ●	NVRUR423 ●
U4, U5	-7°	0°	NVRU418 ●●		NVRU422 ●●	

LOWER	TORQUE	ANG.	.018"		.022"	
			LEFT	RIGHT	LEFT	RIGHT
L1-2	-1°	0°	NVRL118		NVRL122	
L3 w/hook	-11°	7°	NVRL319 ●	NVRLR319 ●	NVRL323 ●	NVRLR323 ●
L4	-17°	0°	NVRL418 ●●		NVRL422 ●●	
L4 w/hook	-17°	0°	NVRL419 ●	NVRLR419 ●	NVRL423 ●	NVRLR423 ●
L5	-22°	0°	NVRL518 ●●		NVRL522 ●●	
L5 w/hook	-22°	0°	NVRL519 ●	NVRLR519 ●	NVRL523 ●	NVRLR523 ●

Nova™ Standard Edgewise

	WIDTH (MM)	IN/OUT (MM)	.018"		.022"	
U1	3.8	.70	NVEU118	NVEU122		
U2	3.0	.70	NVEU218	NVEU222		
U/L3	3.0	.70	NVE318	NVE322		
U/L4,5	3.0	.70	NVE418	NVE422		
L1-2	2.5	.70	NVEL118	NVEL122		

Nova™ Standard Edgewise Kits

UPPER/LOWER	.018"	.022"
U/L 5-5	KTNVE1855	KTNVE2255

Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser.

Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

Nova™ Roth Kits

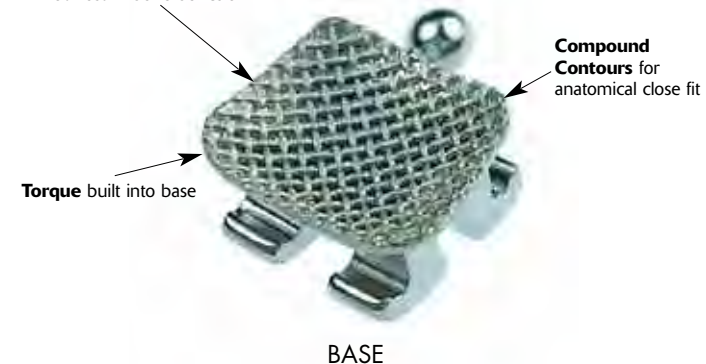
UPPER/LOWER	.018"	.022"
U/L 5-5 with Cuspid Hooks	KTNVR1935	KTNVR2335
U/L 5-5 with Cuspid/Bicuspid Hooks	KTNVR1955	KTNVR2355

BRACKET BONDING CEMENTS AND ACCESSORIES
SEE PAGES 61-63

Stainless Steel Nova Series Brackets



100 mil mesh gold-brazed bonding base anatomically contoured to ensure the utmost in bond adhesion



Phone

Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com



THE SHORTEST DISTANCE FROM START TO FINISH

Straight-Line™ Stainless Steel Brackets

Roth Rx Stainless Steel Brackets



Since its introduction, the Roth Rx has proven to be the most versatile and popular for preadjusted appliances. CE 0120

Straight-Line™ Roth Rx Brackets

UPPER	TORQUE	ANGULATION	OFFSET	IN/OUT (MM)	WIDTH (MM)	.018		.022	
						LEFT	RIGHT	LEFT	RIGHT
U1	12°	5°	0°	0.7	3.3	RXRUL118 ●	RXRUR118 ●	RXRUL122 ●	RXRUR122 ●
U2	8°	9°	0°	0.9	2.9	RXRUL218 ●	RXRUR218 ●	RXRUL222 ●	RXRUR222 ●
U3	-2°	10°	4°M	0.4	3.0	RXRUL318 ●	RXRUR318 ●	RXRUL322 ●	RXRUR322 ●
U3 w/hook				0.4	3.0	RXRUL319 ●	RXRUR319 ●	RXRUL323 ●	RXRUR323 ●
U4/U5	-7°	0°	2°D	0.3	3.0	RXRUL418 ●	RXRUR418 ●	RXRUL422 ●	RXRUR422 ●
U4/U5 w/hook				0.3	3.0	RXRUL419 ●	RXRUR419 ●	RXRUL423 ●	RXRUR423 ●
LOWER	TORQUE	ANG.	OFFSET			LEFT	RIGHT	LEFT	RIGHT
L1/L2	0°	0°	0°	1.0	2.5	RXRLR118		RXRLR122	
L3	-11°	5°	2°M	0.4	3.0	RXRL318 ●	RXRLR318 ●	RXRL322 ●	RXRLR322 ●
L3 w/hook				0.4	3.0	RXRL319 ●	RXRLR319 ●	RXRL323 ●	RXRLR323 ●
L4	-17°	0°	0°	0.3	3.0	RXRL418 ●	RXRLR418 ●	RXRL422 ●	RXRLR422 ●
L4 w/hook				0.3	3.0	RXRL419 ●	RXRLR419 ●	RXRL423 ●	RXRLR423 ●
L5	-22°	0°	0°	0.3	3.0	RXRL518 ●●	RXRLR518 ●●	RXRL522 ●●	RXRLR522 ●●
L5 w/hook				0.3	3.0	RXRL519 ●●	RXRLR519 ●●	RXRL523 ●●	RXRLR523 ●●

■ Torque in base for greatest torque translation

■ Permanent Disto-Gingival dimple enhances identification

■ Beveled Occlusal Tie Wings on lower anterior and cuspids

■ Bicuspid brackets gingivally offset on the bonding base



Straight-Line™ Roth Kits

UPPER/LOWER 5-5	.018	.022
No Hooks	KTRXR1855	KTRXR2255
U/L 3 w/hooks	KTRXR1935	KTRXR2335
U/L 3,4,5 w/hooks	KTRXR1955	KTRXR2355

Straight-Line™ Dual Dimension Kits

.018 U/L 1,2 and .022 U/L3,4,5	
No Hooks	KTRXR2255
U/L 3 w/hooks	KTRXR2335
U/L 3,4,5 w/hooks	KTRXR2355

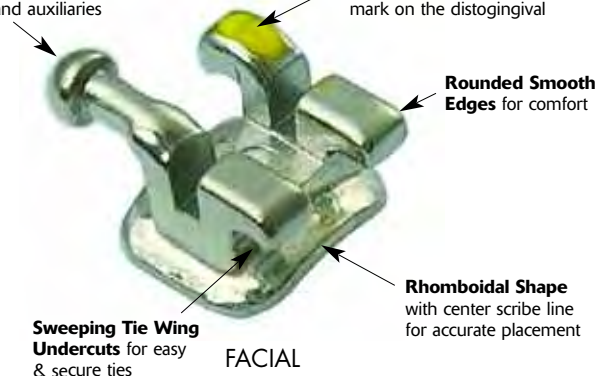
Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

Roth Rx Stainless Steel Bracket

Cast Ball End Hooks for maximum retention of springs and auxiliaries

Quadrant Color Coding with permanent recessed ID mark on the distogingival



Sweeping Tie Wing Undercuts for easy & secure ties

FACIAL

Rhomboidal Shape with center scribe line for accurate placement

Compound Contours for anatomical fit

Mushroom Shape Ball Hook for maximum retention

Torque built into base

BASE

80 mil mesh gold-brazed bonding base anatomically contoured to ensure the utmost in bond adhesion

ROTH & STANDARD TOOTH-COLORED ZENITH™ BRACKETS
SEE PAGES 54, 55



Phone

Toll-Free - US/Canada: 800-526-1026

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Website

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BRACKET BONDING CEMENTS AND ACCESSORIES
SEE PAGES 61-63

G&H® Wire Company Roth Rx brackets are not officially endorsed by Dr. Roth.



THE SHORTEST DISTANCE FROM START TO FINISH

Straight-Line™ Stainless Steel Brackets

Straight-Line™ V-Slot Stainless Steel Brackets

V-slot brackets are equipped with a .020x.020 vertical slot for auxiliary augmentation, and an optional dual-dimension archwire slot is available for improved sliding mechanics with reduced posterior friction (.018" anteriors, .022" posterior).

CE 0120

Roth V-Slot

UPPER	TORQUE	ANGULATION	OFFSET	IN/OUT (MM)	WIDTH (MM)	.018		.022	
						LEFT	RIGHT	LEFT	RIGHT
U1	12°	5°	0°	1.0	3.5	VSRUL118 ●	VSRUR118 ●	VSRUL122 ●	VSRUR122 ●
U2	8°	9°	0°	1.23	3.0	VSRUL218 ●	VSRUR218 ●	VSRUL222 ●	VSRUR222 ●
U3 w/hook	0°	11°	0°	.94	3.5	VSRUL319 ●	VSRUR319 ●	VSRUL323 ●	VSRUR323 ●
U4,5	-7°	0°	0°	.94	3.0	VSRU418 ●●		VSRU422 ●●	
U4,5 w/hook	-7°	0°	0°	.94	3.0	VSRUL419 ●	VSRUR419 ●	VSRUL423 ●	VSRUR423 ●
LOWER					LEFT		RIGHT		
L1/L2	0°	0°	0°	1.23	2.5	VSRL118		VSRL122	
L3 w/hook	-11°	5°	0°	.94	3.0	VSRL319 ●	VSRLR319 ●	VSRL323 ●	VSRLR323 ●
L4	-17°	0°	0°	.94	3.0	VSRL418 ●●		VSRL422 ●●	
L4 w/hook	-17°	0°	0°	.94	3.0	VSRL419 ●	VSRLR419 ●	VSRL423 ●	VSRLR423 ●
L5	-22°	0°	0°	.94	3.0	VSRL518 ●●		VSRL522 ●●	
L5 w/hook	-22°	0°	0°	.94	3.0	VSRL519 ●●	VSRLR519 ●●	VSRL523 ●●	VSRLR523 ●●

Order Information:

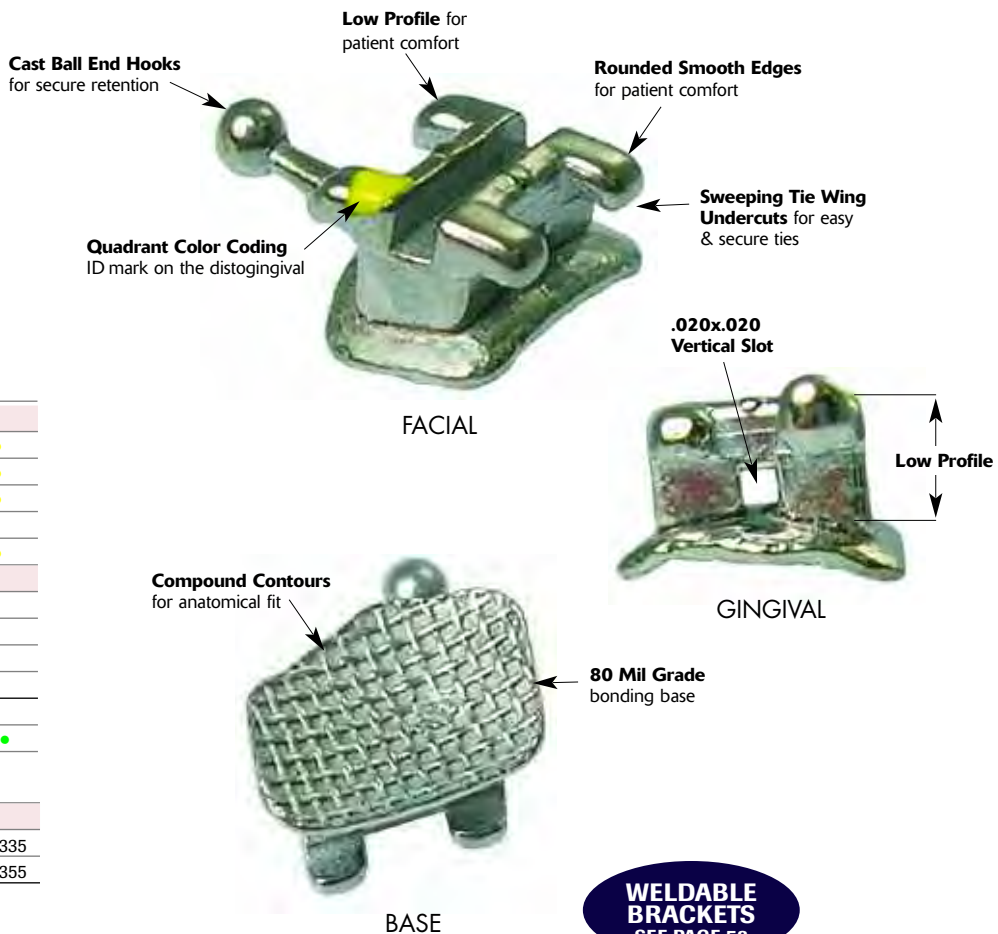
Brackets are packaged with 1, 5 or 10 cases per carousel dispenser.

Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

ROTH V-SLOT KITS

UPPER/LOWER 5-5	.018	.022
U/L 3 w/hooks	KTVSR1935	KTVSR2335
U/L 3,4,5 w/hooks	KTVSR1955	KTVSR2355

Roth Rx V-Slot Stainless Steel Bracket



WELDABLE BRACKETS
SEE PAGE 58

BRACKET BONDING CEMENTS AND ACCESSORIES
SEE PAGES 61-63

Springs and other auxiliaries for vertical slots on page 40 & 41.



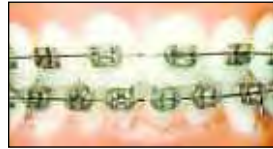
THE SHORTEST DISTANCE FROM START TO FINISH

Straight-Line™ Stainless Steel Brackets

Straight-Line™ Bioform Rx Stainless Steel Brackets

Bioform prescription, like Ricketts®, offers the option of higher torque values as preferred in the Bioprogressive® treatment philosophy. Optional upper and lower bicuspid prescription values are offered for specific patient requirements. **CE 0120**

- Torque in base for greatest torque translation
- Optional prescription values on upper and lower bicuspids
- Beveled Occlusal Tie Wings on lower anterior and cuspids



Straight-Line™ Bioform Rx Stainless Steel **CE 0120**

UPPER	TORQUE		ANGULATION	OFFSET	IN/OUT (MM)		WIDTH (MM)		.018	
	°	°			°	°	°	°	LEFT	RIGHT
U1	22°	5°	0°	0.6	3.5	RXBUL118	●	RXBUR118	●	
U2	14°	8°	0°	0.9	2.9	RXBUL218	●	RXBUR218	●	
U3	7°	7°	0°	0.4	3.0	RXBUL318	●	RXBUR318	●	
U3 w/hook			0°	0.4	3.0	RXBUL319	●	RXBUR319	●	
U4/U5	-7°	0°	0°	0.4	3.0	RXBUL418	●	RXBUR418	●	
U4/U5 w/hook			0°	0.4	3.0	RXBUL419	●	RXBUR419	●	
U4/U5 option	0°	0°	0°	0.4	3.0	RXBUL618	●	RXBUR618	●	
U4/U5 w/hook option			0°	0.4	3.0	RXBUL619	●	RXBUR619	●	
LOWER						LEFT		RIGHT		
L1/L2	0°	0°	0°	0.9	2.5	RXBLR118				
L3	7°	5°	0°	0.4	3.0	RXBLL318	●	RXBLR318	●	
L3 w/hook			0°	0.4	3.0	RXBLL319	●	RXBLR319	●	
L4	-11°	0°	0°	0.3	3.0	RXBLL418	●	RXBLR418	●	
L4 w/hook			0°	0.3	3.0	RXBLL419	●	RXBLR419	●	
L5	-17°	0°	0°	0.3	3.0	RXBLL518	●●	RXBLR518	●●	
L5 w/hook			0°	0.3	3.0	RXBLL519	●●	RXBLR519	●●	
L4/L5 option	0°	0°	0°	0.3	3.0	RXBLL618	●	RXBLR618	●	
L4/L5 w/hook option			0°	0.3	3.0	RXBLL619	●	RXBLR619	●	

Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

Straight-Line™ Bioform Kits

UPPER/LOWER 5-5	.018
No Hooks	KTRXB1855
U/L 3 w/hooks	KTRXB1935
U/L 3,4,5 w/hooks	KTRXB1955

- When ordering Bioform Kits, please specify if bicuspid brackets are to be 0° option.

Color coded I.D. marks noted beside part number
 • Single dot on disto-gingival wing
 •• Double dot (one on each gingival tie-wing) denotes Universals

Straight-Line™ Standard Edgewise Brackets

For those who prefer to apply patient specific adjustments, we offer G&H® Straight-Line™ Series Standard Edgewise brackets, representing excellent quality and value. **CE 0120**

Straight-Line™ Edgewise

UPPER/LOWER	Mini-Edgewise Stainless			
	In/Outmm	Widthmm	.018	.022
U1	0.7	3.3	EDSTU118	EDSTU122
U2	0.7	2.5	EDSTU218	EDSTU222
U3-L3	0.4	3.3	EDSTU318	EDSTU322
U4/U5-L4/L5	0.4	3.3	EDSTU418	EDSTU422
L1/L2	0.7	2.5	EDSTL118	EDSTL122

Straight-Line™ Edgewise Kits

U/L 5-5	KTEDST1855	KTEDST2255
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Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

Straight-Line™ Alexander Rx Stainless Steel **CE 0120**

UPPER	TORQUE		ANGULATION	OFFSET	IN/OUT (MM)		WIDTH (MM)		.018	
	°	°			°	°	°	°	LEFT	RIGHT
U1	12°	5°	0°	0.7	3.5	RXAUL118	●	RXAUR118	●	
U2	8°	9°	0°	0.9	2.9	RXAUL218	●	RXAUR218	●	
U2 w/hook			0°	0.9	2.9	RXAUL219	●	RXAUR219	●	
U3	-3°	10°	0°	0.7	1.2	RXAUL318	●	RXAUR318	●	
U3 w/hook			0°	0.7	1.2	RXAUL319	●	RXAUR319	●	
U4/U5	-7°	0°	0°	0.6	1.2	RXAUL418	●	RXAUR418	●	
U4/U5 w/hook			0°	0.6	1.2	RXAUL419	●	RXAUR419	●	
LOWER						LEFT		RIGHT		
L1/L2	-5°		0°	1.0	1.2	RXALR118				
L1/L2 w/hook			0°	1.0	1.2	RXALR119				
L3	-7°		6°	0.7	1.2	RXALL318	●	RXALR318	●	
L3 w/hook			0°	0.7	1.2	RXALL319	●	RXALR319	●	
L4	-11°		0°	0.6	1.2	RXALL418	●	RXALR418	●	
L4 w/hook			0°	0.6	1.2	RXALL419	●	RXALR419	●	
L5	-17°		0°	0.6	1.2	RXALL518	●●	RXALR518	●●	
L5 w/hook			0°	0.6	1.2	RXALL519	●●	RXALR519	●●	

Straight-Line™ Alexander Kits

UPPER/LOWER 5-5	.018
No Hooks	KTRXA1855
U/L 2 w/hooks	KTRXA1925
U/L 3 w/hooks	KTRXA1935
U/L 3,4,5 w/hooks	KTRXA1955

Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

BRACKET BONDING CEMENTS AND ACCESSORIES
SEE PAGES 61-63



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New! from G&H® - Introducing.....

Zenith™ Series- Ceramic/CR & Composite/CM Brackets



Recommendations for Zenith™ Ceramic/CR Brackets

(Bonding)

Zenith™ Ceramic Brackets bond similar to metal brackets. The bracket bases have unique undercuts, which create a mechanical bond with the adhesive just like a metal bracket. No special bonding techniques, adhesives, primers or enhancers are necessary or recommended.

- G&H® recommends the use of a conventional BIS-GMA composite paste Orthodontic adhesive.
- Follow the bonding system manufacturer recommended instructions for tooth preparation and bonding.
- Ceramic primers or adhesion boosters are not recommended** when bonding Zenith™ Ceramic Brackets as they may cause undesirable debonding effects.

(Debonding)

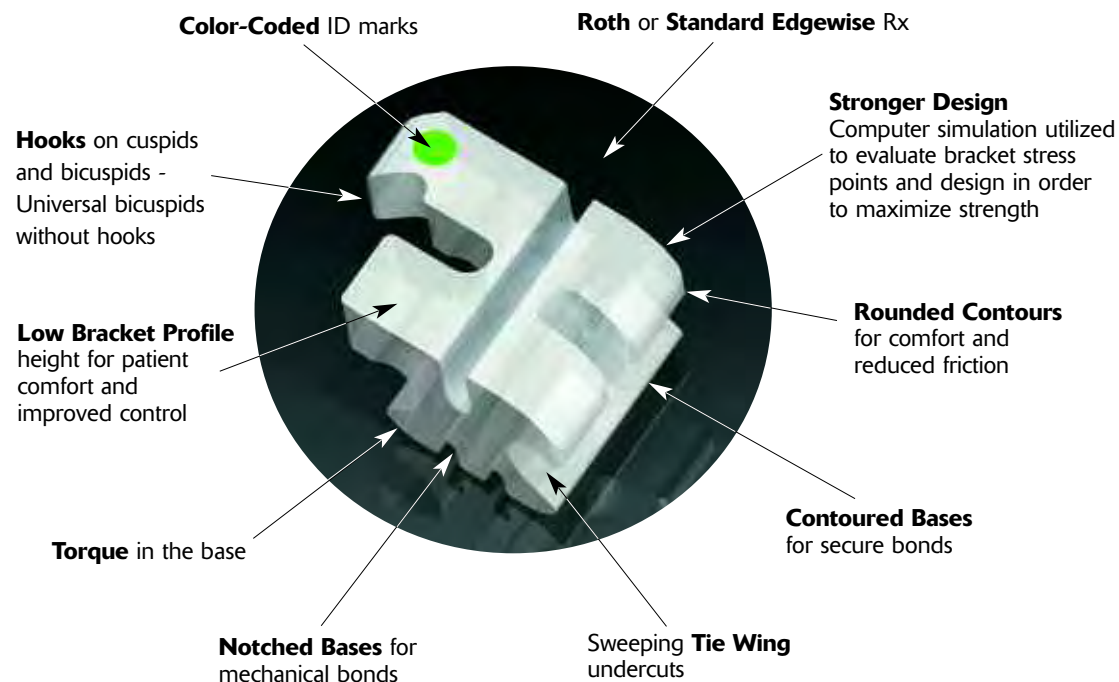
All Zenith™ Ceramic Brackets incorporate a mechanical bonding surface. There is no chemical adhesion enhancement on the bonding surface. The following procedures are suggested for successful debonding of our ceramic brackets:

- Position the debonding instrument and apply debonding forces only to the inciso/gingival edges of the brackets, not mesiodistally.
- The design feature of the bonding base incorporates mechanical undercuts that react to debonding force applied to the inciso/gingival edges at the base/adhesive interface. The brackets are beveled to accept a debonding instrument at these inciso/gingival locations.
- Use of a fine tip, sharp instrument is necessary to allow the instrument to grasp the bracket as close to the bracket/enamel interface as possible. Once positioned, the instrument should be squeezed firmly to fracture the bond between the adhesive and the bracket. We recommend using a bracket removal plier such as G&H® #ODG346, or a pin and ligature cutter, G&H® #ODG1002.
- To insure a clean debond, the use of ceramic primers or adhesion boosters are not recommended when bonding Zenith™ Ceramic Brackets

Zenith™ Series aesthetic brackets are precision designed and manufactured so that no special treatment mechanics or bonding procedures are necessary. All of the same clinical techniques routinely used with metal brackets are applicable with **Zenith™**. Also, **Zenith™ Ceramic/CR** and **Composite/CM** brackets are compatible in design and dimension so that they can be used interchangeably. Deep bite cases can now be bonded with composite brackets on the lower anteriors and ceramics on the rest of the case - with full compatibility.

Zenith™ brackets are designed with all the features needed to achieve contemporary treatment objectives.

Zenith™ Brackets feature -



Zenith™ Ceramic/CR and Composite/CM
Bracket order information on next page.



Ceramic Brackets

Roth R_x Zenith™ Ceramic Brackets

UPPER	TORQUE			ANGULATION		OFFSET		.018		.022	
								LEFT	RIGHT	LEFT	RIGHT
U1	12°	5°	0°					RCRUL118 ●	RCRUR118 ●	RCRUL122 ●	RCRUR122 ●
U2	8°	9°	0°					RCRUL218 ●	RCRUR218 ●	RCRUL222 ●	RCRUR222 ●
U3	-2°	10°	4°M					RCRUL318 ●	RCRUR318 ●	RCRUL322 ●	RCRUR322 ●
U3 w/hook								RCRUL319 ●	RCRUR319 ●	RCRUL323 ●	RCRUR323 ●
U4/U5	-7°	0°	0°					RCRU418 ●●		RCRU422 ●●	
U4/U5 w/hook								RCRUL419 ●	RCRUR419 ●	RCRUL423 ●	RCRUR423 ●
LOWER								LEFT	RIGHT	LEFT	RIGHT
L1/L2	0°	0°	0°					RCRLR118		RCRLR122	
L3	-11°	5°	2°M					RCRLL318 ●	RCRLR318 ●	RCRLL322 ●	RCRLR322 ●
L3 w/hook								RCRLL319 ●	RCRLR319 ●	RCRLL323 ●	RCRLR323 ●
L4	-17°	0°	0°					RCRL418 ●●		RCRL422 ●●	
L4 w/hook								RCRLL419 ●	RCRLR419 ●	RCRLL423 ●	RCRLR423 ●
L5	-22°	0°	0°					RCRL518 ●●		RCRL522 ●●	
L5 w/hook								RCRLL519 ●	RCRLR519 ●	RCRLL523 ●	RCRLR523 ●

Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.



Adjunct Aesthetic Products

Tooth-Colored WiresPage 26-27

Tooth-Colored Versa-Ties™Page 47

Tooth-Colored Metal Ligature TiesPage 33



Composite Brackets

Dimensionally compatible and interchangeable with Zenith™ Ceramic

Roth R_x Zenith™ Composite Brackets

UPPER	TORQUE			ANGULATION		OFFSET		.018		.022	
								LEFT	RIGHT	LEFT	RIGHT
U1	12°	5°	0°					RCMUL118 ●	RCMUR118 ●	RCMUL122 ●	RCMUR122 ●
U2	8°	9°	0°					RCMUL218 ●	RCMUR218 ●	RCMUL222 ●	RCMUR222 ●
U3	-2°	10°	4°M					RCMUL318 ●	RCMUR318 ●	RCMUL322 ●	RCMUR322 ●
U3 w/hook								RCMUL319 ●	RCMUR319 ●	RCMUL323 ●	RCMUR323 ●
U4/U5	-7°	0°	2°D					RCMU418 ●●		RCMU422 ●●	
U4/U5 w/hook								RCMUL419 ●●	RCMUR419 ●●	RCMUL423 ●●	RCMUR423 ●●
LOWER								LEFT	RIGHT	LEFT	RIGHT
L1/L2	0°	0°	0°					RCMLR118		RCMLR122	
L3	-11°	5°	2°M					RCMLL318 ●	RCMLR318 ●	RCMLL322 ●	RCMLR322 ●
L3 w/hook								RCMLL319 ●	RCMLR319 ●	RCMLL323 ●	RCMLR323 ●
L4	-17°	0°	0°					RCML418 ●●		RCML422 ●●	
L4 w/hook								RCMLL419 ●●	RCMLR419 ●●	RCMLL423 ●●	RCMLR423 ●●
L5	-22°	0°	0°					RCML518 ●●		RCML522 ●●	
L5 w/hook								RCMLL519 ●●	RCMLR519 ●●	RCMLL523 ●●	RCMLR523 ●●

Order Information:

Brackets are packaged with 1, 5 or 10 cases per carousel dispenser. Kits can also be ordered without dispensers packaged in bags in any quantity of 1-100.

Roth R_x Kits

COMPOSITE

UPPER/LOWER 5-5	.018	.022
No Hooks	KTRCM1855	KTRCM2255
U/L 3 w/hooks	KTRCM1935	KTRCM2335
U/L 3,4,5 w/hooks	KTRCM1955	KTRCM2355

Standard Edgewise Composite

UPPER/LOWER	.018	.022
U1	EDCMU118	EDCMU122
U2	EDCMU218	EDCMU222
U3-L3	EDCMU318	EDCMU322
U4/U5-L4/L5	EDCMU418	EDCMU422
L1/L2	EDCML118	EDCML122

Standard Edgewise Kits

U/L 5-5	KTEDCM1855	KTEDCM2255
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Note: Composite Standard Edgewise brackets are not color coded.





Phone
Toll-Free - US/Canada: 800-526-1026
International/Toll: 317-346-6655



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Website
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Molar & Bicuspid Bands

Straight-Line™ Molar and Bicuspid Bands are anatomically shaped and incrementally sized to ensure an exacting fit. Precise tempering assures inciso-gingival snug seating for accurate adaptation and cement adhesion. Unlike many other bands that are stretched to size and shape, G&H® Straight-Line™ Series Molar and Bicuspid Bands are pressure shaped using progressive stainless steel rings which results in uniform wall thickness and consistent circumferential strength. G&H® offers precision prewelding of bands to insure attachment placement as prescribed. **€ 0120**

- **Permanent Laser Identification Markings**
- **Anatomically Contoured**
- **Full Tempered**
- **Consistent Wall Thickness**
- **Precision Prewelding Service Available**

G&H® Straight-Line™ Band Size Distribution

1st Molars	Sizes Available
Upper	1-34 (33 & 34 not included in kit)
Lower	1-34 (33 & 34 not included in kit)
Bicuspids	Sizes Available
1st & 2nd Upper	1-24
1st & 2nd Lower	1-24



Upper Right Molar Band With Triple Convertible Tube



Anatomical view



Band Kit

G&H® Straight-Line™ Molar Bands are anatomically shaped and contoured for accurate fit. Select buccal and lingual attachments for prewelding. Kits include dispenser trays.

UPPER	Individual Left	Individual Right	Intro Kit of 100	Pro Kit of 150	Master Kit of 300
Molar	MBUL1*	MBUR1*	KMBU1100	KMBU1150	KMBU1300
LOWER					
Molar	MBLL1*	MBLR1*	KMBL1100	KMBL1150	KMBL1300

*Insert desired molar band size

Upper & Lower 1st Molar Band Kit Distributions By Band Size (1/2 right, 1/2 left of each size)

Band Size	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Intro Kit 100	2	2	2	2	2	2	4	4	4	4	4	4	6	6	6	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2
Pro Kit 150	2	2	2	2	4	4	4	6	6	8	8	8	10	10	10	8	8	8	6	6	4	4	2	2	2	2	2	2	2	2	2	2
Master Kit 300	4	4	6	6	6	8	8	14	14	16	16	18	18	18	18	16	16	14	14	8	8	6	6	6	4	4	4	4	4	4	4	4

• **Molar Band Order Form on page 92 - or order online, www.ghwire.com**

G&H® Pre-Welding Service is available for precise positioning of attachments.



G&H® Straight-Line™ Bicuspid Bands are universal in shape and specially tempered for snug fit. Select bracket and lingual attachments for prewelding. Kits include dispenser trays.

	Individual	Intro Kit of 100	Pro Kit of 150
Upper Bicuspid Kit (sizes 1-24)	OUBB*	OUBBK100	OUBBK150
Lower Bicuspid Kit (sizes 1-24)	OLBB*	OLBBK100	OLBBK150

*Insert desired Bicuspid band size

Upper Bicuspid Band Kit Distributions (universal)

Band Size	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Intro Kit 100	2	2	2	2	2	4	4	4	6	6	8	8	8	8	6	6	4	4	4	2	2	2	2	2
Pro Kit 150	2	2	2	4	4	6	6	6	8	8	10	10	10	10	10	8	8	8	6	4	4	2	2	

Lower Bicuspid Band Kit Distributions (universal)

Band Size	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Intro Kit 100	2	2	2	2	2	4	4	4	6	6	8	8	8	8	6	6	4	4	4	2	2	2	2	2
Pro Kit 150	2	2	2	4	4	6	6	6	8	8	10	10	10	10	10	8	8	8	6	4	4	2	2	



Buccal Tubes - Weldable

G&H® Straight-Line™ Buccal Tubes are precision cast and offered in a variety of configurations. They can be purchased loose or pre-welded to our bands. **CE 0120**

Approximate 1st molar torque values by prescription					
RX	Roth	MBT	Damon*	Ricketts	Std. Edgewise
UPPER	-10°	-10°	-10°	0°/-10°	0°
LOWER	-25°	-25°	-25°	0°/-25°	0°

NON-CONVERTIBLE – WELDABLE

SINGLE		.018 x .025		.022 x .028		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT		
0°	0°	WBT1800R	WBT1800L	WBT1200R	WBT1200L		WBT1810R
-10°	8°	WBT1810R	WBT1810L	WBT1210R	WBT1210L		WBT1825L
-25°	8°	WBT1825L	WBT1825R	WBT1225L	WBT1225R		

COMBINATION .045 Occlusal		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
0°	0°	WBT2800RO	WBT2800LO
-10°	8°	WBT2810RO	WBT2810LO

COMBINATION .045 Gingival		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
0°	0°	WBT2800RG	WBT2800LG
-10°	8°	WBT2810RG	WBT2810LG
-25°	8°	WBT2825LG	WBT2825RG

DOUBLE BIOFORM / RICKETTS – Both Tubes .018 x .025		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
0°	0°	WBT2800L	WBT2800R

TRIPLE BIOFORM / RICKETTS – Rect. Tubes, .018 x .025, .045 Gingival		Image	
TORQUE	OFFSET	UPPER RIGHT	UPPER LEFT
-10°	8°	WBT3810RG	WBT3810LG

CONVERTIBLE – WELDABLE

SINGLE		.018 x .025		.022 x .028		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT		
-10°	8°	WBT1810RC	WBT1810LC	WBT1210RC	WBT1210LC		WBT1825RC
-25°	8°	WBT1825LC	WBT1825RC	WBT1225LC	WBT1225RC		

COMBINATION .045 Occlusal		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
0°	0°	WBT2800RCO	WBT2800LCO
-10°	8°	WBT2810RCO	WBT2810LCO

COMBINATION .045 Gingival		Image	
TORQUE	OFFSET	LOWER LEFT	LOWER RIGHT
-25°	8°	WBT2825LCG	WBT2825RCG

DOUBLE .018 AUXILIARY TUBE 0° T, 0° D.O.		Image	
TORQUE	OFFSET	UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
-25°	8°	WBT2825LC	WBT2825RC

TRIPLE .018 AUXILIARY TUBE 0° T, 0° D.O., .045 Occlusal		Image	
TORQUE	OFFSET	UPPER RIGHT	UPPER LEFT
-10°	8°	WBT3810RCO	WBT3810LCO

*G&H® Wire is in no way affiliated with or endorsed by Ormco Corporation or Dr. Dwight Damon



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ghmail@ghwire.com



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Weldable Attachments – Available Loose or Pre-welded to G&H® Bands

Weldable Bicuspid & Molar Brackets

For those cases where bicuspid bands are desired we offer our weldable version of Roth and Standard Edgewise prescription brackets.

Where greater access to the 1st molar is desired we offer our molar brackets for complete buccal access as an alternative to buccal tubes. **€ 0120**



Bicuspid Brackets

Roth Prescription	TORQUE	ANGULATION	.018	.022
Upper	-7°	0°	WRRXU518	WRRXU522
Lower	-17°	0°	WRRXL418	WRRXL422
Lower, 2nd Bicuspid	-22°	0°	WRRXL518	WRRXL522
Standard Edgewise	TORQUE	ANGULATION	.018	.022
Universal	0°	0°	WEDBR18	WEDBR22

Molar Brackets

Standard Edgewise	TORQUE	ANGULATION	.018	.022
Twin Bracket, Convertible	0°	0°	EDSWMBC018	EDSWMBC022
Twin Bracket, Non-convertible			EDSWMB018	EDSWMB022

Twin Molar Bracket - Non-Convertible



Begg Light Wire Brackets

256-type brackets laminated to 80mil flat and contoured mini-bonding bases. **€ 0120**

Order Information:

	BONDABLE
Flat (10 pack)	BBBF
Contoured (10 pack)	BBBC



G&H® Bracket Auxiliaries and Lingual Attachments

augment treatment with convenient and dependable accessories to provide added versatility where desired. Useful for traction or supplemental tooth movement to gain additional control throughout any phase of treatment.

Lingual Buttons

Precision formed for patient comfort. Bondable buttons are brazed to 80mil anatomically shaped base. Available in flat or contoured to adapt to any application. **€ 0120**



Order Information:

	WELDABLE	BONDABLE
Flat (20 pack)	WLBF20	BLBF20
Contoured (20 pack)	WLBC20	BLBC20

Micro Button Lingual Attachments

A smaller version of our regular bondable buttons, micro buttons allow bonding of a lingual attachment where minimal bonding surface is available. The micro button base is only .011" thick (standard direct bond button base thickness is .026"). When used to extract partially erupted teeth, the thin base can be placed slightly subgingivally without sacrificing patient comfort. **€ 0120**



Order Information:

Contoured Bondable Micro Button (20 pack)	BMBC20
---	--------

Weldable Lingual Cleats

Assist in band seating and allow use of elastics for molar control. Breakaway cleats on a strip. **€ 0120**

Order Information:

Short (2,000 Cleats/pack - 22 per strip)	WLCSHORTS
Long (1,000 Cleats/pack - 15 per strip)	WLCLONGS



Weldable Seating Lugs

25 lugs per strip. 1,000/pack. **€ 0120**

Order Information:

(1,000 Lugs/pack)	LUGS
-------------------	------



Lingual Sheaths

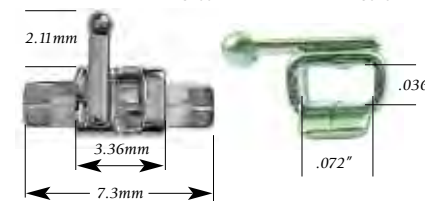
Designed to accept palatal bars, quad helix appliances, and other removable appliances incorporating .036" x .072" distal engagement ends. Locking indent and optional soldered hook to ensure secure retention, weldable only. **€ 0120**

Order Information:

With Hook	
Right (10 pack)	WLS055R
Left (10 pack)	WLS055L
Without Hook	
Universal (10 pack)	WLS155
Curved (10 pack)	WLS010



PALATAL ARCH BARS ON PAGE 41

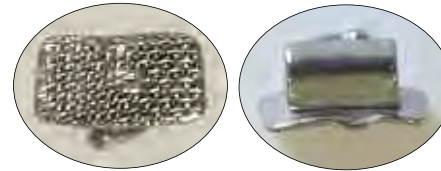


G&H® offers precision Pre-Welding of attachments to Molar and Bicuspid Bands.

G&H® Bondable Buccal Tubes

G&H® Stainless Steel Bondable Buccal Tubes make routine molar bonding a reality. All stainless steel tubes are manufactured with state of the art Metal Injection Molding. MIM technology allows us to design smooth contours, low profiles and increased strength into each tube. The bonding bases are anatomically designed and contoured for positive adaptation to molars. The 80 mil woven mesh base insures maximum bond strength.

CE 0120



All stainless steel bondable buccal tubes have an 80 mil mesh anatomically contoured base

Stainless Steel Bondable Buccal Tubes

Convertible

		.018 x .025		.022 x .028	
▶ Single	Torque		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT
	Offset				UPPER LEFT/ LOWER RIGHT
	-10°	8°	BBT18108RC	BBT18108LC	BBT12108RC
	-25°	5°	BBT18255LC	BBT18255RC	BBT12255LC
▶ Combination	Torque		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT
	Offset				UPPER LEFT/ LOWER RIGHT
	-10°	8°	BBT28108ORC	BBT28108OLC	BBT22108ORC
	-25°	5°	BBT28255GLC	BBT28255GRC	BBT22255GLC
▶ Double	Torque		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT
	Offset				UPPER LEFT/ LOWER RIGHT
	-25°	5°	BBT28255LC	BBT28255RC	BBT22255LC

Non-Convertible

		.018 x .025		.022 x .028	
▶ Single	Torque		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT
	Offset				UPPER LEFT/ LOWER RIGHT
	0°	8°	BBT18008R	BBT18008L	BBT12008R
	-10°	8°	BBT18108R	BBT18108L	BBT12108R
	-25°	5°	BBT18255L	BBT18255R	BBT12255L
▶ Combination	Torque		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT	UPPER RIGHT/ LOWER LEFT
	Offset				UPPER LEFT/ LOWER RIGHT
	0°	8°	BBT28008OR	BBT28008OL	BBT22008OR
	-10°	8°	BBT28108OR	BBT28108OL	BBT22108OR



Apollo™ Nickel-Free Bondable Tubes



G&H® Apollo™ class biocompatible orthodontic products represent nickel-free alternatives for bio-compatibility in patients who experience sensitivity to nickel bearing products. We now make available

one of the few nickel-free stainless steel bondable buccal tubes on the market with our Apollo™ series tubes. Cast, one piece construction eliminates nickel even in the bonding base. CE 0120

Nickel-Free Apollo™ Stainless Bondable Buccal Tubes

Single - .018x.025		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
Torque	Offset		
-10°	8°	BBT1401	BBT1402
-25°	5°	BBT1414	BBT1413
Single - .022x.028		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
Torque	Offset		
-10°	8°	BBT1451	BBT1452
-25°	5°	BBT1464	BBT1463

Nickel-Free Apollo™ MBT Rx Stainless Bondable Buccal Tubes

Single - .018x.025		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
Torque	Offset		
-14°	8°	BBTM1814R	BBTM1814L
-20°	0°	BBTM1820L	BBTM1820R
Single - .022x.028		UPPER RIGHT/ LOWER LEFT	UPPER LEFT/ LOWER RIGHT
Torque	Offset		
-14°	8°	BBTM1214R	BBTM1214L
-20°	0°	BBTM1220L	BBTM1220R



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G&H®

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Bonding Products



Bite Bumper™ 65

Cheek, Lip Retractors 64

Mini-Mold™ System 65

Reliance® Bonding Products and Adhesives 61-63

SmartBond® Adhesive 64

LEDEX™ Curing Light 65



Phone

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Website

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Reliance® Bonding Products & Adhesives

Three composites that meet all clinical needs from initial strap up to retention: **Light Bond™** Adhesive, **Band-Lok™** Cement and **Flowtain™** Flowable Composite.

G&H® offers the complete line of Reliance® bonding products—well known in the orthodontic community as the most reliable high quality adhesives available. Sold in convenient kits or as individual components. ☎ 0473

Light Cure Bonding Adhesive



LIGHT BOND™

Fluoride releasing, light cured adhesive

KITS—

Light Bond™ - Reg. Paste

20g paste in (44) Tips
Paste in (4) 5g Push Syringes

LBETF
LBEPF

Light Bond™ - Reg. Paste (Blue Shade)

20g paste in (44) Tips
Paste in (4) 5g Push Syringes

LBEBTF
LBEBPF

Suitable for use with MiniMold system, page 65

Note: Paste is available in 3 viscosities: Regular / Medium / Thin. Regular is sent if not otherwise specified.

COMPONENTS—

Regular Paste

5g in (11) Syringe Tips
(1) 5g Push Syringe

LBPTF
LBPPF

Medium Paste

5g in (11) Syringe Tips
(1) 5g Push Syringe

LBMPPTF
LBMPPF

Thin Paste

5g in (11) Syringe Tips
(1) 5g Push Syringe

LBTPPTF
LBTPPF

Light Bond™ Sealant 3 cc

LBS3F

Light Bond™ Filled Sealant 3 cc

LBFSF

Light Bond™ Sealant 7 cc

LBS7F

Light Bond™ Filled Sealant 7 cc

LBFS7F

LIGHT BOND®

Fluoride Releasing: Light Bond™ Paste and Sealant are formulated with a patented fluoride releasing monomer. University studies have shown that fluoride is continuously released throughout the mouth without reducing bond strength.

Smooth, Tacky Paste Viscosity: The viscosity of Light Bond™ Paste is very tacky which totally prevents bracket floatation. If a thinner paste viscosity is desired for bonding lingual retainers and palatal expanders, Light Bond™ Medium or Thin Paste is available. Specify when ordering.

Total Paste Polymerization Under All Bracket Bases: Light Bond™ is comprised of a unique 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 active archwire can be placed immediately.

Choice of Protective Sealants: Conventional chemical cure sealants do not totally polymerize due to oxygen inhibition. Light Bond™ Sealant totally polymerizes when exposed to a visible light source for 10 seconds. As a result, the etched enamel surface is sealed with a clear fluoride releasing enamel protective sealant. Also available is Light Bond™ Filled Sealant, which contains 40% micro particle size filler making it abrasion resistant and fluoride releasing.

Sealants –

PRO SEAL™

Light cure fluorescing filled sealant with fluoride
Pro Seal™ 6ml bottle

PRO *Pro Seal™* is a state-of-the-art fluoride protective sealant and its armor like strength protects the enamel surface.



L.E.D. PRO SEAL™

Filled sealant with fluoride, cures with any LED curing light.

L.E.D. Pro Seal™ 6ml bottle



ASSURE® SEALANT

Assure® Sealant: will increase adhesion to normal, atypical, dry or slightly contaminated enamel. The universal bonding agent bonds to metal restorations without additional primers. No light curing required and it can be used with any light or chemical cure system.

6cc **AS**



Light Cure Band Cement



G&H®
MOLAR BANDS
APPEAR ON
PAGE 56

ULTRA BAND-LOK™ Light-Cure Light-cure band cement

Fluoride releasing, single paste cement which bonds chemically to metal

KITS—

Ultra Band-Lok™ Economy Kit

Paste in (6) 5g Push Syringes

UBL

Ultra Band-Lok™ Economy Kit Blue

Paste in (6) 5g Push Syringes

UBLB

Flowable Composite



FLOWTAIN® Light-Cure

FlowTain™ is a new flowable light cured composite with low viscosity which makes it ideal for bonded lingual retainers and splints. Excellent for use with Enforce^{irc}™ (see page 61).

ULTRA BAND-LOK™

No Wasteful Mixing: Single paste system

Light Activated: No working time constraints

All Purpose Cement: Ultra Band-Lok™ can also be used to bond brackets, lingual retainers and large acrylic appliances. When bonding these appliances, you must first etch the enamel surface.

Available In: Translucent tooth shade to blend in or blue shade to aid in clean up prior to curing

COMPONENTS—

Ultra Band-Lok™ Paste

(1) 5g Screw Syringe

UBLPP

Ultra Band-Lok™ Paste Blue

(1) 5g Screw Syringe

UBLBPP

Ultra Band-Lok™ Luer Loc Syringe

(1) 5g syringe w/10 tips

LLUBLP

Ultra Band-Lok™ Luer Loc Syringe (Blue)

(1) 5g syringe w/10 tips

LLUBLBP

Luer Loc Tips for UBL Syringe

60 Tips/Pkg.

LLTIPS

Ultra Band-Lok™ Luer Loc Syringe Kit

(6) 5g syringes w/60 15 gauge tips

LLUBL

Ultra Band-Lok™ Luer Loc Syringe Kit (Blue)

(6) 5g syringes w/60 15 gauge tips

LLUBLB

Reliance® Bonding Products & Adhesives *cont.*

Light Cure Bonding Adhesives



LIGHT BOND™ - see complete description on page 61

Fluoride releasing, light cured adhesive

KITS—

Light Bond™ Economy Kit - Reg. Paste
20g Paste in (44) Tips
Paste in four 5g Push Syringes

LBETF
LBEPF

Light Bond™ Economy Kit - Med. Paste
20g Paste in (44) Tips
Paste in four 5g Push Syringes

LBEMTF
LBEMPF

ASSURE®

Fluoride releasing light cure orthodontic adhesive

Assure® is the ideal viscosity to prevent bracket floatation while maximizing bond strength by chemically bonding to metal bracket bases. This single paste light cure adhesive releases a high level of fluoride and will bond to slightly contaminated sealant.

KIT—

Assure® Kit
Paste in (4) 5g Screw Syringes
Assure® Paste (1) 5g Screw Syringe
Assure® Sealant 6cc

AKP
APP
AS

Assure® Sealant: will increase adhesion to normal, atypical, dry or slightly contaminated enamel. The universal bonding agent bonds to metal restorations without additional primers. No drying or light curing required and it can be used with any light or chemical cure system.

FLOWTAIN™ - see complete description on page 61

Flowable light cure composite adhesive

FlowTain™ (medium viscosity)
1.5g Syringe with (10) needle tip canulas

FT

Replacement needle tip canulas - (10)

FTTIPS

FlowTain™ LV (light viscosity)
1.5g Syringe with (10) needle tip canulas

FTLV

Replacement needle tip canulas - (15)

FTLVTIPS

PAD LOCK™

Light cure bonding adhesive - creates a combination mechanical and chemical bond.

KITS—

Kit 4.5g in (10) Syringe Tips
Kit 4.5g in (10) Syringe Tips and fluoride
Kit (4) Push Syringes, 4.5g in each
Kit (4) Push Syringes, 4.5g in each and fluoride

PLTK
PLTKF
PLPK
PLPKF

COMPONENTS—

4.5g Syringe
4.5g Syringe w/fluoride
4.5g in (10) Tips
4.5g in (10) Tips w/fluoride

PLP
PLPF
PLT
PLTF

L.C.R.™ LIGHT CURE RETAINER

Highly filled, single paste light cured retainer adhesive

KITS—

Light Cure Retainer Kit
20g in (4) Push Syringes

LCREP

Light Cure Retainer Kit
20g Paste in (44) Tips

LCRET

COMPONENTS—

Light Cure Retainer 5g Push Syringe
Light Cure Retainer 5g Paste in (11) Tips

LCR
LCRT5

THERMA-CURE™

Heat curable lab adhesive for indirect bonding
Therma-Cure™ 5g Syringe

TC

QUICK CURE™

Light activated orthodontic adhesive

KITS—

Quick Cure™ Kit
20g Paste in (4) Push Syringes
w/6cc Assure Sealant

QCPAS

Quick Cure™ Kit
20g Paste in (4) Push Syringes
w/6cc Light Bond Sealant

QCPLB

Quick Cure™ Kit - 20g Paste in (44) Tips
w/6cc Assure Sealant

QCTAS

Quick Cure™ Kit - 20g Paste in (44) Tips
w/6cc Light Bond Sealant

QCTLB

COMPONENTS—

Quick Cure™ Paste (1) 5g Push Syringe
Quick Cure™ Paste 5g in (11) Tips

QCPP
QCPT

Suitable for use with MiniMold system, page 65.

Mixed Paste Self-Cure Bonding Adhesives



PHASE II®

Fluoride releasing, sealant/paste system

KITS—

Phase II® Kit
Paste in (6) 6g Screw Syringes

PSF

Phase II® Kit Paste in (2) 18g Jars

PJF

COMPONENTS—

Phase II® Paste A 18g Jar
Phase II® Paste B 18g Jar

PJAF
PJB

Phase II® Paste A
(3) 6g Screw Syringes

PSAF

Phase II® Paste B
(3) 6g Screw Syringes

PSB

Sealant Resin A 7g

S7AF

Sealant Resin B 7g

S7B

Phase II® Economy Sealant
Resin A 20g

S20AF

Phase II® Economy Sealant
Resin B 20g

S20B

PHASE II® DUAL CURE

Fluoride releasing, sealant/paste system

KITS—

Phase II® Dual Cure Kit
Paste in (2) 18g Jars

DCJF

Phase II® Dual Cure Kit
Paste in (6) 6g Screw Syringes

DCSF

COMPONENTS—

Phase II® Dual Cure Paste A 18g Jar
Phase II® Dual Cure Paste B 18g Jar

DCJAF
PJB

Phase II® Dual Cure Paste A
(3) 6g Screw Syringes

DCSAF

Phase II® Dual Cure Paste B
(3) 6g Screw Syringes

PSB



EXCEL®

Fluoride releasing, specialty bonding adhesive

REGULAR SET = 3 minute working time
FAST SET = 60 second working time

KITS—

Excel® Regular Set Kit
Paste in (2) 12g Jars

ERJF

Excel® Regular Set Kit
Paste in (4) 6g Screw Syringes

ERSF

Excel® Fast Set Kit Paste in (2) 12g Jars

EFJF

Excel® Fast Set Kit
Paste in (4) 6g Screw Syringes

EFSF

Excel® Regular Kit
For Herbst and all large acrylic appliances:

Paste in (2) 12g Jars
Paste in (4) 6g Screw Syringes

EHJF
EHSF

COMPONENTS—

Excel® Regular Paste A 12g Jar
Excel® Regular Paste B 12g Jar

ERJAF
ERJB

Excel® Regular Paste A
(2) 6g Screw Syringes

ERSAF

Excel® Regular Paste B
(2) 6g Screw Syringes

ERSB

Excel® Fast Paste A 12g Jar

EFJAF

Excel® Fast Paste B 12g Jar

EFJB

Excel® Fast Paste A
(2) 6g Screw Syringes

EFSAF

Excel® Fast Paste B
(2) 6g Screw Syringes

EFSB

Excel® Sealant Resin A 7g

S7AF

Excel® Sealant Resin B 7g

S7B

No-Mix Self-Cure Bonding Adhesives



RELY-A-BOND®

No-mix adhesive in both fluoride and non-fluoride releasing formulas

KITS—

NON-FLUORIDE RELEASING KITS

Rely•a•Bond® Kit
14g Paste in (33) Preloaded Tips

RT

Rely•a•Bond® Kit 14g Paste in Jar

RJ

Rely•a•Bond® Kit
14g Paste in (4) Push Syringes

RP

FLUORIDE RELEASING KITS

Rely•a•Bond® Kit
14g Paste in (33) Preloaded Tips

RTF

Rely•a•Bond® Kit 14g Paste in Jar

RJF

Rely•a•Bond® Kit
14g Paste in (4) Push Syringes

RPF

COMPONENTS—
Rely•a•Bond® Paste (1) 14g Jar

RPJ

Rely•a•Bond® Paste
(4) 3.5g Push Syringes

RPP

Rely•a•Bond® Paste-Thin
(4) 3.5g Push Syringes

RPPT

Rely•a•Bond® Paste 14g in (33) Syringe Tips

RPT

Primer 16g

RPRF

Reliance® Bonding Products & Adhesives *cont.*

Cements –

ULTRA BAND-LOK™ - see complete description on page 61

Light-cure band cement

Fluoride releasing, single paste cement which bonds chemically to metal

KITS–

Ultra Band-Lok™ Economy Kit
Paste in (6) 5g Push Syringes **UBL**

Ultra Band-Lok™ Economy Kit Blue
Paste in (6) 5g Push Syringes **UBLB**

COMPONENTS–

(1) 5g Push Syringe **UBLPP**
(1) 5g Push Syringe (Blue) **UBLBPP**



BAND-LOK™ Self-Cure

Self-cure band cement

Fluoride releasing, two paste glass ionomer band cement

Dual Curable: Band-Lok™ is a Dual Cure cement. It can be used with or without a dental curing light. When band is placed and flash is cleaned a 20-second light activation allows full protection from moisture. Without light activation a complete set is achieved in 10 minutes.

KITS–

Band-Lok™ Economy Kit
Paste in (8) 6g Screw Syringes
(4) of part A and (4) of part B **BL**

Band-Lok™ Economy Kit Blue
Paste in (8) 6g Screw Syringe
(4) of part A (blue) and (4) of part B **BLB**

COMPONENTS–

Band-Lok™ Paste A **BLSA**
(1) 6g Screw Syringe
(1) 6g Screw Syringe (Blue) **BLSAB**

Band-Lok™ Paste B **BLSB**
(1) 6g Screw Syringe



CROWN LOK™ Self-Cure

Available in fluoride releasing only

Product Features: Crown Lok™ is a self-curing two minute working time fluoride releasing cement. This versatile cement will bond chemically to all metal crowns, bands and appliances, reducing the chance of failure and facilitating cleanup at the conclusion of treatment. Available in tooth color shade or high visibility blue

KITS–

Crown Lok™ A & B Pastes Kit
(4) 6g Screw Syringes **CL**

Crown Lok™ A Blue & B Pastes Kit
(4) 6g Screw Syringes **CLB**

COMPONENTS–

Crown Lok™ Part A (1) 6g Syringe **CLSA**

Crown Lok™ Part A Blue (1) 6g Syringe **CLSAB**

Crown Lok™ Part B (1) 6g Syringe **CLSB**

PRECEDENT™

Fluoride releasing, glass ionomer cement

KITS–

Precedent™ Starter Kit
15g Powder, 15cc Liquid **PRS**

Precedent™ Economy Kit
100g Powder, 90cc Liquid **PRE**

COMPONENTS–

Precedent™ Powder 15g **PRP15**

Precedent™ Powder 100g **PRP100**

Precedent™ Liquid 15cc **PRL15**

Precedent™ Liquid 90cc **PRL90**

Sealants –

PRO SEAL™

Light cure fluorescing filled sealant with fluoride

Pro Seal™ 6ml bottle **PRO**

Pro Seal™ is a state-of-the-art fluoride protective sealant and its armor like strength protects the enamel surface.



L.E.D. PRO SEAL™

Filled sealant with fluoride, cures with any LED curing light.

L.E.D. Pro Seal™ 6ml bottle **LEDPRO**



ASSURE® SEALANT

6cc **AS**

Assure® Sealant: will increase adhesion to normal, atypical, dry or slightly contaminated enamel. The universal bonding agent bonds to metal restorations without additional primers. No drying or light curing required and it can be used with any light or chemical cure system.



MAXIMUM CURE®

Fluoride releasing, chemical cure sealant system

Maximum Cure® Sealant A 7g **MC7AF**

Maximum Cure® Sealant B 7g **MC7B**

Max Cure® Filled Sealant A 7g **MCF7AF**

Max Cure® Filled Sealant B 7g **MCF7B**

Maximum Cure® Economy, Sealant A 20g **MC20AF**

Maximum Cure® Economy, Sealant B 20g **MC20B**

CUSTOM I.Q.™

Fluoride releasing fast set indirect bonding sealant

Custom I.Q.™ Sealant A 7g **CIQA**

Custom I.Q.™ Sealant B 7g **CIQB**

Bonding Accessories –

Sponge Pellets 500/pkg **SP**

Reusable Nylon Mixing Spatula 50/pkg **S**

Mark II CR Syringe **CRII**

G&H® Bonding Brushes
2" long handle, 400/pkg **BND400**

Disposable Brush Tips, 100/pkg. **DBDT**

Handle for Brush Tips **DBDH**

Boosters –

ENHANCE L.C.™

Single component enhance light cure
Enhance Light Cure 6cc **LCE6**

ENHANCE™ Adhesion booster
for hypo-calcified or fluorosed enamel

Enhance Adhesion Booster™ Part A 3cc **EBAA**

Enhance Adhesion Booster™ Part B 3cc **EBAB**

Enhance Adhesion Booster™
Part A 6cc **EBAA6**

Enhance Adhesion Booster™
Part B 6cc **EBAB6**

Prep & Finish –

1ST & FINAL™

Pre-packaged orthodontic pumice

1st & Final Orthodontic Pumice 200 pcs. **FF**

RENEW FINISHING SYSTEM™

Adhesive removal & finishing system

Renew System™ Bur 118S (1) **RSB**

Renew System™ Bur 118L (1) **RSBL**

Renew System™ Bur 218 (1) **RSB2**

Renew System™ Point 383 (12) **RSPHP**

Straight Handpiece **RSPHP**

Renew System™ Point 383 Latch (12) **RSPL**

Renew System™ Point 383 **RSPFG**

Friction Grip (12) **RSPFG**

Reliance Diamond Bur 129 (1) **DB**

Restore 2 oz. (56.7g) **RESPP**

Diamond polishing paste

Clinical Training Aids

Chairside
Bonding Technique Cards **TECH**

Clinical Training Videos - Bonding
DVD **DOBRG2**

Disposable 2.5" **BB250**

Benda Brushes 250/pkg

Mixing Wells 5/pkg **MXW**

Mixing Pads 2.25" x 2.25" - 75 sheets **PADS**

Curelastic "Steri-Shield™"

Small 8mm to 10mm **CES**

Large 11mm to 13mm **CEM**

Etchants & Conditioners –

Etchant Liquid

Bottle 9g **EL9**
Economy Size 23g **EL24**

Etchant Gel

Bottle 9g **EG9**
Economy Size 18g **EG18**
Economy Syringe Pack
(5) 6.5g syringe w/100 tips **EGES**
(1) 6.5g syringe w/20 tips **EGSS**

G&H® Syringe Loaded Etchant 12g

with (25) Dispenser Tips, **BSET15**
Tips (50 per pkg.) **BSETIPS**

S.E.P.™ Self-Etching Primer

SEP Kit contains (3) mixing wells, (1) dispenser,
(2) refill cartridges, enough for 100 arches and
(100) Microbrushes® **SEP**

Self-Etching Primer Refill

(1) refill cartridge, enough for 50 arches **SEPR**

Self-Etching Primer Dispenser (1) **SEPD**

Plastic Conditioner 10cc **PL**

Metal Primer 10cc **ME**

Porcelain Conditioner 15cc **PO**

Porc-Etch™

Porcelain etching agent (9g)
with barrier gel (3cc) **POE**

ORTHO-FLEXTECH™

Dental Retention System (not nickel-free) **OFT2**

Ortho-FlexTech™ - The Next Generation in
Lingual Retention Using Solid Gold Chain Retainer

- Stabilizes orthodontic corrections
- Prevents rotational relapses
- Easy application - naturally forms to lingual arch curvature
- Less doctor time / less chair time
- Low failure rate due to "flex linkage"
- No laboratory costs or delays
- Improved patient comfort - lays flat against the teeth
- Lasting esthetics due to 14 karat gold composition
- 30" Length - Makes 25 cuspid to cuspid retainers

HILGERS BOND-A-BRAID™ **BAB2**

- Lingual Retainer
- .027" x .011" Ribbon Arch Wire
- 8-Strand Braided Wire
- Dead Soft - Adapts Easily
- 6" Length - 10/Tube

Hilgers Bond-A-Braid™ - The dead soft wire easily adapts and is excellent for semi-permanent orthodontic splinting of the upper and lower incisors, diastema maintenance and other tooth splinting.



SmartBond® Reliable Wet Field Bonding!

Cyanoacrylate Adhesive

Bond High Cuspids Successfully with SmartBond!

- SmartBond® kits include**
- Adhesive in syringe
 - Etch in syringe
 - Luer lock tips
 - Microbrushes
 - Mixing pads

GREAT REFERRAL FOR ORAL SURGEONS!

SmartBond® is a true one-step adhesive that bonds in a wet field. In fact, SmartBond® adhesive is **activated only when it contacts moisture**. Teeth are cleaned and etched for bonding as usual, but when the etchant is rinsed off, the next step is to bond. There is no drying, no sealants and there is **no dry field to maintain**.

SmartBond® activation begins when a bondable attachment is delivered to the tooth and the adhesive contacts wet enamel. Five-second working time, five-minute bond set.

SmartBond® makes **bonding in difficult locations easy**. Partially or surgically exposed teeth, molars, lingually displaced teeth and high cuspids all can be successfully bonded with SmartBond®.



SmartBond®

Instant cyanoacrylic adhesive

Mini-kit 3g (Includes 20 tips)	SM-000
Economy Kit 6g (two 3g) (Includes 40 tips)	SM-001
Trial Kit 1g (Includes 10 tips) (does not include etch or microbrushes)	SM-010
Refill Syringe 3g	SM-002

SmartBond® component parts

Luer Lock Tips (18 gauge - 40 per box)	SM-005
Etch Gel Syringe 6g	SM-003
Micro-Brushes (box of 50)	SM-004
Mix Pads	SM-006

EXTRUSION HOOKS Mesh base assures reliable bonding, low profile limits irritation, 14k gold and titanium nitride-coated hook & chain reduces possibility of allergic reactions. Sold individually. **€ 0120**



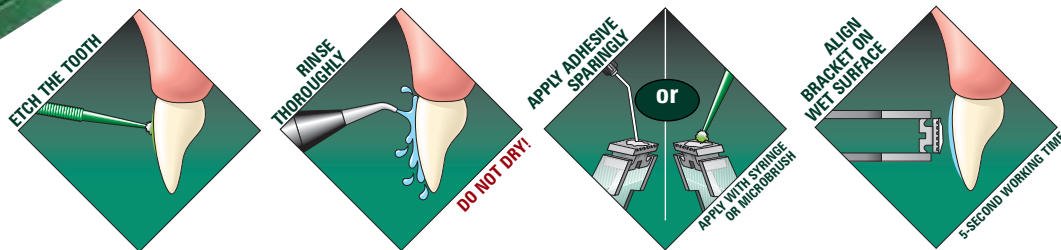
14k Gold Extrusion Hook w/Chain **EXHK14K**

Stainless Steel Bondable 10/pack **EXHK**



€ 0510

RELIANCE® ADHESIVES
Starting on page 61



NOTE: SmartBond® is a filled cyanoacrylate base adhesive. Care should be taken in dispensing, use and storage to avoid unintended adhesion.

SmartBond is a registered trademark of Gestenco International AB, Sweden

Note: Refrigerated storage of SmartBond® recommended

Phone
Toll-Free - US/Canada: 800-526-1026 | International/Toll: 317-346-6655

Fax 317-346-6663 | **Email** ghmail@ghwire.com

Website www.ghwire.com

G&H® Retractors

CHEEK RETRACTOR

Soft material for patient comfort - Full function design - Includes handles which may be held by the patient - Effective for intra-oral photos as well as bonding - Autoclavable **€€**



Autoclavable / Sold indiv. **CR-00-01**
160°C - 320°F Maximum Temperature

CHEEK RETRACTOR

Assure accessibility throughout the oral cavity - Stainless steel bow provides comfort and durability - Intra-oral extensions fully retract cheeks - Dry heat and autoclave compatible **€€**



Adult size **CH1**
Pediatric size **CH2**
autoclave or dry heat sterilize / sold indiv.

Adult size - autoclave only / Sold indiv. **CHRT**
177°C - 350°F Maximum Temperature

TLC RETRACTOR-TONGUE, LIPS & CHEEK

Designed to maximize intra-oral exposure for any treatment procedure - Lips and cheeks are retracted simultaneously while the tongue is blocked - Soft material and gentle force insures patient comfort **€€**



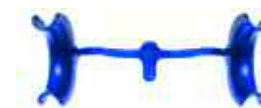
Autoclavable / Pkg. of 2 **TLC**
127°C - 260°F Maximum Temperature

CHEEK & TONGUE RETRACTOR

A classic design provides comfortable cheek retraction while blocking the tongue - Available in two materials. **€€**



Autoclavable / Sold indiv. **PCKE-1**
125°C - 257°F Maximum Temperature



Disposable / Pkg. of 10 **PCKE-1D**
Not autoclavable

GINGIVAL LIP RETRACTOR

Designed to provide vertical (gingival) lip retraction.



(2 of same) per package

Adult **LR-00-01**
Child **LR-00-02**

Autoclavable / 160°C - 320°F Maximum Temperature

G&H® BONDING ACCESSORIES

No Down-Time!
Operates with or without cord for unlimited usage!



LEDEX™ Portable LED curing light

G&H® introduces the **LEDEX™** portable/rechargeable LED curing light. Bond an entire arch without light intensity degradation or excess heat.

- **10-Second Bracket Cure Time**
- **Cord or Cordless Operation**
- **No Down-Time**
- **Easy-To-Read LED Display**
- **Simple Mode Selection**
- **Low-Heat for Patient Comfort**



1-Year Warranty!

- Light wavelength between 440 and 480nm and intensity from 1,000 to 1,200mw/cm². These characteristics enable the light to polymerize almost all photosensitive composite resins.
- The light rod is made from genuine optical fiber ensuring the highest possible intensity of light at the tip.
- Thermal protection circuit automatically shuts down light to prevent overheating.
- Automatic memorization of the last operation performed
- Cordless / cord combo operation allows continuous usage, - energy saving auto sleep mode

The use of UV protective eyewear is recommended for operators and patients during curing procedures with any light.



LEDEX™ Portable LED Curing Light Kit
w/110v Power Cord (U.S.) or international adapter if required
Order Code: **DC100**

Includes:
Handpiece, Power Cord, Fiber-Optic Light Rod, UV Protective Shield, UV Protective Cone, Clean Covers, Holder, Instruction Manual.

Component Parts available separately

Hand Piece	DC010
Power Supply	DC020
Power Adapter (European)	DC021
Power Adapter (United Kingdom)	DC022
Power Adapter (Australia/New Zealand)	DC023
Fiber-Optic Light Rod (8mm tip)	DC030
UV Protective Shield (each)	DC040
Clean Covers 2"x10" (100/pkg.)	DC090
User Manual	DC060
Holder	DC070
UV Protective Cone (each)	DC080
Battery	DC001

"I find the LEDEX™ curing light from G&H® to be an effective part of our clinical bonding technique. The light's portability and high intensity make it an important part of our bonding success rate."

Robert J. Gange, DDS, MS
Windsor, CT

LEDEX™ is a trademark of Dentmate Technology Co., LTD

Cordless LED Curing Pen Light



Battery-operated LED penlight ☺
Takes 3 AAAA batteries (included). **CCLP**

Replacement Batteries
2 AAAA batteries **AAAABAT**

Microbrushes

Microbrush® delivers just the right amount of liquid directly where desired, without waste. ☺

Four-pack assorted colors: one each of green, purple, orange and blue. Total of 400 brushes/pkg.

MBAS400



Microbrush® is a registered trademark of Microbrush



Bite-Bumper™

Bite-Bumpers™ work to open deep bite cases by allowing the anteriors to ride up and out of occlusion. The Bite-Bumpers™ eliminate bond failures of brackets and are especially valuable with ceramic or self-ligating brackets. ☺ **0120**

The unique fixed "placement-jig" guarantees the correct height on the lingual of the tooth and makes sure the two Bite-Bumpers™ are 100% parallel.



The Bite-Bumpers™ are made of a composite polymer that is more comfortable, aesthetic and will increase biocompatibility in nickel sensitive patients.

Bite-Bumpers™ are bonded in the same manner as plastic or composite brackets. The Bite-Bumpers™ have a slotted mechanical bonding base.

Package of 10
BB-00-10



1. Put the placement-jig against the incisal edge. 2. Remove the jig. 3. Bite-Bumper™ ready

The placement-jig can be easily removed by hand or by a cutting instrument after bonding.

Bite-Bumper is a registered trademark of Gestenco International AB, Sweden

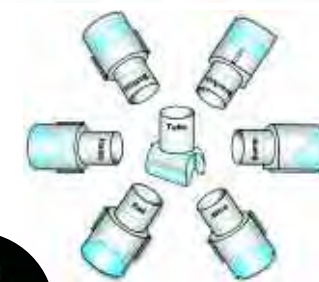
Mini-Mold™ Kits

The various molds fabricate buttons, bite ramps, habit control spikes, temporary brackets, molar tubes, molar pads and create uniform lingual retainer bonds using light cure adhesives. Each mold is designed to pack with light cure adhesive, press against tooth, cure and peel away mold leaving a formed auxiliary on any tooth in just minutes. Starter kit features three of each mold design, two application handles and instructions. Individual mold designs sold in packs of 10 tips (8 Bite Ramps), plus handle and instructions. Compatible with Reliance® Assure®, Light Bond™ & Quick Cure™ adhesives. ☺



MINI-MOLD™ KITS

STARTER KIT	MMASSTK
Wire Bonder Kit Small	MMWBKSM
Wire Bonder Kit Large	MMWBKLG
Button Bonder Kit	MMBTNK
Bracket Bonder Kit	MMBRKTK
Habit Control Bonder Kit	MMHCK
Bite Ramp Bonder Kit (3mm)	MMBITEK
Bite Ramp Bonder Kit (5mm)	MMBITE5K
Tube Bonder Kit	MMTBK
Molar Pad Tip Kit	MMMPTK
Handle Only	MMH



Wire Bonder Tips - Small and Large

G&H®

Extraoral & Finishing Products

www.ghwire.com


**Facebows &
Lip Bumpers** 68

**Face Masks
& Accessories** 67

HEADGEAR

**Extraoral
Headgear &
Accessories** 69

**Headgear
Storage Cases,
Neckpads** 69

RETENTION & FINISHING PRODUCTS

**Enforce frc™
Everstick® Ortho
Everstick® A&O
Glass Fiber
Retainers** 70, 71

**NEOsmile™
Tooth Positioners** 71



Phone

Toll-Free - US/Canada: 800-526-1026 | International/Toll: 317-346-6655



Fax

317-346-6663



Website

www.ghwire.com



Email

ghmail@ghwire.com

G&H® Extraoral Facemasks



Phone

Toll-Free - US/Canada: 800-526-1026



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com

Protraction Face Mask

The adaptability of the **G&H® Adjustable Protraction Face Mask** allows for directional force application by adjusting the elastics engagement bar to deliver protractive force in the desired plane. Fully adjustable forehead and chin rests allow for adaptation to most patient's anatomical structure. The angle of traction is then determined by adjusting the elastics engagement bar to deliver horizontal, upward or downward forces as necessary.

Face mask adjustments are made with an Allen wrench (2mm Allen wrench included). Padded forehead and chin rests offer comfort for extended wear and may be cleaned. Traction force application recommends 1/2" elastics with 16 oz. pull ratings, but alternate elastics may be used if differing forces are desired.

Replacement parts sold individually ☒

Order Information:

Large - 10 1/4" Vertical Support Bar **PFMLG1**

REPLACEMENT PARTS

Protraction Face Mask

- Chin Cup w/2 pads **PFM001**
 - Forehead Piece **PFM002**
 - Allen Wrench (2mm) **PFA**
 - Replacement Pads **PFMRP**
- Includes (2) Forehead & (2) Chin Cup



**1/2" (12,70mm)
extraoral Elastics**

Bulk Pouches of 1,000 elastics in natural rubber latex ☒

- 8 oz. **AX012B**
- 16 oz. **AXH12B**

See all Elastics on page 45



Reverse Pull Face Mask

The **Reverse Pull Face Mask** is available in two sizes and offers comfortable anchorage for protraction.

The stainless steel frame is softened by hypo-allergenic chin and forehead pads to minimize irritation and maximize patient acceptance. Bilateral and bilongitudinal adjustability allow for patient customization. All adjustments are made with an Allen wrench (1.5mm Allen wrench included with each mask).

Both masks include: 2 forehead pads, 2 chin pads, replacement screws & Allen wrench. Replacement parts available and sold separately. ☒

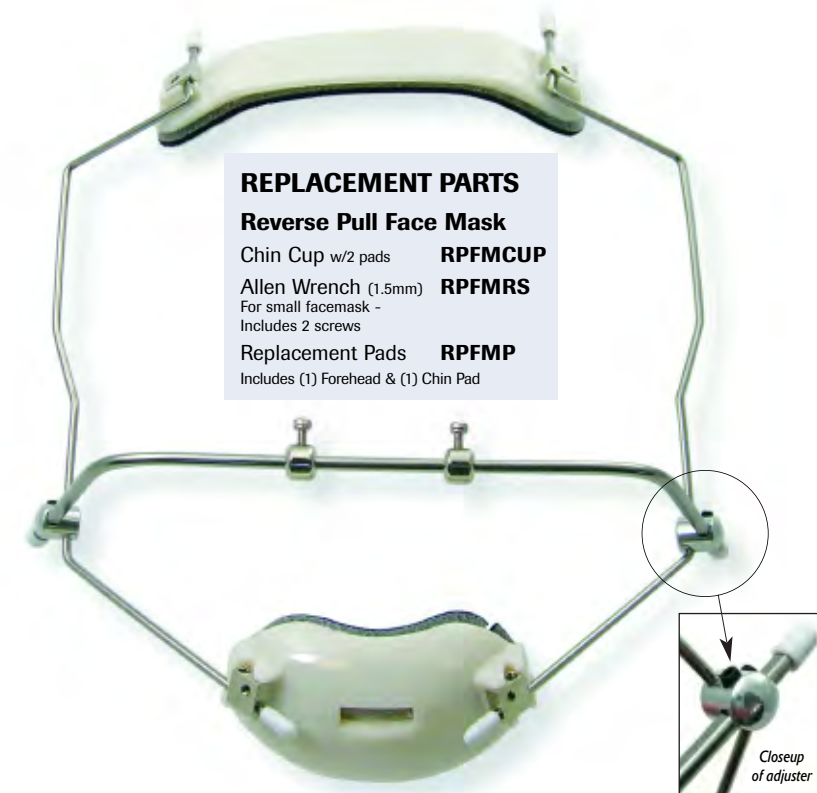
Order Information:

- Small **RPFMSM**
- Large **RPFMLG**

REPLACEMENT PARTS

Reverse Pull Face Mask

- Chin Cup w/2 pads **RPFMCUP**
- Allen Wrench (1.5mm) **RPFMRS**
- For small facemask - Includes 2 screws
- Replacement Pads **RPFMP**
- Includes (1) Forehead & (1) Chin Pad



G&H® Facebows and Lip Bumpers



Phone

Toll-Free - US/Canada: 800-526-1026 | International/Toll: 317-346-6655



Fax

317-346-6663



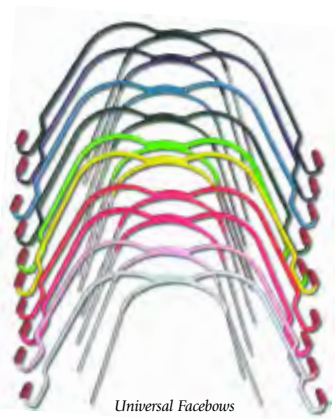
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ghmail@ghwire.com



Website

www.ghwire.com



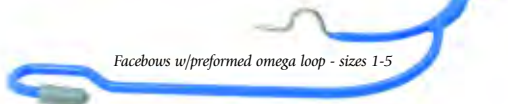
Universal Facebows

Color Coated Facebows have a durable color coating to resist peeling, cracking and discoloration. Available in five inner bow sizes*. Medium outer bow size, .045" diameter wire. *Sold individually.* €

	SIZE 1 (83mm)	SIZE 2 (90mm)	SIZE 3 (97mm)	SIZE 4 (104mm)	SIZE 5 (111mm)	UNIVERSAL
Black	CCFB101	CCFB201	CCFB301	CCFB401	CCFB501	CCFB001
Blue	CCFB102	CCFB202	CCFB302	CCFB402	CCFB502	CCFB002
White	CCFB103	CCFB203	CCFB303	CCFB403	CCFB503	CCFB003
Orange	CCFB104	CCFB204	CCFB304	CCFB404	CCFB504	CCFB004
Dark Green	CCFB105	CCFB205	CCFB305	CCFB405	CCFB505	CCFB005
Lime Green	CCFB106	CCFB206	CCFB306	CCFB406	CCFB506	CCFB006
Yellow	CCFB107	CCFB207	CCFB307	CCFB407	CCFB507	CCFB007
Purple	CCFB108	CCFB208	CCFB308	CCFB408	CCFB508	CCFB008
Pink	CCFB109	CCFB209	CCFB309	CCFB409	CCFB509	CCFB009

*Size measurements are made distal to the omega loop to distal of the other loop along the inner bow.

◆ G&H® recommends using facebows only with properly designed safety release systems to prevent potential harm to patients.



Facebows w/preformed omega loop - sizes 1-5

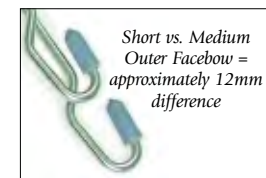


Standard Facebows in bright stainless steel. Five sizes plus Universal - Available in short or medium outer bow sizes €

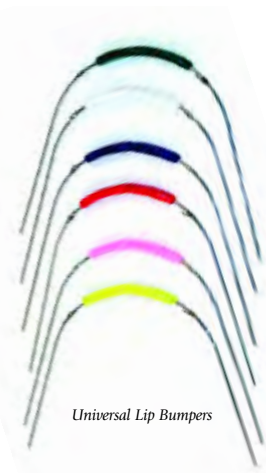
Universal Facebow pictured

SHORT OUTER BOW **MEDIUM OUTER BOW**

SIZE 1 (83mm)	STFBSH01	STFB01
SIZE 2 (90mm)	STFBSH02	STFB02
SIZE 3 (97mm)	STFBSH03	STFB03
SIZE 4 (104mm)	STFBSH04	STFB04
SIZE 5 (111mm)	STFBSH05	STFB05
UNIVERSAL	STFBSH00	STFB00



Short vs. Medium Outer Facebow = approximately 12mm difference



Universal Lip Bumpers

Lip Bumpers are precision shaped to relieve lip and cheek pressures and allow teeth to unravel quickly. Bumpers feature colored lip pad and include small ligating hooks for securing in place. Sizes 1-5* and Universal, .045" diameter wire - *Two per pack* € 0120

	SIZE 1 (83mm)	SIZE 2 (90mm)	SIZE 3 (97mm)	SIZE 4 (104mm)	SIZE 5 (111mm)	UNIVERSAL
Black	CCLB101	CCLB201	CCLB301	CCLB401	CCLB501	CCLB001
Blue	CCLB102	CCLB202	CCLB302	CCLB402	CCLB502	CCLB002
White	CCLB103	CCLB203	CCLB303	CCLB403	CCLB503	CCLB003
Orange	CCLB104	CCLB204	CCLB304	CCLB404	CCLB504	CCLB004
Dark Green	CCLB105	CCLB205	CCLB305	CCLB405	CCLB505	CCLB005
Lime Green	CCLB106	CCLB206	CCLB306	CCLB406	CCLB506	CCLB006
Yellow	CCLB107	CCLB207	CCLB307	CCLB407	CCLB507	CCLB007
Purple	CCLB108	CCLB208	CCLB308	CCLB408	CCLB508	CCLB008
Pink	CCLB110	CCLB210	CCLB310	CCLB410	CCLB510	CCLB010
Red	CCLB111	CCLB211	CCLB311	CCLB411	CCLB511	CCLB011

*Sizes are measured from distal of the omega loop to distal of the other loop.



Lip Bumpers w/preformed omega loop - sizes 1-5



G&H® Safety Release Modules have been re-designed for greater strength and durability.

Safety Release Modules

Three force ranges to provide dependable retraction - Specially designed retention clip releases at 4-5 lbs. of outward force for patient safety. €

Order Information:

(5) pairs per pack

	450 GR	600 GR	750 GR
Dark Blue	SRDB450	SRDB600	SRDB750
Black	SRBK450	SRBK600	SRBK750

G&H® Extraoral Accessories

Extraoral Headgear products are assembled of the highest quality materials to ensure reliability, comfort and durability. All neckpads and headcaps are sewn to exacting detail using natural materials to eliminate irritation. We design them to accommodate most safety release module systems, including G&H®'s own traction system. G&H® offers a variety of color options to enhance patient acceptance and compliance.

Cervical Neckpads

Two placement loops, for adjustability, ensure accuracy of fit. Manufactured with plush padding for comfort. ☼

Order Information:

(5) of one color per pack

Confetti	CPCF10
Royal Blue	CPRB10
Denim Blue	CPDB10
Pink	CPPK10
Black	CPBK10



Close-up of stitching detail

Headgear Storage Cases

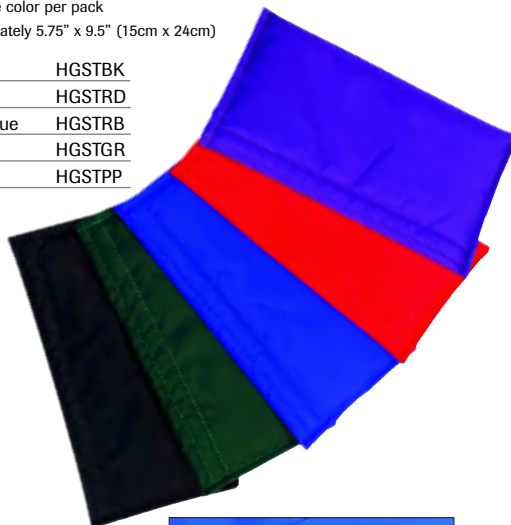
Velcro® closures conveniently store facebow and headgear to protect and organize. Perfect size for any configuration. Five of one color per package. approximately 5.75" x 9.5" (15cm x 24cm).

Order Information:

(5) of one color per pack

Approximately 5.75" x 9.5" (15cm x 24cm)

Black	HGSTBK
Red	HGSTRD
Royal Blue	HGSTRB
Green	HGSTGR
Purple	HGSTPP



Close-up of stitching detail

High Pull Headcaps

Two sizes of headcaps, each with two placement loops, ensures accurate fit for patients. ☼

Order Information:

(5) of one color per pack - Nylon

	SMALL	LARGE
Black	HPSBK5	HPLBK5
Royal Blue	HPSRB5	HPLRB5
Red	HPSRD5	HPLRD5



Sof-Gear Chin Cup Headcaps

Ultra-comfortable and effective headcaps have chin cups attached with Velcro®. Headcap and chin cup assembly available as a set or as separate components. ☼

Order Information:

Royal Blue only - 5/per pack

	JUNIOR	REGULAR
Sof-Gear Chin cup with Headcap	SOF-CCJ	SOF-CCR
Sof-Gear Headcap	SOF-HPJ	SOF-HPR
Sof-Gear Chin cup (one size)	SOF-CC	



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Email

ghmail@ghwire.com



Website

www.ghwire.com

Retention & Finishing

Fiber Reinforced Composites for Bonded Lingual Retention – a clinically proven biomaterial advancement for Orthodontists!

everStick® ORTHO

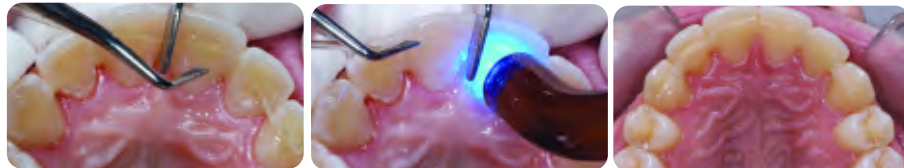
incorporates a thousand glass fiber strands bound together with a pre-impregnated light cure adhesive that allows adaptation directly in the patient's mouth. The integrated fiber bundle is both malleable and tacky—perfect characteristics for close adaptation and positive retention prior to curing. .030" (0.75mm) passive diameter - flattens significantly during adaptation.

Order Information:

Box of (2) 12cm strands
Refrigerated Storage Recommended

EVERSTICK

*Clinical case photos of 14-year old female**



*Typical FRC application by Vittorio Cacciafesta, DDS, MSc, PhD and M. Francesca Sfondrini, MD, DDS - Italy

everStick and StickTech are registered trademarks of Stick Tech Ltd. Oy.



The strength and durability of glass fibers combined with filled composite

- No frayed or messy fiber ends
- Easy-to-apply chairside method
- Bonds chemically & mechanically
- Compatible with all light cure composites
- Metal free & aesthetically pleasing
- Low profile and aesthetic
- Labial or lingual placement

Ideal for many applications:

- Lingual upper and lower retention
- Diastema retention
- Posterior anchorage
- Trauma or periodontal splinting
- Extraction site maintenance
- Segmented movement

RISK-FREE TRIAL!

Receive a 5cm trial piece of everStick® Ortho, everStick® A&O or Enforce frc™ with your first purchase!

(next page)

Try the 5cm sample piece and if you are not completely satisfied, return the unopened kit for a full refund.

Enforce^{frc}™

incorporates thousands of glass fiber strands bundled together with a pre-impregnated light cure adhesive that allows adaptation directly in the patient's mouth.

The integrated fiber bundle is malleable and tacky— perfect for close adaptation and positive retention prior to curing. .032" (.8mm) passive diameter - may be flattened significantly during adaptation.

Order Information:

Box of (2) 12cm strands
Refrigerated Storage Recommended

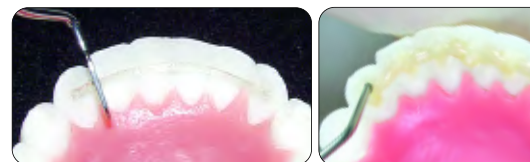
ENFORCEKT

Enforce frc™ is a trademark of G&H Wire Company, Inc.



The strength and durability of glass fibers combined with filled composite

- Easy-to-apply chairside method - no pre-adaptation
- Bonds chemically & mechanically
- Compatible with all bis-GMA cure composites
- Metal free & biocompatible
- Low profile and aesthetic
- Labial or lingual placement



Ideal for many applications:

- Lingual upper and lower retention
- Diastema retention
- Segmented treatment adjunct
- Posterior anchorage
- Trauma or periodontal splinting
- Extraction site maintenance
- Compliments TAD mechanics

Fiber Reinforced Composite Companion Products

FRC Placement Tool

A double-ended spatula that is angled for ease of application and curing of FRC bonded lingual retainers and splints.



Order Code: **PLACE**



FlowTain® Flowable light cured composite adhesive.

FlowTain® is a flowable light cured composite with low viscosity which makes it ideal for bonded lingual retainers and splints.

CE 0473



Order Code: **FT**

FlowTain (medium viscosity) 1.5g syringe with 10 needle-tip canulas

Order Code: **FTLV**

FlowTain (light viscosity) 1.5g syringe with 10 needle-tip canulas

LEDEX™ Portable LED curing light

G&H® introduces the **LEDEX™** portable/rechargeable LED curing light. Bond an entire arch without light intensity degradation or excess heat. Includes one year warranty.



Complete information on page 65

Individual components also available separately

LEDEX™ Portable LED Curing Light Kit
w/110v Power Cord (U.S.)
International power adapters also available

Order Code: **DC100**

LEDEX™ is a trademark of Dentmate Technology Co., LTD

Retention & Finishing – Continued



Phone
Toll-Free - US/Canada: 800-526-1026 | International/Toll: 317-346-6655



Fax
317-346-6663



Email
ghmail@ghwire.com



Website
www.ghwire.com

Fiber Reinforced Composite For Intraoral Splinting

everStick® A&O incorporates two thousand unidirectional glass fiber strands bound together with a pre-impregnated light cure adhesive that allows adaptation directly in the patient's mouth. The integrated fiber bundle is both malleable and tacky—perfect characteristics for close adaptation and positive retention prior to curing. .047" (1.20mm) passive diameter - flattens significantly during adaptation.



The strength and durability of glass fibers combined with filled composite

- No frayed or messy fiber ends
- Easy-to-apply chairside method
- Bonds chemically & mechanically
- Compatible with all light cure composites
- Metal free & aesthetically pleasing
- Low profile and aesthetic
- Labial or lingual placement

Ideal for many applications:

- Trauma or intraoral splinting
- Lingual upper and lower retention
- Diastema retention
- Posterior anchorage
- Extraction site maintenance
- Segmented movement

Clinical application of everStick® A&O



Photos courtesy of Stick Tech Ltd. Oy.

RISK-FREE TRIAL!

Receive a 5cm trial piece of everStick® A&O with your first purchase!

Try the 5cm sample piece and if you are not completely satisfied, return the unopened kit for a full refund.

Order Information:
Box of (2) 12cm strands - Refrigerated Storage Recommended
AOSTICK

everStick and StickTech are registered trademarks of Stick Tech Ltd. Oy.

NEOsmile™

TOOTH POSITIONER
for the perfect finish



The G&H® **NEOsmile™** is a preformed tooth positioner that will idealize the patient's finishing occlusion upon debanding. The NEOsmile™ will maintain a Class I ideal relationship and provide some buffering against TMJ related irritations. Each NEOsmile™ incorporates molded air holes for unencumbered breathing. Like a custom tooth positioner, the NEOsmile™ is seated on the upper arch posterior on one side and stretched to the opposite side. Then the patient can gently clench to fully occlude into the appliance.

TYPICAL INDICATED APPLICATIONS

Moderate space closure, band spaces, minor diastema closure, 3-4° torque, 5-8° rotation, and minor to moderate uprighting can be achieved where space is available.

Generalized spacing may be corrected by staging sizes of the NEOsmile™. When generalized spacing is present and NEOsmile™ is fitted to the patient, it is typically recommended to use a size smaller than patient's measured size. Patients with moderate generalized spacing may require the use of two concurrent NEOsmile™ positioners in incrementally smaller sizes to achieve ideal results.



SELECTING THE PROPER SIZE

Determine the patient size for the NEOsmile™ by measuring the millimeter span from distal of upper cuspid to distal of opposite cuspid along the incisal edges.

The NEOsmile™ comes in three permutations and is adaptable to varied dental relationships. For instance, the Non-Extraction series can be used with excellent results for patients with either first or second molar extraction. For bicuspid extraction, the NEOsmile™ can be used for first or second bicuspid extraction cases. The NEOsmile™ is available in the following kits or individually in one millimeter increments as indicated. CE

	NON-EXTRACTION	FOUR BICUSPID EXTRACTION	TWO UPPER BICUSPID EXTRACTION
INDIVIDUAL	PFTPS0* 42-58mm	PFTPS4* 45-60mm	PFTPS2* 45-56mm
KIT OF 10	PFTPS010	PFTPS410	PFTPS210
Includes ruler	45-54mm	47-56mm	46-55mm

*Insert preferred millimeter size, available in 1mm increments.

MM Ruler

Our unique double-sided **80mm Ruler** features a hole to engage a post or hook making space measurement quick, easy and accurate!

Box of 20.

Order Information:
Box of 20
RULERMGG



Pliers & Instruments



G&H® Hand Instruments

Key Features of All G&H® High-Quality Pliers and Cutters

All Pliers and Cutters are made of corrosion resistant stainless steel with brilliant finish able to withstand all accepted sterilization methods.

Cutting edges are diamond-honed

Balanced Assembly

Hard Chrome Finish

G&H® High-Quality Pliers begin on page 76



WIDE TIP



SERRATED CARBIDE TIP

G&H® MATHIEU NEEDLE HOLDER

Features serrated carbide tips to ensure grip and longevity for those applications where Mathieu needle holders are useful - Spring loaded opening requires just the right pressure for repeated use without hand fatigue.

Flat Tip **MNH100C**



NARROW TIP

G&H® MATHIEU HEMOSTAT - NEEDLE TIP

Narrow, serrated tips for easy placement of elastic modules

Narrow **MNHNT**



G&H® MOSQUITO HEMOSTAT

Clicks to close and offers an optional hook tip for securely retaining elastomeric ligatures

Flat Tip

MOSQUITO

INSTRUMENTS

G&H® Hand Instruments 72-75

Pliers
Hammacher Premium Pliers 80, 81

G&H® Pliers 76-79



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ghmail@ghwire.com



Website

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G&H® Hand Instruments

We commissioned our new line of hand instruments to exacting standards—each instrument is designed for high performance and durability at an economical price. All of our instruments are compatible with autoclave, dry heat and other conventional sterilization techniques. ☺



Phone

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Fax

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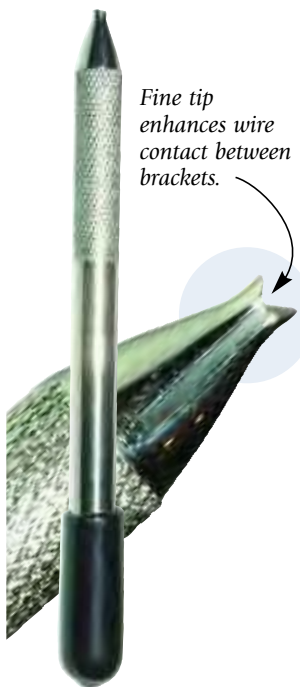
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ghmail@ghwire.com



Website

www.ghwire.com



Fine tip enhances wire contact between brackets.

G&H® THERMA-STICK™
A hollow tube with a special tip that is filled with water, then frozen - Place the frozen tip against NiTi wire (particularly M5™ Thermal NiTi) to soften the wire for easy engagement in the bracket; Therma-Stick™ may be used directly in the patient's mouth. The G&H® Therma-Stick™ has a smaller, more tapered head than similar instruments, allowing improved access between brackets. ☺
G&H® Therma-Stick™ **THSTK**



G&H® SEPARATOR PLIER
Features a spring-loaded adjustable stop to prevent overstretching for convenient separator placement. Compatible with any donut-type separator
SEPPLR



BITE STICK
Our high heat bite stick is compatible with any conventional sterilization method, including Dry Heat up to 350° F. Serrated stainless steel insert ensures positive contact without slipping. Sold individually ☺
High Heat (Beige)
BSHH100



G&H® MERSHON BAND PUSHER
Features a hollow handle and serrated square tip for non-slip contact
MBP



G&H® SCALER/BAND SEATER
Simplifies cement cleanup and band adaptation - The seating tip is serrated on four sides and end.
BSEAT



G&H® DOUBLE-ENDED DISTAL-END BENDER
The .030" and .018" openings accommodate all typical arch-wire sizes. The .018" tube allows easier cinching of smaller diameter wires distal to the buccal tube and the long head ensures access to even 3rd molar terminal points.
DEDEBEND



G&H® DOUBLE-ENDED LIGATURE DIRECTOR
Has one offset tip and one angled tip for complete oral access
LIGDIR



G&H® TWIRL-ON INSTRUMENT
Expedites elastomeric ligature placement
TWIRL

G&H® Hand Instruments - Bracket Placement €



BRACKET HEIGHT GAUGE

(Stars - Boone Gauge)

Features four pin heights (3.5, 4, 4.5, and 5mm) to orient bracket slots in proper inciso-gingival locations -
Stainless steel and sterilizable -
Sold individually €

Stainless Gauge (dry heat compatible) ea.

SSBRACG



Zand Gauges

These devices measure the desired millimeter distance from the incisal edge and mark the tooth with graphite prior to bracket placement to accurately align the bracket archwire slot mesio-distally and inciso-gingivally. €

Order Information:

Set of 8 markers include 3.5, 4, 4.5, and 5mm measurements for anterior and posterior teeth - Sold in sets only

ZDGG10



G&H® BRACKET HEIGHT GAUGE

Incorporates a precision bar to seat in archwire slot at a 3.5, 4, 4.5 or 5mm distance from occlusal rest to accurately position brackets during bonding. Made of aluminum, available in .018 or .022 versions.

.018 Gauge
BRKTPOS018
.022 Gauge
BRKTPOS022



G&H® BRACKET PLACING TWEEZER

Narrow, contoured tips provide a secure grip on brackets while maintaining an open field of vision for accurate placement.

TWEEZER



G&H® POSTERIOR BOND PLACER

Designed for precise placement of posterior bonded attachments. Anodized aluminum with a small head to allow a wide field of vision. Serrated tips

BRPL050S

Please Note:

The Posterior Bond Placer instrument requires lubrication to insure proper function. Lubricate the neck where the sleeve slides across it. Use a silicone lubricant or non-stick cooking spray just before each usage. (For a clean application spray lubricant on a paper towel and wipe on the neck.)



G&H® REVERSE ACTION BUCCAL TUBE PLACER

Provides a positive grip on bondable buccal tubes - Squeeze to release - The specially designed tips allow placement and positioning while maintaining an open sightline. One tip fits inside the tube and the other grips the exterior surface.

KBTPSHR



G&H® BUCCAL TUBE PLACER

Makes buccal tube bonding simple and precise - No more fumbling for access with cumbersome instruments that block your sightlines. Insert fine tips into tube and release—tweezer tips expand inside tube for a secure grip. Once positioned, simply squeeze to retract tip out of tube.

Long Handle **KBTPLG**
Short Handle **KBTPSH**



G&H® REVERSE ACTION BRACKET PLACER

Provides positive grip on brackets and other attachments during bonding procedures - Squeeze to release - Engage the opposing end of the anterior instrument in the bracket slot for final positioning. Stainless steel

Anterior **BRPL010**
Posterior **BRPL020**



Phone

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G&H® Hand Instruments - Abrasives and Burs

Microetcher II-A Intraoral Sandblaster

Provides precise surface micro-roughening, improving bond strength.

- Etches all metals, composites & amalgam
- Intraoral porcelain repair
- Pit & fissure prep
- Cleans darkened grooves to reveal decay
- Debriding bur preps for best esthetics & bonds

Order Number **22005-01**



- Includes:
- MicroEtcher IIA Handpiece (fully autoclavable)
 - .48 carbide nozzle assembly
 - 6' Airline
 - Instruction Manual

Interproximal Stripping Instrument

Full stainless steel - Durable and sterilizable
Securely holds lightning strips for controlled reduction

Interprox Stripper Handle **INTPRXHNDL**



Lightning strip handle engagement



Lightning Strip Abrasives

Used for mesial-distal reduction. Can be used alone or with instrument -12 strips per package

	Size	
Single-sided .0083 in. .21mm thick	4mm	LSSSM4M
	6mm	LSSSM6M
	8mm	LSSSM8M
Dual-sided .0115 in. .30mm thick	4mm	LSDSM4M
	6mm	LSDSM6M
	8mm	LSDSM8M



Interproximal Diamond Disc

Designed for effective enamel reduction, shaping and interproximal stripping - Available in double or single-sided diamond coating

- Flexible Discs
- Single or Double-Sided
- 7/8" Diameter
- Fine, Durable Diamond Coating
- Pre-mounted or Packs of 5
- Disc Thickness:
Single-Sided - .0083 in. or .21mm
Double-Sided - .0115 in. or .30mm



Mounted on mandrel: (Sold individually)

Double-Sided	DISCDSM
Single-Sided (safety side up)	DISCSSUM
Single-Sided (safety side down)	DISCSSDM
Pack of 5 w/o mandrel:	
Double-Sided	DISCDS
Single-Sided	DISCSS
Mandrel (pkg. of 5)	DISCMAN



Diamond Disc Safety Guard

Protects patients lips and gums from spinning disc during interproximal stripping.

- Fits all 7/8th diamond discs
- For use on doriot style handpieces
- Protects patients mouth from spinning diamond disc
- Gives you peace of mind by providing safety to your patients

Diamond Disc Safety Guard **DISCGD**

(Not compatible with high-speed handpieces.)

Reliance® Burs and Points

CE 0473

ADHESIVE REMOVAL AND FINISHING

BURS: 118S, 118L, 218

The **118S** is a special 18 fluted bur design for controlled removal of bulk bonding adhesive.

Order Code: **RSB**

Bur 118S



The **118L** is a longer shank version with the same excellent adhesive removal properties.

Order Code: **RSBL**

Bur 118L



The **218** bur is an 18 fluted design that is tapered to reach into those tight areas along the gingiva and occlusal when removing residual adhesive. The wide flutes self clean.

Order Code: **RSB2**

Bur 218



(SOLD INDIVIDUALLY)

Points 383

383 Points will remove small residual amounts of adhesive from the tooth surface and will polish the enamel without damage. The rubberized tapered shapes facilitate removal of adhesive close to the gingiva. Available in Straight Handpiece, Latch or Friction Grip - Each pack contains 12 points - Please specify

POINTS 383 - Straight Handpiece (RSPHP), Latch (RSPL), Friction Grip (RSPFG)



Straight Handpiece

Order Information

(12 per pkg.)

RSPHP

Latch

Order Information

(12 per pkg.)

RSPL

Friction Grip

Order Information

(12 per pkg.)

RSPFG

Diamond Bur 129

A medium abrasion diamond bur recommended for roughening and preparing plastic, composite restorations and metal surfaces - An excellent quality medium diamond bur at a down to earth price



Diamond Bur 129

Order Information

Sold individually

DB

High-Quality G&H® Pliers & Cutters



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Toll-Free - US/Canada: 800-526-1026
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Fax

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Email

ghmail@ghwire.com



Website

www.ghwire.com



Cutter Features

- Diamond-honed cutting edges
- Tool steel inserts
- Hard chrome finish
- Balanced assembly



Plier Features

- Precision "tough" serrations
- Contoured edges are "lip safe"
- Corrosion-resistant stainless steel with brilliant finish
- Extended "sure-grip" handles (most models are available with short handles)
- Balanced assembly

Plier Warranty and Repair

Our pliers are warranted for one year against defects in materials and workmanship. Should warranty work, repairs or sharpening be required – please send plier to:

Precision Plier Service, Inc.

14175 Telephone Avenue Suite D
Chino, CA 91710-5672
1.800.229.9060 • 909.590.2085 • Fax 909.590.8604
Email: service@pps5star.com

Note: OSHA regulations and State Health laws mandate that all returned instruments be cleaned and heat sterilized prior to shipping.

G&H® Pliers CUTTING ☺



Hard Wire Cutter

(Chrome) This hard wire cutter features diamond honed edges and a 15° cutting angle and allows cutting round wire up to .020".

Chrome plated stainless steel

Order Code: **ODG1000HWC**



Pin and Ligature Cutter

This cutter is a standard pin cutter, non-angled, designed to cut soft wires. The cutting capacity is soft wire up to .015" in diameter. (No rectangular wire)

Manufactured with chrome plating

Order Code: **ODG1001**



Distal End Cutter

Safety plier makes flush cuts on hard wires then "safety holds" the loose ends. The carbide cutting tips flush cut hard round wire up to .020 and .022 x .028 rectangular.

Order Code: **ODG1016**



Wire Cutter

This hard wire cutter with carbide tips allows round wire cutting up to .020" and rectangular up to .022" x .028".

Order Code: **ODG7001**



Miniature Pin and Ligature Cutter

This cutter features finer tips for easy access into difficult areas and is very popular with chairside assistants. The cutting capacity is soft wire up to .015" diameter. (No rectangular wire)

Order Code: **ODG1002**



Small Distal End Cutter

(Safety Hold) This cutter is a safety plier with a small head. It also flush cuts hard wires then "safety holds" the loose ends. The carbide cutting tips flush cut up to .020 round and .018 x .025 rectangular.

Order Code: **ODG1016S**



Hard Wire Cutter

(Black) This cutter is specially designed for cutting hard wires. The cutting angle is 15° and the cutting edges have been diamond honed to allow hard wire cutting. The Hard Wire Cutter is stainless steel with black oxide plating. The cutting capacity is hard wire up to .020" round.

(No rectangular wire)

Order Code: **ODG1000HWB**



15° Pin and Fine Wire Cutter

This cutter features a tip angled 15° for better field vision. The tool steel inserted tips have backing ledges for greater strength. The cutting capacity is hard and soft wire up to .015" in diameter. (No rectangular wire)

Order Code: **ODG1000**



Long Handled Distal End Cutter

(Safety Hold) This cutter offers a compact head that provides the "safety hold" feature but has long handles for easy work on distal wires. The carbide cutting tips flush cut up to .020 round and .018 x .025 rectangular.

Includes .035 Allen wrench.

Order Code: **ODG1016L**



45° Pin and Ligature Cutter

This pin and ligature cutter features a convenient 45° angulation for easy access to the posterior area. The tips are very delicate. The cutting capacity is ligature wire up to .015" at the tip.

(No rectangular wire) Includes .035 Allen wrench.

Order Code: **ODG1006**



Micro-Miniature Light Wire Cutter

(Stop Screw) This cutter was designed as a miniature ligature cutter that will cut soft wires. This cutter has a factory-adjusted stop screw that prevents tip damage due to overstressing the cutter during operation. The cutting capacity is soft wire up to .012" in diameter. Includes .035 Allen wrench.

Order Code: **ODG1021**



Micro-Miniature Light Wire Cutter

This cutter has very sharp pointed tips that have been diamond honed to cut at the very point of the plier. It has tool steel inserted tips. The cutting capacity is soft ligature wire up to .012" in diameter.

Order Code: **ODG1003**

G&H® Pliers WIRE FORMING



G&H® V-Bend Plier

This plier allows efficient and accurate placement of symmetrical V-notch stops in archwires. Compatible with most alloys, the carbide inserted tips assure longevity and consistency. Excellent for creating mid-line dimples or stops quickly and accurately. Steep "V" wall prevents migration into arch slot that would cause undesirable tipping.

Order Code: **VBNDPLR**



Bird Beak Plier

This instrument is an extremely popular and versatile utility plier designed for working round wire up to .045" in diameter. This plier can be used for facebow adjustment. The round beak is exactly .025" wide at the tip with a 9° angle ground on the sides to allow for wire spring-back. Beaks are parallel at .020" opening and working edges are beveled and diamond-honed to prevent scoring.

Order Code: **ODG139**



Rectangular Arch Forming Plier

(Short Tips) This plier handles square or rectangular wires. The beaks are designed to be parallel at .020" plier opening and features edges that are beveled with a diamond hone to prevent scoring.

Order Code: **ODG810S**



Special Use Plier

Surgical Hook Crimping Plier

This plier is designed to crimp auxiliary stops, hooks and posts. Three-point contact tips insure a secure crimp.

Order Code: **ODG633**



Special Use Plier

Stop Crimping Plier

This plier is designed to crimp stops, hooks, posts and most sleeves. This plier has a wider crimping base than ODG633.

(Recommended for crimping pre-stopped NiTi wires)

Order Code: **ODG633M**



Wire Contouring Plier

This plier contours and forms arches smoothly, even Coloboly™ and Nickel Titanium, without scoring or torquing.

Order Code: **ODG203B**



Light Wire Bird Beak Plier

This plier features longer and more gradually tapered beaks than the ODG139 or ODG140M. The instrument is designed for working round wire up to .016" in diameter, the longer beaks make it easier to bend small diameter loops. The cone beak is precision ground to .025" wide at the tip and a 9° angle is ground on the sides to allow for wire spring-back. Working edges are beveled and diamond-honed to prevent scoring.

Order Code: **ODG140**



Medium Bird Beak Plier

This plier has the same features as our ODG-139 but with longer tips.

Order Code: **ODG140M**



Nance Loop Forming Plier

Four steps (3, 4, 5, 6mm) allow precision loop forming. One beak is precision serrated to prevent wire slippage. Beveled edges prevent wire damage.

Order Code: **ODG230**



Lingual Arch-Forming Plier (Tweed)

This plier is designed to form double-back and triple-back bends in either .030" or .036" wire for inserting in lingual sheaths. The blade width of .014" was selected for consistent, perfect-fitting bends. The double-back forming groove is close to the plier joint to assure adequate flattening is accomplished.

Order Code: **ODG410**



Rectangular Arch Forming Plier (Tweed)

(Long Tips) This plier handles square or rectangular wire; same as plier ODG810S (above) but with longer tips. The beaks are designed to be parallel at .020" opening.

Order Code: **ODG810**



Loop Forming Plier

This plier is designed for making helical closing loops in square or rectangular wire up to .022" x .028". The cylindrical beak has three precision-ground sections of .045", .060", .075" diameters with a rough electro-etched finish to help prevent wire slippage. The concave beak has parallel serrations that orient and keep the wire at a right angle to the beaks while making a loop. Tweed style. .035 and .050 Allen wrench included.

Order Code: **ODG350***

*Tweed style replacement tip **ODG1400**

G&H® Pliers WIRE FORMING ☺ Continued



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ghmail@ghwire.com



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www.ghwire.com



Rose Torquing Plier

This plier is designed to place torque in a specific section of the archwire (single tooth control) without distorting the remainder of the wire. The key is designed to torque the section between holding beaks without extending past the contact points of the beaks and will engage easily without transfer of torque to adjacent teeth. Works with all wires.

Order Code: **ODG805W** (Includes Plier and .018" - .022" Key)
.018" - .022" (wide) Key only **ODG1822W**



Rose Torquing Plier Key



Intra-Oral Detailing Pliers (Step-Bend)

This instrument allows first and second order bends intra-orally without removing the entire archwire. The plier has a universal step-up and step-down. .030" offset.

Order Code: **ODG104U**

NiTi Cinch-Back Plier

The NiTi Cinch-Back Plier is designed to place permanent offset bends in Nickel Titanium Archwires. The unique design provides access for cinch-back bends to wires distal to the buccal tubes on either side of the arch. 1st and 2nd order bends can also be made as desired anywhere on the archwire.

Order Code: **GH047**



G&H® Pliers UTILITY ☺



Utility Plier (Weingart)

This plier has pointed, serrated pads that are designed to be near the center of plier rotations for better balance. Matching serrated pads hold wire firmly at a convenient working angle. Rounded beaks offer lip safety. Weingart style

Order Code: **ODG158**



Straight Utility Plier (HOW)

(Large Tips) This plier has the same features as the small tipped plier (ODG110) but with 1/8" diameter tips. HOW style

Order Code: **ODG110B**



Straight Utility Plier (HOW)

(Small Tips) This is a general utility plier with a long, well-tapered shape that is balanced for control. The 3/32" diameter tips are designed so that their center line coincides with the axis of rotation of the plier. The matched tips are serrated in a direction that holds the wire at a convenient angle. HOW style

Order Code: **ODG110**



Utility Plier (Weingart)

(Slim Tips) This plier is the same as ODG158 but with slimmer tips. The curved design makes for easier access to difficult areas with rounded beaks for lip safety. Weingart style

Order Code: **ODG158BJ**



Three-Jaw Plier

(Straight) This plier has precision-aligned tips to ensure consistent bends. It is gradually tapered for delicate bending and features diamond honed edges. This plier is recommended for use with wire size up to .036".

Order Code: **ODG200**

G&H® Pliers DEBANDING/DEBONDING ☺



Posterior Band Remover

(Long) When the 3/16" padded tip is on the occlusal of the molar cusp, the shortened, non-padded remover tip is in a more ideal position to catch the edge of the band for upward or downward removal.

Order Code: **ODG347L**



Posterior Band Remover

(Short) This instrument is the same as above but with shorter remover tip. When the 3/16" padded tip is on the occlusal of the molar cusp, the shortened, non-padded remover tip is in a more ideal position to catch the edge of the band for upward or downward removal.

Order Code: **ODG347**



Direct Bond Attachment Remover

(Angled) The Direct Bond Attachment Remover may be used mesial-distal (horizontal) or incisal-gingival (vertical) in anterior area. This instrument is angled perfectly for easy access to difficult posterior areas.

Includes .035 Allen wrench.

Order Code: **ODG344**

G&H® Pliers DEBANDING/DEBONDING ☞ Continued



Direct Bond Bracket Remover

(Wide) has wide remover tips that wedge between both edges of the base of the bracket with virtually no stress. The removers grip firmly for easy incisal-gingival (vertical) use. When bracket position is too close to gingival, the plier may be used mesial-distal (horizontally) with the same ease. Includes .035 Allen wrench.

Order Code: **ODG346**



Direct Bond Bracket Remover

(Wide with Replaceable Tip) is specifically designed for quick removal of direct bond brackets. The wide remover tips wedge between both edges of the bracket base with virtually no stress. The removers grip firmly for easy incisal-gingival (vertical) use. Tips are replaceable for easy service. We recommend replacing both tips at same time.

Order Code: **ODG346RT**

Replacement Tips (pair) ODG1405
(.035 and .050 Allen wrench included)



Direct Bond Bracket Remover

(Narrow with Replaceable Tip) Specifically designed for quick and comfortable removal of direct bond brackets. The narrow remover tips wedge between both edges of the base of the bracket with virtually no stress. The removers grip firmly for easy incisal-gingival (vertical) use. Tips are replaceable for fast, easy service. We recommend replacing both tips at the same time.

Order Code: **ODG345RT**

Replacement Tips (pair) - ODG1406
(.035 & .050 Allen wrench included)



Direct Bond Bracket Remover

(Wide with Pad) is designed for quick and comfortable removal of direct bonded attachments. The sharp beak fits under the attachment flange and removes attachments with ease. It will also remove adhesive remaining on the tooth. Pads are suitable for high heat sterilization.

Order Code: **ODG349**



Direct Bond Bracket Remover

(Narrow with Replaceable Tip with Pad) The same quality features as ODG348 except that one tip has a replaceable pad. The sharp beak fits under the attachment flange and removes attachments with ease. It will also remove adhesive remaining on the tooth. Pads are suitable for high heat sterilization.

Order Code: **ODG348RT**

Replacement Tips (pair) ODG1407



Direct Bond Bracket Remover

(Narrow with pad) is designed for quick and comfortable removal of direct bonded attachments. The sharp beak fits under the attachment flange and removes attachments with ease. It will also remove adhesive remaining on the tooth. Pads are suitable for high heat sterilization.

Order Code: **ODG348**

Replacement Pads

are available in 1/4" or 3/16" (circumference of pad) - 3/16" is supplied with plier
3/16" **ODG2076**
1/4" **ODG2077**

Sterilizing Orthodontic Pliers

Clean instruments thoroughly, rinse and dry before sterilizing. After sterilizing, lubricate very sparingly. One drop or a light spray is sufficient. Wipe off excess lubricant.

Always lubricate after sterilization, because lubricants, waxes, and "sticky joint" remedies vaporize inside sterilization equipment and will saturate all other items placed in the chamber. Over-use of lubricants or "sticky joint" treatments is the major cause of staining or discoloration of instruments. Brown or yellow stains generally can be removed by scrubbing with Type A steel wool saturated with isopropyl alcohol.

Our wire forming and cutting instruments have been tested and found to be resistant to corrosion when sterilized using the following methods:

AUTOCLAVE

1. Air and towel dry instruments.
2. Instruments may be bagged prior to sterilization.
3. Place instruments on autoclave tray with jaws open. Proceed following manufacturer's recommendations.
4. Remove instruments promptly after cycle is complete to avoid possible signs of corrosion.
5. When cooled, lubricate instruments sparingly.

CHEMCLAVE

1. Air and towel dry instruments.
2. Instruments may be bagged prior to sterilization.
3. Place instruments on paper towels. Do not process for longer than 20 minutes. Make sure that chemical additives are in correct proportions.
4. When cooled, lubricate instruments sparingly.
5. Remove instruments promptly after cycle is complete to avoid possible signs of corrosion.

DRY HEAT

1. Air and towel dry instruments—especially joints.
2. Place on trays, sheets or racks for recommended cycle, from 6 to 30 minutes (follow equipment manufacturer's instructions).
3. Once cooled, lubricate instruments sparingly.

ULTRASONIC CLEANING

Ultrasonic cleaning of cutting pliers is not recommended—solutions combined with vibrations are very caustic and could dull or damage cutters.

1. If ultrasonic cleaning is chosen, follow equipment manufacturer's recommended immersion schedule.
2. Rinse instruments with high-volume water before sterilizing.
3. Air and towel dry instruments before sterilizing.

COLD STERILIZATION

(2% Glutaraldehyde)

1. Dry joints thoroughly—air and towel dry.
2. Totally immerse instruments in solution. Sterilization requires 10-hour immersion.
3. Remove instruments from solution and rinse in sterile water. Air dry joints to remove all moisture.
4. Prolonged immersion is not recommended, especially for cutters.
5. Lubricate sparingly.

Instrument Storage Rack on page 90

Hammacher

Premium Instruments 

Since 1922, Hammacher has created the best instruments in their Solingen, Germany facility. The resulting instruments are unsurpassed, and this superiority is evident in their look and feel, and unquestionably in their performance. G&H® selected the best of the best and presents these proudly to our customers. All Hammacher pliers offer the best guarantee in the industry.

LIMITED WARRANTY

We guarantee complete satisfaction. At no cost to our customers, we will repair or replace any insert that separates from the instrument within three years of purchase. Any misuse, improper sterilization or neglect, voids all warranties.

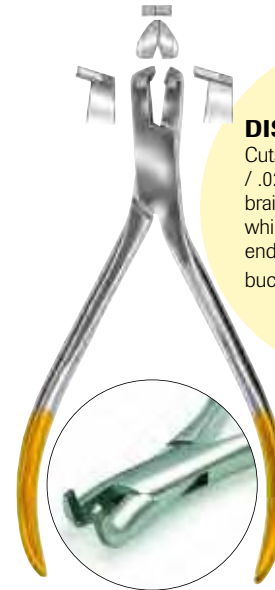
Carbide Inserted Pliers:

We offer a Three Year Guarantee on Carbide Inserts being free of corrosion and separating from the instrument. We will sharpen any carbide inserted cutters that dull and reinsert any carbide pliers that break under normal usage for three years.


Tungsten carbide inserts make the difference:

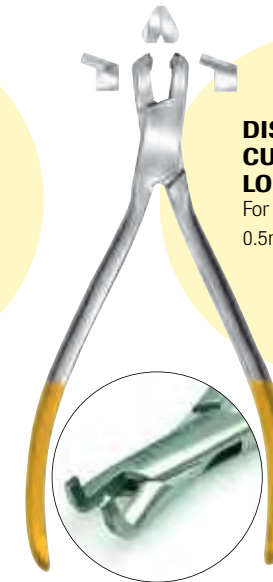
- 1). Superior edge strength promoting longer life on all cutting instruments
- 2). Hardness and durability increases life on serrations and grooves of utility, specialty and wire bending instruments
- 3). Tungsten carbide is non-ferrous which makes it rust and corrosion-free
- 4). Our testings have shown Hammacher's ORTHO LINE carbide cutter can outlast ten times more than any other cutters.
- 5). With proper care and sterilization you will have a lifetime instrument.
- 6). Three Year Warranty on insert separating from the forging and the insert being free of rust and corrosion
- 7). Three Year Warranty against any manufacturer's defect - We will sharpen or replace any insert that dulls or breaks under proper use and sterilization.
- 8). Cost effective - Save time and money on inserts that do not need sharpening for years.

Our new Premium Select line of Hammacher Instruments represents some of the finest hand-fabricated orthodontic pliers available.




DISTAL END CUTTER

Cuts archwires up to 0.64mm / .025" and multi-strand braided wire without fraying while securely holding distal end. Cuts within 1/2mm of the buccal tube. 
HSL3311-11




DISTAL END CUTTERS, WITH LONG HANDLES

For hard wire from 0.5mm / .020" max. 
HSL3315-14



LIGATURE CUTTER

Small head size is 15° angled to allow for better visibility and easy access. It cuts all soft wire, elastics and pins. For hard wire from 0.5mm / .020" max. and soft wire from 0.7mm / .028" max. 
HSL2832-12



HARD WIRE CUTTER

Cuts heavier wires in the posterior with more ease and visibility. This heavy duty cutter is 15° angled for easier intra-oral access to the posterior area. When removing axillary attachments this cutter is a must. Cuts hard wires, square, rectangular, round and braided wires up to 0.56mm x 0.71mm / .022" x .028". 
HSL2842-13



Phone

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Website

www.ghwire.com

Hammacher Premium Instruments Cont.

Maintenance of Instruments:

Although G&H® Hammacher instruments are manufactured of the highest quality stainless steel, which is worked carefully by skilled and experienced technicians, a conscientious maintenance of instruments is particularly important. In order to guarantee a long lifetime to all instruments we recommend:

- 1). New instruments should be cleaned, dried and sterilized before the first use (ultrasonic cleaning, then autoclave or dry heat sterilization).
- 2). All instruments should be handled with care.
- 3). All instruments should be cleaned thoroughly immediately after use.
- 4). Use only disinfectants and cleaning solutions specifically formulated for use on instruments not longer than for 12 hours and at a temperature not exceeding 25° C.
- 5). Instruments with joints have to be opened before cleaning and disinfection.
- 6). Do not use wire brushes or abrasive cleaners.
- 7). Delicate instruments and mouth mirrors should be cleaned by hand. Do not use ultrasonic cleaning machines.
- 8). When using ultrasonic machines the instruments should be firmly fixed in the tray.
- 9). Carbon steel, and nickel or chromed plated instruments, should not be cleaned or sterilized together with stainless steel instruments, as this could cause corrosion.
- 10). When using ultrasonic cleaners follow the manufacturer's instructions carefully. Too strong solutions or immersions for long periods can cause corrosion.
- 11). After cleaning, wash instruments carefully in clean preferably distilled or demineralized water. Dry the instruments thoroughly and check cleanness and function.
- 12). Dry instruments before sterilizing in dry heat or autoclave.
- 13). When using any chemicals for cleaning or sterilization the manufacturer's instructions must be followed.



TWEED ARCH PLIER

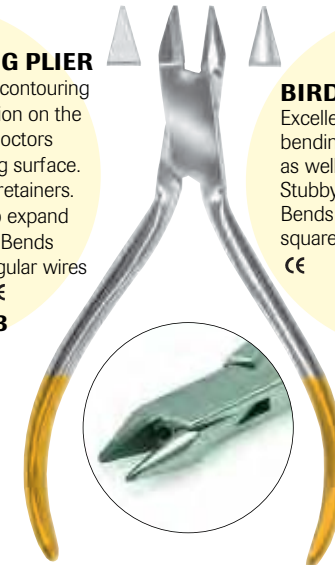
Shorter jaws give added control and grip - Excellent for detailing an archwire or placing offset bends - Bends round, square and rectangular wires up to 0.56mm x 0.7mm, .020" x .028"

CE

HSL4453-13

ARCH CONTOURING PLIER

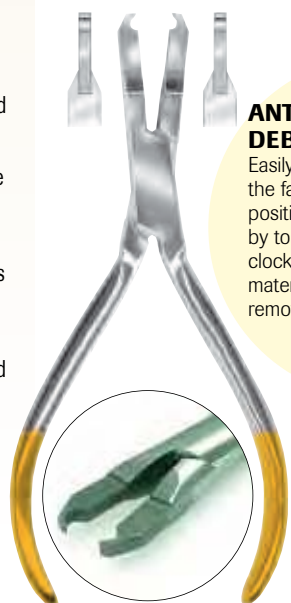
Non-grooved pliers allow contouring the archwires at any position on the instrument. It's good for doctors who like a smooth working surface. It can be used for lingual retainers. Hawley bows, or simply to expand or constrict an archwire - Bends round, square and rectangular wires up to 0.56mm / .020" CE

HSL4292-13

BIRD BEAK PLIER

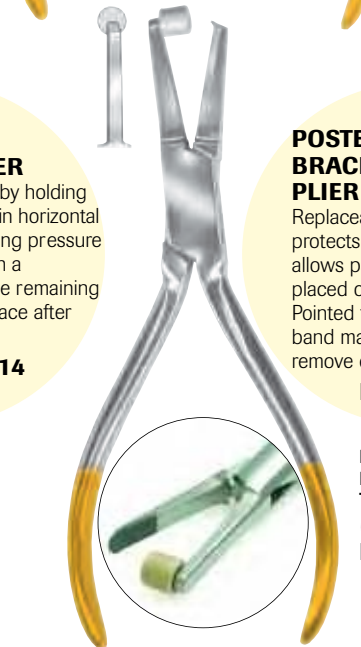
Excellent for all types of wire bending - Useful for orthodontists as well as laboratory techniques - Stubby beaks - round on square - Bends round, rectangular and square wires up to 0.76mm / .030"

CE

HSL4011-13

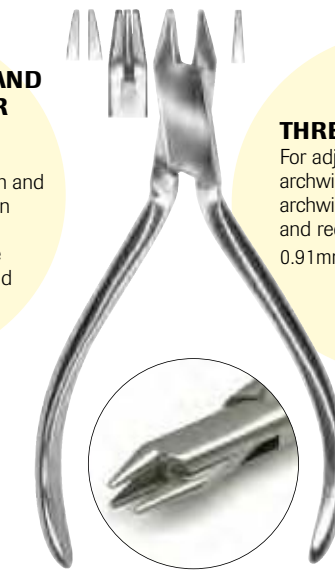
ANTERIOR DEBONDING PLIER

Easily pop-off brackets by holding the face of the bracket in horizontal position - Slightly applying pressure by torquing or turning in a clockwise motion - Scale remaining material from tooth surface after removal CE

HSL2225-14

POSTERIOR BAND AND BRACKET REMOVER PLIER

Replaceable dry heat tip protects the tooth occlusion and allows patient comfort when placed on tooth occlusal - Pointed tip slides under the band material to release and remove easily CE

HSL2221-14**PLASTIC REPLACEMENT TIPS**
(Each)
HSL2225-99

THREE BEAK PLIER

For adjusting clasps and archwires without marring the archwire - For round, square and rectangular wires up to 0.91mm / .036" CE

HSL4231-13

G&H®
Clinical Supplies

www.ghwire.com



For the Patient



Butler Gum® Eez Thru®
Floss Threaders

The #1 Floss Threader in U.S.! Helps thread floss under bridges, orthodontic appliances, implants and between connected crowns. 5 threaders/envelope, 100 envelopes/box.

Ea./Pkg. Ref: **840P**

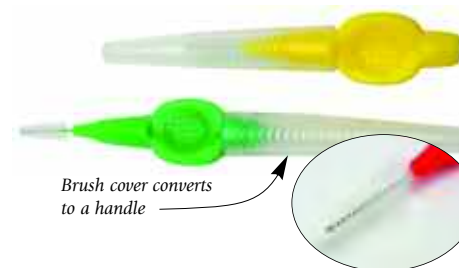


Waterpik®
Power Flosser

Clinically proven as effective and easier to use than manual floss.

Replaceable AA battery included

Ea. Ref: **FLA-220**



Brush cover converts to a handle

Travel Head
Interproximal Brush

This travel interproximal brush is the perfect hygiene tool for patients on the go. The clear cover conveniently converts into a handle, and the brushes are packaged in an assortment of colors. Colors include black, blue, red, purple, green and yellow. 100 brushes.

2mm - 3 mm 100/Pkg. Ref: **2500**

2mm - 4 mm 100/Pkg. Ref: **2600**

3mm - 7 mm 100/Pkg. Ref: **2650**

CLINICAL SUPPLIES

Archwire Marking
 Pencils
 Lip Protectors
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IMPRESSION TRAYS

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RETAINER CASES 83



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 317-346-6655



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Website

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G&H® Retainer Cases

These are the finest retainer cases specially designed by G&H® Wire to be patient friendly & functional.



- **Unique Design**
- **One-Piece Vented Construction**
- **One-Handed Easy Release**



Secure locking mechanism keeps the case closed while a one-handed, easy-open release is featured. Varieties of colors give patients a wide choice.



Assorted Color Pack of 50 –

Available in neon assorted pack with orange, yellow, purple, pink, and turquoise, or basic assorted pack of silver, black, dark green, dark red, and dark blue.

Order Information:
50/pack
Neon assorted **RET050**
Basic assorted **RET150**

Single Color Packs of 50 –

All colors are available in packs of 50.

Order Information:
50/pack

- | | |
|------------|--------------|
| Black | RETBK |
| Pink | RETPK |
| Royal Blue | RETRB |
| Silver | RETSV |
| Green | RETGR |
| Orange | RETOR |
| Purple | RETPP |
| Red | RETRD |
| Turquoise | RETTQ |
| Yellow | RETYW |
| Clear | RETCL |

Patient Friendly Design

- Easy-Open – One-hand release
- Sleek Design – Goes anywhere
- 10 Different Colors, plus Clear – Patient choice
- Vented Air Holes – Retainers stay fresh

Quality Construction

- Heavy Gauge Plastic – Durable
- One-Piece Construction – Sturdy & Unbreakable
- Everlasting Hinge Design – Long Life
- Stays Closed – Positive Lock-Tight Latch
- Right Size – Big enough for appliance, small enough to fit in pocket or purse

Order Options

- Wide Selection – 10 colors, plus Clear to choose from
- 5 Neon Colors – Purple, Orange, Turquoise, Pink, Yellow
- 5 Basic Colors – Green, Blue, Red, Black, Silver
- Multi-Color Packs – Neon or Basic
- Single-Color Packs – Any color
- 50 Cases to a Pack – Single or Multi-color



Dimensions: 1" deep, 3 1/2" wide, 2 3/4" front to back

Cordless Sonic Cleaner

- Gets appliances, including retainers, sparkling clean in 5-10 minutes
- When used with Retainer Brite® Tablets, it becomes **THE** appliance cleaning system for every patient!
- Cleans deep – at 6,500 waves per second, and is a compact 3 1/2" x 4"
- Operates on two AA batteries (not included)
- Six-month replacement warranty included

Order Information:
Sold individually **SCL**

Note: Sonic Cleaner and Retainer Brite® are U.S. sales only.



Retainer Brite® Cleaning Tablets

Retainer Brite® cleaning tablets clean retainers – plus nightguards, mouthguards, splints and most other removable dental appliances.

- Helps remove plaque & tartar
- Kills germs & bacteria
- Cleans & brightens appliances

Order Information:
200 tablets total **RB-TP-8**





Phone

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Website

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G&H® PREMIUM SERIES Photographic Mirrors

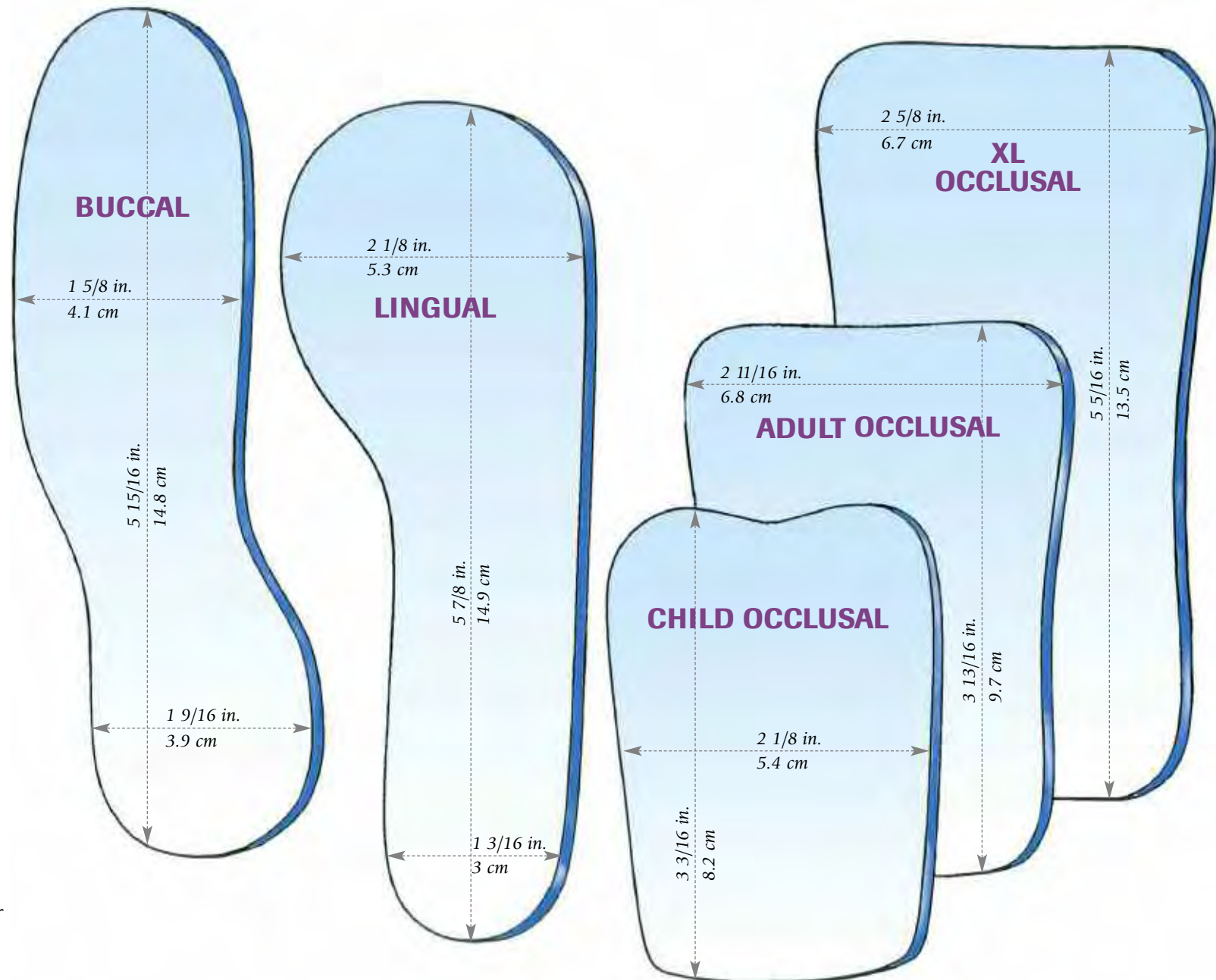
Mirror shapes shown here represent **Premium Glass Photographic Mirrors**. Other mirror series may vary in size and shape.

ILLUSTRATIONS ACTUAL SIZE

Cleaning and Sterilization

Recommendations for Photographic Mirrors

- Gently wash mirrors with mild hand soap using alcohol to remove greasy substances such as lipstick
- Dry the mirror with a soft cloth lightly then air dry until all moisture has evaporated
- Any spots left on mirror will not come off after heat or autoclave sterilization. If the mirror can not be cleaned right away keep it wet or covered with a wet towel
- Never place a mirror into an ultrasonic unit
- Keep the mirror out of contact with all other instruments. Wrap the mirror into a microfiber cloth or paper towel and place it in the sterilizing pouch. The wrapping will absorb any steam that builds up on the mirror inside the pouch
- Follow the sterilization recommendations as provided by the manufacturer of your sterilizer

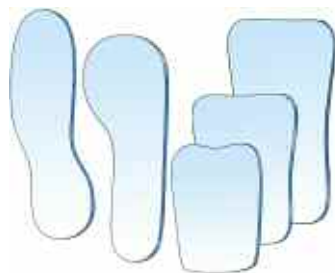


G&H® Premium Series Photographic Mirrors

G&H® Premium Glass Photographic Mirrors

Unsurpassed in quality our photographic mirrors offer the finest possible color and image transfer. Manufactured of 3mm float glass for distortion-free surface and double-side coated with chromium for maximum reflective qualities, our mirrors are the finest of their kind. They are compatible with autoclave sterilization.

Our optional SureGrip™ handle allows precise positioning and unobstructed views during photography. ☺



Order Information: Premium Glass Mirrors

Sold individually or as a set

Extra Large Occlusal	PRMRXL
Adult Occlusal	PRMRAD
Child Occlusal	PRMRCH
Lingual	PRMRLG
Buccal	PRMRBC

G&H® Stainless Steel Photographic Mirrors

Our stainless steel mirrors offer the ultimate in durability. Highly polished stainless steel surfaces cannot chip, crack or peel. Double sided for maximum life, the mirrors have polished, rounded edges for patient comfort and are compatible with autoclave sterilization. Note: Sizes and shapes may vary slightly from illustrations on previous page. ☺

Order Information: Stainless Steel Mirrors

Sold individually or as a set

Occlusal	SSMROC
Buccal	SSMRBC
Lingual	SSMRLG

Set of Three

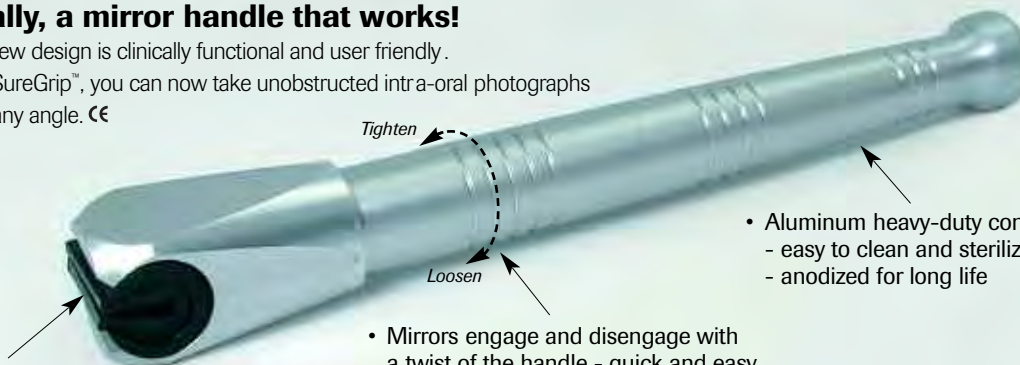
Set includes one of each: Occlusal, Buccal, Lingual

Order Code: **SSMRKT3**

SUREGrip™ Universal Photographic Mirror Handle

Finally, a mirror handle that works!

This new design is clinically functional and user friendly. With SureGrip™, you can now take unobstructed intra-oral photographs from any angle. ☺



• **Silicone Insert**

- Mirror locks positively in handle - will not slip
- Rotates to desired angle
- Permanently attached to head unit
- Fully autoclavable

- Aluminum heavy-duty construction
 - easy to clean and sterilize
 - anodized for long life
- Mirrors engage and disengage with a twist of the handle - quick and easy

Fits most photographic mirrors

- One design fits Premium Glass Mirrors (3mm thick)
- One design fits Stainless Steel Mirrors (1mm thick)

Order Information:

Sold individually - Handle length: 4.5"

SureGrip™ For Premium Glass Mirrors	SGPR
SureGrip™ For Stainless Steel Mirrors	SGSS

Components:

Premium Glass Mirror Head Unit	SGPRH
Stainless Steel Mirror Head Unit	SGSSH
Handle Only - (Fits either Head)	SGH



Cold sterilization and dry heat sterilization not recommended



• **Fully adjustable**

- mirror can be positioned and held at any angle

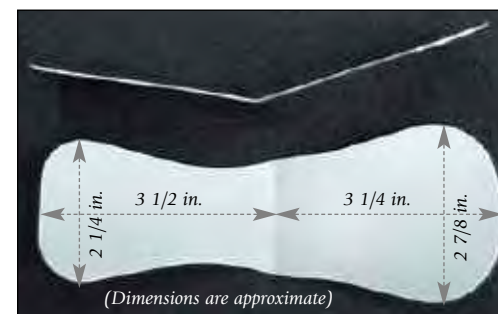
G&H® Stainless Steel Angled Occlusal Photographic Mirror

Our angled occlusal mirror is double-ended to accommodate both small and large patients. The mirror is angled approximately 15° to allow patient or operator to hold and keep hand out of camera view. Polished on both sides ☺

Order Information:

Sold individually

SSMROCANG



**CHEEK
RETRACTORS
ON PAGE 64**



Phone

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G&H® Disposable Impression Tray Sizes – Upper arch disposable impression trays shown actual size.



Size 1



Size 2



Size 3



Size 4

Disposable trays save time and money compared to metal trays.



Lower trays correspond to the uppers in size and color.

Colors may vary slightly from illustration.



Size 5



Size 6

G&H® Disposable Impression Trays

G&H® Disposable Impression Trays are rigid color-coded anatomical plastic trays with perforation strips that offer economical use and disposability. Long handles provide sure grip while retention slots secure alginate without need for adhesives. They are available in Size 1 (smallest) through Size 6 (largest); size is imprinted on handle. Fifty of one size, upper or lower, per bag €



Disposable Impression Trays - Bags of 50 Any single color

Order Information:

	SIZE	COLOR	UPPER	LOWER
Smallest	1	Red	DITU01	DITL01
	2	Orange	DITU02	DITL02
	3	Blue	DITU03	DITL03
	4	Green	DITU04	DITL04
	5	Yellow	DITU05	DITL05
Largest	6	Purple	DITU06	DITL06

Bag of 50

Try all sizes!
Trial Pack 60 60 Disposable Impression Trays!

Order Information:

6 sizes - 5 trays of each size upper and lower
60 Tray Trial Pack - **DITAS**

Nobody Knows
Impression Trays Like
G&H®!



G&H® Stainless Steel Impression Trays

When a reusable style tray is preferred, G&H® Edge-Lok™ Impression Trays are designed to create consistently accurate and distortion free impressions. G&H® Edge-Lok™ trays are manufactured from highly polished stainless steel and feature a rolled edge for positive retention of alginate. Offered in perforated and non-perforated styles, Edge-Lok™ trays are designed with wide, easy-to-grip handles and come in a range of sizes to accommodate the smallest to the largest patient. They are compatible with ultrasonic, autoclave and dry heat sterilization methods. The highly polished surfaces ensure easy cleanup and years of dependable service. Sold individually €

Order Information:

G&H® Edge-Lok™ Stainless Steel Impression Trays

PERFORATED			
Size	UPPER	LOWER	
Extra Small (5)	TRAYXSU	TRAYXSL	
Small (4)	TRAYSU	TRAYSL	
Medium (3)	TRAYMU	TRAYML	
Large (2)	TRAYLU	TRAYLL	
Extra Large (1)	TRAYXLU	TRAYXLL	

NON-PERFORATED			
Size	UPPER	LOWER	
Extra Small (5)	TRAYXSUNP	TRAYXSLNP	
Small (4)	TRAYSUNP	TRAYSLNP	
Medium (3)	TRAYMUNP	TRAYMLNP	
Large (2)	TRAYLUNP	TRAYLLNP	
Extra Large (1)	TRAYXLUNP	TRAYXLLNP	



Non-perforated

Perforated

KromoPan® Alginate

KromoPan® has chromatic (color) indicators that tell you how long to spatulate (purple), when to load (pink) and when to insert it in the patient's mouth (white). Total elapsed time from start to finish is just over 1 minute. Impression can be kept over 100 hours without distortion or shrinkage by simply rinsing and enclosing in a plastic bag.



Flavors can be added to improve patient acceptance.

Order Information:

1lb. bag - sufficient for approximately 50 average impressions
KRM302

20lb. case **KRM302-20**

Alginate Flavors!

Make taking an impression more pleasant for the patient!



Works Great With KromoPan® Alginate!

Order Information:

Sold individually - 2 oz. bottles.

Banana	ALFLBN
Blueberry	ALFLBL
Bubblegum	ALFLBB
Cherry	ALFLCH
Cola	ALFLCO
Fruit Punch	ALFLFP
Grape	ALFLGR
Lemon	ALFLLM
Orange	ALFLOR
Peppermint	ALFLPP
Piña Colada	ALFLPC
Raspberry	ALFLRS
Root Beer	ALFLRB
Strawberry	ALFLST



G&H® Clinical Supplies



Phone

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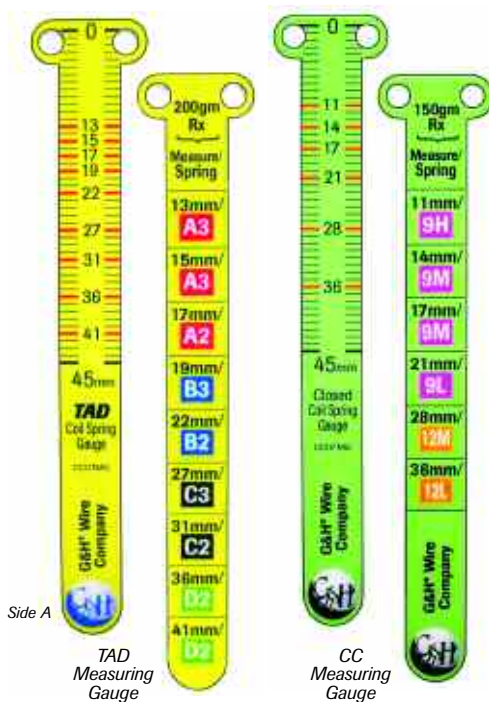
ghmail@ghwire.com



Website

www.ghwire.com

Rulers / Measuring Gauges



Exclusively from G&H®!

TAD and CC Spring Measuring Gauges

Determining the spring size and force values needed are made easy with our exclusive double-sided measuring gauges.

Landmark extensions are highlighted in red on side (A) and corresponding spring suggestions are on side (B).

The hole in the gauge represents a spring eyelet or ligature and can be engaged over a hook or TAD screw to accurately measure distance between anchor points.

Order Information:

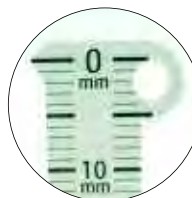
- CC Measuring Gauge**
Box of 20 **CCOFMG**
- TAD Measuring Gauge**
Box of 20 **CCOTMG**



Exclusively from G&H®!

MM Ruler

Our unique double-sided 60mm or 80mm rulers feature a hole to engage a post or hook making space measurement quick, easy and accurate!



Order Information:

- 60mm Ruler**
Box of 20 **RULERMG**
- 80mm Ruler**
Box of 20 **RULERMGG**

Digital Caliper

Precise measurements with easy-to-read digital display. Durable stainless steel construction. Metric/Inch change over (true conversion), Zero setting (zero setting at any position within the measuring range). Measures external and internal dimensions, depth, and steps. Comes fully assembled and ready to use - also includes (1) replacement battery, screw driver for battery access and instructions

Order Information:
DIGICALIP



Overbite Ruler

This aluminum ruler makes for easy measuring of overbite. Sold individually **CE**



Order Information:
Sold Individually
OP-11-00

G&H® Straight-Line™ Acetate Tracing Paper

Cephalometric and panoramic, matte-finish .003" acetate tracing paper offers excellent pencil adhesion and dimensional stability. The non-curling edges maintain flatness. A matte side accepts pencil or pen markings with excellent contrast clarity. 100 sheets per shrink wrapped tablet

Order Information:
8"x10" Tablet (100 sheets) **ATP100810**



Microbrush® Longer handles, improved bendability and thicker head for increased capacity for most any fluid to be delivered accurately and economically. **CE**

Order Information:

Pack contains 100 brushes each of four colors—400 brushes total

MBAS400



Microbrush® is a registered trademark of Microbrush

G&H® Clinical Supplies – Cont.



Brace Gard™ and Brace Relief™ Silicone Patient Packs

These silicone patient packs offer superior protection from contact irritation during orthodontic treatment. Silicone provides a smoother, more comfortable surface than wax, and will stay in place longer. €€

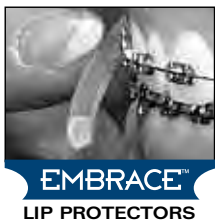
Order Information:

Brace Relief™ Silicone Patient Pack
Contains (4) 1 3/4" strips plus (1) 3 gram tube of pain-relieving gel - 36 Patient Packs per box **79DT**

Brace Gard™ Silicone Patient Pack
Contains (3) 1 3/4" strips per package - 80 per sleeve **79/6DP**

Not for export to Europe.

Brace Relief and Brace Gard are trademarks of Infa-Lab, Inc.



Embrace™ Lip Protectors

These flexible protectors fit over brackets and secure onto archwire to protect lip and cheek areas. Especially useful for musicians and others when lip irritation can be a problem. Not suitable for contact sports. €€

Order Information:

Clear in color - 10 per pack - Universal size **LPCL01**

Patient Wax



Patient Wax Packs

Our wax provides relief from most any source of contact irritation that occurs during orthodontic treatment. Specially formulated wax is designed to stay in place and not dry out during use. €€

Order Information:

Five 2" strips per package - 100 packages per box

Unscented **PWX536**
Cinnamon **PWX636**
Wintergreen **PWX736**

Utility Wax Strips

These wax strips are excellent for post-dam and peripheral lining impression trays. €€

Order Information:

75 per box - 3/16" x 11", white **UWX1164**

Bite Wax Sheets

These wax sheets are made of pure beeswax. They are strong, smooth and non-sticky for excellent bite registration. Scored to break apart easily. €€

Order Information:

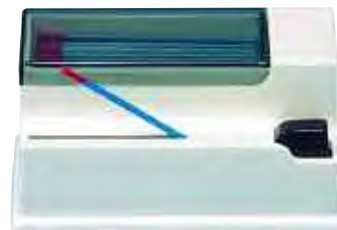
3" x 6" x .060" - One Pound Box **BWX021**

Disposable Archwire Marking Pencils

Made with high quality beeswax tip on disposable stick which ensures mark will stay in place. It is not water soluble like crayon-based markers. 100/pack. €€

Order Information:

100/pack.
Red-tip Pencils **AMP020**
White-tip Pencils **AMP020W**



Pop-Up Dispenser

Disposable Archwire Marking Pencils reduce the potential for cross contamination. Push-button action dispenses one pencil on demand. (color may vary)

Order Information:

Pop-up Dispenser ea. **AMD010**



Elastics Storage Key Rings

These attractive key rings conveniently store intraoral elastics. They are available in neon assorted pack with orange, yellow, purple, pink, and turquoise, or basic assorted pack of silver, black, dark green, dark red, and dark blue. Each key ring includes one elastic placement tool. €€

Order Information:

50/pack
Neon assorted **ESC050**
Basic assorted **ESC150**



Elastics Placement Tool

These handy instruments help patients simplify the positioning of elastics. The double-ended design features a hook for pulling and a notched end for pushing elastics and placing as prescribed. They are available in a neon assorted pack with orange, yellow, purple, pink, and turquoise, or a basic assorted pack of silver, black, dark green, dark red, and dark blue. €€

Order Information:

100/pack
Neon assorted **EPT100**
Basic assorted **EPT150**

G&H® Instructional Aids

Demonstration Models

These models are a must for patient and staff education. Manufactured from a durable and color stable polymer, our models will remain attractive for many years with minimal care. Use with or without included hinge.

Order Information:

Sold individually

Class I Ideal w/Hinge **DEMO10H**

*Class I Ideal with
attachable hinge.*



Zoo Animal Teaching Aids

Help create a relaxed atmosphere for teaching good oral hygiene to patients of all ages! Animals are fully flossible and equipped with removable tongue and Velcro® toothbrush strap. Puppets allow for animated movement and include a small reservoir to squirt water for added entertainment!

These plush animals are great for individual or group presentations. Approximately 15" seated, sold individually, one toothbrush is included with each animal.



*Zoo Animal selection
subject to change—
please call for availability.*



Mojo Monkey
PM901



Al E. Gator
PA400



Ollie Z. Mutt
PD700

G&H® Racks & Dispensers



G&H® Dispenser for Carton Elastics

Our Carton Dispenser holds up to four cartons of elastics. It is recommended for use with Enchanted Series Elastics (page 45), but is also compatible with any elastics carton measuring a maximum of 3 1/4" wide x 2 7/8" deep.

Order Information:

Measures 3" deep x 12 1/2" long x 10" high
Anodized aluminum
ELDS400



G&H® Elastomeric Chain Dispenser

The dispenser features a lid that encloses the spools to prevent inadvertent contamination. The chain dispenser also features slot openings so the chain can be easily dispensed from either side. A small portion of the chain remains exposed for easy access. Stores twelve spools

Order Information:

Measures 3" wide x 8 1/8" long x 3 1/8" high
Anodized Aluminum
CHDSA700



G&H® Archwire Dispenser

Our Archwire Dispenser organizes up to 12 sets of archwires neatly and efficiently. Manufactured of anodized aluminum, this rack can be thoroughly cleaned and sterilized as desired. Light weight and attractive, this dispenser will compliment any office décor.

Order Information:

Measures 3 3/4" wide x 7 7/8" long x 1 1/4" high
AWDSA100



G&H® Archwire Display/Storage Box

Durable laminated storage box is available for bulk wire packaging and Solo-Pack™ packaging. Includes 10 dividers with pre-printed or blank labels for easy wire identification and organization. Please specify preprinted or blank labels. Suitable for countertop display/storage.

*Either storage box may be oriented by width or length.
(Bulk wire storage box displayed)*

Order Information:

Bulk Wire Display Box
Measures 3 1/2" wide x 7" long x 2 7/8" high
AWSCSLD

Solo-Pack™ Display Box
Measures 4" wide x 12 1/8" long x 2 7/8" high
AWSCSOD



G&H® Plier Rack

Our Plier Rack neatly organizes most any orthodontic plier sets. Aluminum rods with plastic ends allow for easy wipe down. Holds approximately 20 instruments

Order Information:

Sold individually
PLRK020



Phone

Toll-Free - US/Canada:
800-526-1026

International/Toll:
317-346-6655



Fax

317-346-6663



Email

ghmail@ghwire.com



Website

www.ghwire.com



DATE _____ CUSTOMER NUMBER _____
 NAME _____
 ADDRESS _____
 CITY _____ PROV/STATE _____
 POSTAL/ZIP CODE _____
 PHONE _____
 FAX _____
 E-MAIL _____

PURCHASE ORDER NUMBER (if applicable) _____
CREDIT CARD INFORMATION
 Mastercard
 VISA
 CARD NUMBER _____
 EXPIRATION DATE _____
 AUTHORIZED SIGNATURE _____
SHIPPING INFORMATION*
 UPS **Express Mail** **COD**
 OTHER _____

G&H® Wire Company
 2165 Earlywood Drive
 Franklin, Indiana 46131 U.S.A.
 TOLL-FREE 800-526-1026
 (US/Canada)
 PHONE 317-346-6655
 (International/Toll)
 FAX 317-346-6663
 E-MAIL ghmail@ghwire.com
 WEBSITE www.ghwire.com

FOR OFFICE USE ONLY

Line #	PART NUMBER	DESCRIPTION	QUANTITY	UNIT PRICE	NET PRICE
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
ORDER TOTAL *					

*Shipping charges will be added to Order Total

Thank you for your order!



Phone
 Toll-Free - US/Canada: 800-526-1026

International/Toll: 317-346-6655



Fax
 317-346-6663



Email
 ghmail@ghwire.com



Website
 www.ghwire.com



G&H® Wire Company Molar Band Order Form

- Photocopy and Fax Order to G&H® 317-346-6663

Name: _____ Cust. No.: _____
 Phone Number: _____ Contact: _____
 Address: _____ City: _____
 State: _____ Zip: _____ Country: _____

First Band Order
(Requires sample weld approval)

Band Re-Order

Band Sample

Upper Band Order

- Intro Kit (100 Bands = 50R + 50L)
- Pro Kit (150 Bands = 75R + 75L)
- Master Kit (300 Bands = 150R + 150L)
- Individual Sizes - Quantities Below

Lower Band Order

- Intro Kit (100 Bands = 50R + 50L)
- Pro Kit (150 Bands = 75R + 75L)
- Master Kit (300 Bands = 150R + 150L)
- Individual Sizes - Quantities Below

Upper Attachments

Lower Attachments

Upper Right _____ Lower Right _____
 Upper Left _____ Lower Left _____
 Description _____ Description _____

 Lingual Attachment # _____ Lingual Attachment # _____
 Description: _____ Description: _____

Upper Right		Upper Left		Lower Right		Lower Left	
1	17	1	17	1	17	1	17
2	18	2	18	2	18	2	18
3	19	3	19	3	19	3	19
4	20	4	20	4	20	4	20
5	21	5	21	5	21	5	21
6	22	6	22	6	22	6	22
7	23	7	23	7	23	7	23
8	24	8	24	8	24	8	24
9	25	9	25	9	25	9	25
10	26	10	26	10	26	10	26
11	27	11	27	11	27	11	27
12	28	12	28	12	28	12	28
13	29	13	29	13	29	13	29
14	30	14	30	14	30	14	30
15	31	15	31	15	31	15	31
16	32	16	32	16	32	16	32

Authorized by: _____ (Signature) _____ Date: _____

Thank you for your order!

	Phone		Fax		Email		Website
Toll-Free - US/Canada: 800-526-1026		International/Toll: 317-346-6655		ghmail@ghwire.com		www.ghwire.com	

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