

Rocky Mountain Orthodontics® PRODUCT CATALOG



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COMPANYPROFILE

RMO HISTORY



companyprofile



Introduction

Since the 1930's, Rocky Mountain Orthodontics (RMO®), has made dramatic advances in the science of orthodontics, establishing itself as one of the leaders in a rapidly evolving field; a field that dramatically improves people's lives. Since its formal incorporation, RMO® has been known as a company of energy and ideas - traits that remain at the core of the company's philosophy today.

RMO® is much more than a business and model of excellence among Colorado corporations. The company is the oldest privately held orthodontic firm in the United States, and is a Denver institution whose company history is tightly linked with the history of Denver and orthodontics itself.

In the Beginning

Before the advent of stainless steel, and prior to the founding of RMO®, orthodontists had to be skilled craftsman as well as doctors. In fact, much of their time was spent devising, constructing, and maintaining their own oral appliances. Because those appliances were typically fabricated from gold alloy, which tended to loosen in a short period of time, a large part of an orthodontist's work was dedicated to repairing and adjusting the appliances after they had been put into use. The orthodontist's job demanded mechanical skill, diligence, and even artistry. And yes, for all of the effort involved, the occupation was often less than rewarding. Even the best orthodontic appliances of the day were woefully limited in their effectiveness.

All of that changed with the development of versatile stainless steel alloys coupled with the ingenuity and foresight of RMO®'s founder, Dr. Archie Brusse, a pioneer Denver orthodontist. With a small but capable staff, and with help from an executive at the American Steel and Wire Company, RMO® set about developing the first set of prefabricated orthodontic appliance system options; using stainless steel as the major component versus gold. After much clinical research and experimentation, the first system of appliances was unveiled in 1933 at the annual meeting of the American Association of Orthodontists, in Oklahoma City, OK. Reception was limited, and most recognized leaders of that time felt the appliances would not work.

In time, the impact of these prefabricated devices on the world of orthodontics was dramatic. Simply put, they changed the face of dentistry. The wide variety of appliance shapes and sizes supplied by RMO® enabled orthodontists to treat a diverse array of patients more effectively.

RMO® can be proud of the loyalty and the efforts of the employees and the local commercial suppliers who have helped it succeed and advance during the company's history. RMO® is, by all measures, an international standard, poised to build upon its legacy of excellence for decades to come. Dr. Archie Brusse was an early adherent to the synergistic approach to orthodontic appliances and treatment options.

companyprofile



Dr. Archie Brusse

In 1949 Archie's son, Martin, officially joined RMO. Archie expected him to learn about the family business as well as the complexities of the orthodontic industry.

Martin had received the Bronze Star Metal as a member of the 10th Mountain Division in World War II. After the war, he attended Dartmouth University where he received his degree.

In his early years at RMO, Martin was influenced by his Uncle Walt, and other colleagues including: Jack Meehan, Bay Brunson, Sam Bulkley and Martin Hamilton.

With continued mentoring and encouragement from Uncle Walt, Martin joined him along with Dr. Brusse and RMO as the company entered the prosperity of the post-war boom. The decades that followed were host to RMO innovation and orthodontic breakthroughs that resulted in a significant global presence within and increasingly competitive industry. The legacy Dr. Archie Brusse handed down to Martin celebrated seventy-six years in business as a private company with strong performance at the time of Martin's passing.

Under Martin's leadership, RMO developed over 60 international dealerships around the world and has been awarded twice with the President's distinguished "E-Star Award for Exports" by the U.S. Secretary of Commerce For continued outstanding contributors to the Export Expansion Program of the United States of America.

Martin earned many good friends and business associates around the world, but he did not have offspring to mentor as his father before him.



Martin Brusse

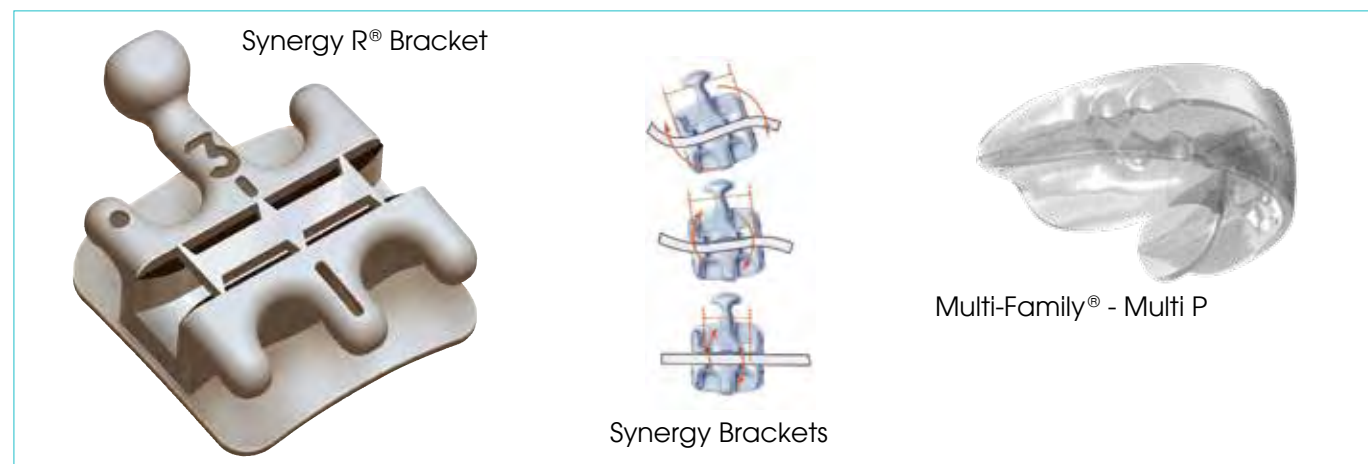
Over the years he quietly searched for the exceptional individual(s) he would someday entrust with the continuing the family legacy. Martin realized his goals in two very special and capable people he confidently selected to continue guiding RMO into the future: Tony Zakhem, CEO & Chairman and Jody Hardy, President.



Tony Zakhem, CEO & Chairman and Jody Hardy, President

companyprofile

companyprofile



The Products

RMO® has always enjoyed being an innovator and visionary in the orthodontic market, pushing the practice of orthodontics to new frontiers while consistently providing a benchmark of quality for other companies to follow. One example of RMO®'s visionary concepts begin over 60 years ago when RMO® introduced the "Snap Channel" bracket.

Self-ligating may seem like a recent technology when in fact RMO® introduced this idea over 60 years ago.

Synergy R® represents a modern day "Snap Channel" Bracket created using sophisticated software programming tools, MIM technology, and precise engineering. This is only one example of how RMO® has been consistently maximizing available technology and developing quality products for doctors and patients.

Currently RMO® serves all aspects of orthodontics. RMO® recognizes that all patients differ and that all orthodontists vary in education, experience, treatment approach, appliance performance, and final detailing. Since the needs of every doctor vary, RMO® is committed to developing practical Synergistic solutions.

Synergy develops when two or more interactive parts of a system produce an effect in which the power of the interactions of the whole become far greater than the sum of the parts. RMO®'s attention to synergies provides practices with a wide selection of dependable treatment options.

RMO® serves three broad categories of orthodontics:

Category 1- Diagnostics



Increasingly RMO® has emphasized the development of computer -aided diagnostic and treatment planning tools.

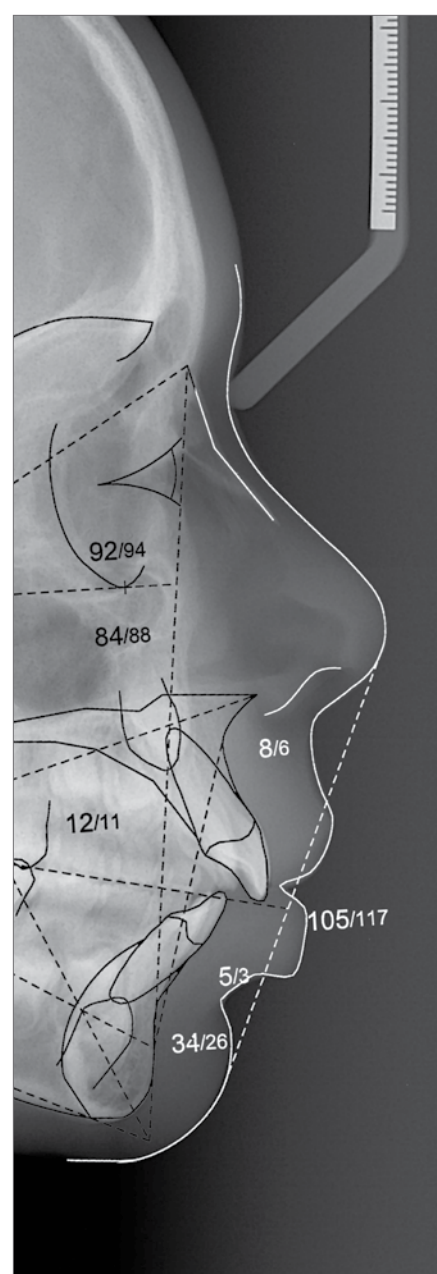
These information innovations have provided powerful analytic information that has helped doctors and their staff effectively treat each patient's individual growth and development. This results in improved outcomes, more predictable results, and less failure for patients.

Since 1969, RMO Data Services® (RMODS) has engaged in an ongoing program of progress through continuous research.

RMODS® is based upon case and research information derived from a worldwide orthodontic network consisting of practicing orthodontists, universities, and researchers. The information contains the latest scientific findings in the field of orthodontics. This information is used along with the doctors' personal treatment philosophy to form a complete detailed analysis of each patient prior and during treatment.

RMODS® has several new methods for sending and receiving diagnostic services:

1. allows the doctor to transmit their patients' records digitally and the complete diagnostic work-up sent electronically back to the doctor.



2. web allows the doctor to complete the tracing in his / her office and electronically submit the tracing to RMODS® for the final analysis.

Category 2- 1st Phase Orthodontic Treatment / Functional Education

RMO® has been actively involved in early treatment form the beginning, introducing devices such as: stainless steel crowns, Class II correction appliances, and the Nuk Orthodontic Pacifier. A close partnership was developed when CEO Martin Busse collaborated with Dr. Ricketts on his vision for the Bioprogressive philosophy in 1957, after the European Orthodontic Society (EOS) in Copenhagen, Denmark.

RMO® continues its commitment to 1st phase approaches, believing the majority of people favor early interception over more complex measures in later years. Over the years RMO® has introduced many 1st phase appliances including:

1. Wilson appliances – The Wilson® 3D® system comprises a series of interrelated fixed/removable intraoral modules that simplify and improve treatment. Wilson® 3D® appliances can be used to supplement all techniques while delivering practical and simple solutions to both typical and extraordinary movement challenges. RMO® sponsors numerous CE events that teach the skills needed to incorporate Wilson® 3D® concepts and materials into your present technique.

2. The Multi-Family™ System Appliances are myofunctional appliances that can be incorporated into your practice during all phases of orthodontic treatment. They are Functional Education™ Appliances used as early as 5 years old to reduce muscular forces in the mouth and promote proper alignment of the teeth; or as late as 13 years old, during fixed appliance treatment, to facilitate mandibular positioning. The Multi-Family™ System is versatile and functional for both doctors and patients.

Category 3- Fixed Appliances

Since the beginning, RMO® has designed innovative fixed appliance options for orthodontists. From creating of the first preformed band to pioneering and implementing Metal Injection Molding (MIM)

Technology for orthodontic use. RMO® has continued its drive for new technologies and new methods of manufacturing consistent, high quality Fixed Appliances. Today RMO® carries many different patented fixed appliance designs to capture all of the varying orthodontic treatment modalities from Brioprogressive to Straight Wire concepts and everything in-between.

RMO Europe

and a road map to its future

The year was 1962. Martin Hamilton, who began his career at Rocky Mountain in 1954, was regional manager of the company's activities in the Eastern United States. Recognizing the tremendous potential of a new emerging market, our president Martin Brusse asked Marty to establish a permanent European presence for Rocky Mountain Orthodontics to be headquartered in Paris.

At the outset Rocky Mountain products were distributed through Pyramid S.A., a prominent dental supply company headquartered in the French capital. After several years, it was decided that Rocky Mountain's ambitions in France and Europe would be best served within the framework of a subsidiary company. In 1967 Rocky Mountain France was established and took up residence at Rue Singer, 16°, Paris.

Martin worked tirelessly to promote Rocky Mountain Orthodontics. Not least of Martin's many achievements was the introduction of the Bioprogressive (Ricketts) philosophy and related appliance systems into the European market. Numerous courses, seminars and study clubs were organized with Dr. Carl Gugino. For more than three decades events sponsored by Rocky Mountain and featuring Carl were among the most popular on the continent. It is a tribute to Martin and Dr. Gugino that the Bioprogressive philosophy continues to enjoy a wide following today in throughout Europe.

In addition to his outstanding efforts in France, Martin, with the assistance of his wife Natalie, traveled extensively abroad promoting Rocky Mountain products and services. Martin, Natalie and a Rocky Mountain exhibit became fixtures at every important orthodontic congress. During this period exclusive distribution agreements were awarded to numerous orthodontic specialty companies throughout Europe and subsidiaries were established in Germany (1970) and Italy (1976). Today Rocky Mountain is represented by an independent dealer network spanning twenty-seven countries serviced directly from RMO Europe headquarters in Illkirch.

Martin Hamilton managed Rocky Mountain France until his untimely passing in 1990. Twenty years on Marty continues to be remembered fondly as a teacher, a visionary and an exceptional leader by all those who had the good fortune to know him.

In 1990, the elimination of border controls, the free movement of goods and people and a single currency within European Economic Community were on the horizon. Dan Van Straten, Vice President, Global Development, was charged with developing a strategy for reorganizing RMO France to better serve a quickly expanding market. In December 1990, and after considering several options, the decision was taken to re-locate the company in Illkirch, a suburb of the city of Strasbourg in the Alsace region of France. The community offers a skilled and multi-lingual labour pool, close proximity to important major markets and a scientific park setting close to the city center. It was at this time that Rocky Mountain France was renamed RMO Europe to better reflect the international scope of its business.

A new building needed to be conceptualized, an architect and general contractor commissioned, permits acquired, furnishings and office equipment purchased and new employees hired and trained. A target date for the transfer of the company's activity of January 1, 1992 presented Dan with a daunting logistical challenge.



Above: Martin Hamilton
Below: Dan Van Straten



Ground breaking for the new building finally took place August 2, 1991. December 28 the Paris office ceased activity and the inventory was transported 450 kilometers to the completed facility in Illkirch. As planned the company resumed regular business from its new location January 2, 1992.

In 1991 Lyn Turner was appointed general manager of RMO Europe. Lyn, who joined RMO in 1966, was president of Rocky Mountain Orthodontics (Canada) Ltd. prior to his European appointment.

In 1992 RMO Europe implemented a new custom EDP program. With the assistance of RMO Denver, a full service preweld department was set up and operators were trained. In September RMO Europe began servicing German retail accounts and European dealers on a direct basis. In 1996 the company developed its Quality Management System (ISO 9002) and acquired the Medical Device Directive (EN46002) and CE certifications necessary to satisfy the European Community regulatory requirements.

At the annual shareholder meeting in May 2010, on the eve of Lyn Turner's retirement, Marc Mayer was appointed President of RMO Europe SAS. Marc joined Rocky Mountain France in 1988 and has since been involved in all aspects of the company's operations. His hard work, loyalty and dedication have been fundamental to the success of RMO Europe and Marc is well equipped to continue the proud and independent tradition of RMO in the years ahead.



Lyn Turner



Marc Mayer



RMO Europe Offices in Strasbourg, France



internationaldealers



RMO® International

In 1933, RMO® was founded in Denver, Colorado and by the late 1930's the first export orders were leaving the factory. This early awareness of the importance of international markets helped to shape the global vision of the company that continues today.

By the 1960's, RMO® had established a wholly owned subsidiary in France (RMO® France). This was followed very shortly thereafter by additional subsidiaries in Germany (RMO® Germany), Italy (RMO® Italy), Australia (RMO® Australia) and a joint venture company in Japan (RMMC – Rocky Mountain Morita Corporation).

Concurrently, independent dealers were being established in Asia, the Pacific Rim, Latin America, Europe, Scandinavia, the Middle East and Africa. Martin Brusse, Martin Hamilton, Sam Bulkley and Frank Scanlon were key members of the RMO® team which initially developed the sales and marketing channels in these important markets.

Early on RMO® understood that its success in these countries depended on more than just selling top quality products at a fair price. There was also a need for education and the sharing of ideas related to orthodontic philosophies, new products and materials, and clinical applications. Many doctors from around the world attended courses given by the likes of Dr. Robert Ricketts,

Dr. Carl Gugino, Dr. William Wilson and many others.

RMO®'s health care innovations have not gone unnoticed. RMO® was awarded the prestigious *E Award for Excellence in Educational Marketing* by two US Presidents, and the company has received the *Colorado Governor's Award* twice in its history for Consistent Excellence in Exporting. These honors reflect RMO®'s status as a truly international company.

With over 50% of corporate sales being generated by business outside of North America, RMO® would like to give special thanks to our world-wide network of dealers. They are a key reason for our continued success.



International Dealers

Argentina Orthodontics	Argentina
AB Orthodontics Pty Ltd	Australia
N & F Ortho Dental	Brasil
Ortoteck-Punto Dental Ltda	Chile
Colombia Orthodontics Ltda	Colombia
Dental Med/Multident	Costa Rica
Evolution D.P. Ltd	Cyprus
Eximex	Ecuador
International Ortho	Egypt
John Tsaprazis S A	Greece
Imp. Y Exp. Marisa	Guatemala
Tesco Dental Supplies Ltd	Hong Kong
Dents Appliance	India
P D Fondaco	Indonesia
Smart Orthodontic Services Ltd	Israel
Novaxa Ortodoncia srl	Italy
Ahmad Engineering Establishment	Jordan
Il San Trading Co.	Korea
Astound International Trading Comp.	Kuwait
Dieti-Pharm	Lebanon
KAF Enterprise (M) Sdn.Bhd.	Malaysia
Representaciones Ortodoncicas	Mexico
General Orthodontics	Morocco
Dental Med	Panama
Sideral Business	Peru
PROS-APAC Orthodontal Corp	Phillippines
Al-Razi Medical Supplies	Saudi Arabia
Fondaco Pte Ltd	Singapore
F T O Dental Pty Ltd	South Africa
Iberica de Ortodoncia	Spain
Amessa Dental Supply	Syria
A&J Bros. Trading Co Ltd	Taiwan (ROC)
Opal Dent CO, Ltd.	Thailand
Medical Alliance	Tunisia
New Al Farwaniya Surgicals Co	UAE
Venezuela Orthodontics CA	Venezuela
Dentwin Medical Supply JSC	Vietnam

RMO® Joint Venture:
RM Morita Corp. Toyko, Japan
rm rocky mountain morita corporation

RMO® has affiliates and independent dealers in over 60 countries throughout the world. The photographs highlighted here are examples of the long term relationships which have helped to make RMO® such a successful company in the international arena. Owners, Tony Zakhem and Jody Hardy would like to acknowledge the importance of each and every one of our dealers, and look forward to strengthening our relationships in the future.



Charlie Kim visiting RMO in Denver - 1982



RMO® Europe Dealers

RMO Europe	Austria
Modern Ortho Supplies	Belgium
Chimtrade Komet Ltd	Bulgaria
Manodent d.o.o.	Croatia
Nomia Bohemia	Czech Republic
Altis Group Sro	Czech Republic
Ortodonti Service A/S	Denmark
Plandent Oy	Finland
Dentalline GmbH & Co	Germany
Margitdent	Hungary
Ortoma	Lithuania
Ortholine B.V.	The Netherlands
Lic Scadenta As	Norway
Orto-Fan	Poland
Dentina LDA	Portugal
Sc Ortoforum Srl	Romania
Ooo Firm Orthodont T	Russia
3GO d.o.o.	Slovenia
Ortopro Ab	Sweden
RMO Europe	Switzerland
Uysal Medikal	Turkey
Park Dental Service	Ukraine
Eurodentic Limited	United Kingdom

RMO® Subsidiary:
RMO Europe
Strasbourg, France



Sam Bulkley - Demonstrating RMO Products - 1980



Dr. Carlos Gutierrez and Dr. Ana Gutierrez and Their Team - 2010



Dr. William Wilson and Martin Brusse, President of RMO, at a Seminar - 1980



RMO® has been involved in the Japanese orthodontic market since the early 1960's. In 1963 the J. Morita Corporation, the leading dental equipment manufacturer in Japan, started distributing RMO® products to the orthodontic market. In 1970 Sam Bulkley from RMO® and Michio Yamashita visited dental schools at Japanese universities throughout the country. They did product demonstrations which were enthusiastically received. Of particular interest at that time was the RMO® Spotwelder – an innovative product which helped improve clinical efficiency tremendously.

In 1973 Martin Brusse, President of RMO®, and Fukuo Morita, President of the J. Morita Corporation, formed their joint venture company called RMMC – Rocky Mountain Morita Corporation. After 37 years in business, this company continues as one of the leaders in providing orthodontic products and services to the Japanese market.

In the mid 1970s RMMC organized Advanced Orthodontic Courses with Dr. Robert Ricketts. This created a lot of interest in the Bioprogressive Technique. Dr. Carl Gugino also started giving courses organized by RMMC. Continuing Education became an important component of RMMC's success.

Over the years, RMMC has introduced many new products into the Japanese market. These include Orthomite – Superbond, Energy Chain™ (F.M. Ringlets), Synergy® Brackets (a low friction, light force fixed appliance system) and the Grace Bracket and Tube System (developed by Dr. Hiroshi Nezu and Dr. Kenji Nagata).

Since the founding of the joint venture company, RMO® and RMMC continue to work together and to share ideas. Each year representatives from both companies jointly attend the AAO (American Association of Orthodontics) and JOS (Japanese Orthodontic Society) Conventions.

RMO® is proud of what RMMC has accomplished, and looks forward to many more years of working together.

Martin & B.A. Brusse visited the J. Morita Manufacturing Corporation in 1970 for the JOS (Japanese Orthodontic Society) Convention.



Martin Brusse and Fukuo Morita established a Joint Venture company, Rocky Mountain Morita Corporation in Tokyo.



History

1963

J. Morita Corporation started to distribute RMO® products in the Japanese market.

1970

Sam Bulkley from RMO® and Michio Yamashita visited Japanese universities to promote RMO® products. The demonstration of RMO® spot welders was enthusiastically received.

1977

RMMC started organizing Advanced Orthodontic Courses with Dr. Robert Ricketts in Tokyo.

1982

Released Orthomite Superbond for Direct Bonding into the Japanese market (first use of methyl methacrylate in Orthodontics).

1983

Released "Energy Chain™", also called F.M. Ringlets, into the Japanese market.

1989

Released an aesthetic bracket made from zirconia, Hi-Brace for the first time in the market.

1993

Released Synergy® Brackets, which combined low friction and low forces to improve treatment efficiencies.

1996

Introduced the Grace Bracket and Tube System (developed by Dr. Hiroshi Nezu and Dr. Kenji Nagata).

Haruo Morita was named President of the J. Morita Corporation. As part of his vision to position the joint venture as a leading company for many years to come, he appointed Yuh Yamazaki as President of RMMC.



Together they have implemented strategic changes to improve customer service, sales and administration. They work closely with Tony Zakhem, CEO of RMO, and Jody Hardy, President of RMO, during yearly meetings to make sure that their shared visions are integrated into the management of the business.



RMMC team introducing the Synergy System in Japan with Dr. David Saurez 2005



RMO®/RMMC Booth at recent JOS conventions



Yuh Yamazaki



Mr. Haruo Morita

SYSTEMS

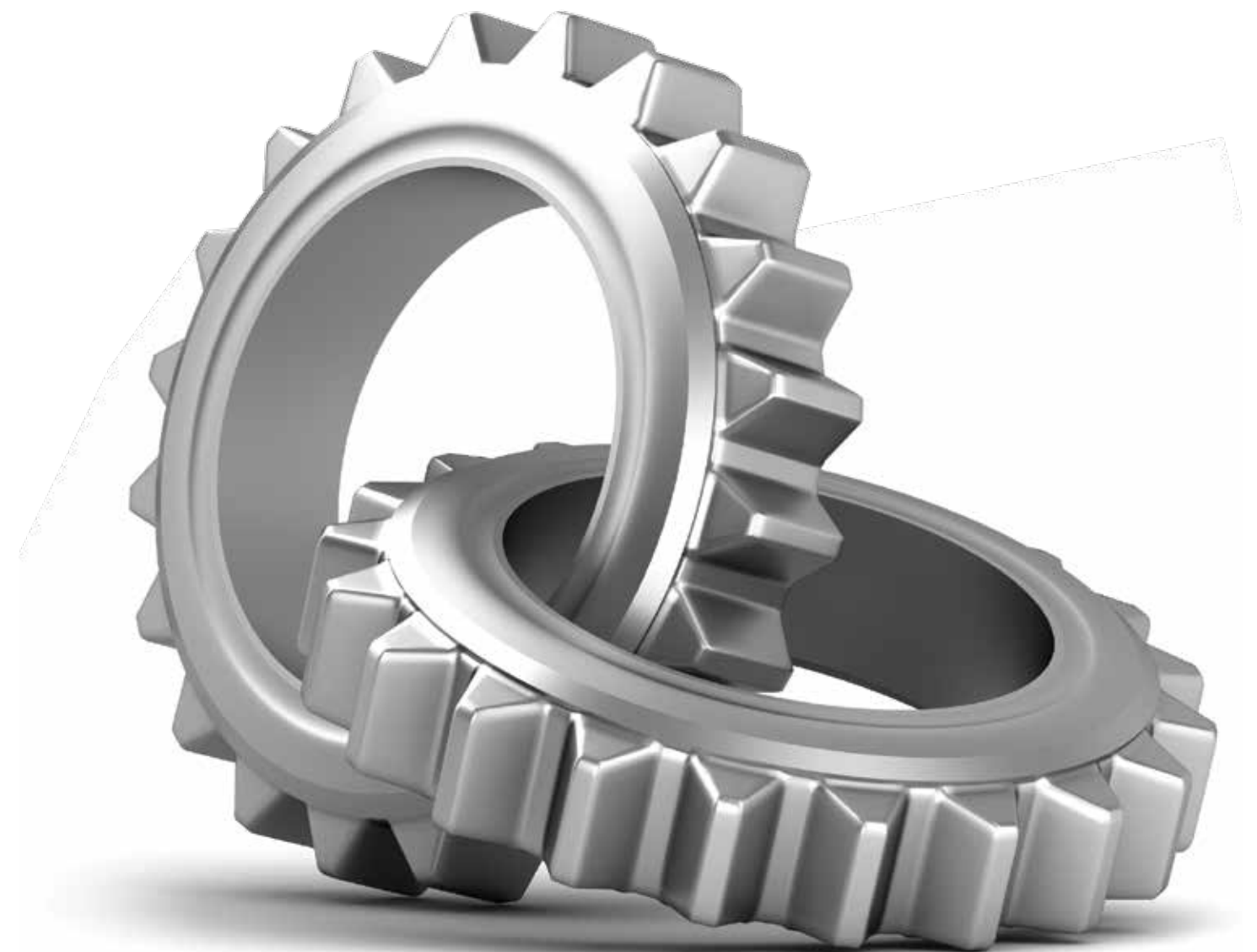


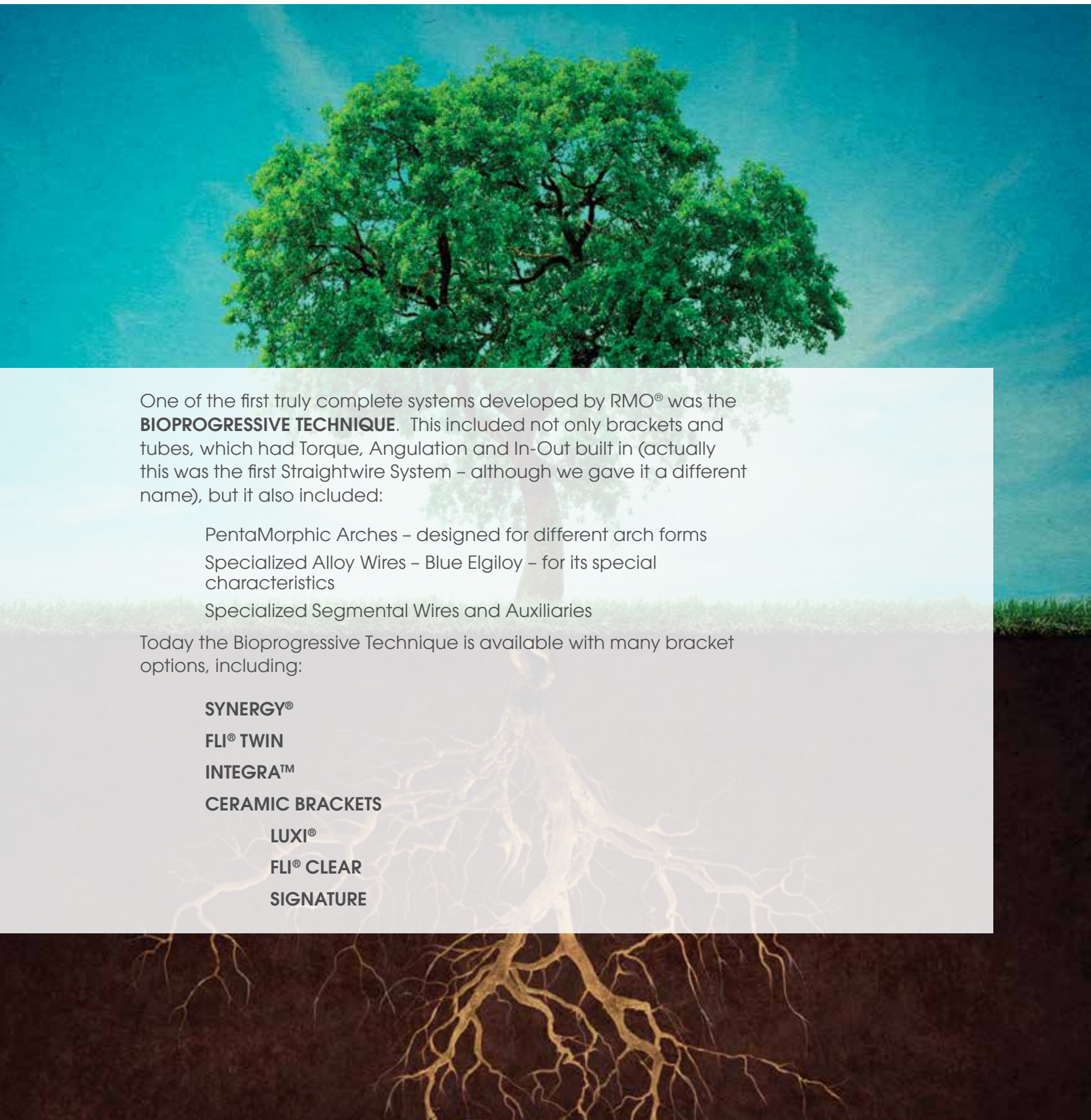
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Bioprogressive Philosophy
3D® 1st Phase FIXED/REMOVABLE® Wilson®
SWLF®- Straight Wire Low Friction
Synergy®
FLI® Orthodontic Systems

systems

Since its inception, RMO® has believed in the value and synergistic benefits of developing systems. By looking at the whole picture, both doctors and patients can take advantage of a wide range of options.





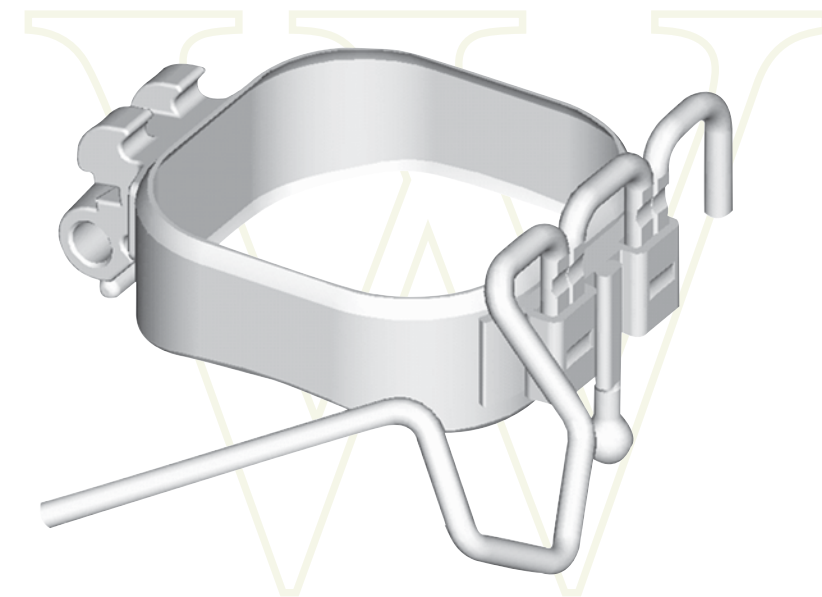
One of the first truly complete systems developed by RMO® was the **BIOPROGRESSIVE TECHNIQUE**. This included not only brackets and tubes, which had Torque, Angulation and In-Out built in (actually this was the first Straightwire System – although we gave it a different name), but it also included:

- PentaMorphic Arches – designed for different arch forms
- Specialized Alloy Wires – Blue Elgiloy – for its special characteristics
- Specialized Segmental Wires and Auxiliaries

Today the Bioprogressive Technique is available with many bracket options, including:

- SYNERGY®
- FLI® TWIN
- INTEGRA™
- CERAMIC BRACKETS
- LUXI®
- FLI® CLEAR
- SIGNATURE

WILSON® 3D®



The **WILSON® 3D® FIXED/REMOVABLE® SYSTEM** is an example of another early offering from RMO®. It is often thought of as a “Tool Kit” for addressing first phase/early treatment clinical situations. The various appliances share simple design features for expansion, uprighting, tipping, torquing and space maintenance. They also offer easy chair side adaptations for each individual patient. RMO continues to improve and add to the “Tool Kit.” One recent addition is the 3D Distalizing Arch to be used with the Dual Top TADs.

systems

SWLF®- STRAIGHT WIRE LOW FRICTION

SWLF® – STRAIGHT WIRE LOW FRICTION – This technique, developed by Dr. David Suarez, is a state of the art system which takes into account new developments in bracket designs, manufacturing technologies and advanced wire offerings. It provides an easy to understand approach to using all the technology available to treat patients quickly, more efficiently and more comfortably. Notable components are Synergy Brackets, Thermal Activated Nickel Titanium Wires and Titanium Molybdenum Wires.



systems

SYNERGY®

S Y N E R G Y®

SYNERGY® – these brackets are synonymous with RMO® and the many advantages that can be incorporated into a system. Their unique design allows for reduced friction, multiple ligating options (which can be used on a tooth by tooth basis), and more options for using different wires very early in the treatment cycle. All of this results in shorter treatment times for the patient, while providing excellent finished results. Options include:

- SYNERGY®**
- SYNERGY R®**
- SYNERGY FX®**
- SYNERGY LUX® (CERAMIC)**



Synergy (sin-er-jee) : is the combination...



... of two or more things that creates an effect...



...which is greater than the sum of the individual parts.

BE A HERO... with FLI Orthodontic Systems

FLI ORTHODONTIC SYSTEM – This is one of the newest RMO system offerings. It includes new designs of brackets and tubes that incorporate physical features that improve treatment efficiency. RMO also added aesthetic wires and improved bonding adhesives. Components include:

- FLI® SL
- FLI® CSL
- FLI® TWIN BRACKETS
- FLI® CLEAR – CERAMIC BRACKETS
- FLI® COMPOSITE
- FLI® TUBES
- FLI® MINI TUBES
- FLI® WIRES



FLI® SL- Self Ligating

RMO®'s New FLI® SL Brackets bring innovative design to low-friction, passive self-ligation technology



FLI® CSL- Ceramic Self Ligating

RMO®'s New FLI® CSL Brackets has all the benefits of the FLI SL, but now available in ceramic.



FLI® TWIN- Now in Roth prescription

Smooth, comfortable low-profile design. Liberal tie-wing clearance for easy and secure ligation.



FLI® CLEAR

Fully transparent for unmatched aesthetics without glare or reflections; smooth rounded surface is fully polished for exceptional patient comfort



FLI® COMPOSITE

Exceptional patient comfort, Easy, more secure ligation. Unmatched aesthetics and true natural appearance.



FLI® TUBES

FLI® Series Buccal Tubes deliver superior performance in an extremely small package. With Metal-Injection-Molded (MIM) construction for smooth comfortable contours.



FLI® MINI 2ND MOLAR TUBES

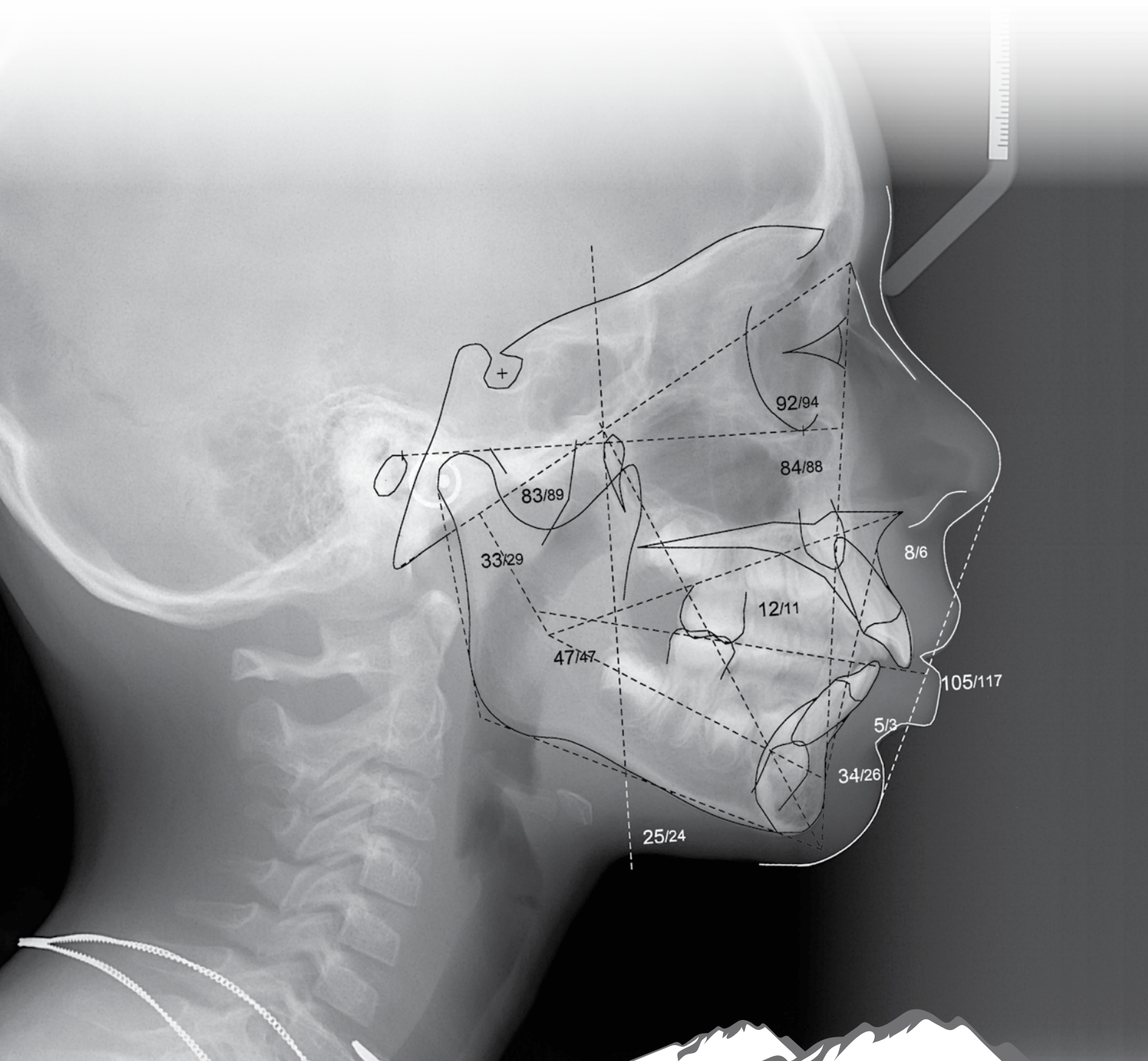
RMO®'s New FLI® Mini Tubes are specifically designed for partially erupted 2nd molars, offering a perfect solution for early stages of bonding.



FLI® WIRE

FLI® wire coated archwire system offered in both RMO® Tru-Chrome® stainless steel, and Orthonol® superelastic nickel-titanium.

DATA SERVICES



RMO®
rocky mountain orthodontics

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E-Ceph®
Joe-Ceph®

Computerized DATA services (RMODS®)

Rocky Mountain Orthodontics Data Services® (RMODS®) is the world leader in providing computerized orthodontic diagnosis. We have analyzed over 700,000 cases. RMODS has helped thousands of clinicians determine the best treatment plan possible, based on the complexities of each individual patient.

Key components of the service:

- Comprehensive cephalometric analysis (frontal and lateral)
- Individualized norms based on age, gender and race
- Tracing of lateral and frontal x-rays
- Arch analysis of upper and lower dentition
- Airway analysis
- Visual Treatment Objective (VTO) (short and long term)
- Treatment design
- 3rd molar probability
- Treatment sequences worksheet
- Height prediction
- Long range growth simulation to maturity with and without treatment
- Alerts including TMJ awareness, excessive mandibular growth, and endochronological problems
- 33 different letters are generated for extreme or unusual situations



- RMO's E-Cephalometrics®, or E-CEPH® (computer-aided orthodontic data service via the internet) is the most cost effective, complete, and accurate orthodontic diagnostic service in the world.
- E-Ceph is like having an in-office diagnostic system and the best trained staff without the overhead
 - Surgical treatment design is available
 - Free telephone and online support
 - View sample cases at www.rmortho.com or call 800.458.8884 for more info



There are two easy ways to access this service:
E-Ceph® online service

- Practice transmits digital/scanned records via the Internet
- RMODS processes records according to the doctor's individualized treatment standards
- Records can be shared with other dental/health professionals electronically
- RMODS transmits diagnostic work-up back to doctor via the internet
- Records can be stored, archived electronically, and printed
- Records can be viewed on screen or printed for patient/parent consultation
- Records can be shared with insurance companies electronically for faster reimbursement

Mail-in and mail-back service

- Doctor sends records by mail/FedEx
- RMODS processes records according to the doctor's individualized treatment standards
- Records can be shared with other dental/health professionals by mail or in person
- RMODS sends diagnostic work-up back to doctor by return mail/FedEx
- Records can be mailed to insurance companies

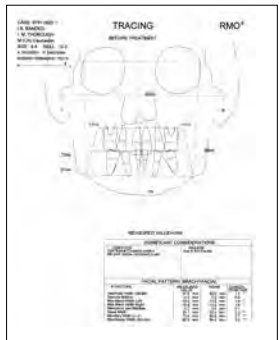
Comprehensive Cephalometric Description

- This report is generated for lateral and frontal x-rays
- Over 100 measured factors are evaluated and printed with norms and clinical deviation based on patient's age, sex, and race
- Orthodontic-dental-skeletal relationship is reported, including soft tissue and airway analysis



Tracing Sheet

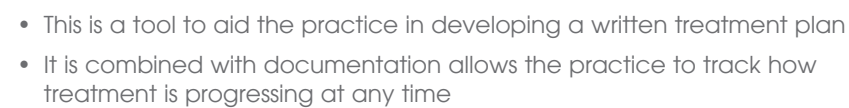
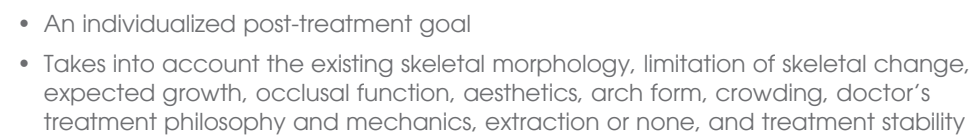
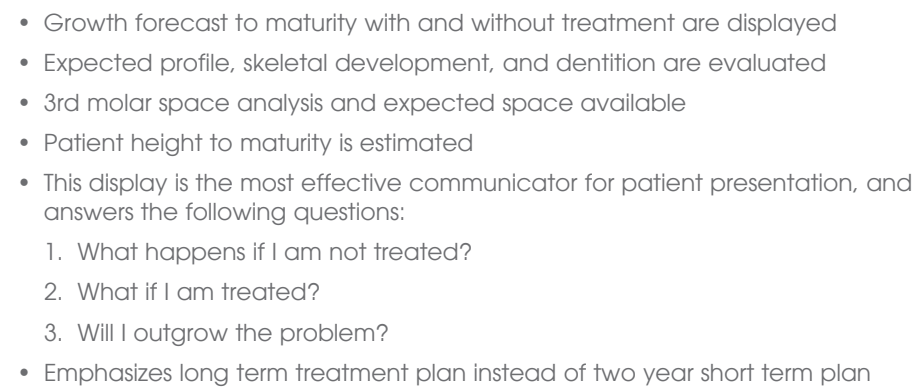
- Lateral and frontal tracing
- The most popular analyses (Ricketts®, Jarabak, Steiner, Sassouni, Downs and Grummons)
- Significant considerations, which is a summary of the patient problem based on over 200 digitized anatomical points



Visual Norms

- Visual norm is an individualized computer composite of a normal population selected by age, gender, and race, adjusted for size
- Visual norm enables the practice to visualize a patient's abnormalities by superimposing an image on the tracing





PD	Primary Dentition Diagnostic Package	(no arch required)
D1	Comprehensive Package	Lateral x-ray and lower arch impression required
F1	Functional Application Package	There is no additional charge for submitting a frontal x-ray
SP	Surgery Package	Facial photos are optional. A pan-oral x-ray helps us better analyze a case
VP	Visual Package (frontal at extra charge)	Wrist film and upper arch impression are encouraged
27	Predetermined Arch Length Package	Lateral x-ray is required with ALD and leeway space
31	Progress Tracing and CCD	
32	End of Tx Tracing and CCD	Lateral x-ray is required
33	Retention Tracing and CCD	The case has been previously processed by RMO
34	Post Retention Tracing and CCD	

64 Patient/Parent
65 Interprofessional
66 ENT



JOE Ceph®

JOE Ceph is an in-office on screen digitizing software for performing static analysis of lateral, frontal x-rays and dental arches.

Tracings:

JOE Ceph displays lateral and frontal tracings with lines, planes and factors. Factors are color coded to show deviation from the normal. It offers analysis such as Ricketts, Jarabak, Sassouni Plus, Clark, Tweed and RMO's Comprehensive Analysis. You may define your own analysis by selecting from JOECEPH'S 100 factors to store your analysis on any case.

JOE Ceph will also provide you with Airway Analysis and abnormal growth alerts.

Visual Norms:

JOE Ceph provides you with RMO's exclusive Visual Norms. You can superimpose the Visual Norms on tracings of the lateral and frontal x-rays giving you a tool for showing patient's problem areas. JOE Ceph can display multiple superimpositions simultaneously.

Arch Analysis:

JOE Ceph's dental arch analysis provides you with information regarding inter and intra-arch relationships. These features include: tooth size, estimation of unerupted dentition size, arch length discrepancy and leeway "E" space estimation.

The Bolton Analysis helps provide information on how upper and lower teeth fit together.

24 Month Growth Forecast without Treatment:

The short range (24 month) Growth Forecast without Treatment will give clear information on the direction of growth. This feature can be used with progress records to distinguish orthodontic changes from natural growth through superimposition on significant areas.

JOE Ceph will also be useful in management of patient images.

System Requirements:

- 2GHZ Intel or AMD class porcessor
- 1024 x 768 Monitor resolution
- 1 Gig of RAM (2 Gigs recommended)
- Microsoft Windows XP, Windows Vista, Windows 7
- Adobe Flash Player
- X-Ray images must be 1:1 ratio
- X-Ray images must be JPEG, BMP, GIF, or TIF
- X-Ray images must be less than 12" x 12"
- X-Ray images should be 300 DPI
- Administrative access on computer

Product Options:

Joe-Ceph 1 Cal (1 License)
Joe-Ceph 2 Cal (2 Licenses)
Thumb Drive

Part Numbers:

JOECEPH-01
JOECEPH-02
JOECEPH01T



Joe Ceph, discovering your way out of the maze of diagnostics

In-office Software Package | On Screen Digitizing | Cephalometric Analysis | Custom Analysis | Upper and Lower Arch Analysis | Visual Norms | Airway Analysis | Excessive Mandibular Growth Alert | 24 Month Growth Forecast without Treatment | Superimpositions of Different Time Points | Management of Patient Images



FUNCTIONAL EDUCATION & EARLY TREATMENT SYSTEMS



table of contents

Liberty Bielle®
Multi Family®
3D® 1st Phase FIXED/REMOVABLE® Wilson®
Space Maintainers
Kussick Bone Remodeling
Face Mask

functionaleducation®

RMO® is placing great emphasis on our Functional Appliances. Other terms that apply to these types of products include Early Treatment, Interceptive Orthodontics, First Phase Orthodontics, etc.

Functional Appliances have been widely used in Europe, Scandinavia and parts of Asia for many years. There is growing interest in North America regarding their use. As an introduction to this section we have included part of an article written by Dr. Franco Bruno. He addresses some of the issues that doctors think about when they are considering whether to use Functional or Fixed Appliance options – or a combination of the two.

The Functional Matrix: A Practical Solution Using the Multi-Family* By Dr. Franco Bruno

A long-term goal in orthodontics has been to understand the interaction between the Functional Matrix and malocclusion. Research in this area began in the early 19th century and, to date, there is no definitive understanding. Contemporary orthodontics recognizes two opposing views. The “functionalists” believe that the Functional Matrix, especially that of a muscular nature, is the determinant principle of malocclusion. Contrary to this belief is the “mechanistics” view, whose proponents say that muscular dysfunctions are a result of malocclusion. Unfortunately, the latter have yet to submit a theory on the etiology of malocclusion. There are various positions between these two extremes that, to a greater or lesser degree, recognize the influence of the functional matrix on malocclusion. It is difficult for the clinician to address malocclusion both in etiological terms and long-term stability. A primary issue is the probability of relapse after orthodontic treatment. If the Functional Matrix is the cause of malocclusion, and it is not neutralized during treatment, there will be a greater possibility of relapse. However, if the dysfunction is a result of the malocclusion, only its complete resolution will guarantee stability of the case. From our perspective, this ideological dualism is irrelevant.

The philosophy of “Self Confident Orthodontics” views the interaction between the Functional Matrix and malocclusion as a continuous exchange of information between the two components and, therefore, foresees a therapeutic protocol that aims at correcting both parts of the system in order to find the most appropriate solution for long-term stability. The main therapeutic idea is to work on each component at different treatment times. In the absence of definitive scientific evidence, the clinician must develop his/her own viewpoint and objectives to best resolve the patient’s problems and reach a clinical outcome that will be stable over time.

* Excerpt from RMO Clinical Review May 2010, Page 35



Liberty Bielle[®] Overview

The Liberty Bielle, the newest addition to the RMO[®] Functional Education System, is a Herbst-type appliance. Its unique design allows it to rotate 360 degrees, maximizing lateral movement and providing comfort, flexibility for the patient, and treatment efficiency to the doctor.

The Liberty Bielle consists of an assortment of precisely engineered and manufactured components of the highest quality. These unique components increase the durability of the appliance by minimizing destructive lateral forces and allowing maximum movement of the mandible in many directions. Liberty Bielle is available in both removable and fixed configurations.

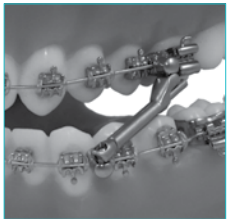
The Liberty Bielle is easy to adapt to any standard bracket and tube fixed appliance system. Combined with your edgewise therapy, multiple orthodontic and orthopedic objectives can be achieved simultaneously.

Liberty Bielle[®] Removable



Liberty Bielle[®] Fixed

Liberty Bielle Fixed requires no lab construction and can be fitted and adjusted chairside.



Kits Order Number	Package Contains		
K01514	4 each: Fixed Pivots,	2 each: Upper tube rod and Lower tube rod	4 each: Slotted and Fixed Hex screws

Order Number	Package Contains	Quantity
J01500	Upper Tube Rod	2 each/pk
J01501	Lower Rod	2 each/pk
J01502	Screw	10 each/pk
J01503	Screwdriver	1 each
J01504	1.5mm Activation Spacers	10 each/pk
J01505	4.5mm Pivots	10 each/pk
J01506	5mm Pivots	10 each/pk
J01507	Liberty Bielle [®] Fixed Pivot	10 each
I00034	Hex Wrench	1 each
J01508	Fixed Hex screws	5 each





Multi-S® – Multi-Start Appliance

Ideal for children between 4 and 8 years old, the appliance reduces the muscular forces and promotes proper alignment of the teeth. One size fits all and is easily adjustable to each patient.

Order Number	Package Contains
J00805	1 each
J00806	5 each



Multi-T® – Multi-Trainer Appliance

A pre-orthodontic treatment appliance designed to improve facial and dental development in children (mixed dentition) and reduce problems associated with: swallowing, thumb sucking, tongue thrusting, labial dysfunction, respiratory problems.

Order Number	Package Contains
J00800	1 each
J00801	5 each



Multi-TB® – Multi-Trainer for Brackets

Suitable for both children and adults wearing brackets. One size fits all, easily adjustable to each patient.

Order Number	Package Contains
J00990	1 each
J00991	5 each



Multi-P® – Multi-Positioner Appliance

The Multi-P guides erupting teeth with the help of the patient's own muscle forces to an ideal position in the dental arches. A good occlusion is established and development of severe malocclusions avoided. The appliance has a high and low model. The high model, designed for the treatment of open bite cases, has a thickened molar region. Measurements are from left side to right side between lateral and cuspid.

Low Model		High Model		Maxillary Measurement (mm)	Mandibular Measurement (mm)
Size Number	Part Number	Size Number	Part Number		
10	J00810			24.8 -25.9	18.8 -19.5
15	J00815			26 -27.1	19.6 -20.3
20	J00820	20	J00920	27.2 -28.3	20.4 -21.1
25	J00825	25	J00925	28.4 -29.5	21.2 -21.9
30	J00830	30	J00930	29.6 -30.7	22 -22.7
35	J00835	35	J00935	30.8 -31.9	22.8 -23.5
40	J00840	40	J00940	32 -33.1	23.6 -24.3
45	J00845	45	J00945	33.2 -34.3	24.4 -25.1
50	J00850	50	J00950	34.4 -35.5	25.2 -25.9
55	J00855	55	J00955	35.6 -36.7	26 -26.7
60	J00860	60	J00960	36.8 -37.9	26.8 -27.5
65	J00865	65	J00965	38 -39.1	27.6 -28.3
70	J00870	70	J00970	39.2 -40.3	28.4 -29.1



Multi-P® Sizer

Order Number	Package Contains
J00980	1 each

Without changing your chosen technique, RMO® 3D® 1st Phase FIXED/REMOVABLE® Modular Orthodontics™ (Wilson®) can help your practice target treatment planning decisions to reduce treatment time and cost, and to improve patient comfort and cooperation. This will help your practice grow.

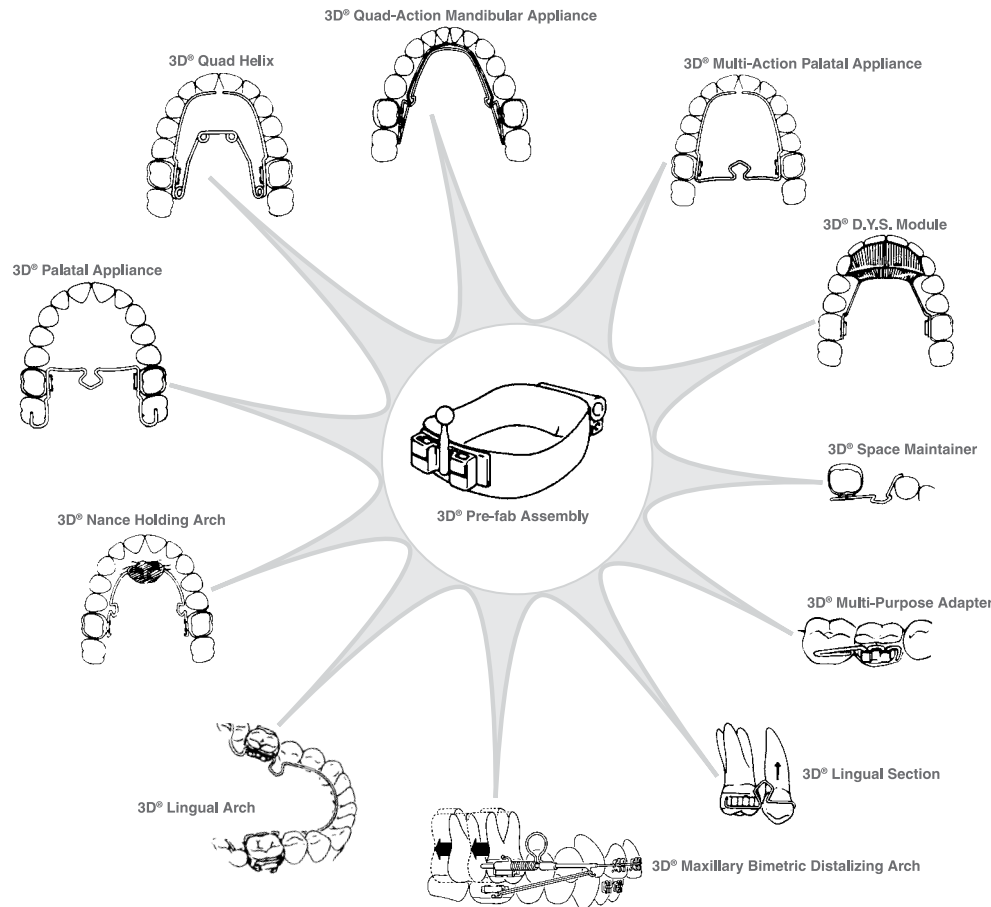
All principles have been proven through successful usage for many decades. What is new and unique is the way the principles were engineered by Dr. William Wilson and Dr. Robert Wilson into an easy-to-use plug-in, plug-out system of 12 modular options. Over 100 different 1st Phase treatment movements can be achieved with minimum number of appliances and maximum patient comfort and satisfaction.

The 3D Lingual Arch System (Wilson) is the result of four decades of lingual arch use, analysis and research, change and experimentation. All types of non-bracket lingual appliances and molar band/tube combinations were evaluated. Different orthodontic mechanical needs and possibilities were considered. The originators, Dr. William Wilson and Dr. Robert Wilson were also concerned with harmonious lingual arch usage with various types of fixed and removable techniques.

In perspective, the 3D FIXED/REMOVABLE System (Wilson) should be considered as a comprehensive appliance supplementing system; it is a "tool box" of options. The numerous 3D options help you add to the effectiveness of the appliances you have chosen to deal with your diagnosis and treatment plan. Also, it is important to note that each 3D module is a subsystem by itself. That is, each has specific areas for use and each has numerous supplementing options.

While a 3D Lingual Arch can be cut in half and used with acrylic to make a Nance Holding Appliance for maxillary arches, this 3D Lingual Arch is designed primarily for mandibular arches. The same is true for the 3D Quad-Action Mandibular Appliance.

3D Lingual appliances for the various maxillary arch needs are: the 3D Palatal Appliance, 3D Multi-Action Palatal Appliance and the Quad Helix.



Like most things found in the dental profession, successful use depends upon understanding and development of skills. The following are educational materials and services.

Basic Textbooks: By Dr. Robert Wilson and Dr. William Wilson

Book 1 Enhanced Orthodontics



This book reviews basic concepts and describes how the different modules affect 100 different 1st Phase treatment movements. Twenty case histories are described and documented. 435 pages, 700 illustrations.

Order Number **P00040**

Book 2 Enhanced Orthodontics: 3D[®] Multi-Directional Force Systems Fabrication



This laboratory manual illustrates and describes step-by-step how the 3D Modules are adapted and used. It is a "how to" book on making modular appliances.

Order Number **P00042 - available on Website download only**

3D[®] Wilson[®] Toolbox

The Wilson Toolbox contains an assortment of the most popular sizes of appliances conveniently packaged to begin using the system.

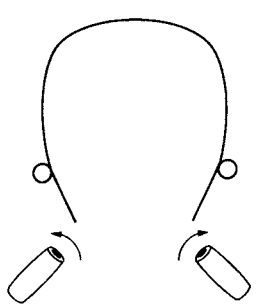


	Order Number	Kit Components		
3D [®] Wilson [®] Toolbox	K00850	A04303	3D [®] Lingual Arch Size 4	1 each
		A04304	3D [®] Lingual Arch Size 5	1 each
		A04305	3D [®] Lingual Arch Size 6	1 each
		A04157	3D [®] Maxillary Bimetric Distalizing Arch Size 3	1 each
		A04158	3D [®] Maxillary Bimetric Distalizing Arch Size 4	1 each
		A04159	3D [®] Maxillary Bimetric Distalizing Arch Size 5	1 each
		A04310	3D [®] Quad Helix Size 3	1 each
		A04311	3D [®] Quad Helix Size 4	1 each
		A04312	3D [®] Quad Helix Size 5	1 each
		A04322	3D [®] Multi-Action Palatal Appliance Size 3	1 each
		A04323	3D [®] Multi-Action Palatal Appliance Size 4	1 each
		A04324	3D [®] Multi-Action Palatal Appliance Size 5	1 each
		F00125	Elgiloy [®] Coil Spring 5mm	10 each
		F00126	Orthonal [®] Coil Spring 5mm	10 each
		A04315	3D [®] Wilson [®] Lingual Tube	20 each
		i00505	3D [®] Lingual Arch Selector	1 each
		i00507	3D [®] Maxillary Bimetric Distalizing Arch Selector	1 each

3D[®] Transfer System Overview

The key to in-practice and laboratory 3D Appliance processing.

- Preformed bands with 3D Lingual Tubes and buccal tubes with .045" or .051" headgear tubes of your choice are fitted and cemented.
- If molars are rotated, making it difficult for 3D Maxillary Bimetric Distalizing Arches to be fitted into the headgear tubes, adjust as follows:
 - Form an .018" molar rotating arch with horizontal helices just anterior to the "toed-in" headgear tube. Bend the distal ends of the arch wire to accomplish the desired rotations so the posterior sections can be easily placed into the headgear tubes.
 - Tie-in arch wire. When molars have rotated as desired, remove the arch wire. You are now ready to employ the 3D Transfer System.

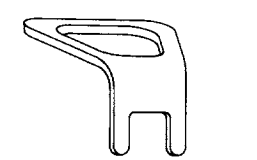


To correct upper molar rotations so 3D[®] Bimetric Distalizing Arch will fit into buccal tube.

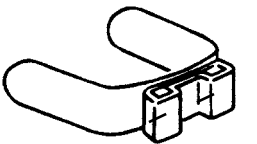
3D[®] Transfer System

	Order Number	Package Contains
3D [®] Transfer Insert	A04198	10
3D [®] Transfer Lingual Tube	A04199	10

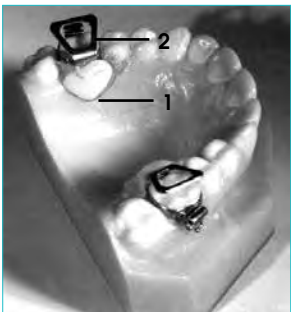
- Reduces time consuming laboratory related procedures
- Laboratory impression can be taken during active treatment (No need to stop treatment)
- Laboratory can produce very accurate FIXED/REMOVABLE appliance
- A time/cost saver; excellent for in-practice and outside 3D laboratory appliance fabrication procedures



3D[®] Transfer Insert



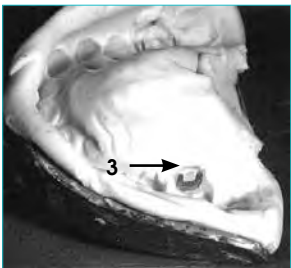
3D[®] Transfer Lingual Tube



Office Procedures

RMO® TruForm Molar Bands, prewelded with buccal tubes and 3D® Lingual Tubes have been cemented in place on the patient.

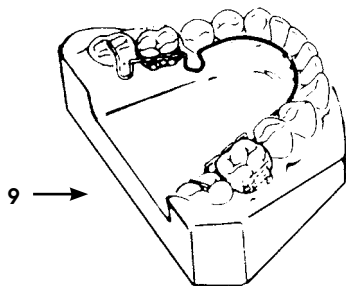
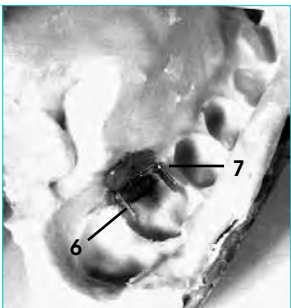
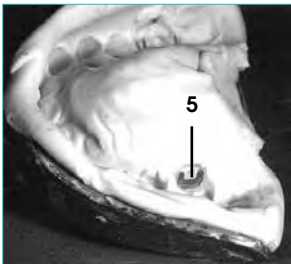
- 1. The 3D Lingual Tubes are covered with wax.
- 2. Insert the 3D Transfer Inserts into the 3D Lingual Tubes. The posts are designed as loose-positioning posts for the 3D Transfer System, and not as the friction-fit posts in the 3D appliances.
- 3. Take soft colloid impression and remove after setting. Note how the insert posts are protruding through the impression.
- 4. The impression is now sent to the laboratory for 3D appliance fabrication.



Laboratory Procedures

Doctor sends in an impression with 3D Transfer Inserts already in position.

- 5. With scalpel, remove 3mm of colloid, lingual to the posts, for seating clearance.
- 6. Seat the 3D Transfer Lingual Tubes on the protruding posts. If necessary, contour the retaining tabs of the 3D Transfer Tube to insure retention in the stone model.
- 7. Add sticky wax over the 3D Lingual Tubes and fill the space between the tubes and colloid.
- 8. Pour with stone and separate. The 3D Transfer Lingual Tubes will be accurately positioned and securely attached to the stone model.
- 9. Proceed to fabricate the 3D appliance on the stone model.
- 10. With knife, remove the 3D Transfer Inserts from the colloid. Also, remove the 3D Transfer Lingual Tubes from the stone formed for future reuse or retain in stone model for future 3D modular components.
- 11. For commercial laboratories, send the finished 3D appliance to the doctor on the stone model for reference.



3D® Lingual Tube (Wilson®)

The key to the 1st Phase System (Wilson) is the 3D Lingual Tube. All 3D lingual modules plug into these tubes. They are available with and without prewelded hooks. They can be purchased separately or as a preweld on RMO TruForm Molar Bands.

- New, improved "click-fit" assures positive post seating

	Order Number	Package Contains
3D® Lingual Tube	A04315	10
3D® Lingual Tube with Gingival Hook	A04314	10



3D® Buccal Tubes (Wilson®) – Maxillary

The 3D Wilson Maxillary Double Buccal Tubes are available with 6° Distal Offset. These tubes are designed with .018" x .030" (.457mm x .762mm) or .022" x .030" (.559mm x .762mm) dimensions and an extra long extended gingival .045" (1.143mm) round headgear tube to help prevent tipping of the molar when distalizing.

The 6° Distal Offset tube is produced as an integrated one-piece design, utilizing state-of-the-art Metal Injection Molding (MIM) manufacturing. The rectangular tube is approximately 2mm shorter than the headgear (round) tube, to increase the inter-tube distance with the 2nd molar. The rectangular tube is convertible, with an integrated tie wing design. It is available with a hook.

		On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	Package Contains
		.018 (.457mm)		.022 (.559mm)		
With Hook	R	A08260	A04360	A08262	A04362	10
	L	A08261	A04361	A08263	A04363	10



3D® Buccal Tubes (Wilson®) – Mandibular

The 3D Wilson Mandibular 1st Molar Tube consists of two rectangular arch slots with a mesial hook. The reduced friction slot reduces corner drag when using square or rectangular wire. Smooth buccal surface; rounded edges for patient comfort. Increased mesial distal length for increased control.

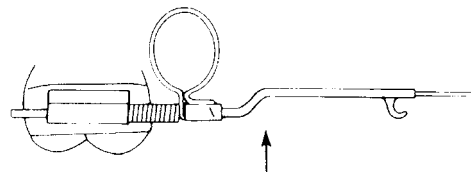
		Order Number	Package Contains	
		.018 (.457mm)	.022 (.559mm)	
With Hook	R	A04370	A04372	10
	L	A04371	A04373	10



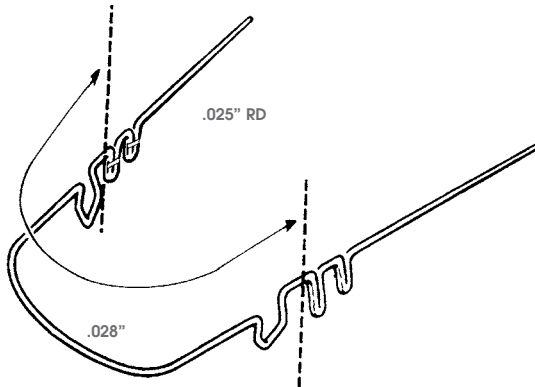
Buccal Tubes

However Dr. Wilson recommends the use of buccal tubes with gingivally placed .045" head gear tubes, other buccal tubes of various fixed appliances with occlusally placed headgear tubes can be successfully used with 3D Maxillary Bimetric Distalizing Arch procedures.

When using 3D Maxillary Bimetric Distalizing Arches with .045" or .051" occlusally placed buccal tubes, it is necessary to adjust the distal buccal section of the arch. A step up bend is made anterior to the Omega Stop assembly. This enables the distalizing elements to function in the occlusally placed tube while the anterior elements of the arch are properly aligned with anterior brackets.



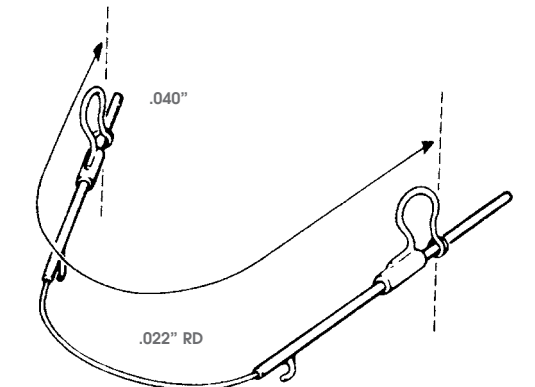
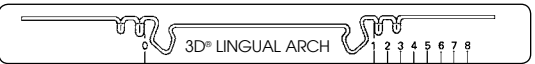
RMO® now has buccal tubes and tube variations for all popular techniques. If your practice is interested in incorporating selected 3D 1st Phase FIXED/REMOVABLE (Wilson) options into your treatment regimens, it is easily done. Just order 3D Lingual Tubes and your preferred buccal tubes prescription welded to RMO TruForm Molar bands.



3D® Lingual Arch

- Easy vertical placement and removal
- Mandibular anchorage
- Holding arch for extraction and non extraction cases
- Mandibular arch length increase, including sight molar distalization, one side at a time
- Lower molar rotation, torquing and tipping
- Second molar control

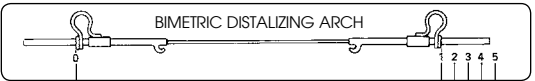
Size	Order Number	Package Contains	Kit Contains
1 - 51mm	A04300	3	2
2 - 54mm	A04301	3	3
3 - 57mm	A04302	3	4
4 - 60mm	A04303	3	6
5 - 63mm	A04304	3	6
6 - 66mm	A04305	3	4
7 - 69mm	A04306	3	3
8 - 72mm	A04307	3	2
9 - 75mm	A04318	3	-
10 - 78mm	A04319	3	-
Assorted	K00760	-	30
3D® Lingual Arch Selector	i00505	1	



3D® Maxillary Bimetric Distalizing Arch

- Rapid molar distalizing (no headgear required)
- Rapid anterior retraction (no headgear required)
- Rapid anterior intrusion (no headgear required)
- Functional arch increase
- Release of post-lock mandible to allow forward growth

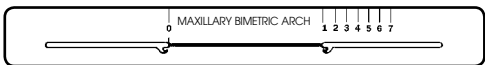
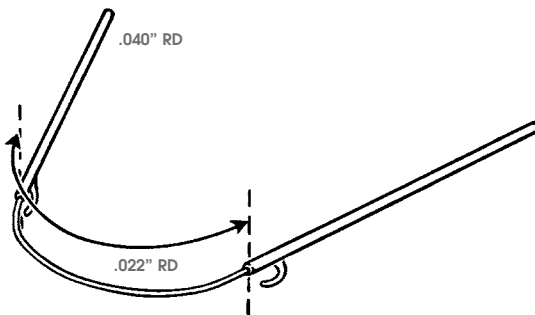
Size	Order Number	Package Contains	Kit Contains
1 - 80mm	A04155	3	1
2 - 83mm	A04156	3	1
3 - 86mm	A04157	3	2
4 - 89mm	A04158	3	3
5 - 92mm	A04159	3	3
6 - 95mm	A04160	3	2
7 - 98mm	A04161	3	2
Assorted	K00678	-	14
3D® Maxillary Bimetric Distalizing Arch Selector	i00507	1	



3D® Bimetric Arch (basic)

- For making a 3D Maxillary Bimetric Distalizing Arch
- Same as 3D Maxillary Bimetric Distalizing Arch plus special applications in unilateral distalization

Size	Order Number	Package Contains	Kit Contains
1 - 40mm	A04127	3	1
2 - 43mm	A04128	3	2
3 - 46mm	A04129	3	3
4 - 49mm	A04150	3	3
5 - 52mm	A04151	3	3
6 - 55mm	A04152	3	2
7 - 58mm	A04153	3	1
8 - 58mm	A04154	3	0
with extended section (6mm) each side			
Assorted	K00688	-	15
3D® Bimetric Arch Selector	i00506	1	



Omega Adjustable Stop

- Crimpable .040 ID
- Use the i00548W modular Omega plier for adjustments

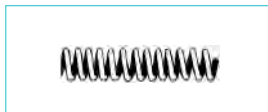
Order Number	Package Contains
A04124	10



5mm Coil Spring

Open Elgiloy® coil spring. Does not require heat treatment. For use with Bimetric Distalizing Arch.

.010" x .045" x 5mm	F00125	50
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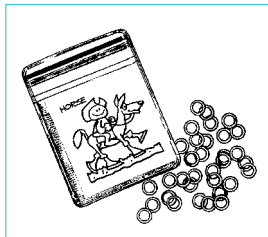


Open Orthonol® Coil Spring, constant force gradient of nickel titanium when distalizing (Schedule II elastics only).

.012" x .045" x 5mm	F00126	10
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Energy Pak™ Elastics

	Order Number	Package Contains (approximately)
Nonextraction cases		
5/16" 2 oz.	J01103	2,000
5/16" 3 oz.	J01113	2,000
Extraction cases		
1/4" 2 oz.	J01102	2,000
1/4" 3 oz.	J01112	2,000



Elastic Load Reduction Principle For the 3D® Maxillary Bimetric Distalizing Arch

SCHEDULE #1 (2 oz. elastics)
Used with:

- Flaring lower incisors
- Small mandibular roots

First	Second	Last
5 days of treatment use:	5 days of treatment use:	11 days or until next visit use:
3 - 2 oz. elastics	2 - 2 oz. elastics	1 - 2 oz. elastics

Using 2 oz elastics, three elastics should be used during the first five days, two during the second five days and one during the final eleven days of the treatment plan. Fresh elastics are applied daily. Elastics must be worn 24 hours each day between appointments, including during meals.

Use RMO® 5/16" 2 oz. elastics for non-extraction cases.
Order No. **J01103**

Use RMO® 1/4" 2 oz. elastics for extraction cases.
Order No. **J01102**

SCHEDULE #2 (3 oz. elastics)
Most common usage:

- Class II Div. 2
- Class II Div. 1 with closed bite
- Cases with steep cusps
- Adult cases

First 10 days of treatment use:	Until next visit use:
2 - 3 oz. elastics	1 - 3 oz. elastics

Two RMO® 3 oz. elastics used during the first 10 days. Then, one 3 oz. elastic is worn until next adjustment. Fresh elastics are applied each 12 hours and are worn 24 hours daily, including during meals.

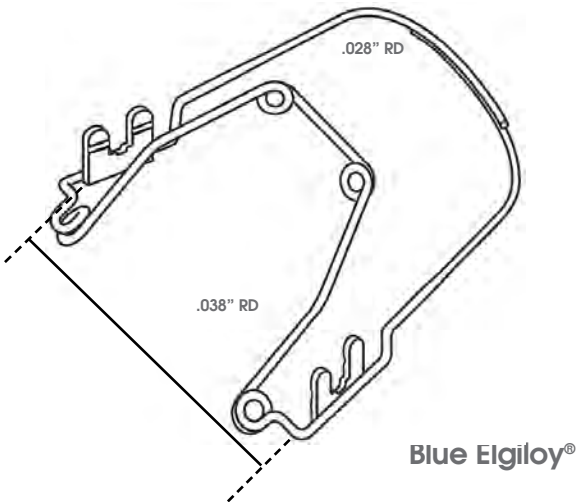
Use RMO® 5/16" 3 oz. elastics for nonextraction cases.
Order No. **J01113**

Use RMO® 1/4" 3 oz. elastics for extraction cases.
Order No. **J01112**

3D® Quad Helix

- Easy vertical placement and removal
- A single FIXED/REMOVABLE alternative to multiple removable appliances
- Bilateral molar expansion
- Bilateral maxillary arch expansion
- Molar rotation, torquing and tipping
- Selective cuspid and bicuspid expansion
- Excellent for correcting cross bites in pediatric dental patients

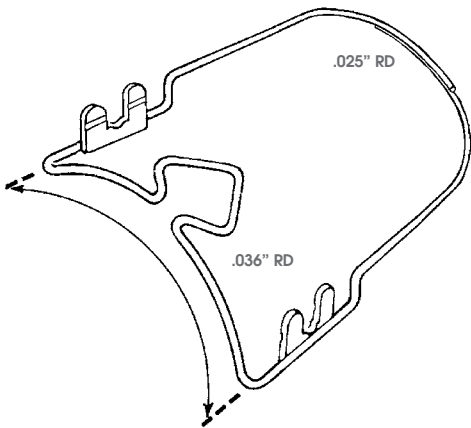
Size	Order Number	Package Contains	Kit Contains
1 - 25mm	A04308	3	1
2 - 27mm	A04309	3	1
3 - 31mm	A04310	3	1
4 - 34mm	A04311	3	1
5 - 37mm	A04312	3	1
6 - 40mm	A04313	3	1
Assorted	K00770	-	6

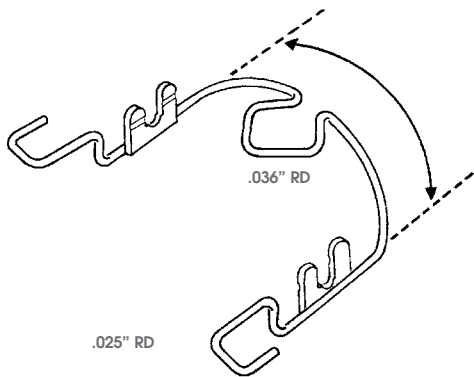


3D® Multi-Action Palatal Appliance

- Some clinicians have expressed a need for a less complex expansion appliance; this is the alternative to the Quad Helix
- Excellent for adult orthodontics
- Easy vertical placement and removal
- More than just a palatal arch
- A single FIXED/REMOVABLE alternative to multiple removable appliances
- Total maxillary arch expansion
- Selective cuspid and bicuspid expansion
- All major rotations, torquing and tipping

Size	Order Number	Package Contains	Kit Contains
1 - 32mm	A04320	3	1
2 - 36mm	A04321	3	1
3 - 40mm	A04322	3	1
4 - 44mm	A04323	3	1
5 - 50mm	A04324	3	1
6 - 56mm	A04325	3	1
Assorted	K00780	-	6





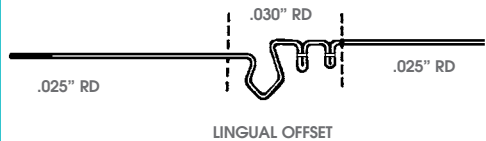
3D® Palatal Appliance

- Easy vertical placement
- Transpalatal arch
- Molar expansion or contraction
- High pull headgear control
- Molar rotation, torquing and tipping
- Molar expansion
- Palatal cusp intrusive action to offset extrusive action during high pull headgear usage

Size	Order Number	Package Contains	Kit Contains
1 - 32mm	A04330	3	1
2 - 36mm	A04331	3	1
3 - 40mm	A04332	3	1
4 - 44mm	A04333	3	1
5 - 50mm	A04334	3	1
6 - 56mm	A04335	3	1
Assorted	K00790	-	6

3D® Sectional

- Easy vertical placement and removal
- Impacted cuspid activator
- Simple expander
- Simple bicuspid space maintainer
- Simple bicuspid space regainer
- Cantilever resistor, molar tip-back resistor



	Order Number	Package Contains
Maxillary Right/Mandibular Left	A04345	5
Maxillary Left/Mandibular Right	A04346	5

3D® Adapter

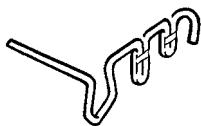
- Easy vertical placement and removal
- Simple space maintainer
- Mandibular molar tip-back resistor
- Maxillary molar tip-back resistor
- Cross elastic hook
- Simple expander



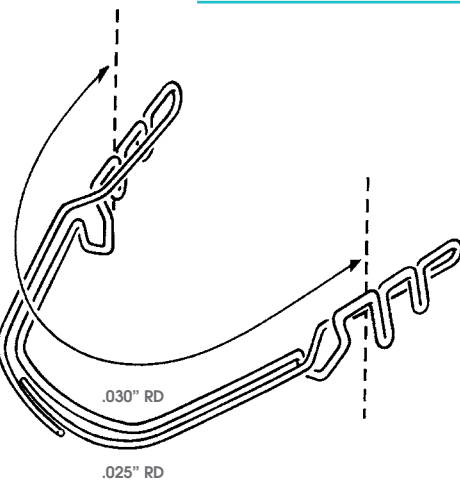
	Order Number	Package Contains
Maxillary Right/Mandibular Left	A04347	5
Maxillary Left/Mandibular Right	A04348	5

3D® Space Maintainer

- Easy vertical placement and removal
- Second bicuspid space regainer
- Temporary FIXED/REMOVABLE functional space maintainer/bridge



	Order Number	Package Contains
Maxillary Right/Mandibular Left	C00131	5
Maxillary Left/Mandibular Right	C00132	5



3D® Multi-Action Mandibular Appliance

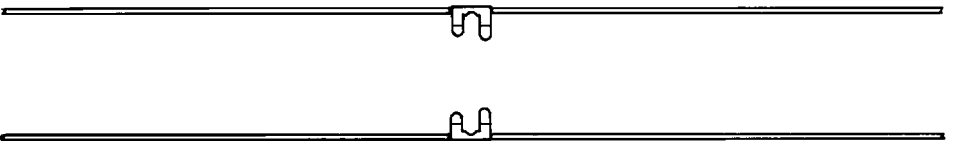
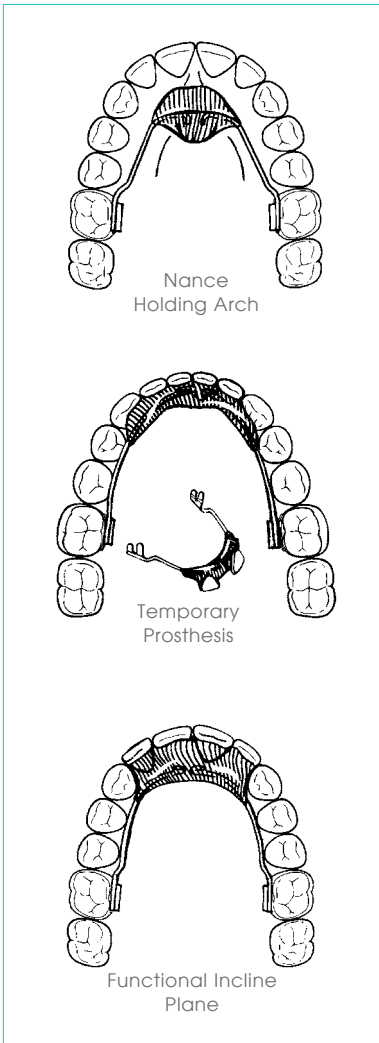
- Easy vertical placement and removal
- Solves many problems for those using Crozat-type appliances
- Arch expansion
- Selective expansion
- Incisor advancement
- Slight molar distalization (one side at a time)
- Lower molar rotation, torquing and tipping

Size	Order Number	Package Contains	Kit Contains
1 - 51mm	A04340	3	1
2 - 54mm	A04341	3	1
3 - 57mm	A04342	3	1
4 - 60mm	A04343	3	1
Assorted	K00795	-	4

3D® D.Y.S. Module

- The 3D D.Y.S. (Do-It-Yourself) Module (Wilson) provides a basic module from which a variety of individual upper and lower FIXED/REMOVABLES can be fabricated. One unit is for upper right and lower left. The other unit is for upper left and lower right. The 3D D.Y.S. Module is available in .036" and .040" TRU-CHROME Stainless Steel. All wire sizes are laser welded to the 3D Posts, which plug into the 3D Lingual Tubes. The many creative ways this 3D Module can be used in individualized FIXED/REMOVABLE appliance construction are limited only by one's imagination
- Easy vertical placement
- Universal lingual attachment
- Multiple FIXED/REMOVABLE laboratory fabricated appliances to suit numerous individual needs

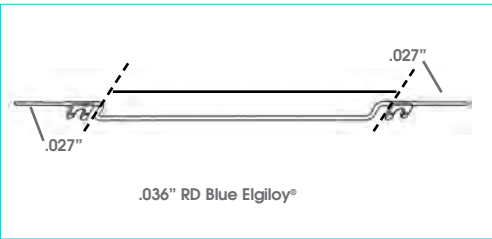
	Wire Size	Order Number	Package Contains
Maxillary Right/Mandibular Left	.036	A04350	5
Mandibular Right/Maxillary Left	.036	A04351	5
Maxillary Right/Mandibular Left	.040	A04352	5
Mandibular Right/Maxillary Left	.040	A04353	5



3D® Wilson®/Dillehay Lingual Arch – straight length

- .036" diameter Blue Elgiloy (not heat-treated)
- Laser-welded posts
- Step down bends for proper positioning at cingulum

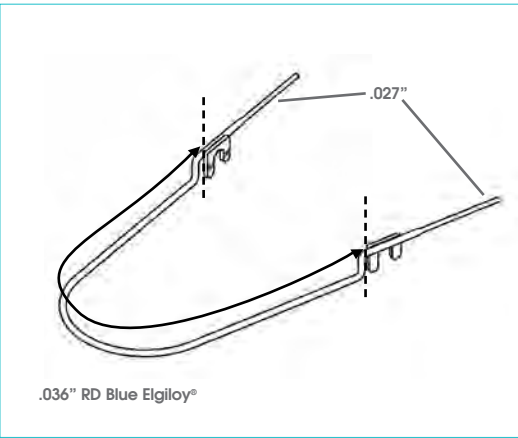
Size	Order Number	Package Contains
3 - 57mm	A04265	5
4 - 60mm	A04266	5
5 - 63mm	A04267	5
6 - 66mm	A04268	5
7 - 69mm	A04269	5
8 - 72mm	A04270	5
9 - 75mm	A04271	5
10 - 78mm	A04272	5



3D® Wilson®/Dillehay Preformed Lingual Arch – with distal extension

- .036" diameter Blue Elgiloy (not heat-treated)
- Easy vertical placement and removal
- Distal extension for molar uprighting

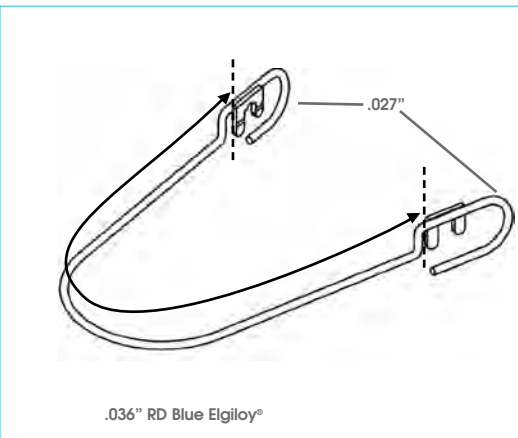
Size	Order Number	Package Contains
3 - 57mm	A04278	3
4 - 60mm	A04279	3
5 - 63mm	A04280	3
6 - 66mm	A04281	3
7 - 69mm	A04282	3
8 - 72mm	A04283	3
9 - 75mm	A04284	3
10 - 78mm	A04285	3



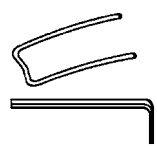
3D® Wilson®/Dillehay Preformed Lingual Arch – with distal bend

- .036" diameter Blue Elgiloy
- Easy vertical placement and removal
- Holding arch for extraction and non-extraction cases
- Lower molar rotation, torquing and tipping

Size	Order Number	Package Contains
3 - 57mm	A04252	3
4 - 60mm	A04253	3
5 - 63mm	A04254	3
6 - 66mm	A04255	3
7 - 69mm	A04256	3
8 - 72mm	A04257	3
9 - 75mm	A04258	3
10 - 78mm	A04259	3



functionaleducation®
SIMPLE SPACE MAINTAINERS/DENHOLTZ MUSCLE ANCHORAGE

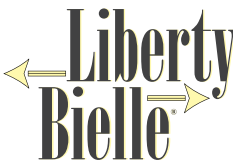
	Order Number	Package Contains
 after assembly	Space Maintainer Kit An introductory space maintainer assortment. A starter kit with bands and space maintainers for banding maxillary and mandibular 6-year molars. Bands are provided in the size range most frequently used. Space maintainers can be soldered to RMO bands.	K00005 34 preformed seamless universal bands, 1 each of sizes 11 through 27, Max. and Man., 10 open end maintainers, 10 occlusal bar-type maintainers
 after assembly	Open End Maintainer .040" (1.02mm) stainless steel Occlusal bar-type	 C00130 10 C00141 10
	3D® Space Maintainer and Space Regainer (Wilson®) Features: • Plugs into 3D Lingual Tube welded to molar band • Effective in permanent and mixed dentition • Positive space maintainer • Adjustable for rapid second bicuspid space regainer • Convertible to functional maintainer or temporary bridge by adding artificial tooth • Removable • Interchangeable with other 3D Modules for active treatment with no band changeovers	
Maxillary Right/Mandibular Left Maxillary Left/Mandibular Right	 C00131 C00132	5 5

	Muscle Anchorage Appliance (Denholtz) • Preformed stainless steel • .036" (0.914mm) arch wire • .045" (1.143mm) buccal tube recommended • Tissue compatible rubber shield with integrated coil spring • Utilizes light continuous forces of lip muscles • Helps regain lost space, minor uprighting, and develops lip musculature • Can be used as a lip bumper	
Maxillary Mandibular One each maxillary and mandibular	P00046 P00047 P00067	2 2 2

The Freedom of Movement...



Liberty Bielle® Fixed, the newest addition to the RMO® Functional Education® System, is a modern Herbst-type appliance. Its unique ball joint configurations allow it to rotate 360 degrees, which maximizes lateral movement, provides comfort and flexibility for the patient, and ensures treatment efficiency all while minimizing appliance breakage.





Kussick Orthopedic Inclines® Overview

The Kussick Orthopedic Incline is for the early correction of deep bites and deep bites with overjets. It achieves any or all of the following:

- It relocates the mandible forward in retrognathic cases
- It retracts the maxillary and bimaxillary protrusions as the mandible is relocated forward
- It brings about the formation of the labial anterior mandibular alveolar bone as it increases arch length
- The opening of the bite enables the buccal alveolar bone and the bicuspid of the mandible to rise and the maxillary arch to drop down. Thereby, the Curve of Spee is leveled and the vertical dimension is corrected

	Order Number	Package Contains
Kussick Orthopedic Inclines®	J00710	
The Kussick Orthopedic Incline package contents are:		
• Kussick Orthopedic Incline		1
• Appliance Case		1
• Instructions Patient/Clinician		1
Kussick Orthopedic Inclines® 5-Pak	J007105	
The Kussick Orthopedic Incline 5-Pak package contents are:		
• Kussick Orthopedic Incline		5
• Instructions – Patient		5
• Instructions – Clinician		1



Kussick Tongue Retrainer Overview

The Tongue Retrainer efficiently corrects and controls tongue thrusting, thumb sucking and lip habits. It functionally closes anterior open bites and reduces accompanying overjets. The Tongue Retrainer applies to all of the following treatment considerations:

- It retrains the tongue to stay in it’s biological position during swallowing
- It allows the upper anterior teeth and alveolar bone to be located downward and forward

	Order Number	Package Contains
Kussick Tongue Retrainer	J00730	
The Kussick Tongue Retrainer package contents are:		
• Kussick Tongue Retrainer		1
• Appliance Case		1
• Instructions		1
Kussick Tongue Retrainer 5-Pak	J007305	
The Kussick Tongue Retrainer 5-Pak package contents are:		
• Kussick Tongue Retrainer		5
• Instructions – Patient		5
• Instructions – Clinician		1

Mandibular prognathism exists in many children, and is often associated with maxillary insufficiencies.

Maxillary insufficiencies are conditions which embody maxillary brachygnathia, retrognathia and micrognathia; the causes of these disorders may be constitutional. However, according to Drs. Delaire and Verdon of France, most often the disorders (which are at the origin of a maxillary deficiency) are functional.

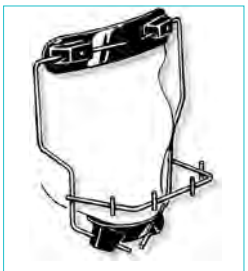
The Delaire Orthopedic Mask is an excellent appliance for intercepting and correcting diagnostically selected maxillary deficiencies of young patients. “Young” typically means from 3-1/2 to 4 years old or from the time when a double arch (lingual and labial) with bands can be used.



Orthopedic Face Mask (Delaire) Stainless Steel

- Excellent method for intercepting Class III cases caused by maxillary insufficiencies. Can modify orientation of the maxilla, in relation to the upper cranial implantation
- Can improve the growth of the anterior part of the maxilla
- Can cause mesial movement of the upper dento-alveolar arch, in relation to the maxillary base
- Can cause distal movement of lower dento-alveolar arch, in relation to mandibular base
- Heavy forces applied throughout treatment by elastics attached to anchorage points
- Made of .078” (1.98mm) wire and acrylic, set screws held in metal housing in acrylic parts. Vertical height adjustable to 13/16” (2cm)
- Elastics and wrench included

	Order Number	Package Contains
Standard size	J00410	1
Large size	J00411	1
Replacement elastics, 1/4”, 32 oz.	J01182	2,000 approx.



INTRAORALEXTRAORAL



table of contents

- Elastics
- Elastomeric Products
- Ortho-Jel® Alginate/ Impression Trays
- Facebow/ Headgears
- My T Guard® Mouthguard



intraoralextraoral

RMO® offers a complete range of intraoral elastics and elastomeric ligatures. Intraoral elastics (Energy Pak™ Elastics & Bulk Elastics) are latex containing products whose diameter and force delivered are identified by transportation icons, as well as part numbers. RMO®’s other elastomeric products do not contain latex. Elastomeric ligatures are produced in several configurations, single case sticks, canes, etc., to give offices options for convenience.

Energy Chain™ is a uniquely formulated orthodontic chain and exclusive RMO®. Energy chain consistently shows the least force degradation over time compared to all other brands in multiple independent university studies. Ortho-Jel® is a chromatic changing alginate which helps an assistant to know when setting occurs.

Due to strong market requests, RMO® is once again producing aluminum impression trays in vibrant colors. The trays are reusable, can be sterilized, and can be adapted to an individual patient by bending; this is not possible for stainless steel or plastic trays. RMO® has developed and manufactured systems with input from Dr. Ricketts over a period of 50 years. Some of the products that have emerged from this collaboration are Penta-Form™ Loop-Style Facebows and lip bumpers. Spring-Gear® is a unique cervical headgear that contains NiTi springs for consistent force delivery regardless of patient head movements, and is comfortable enough to wear overnight. My T Guard is a patented 3-layer injection molded mouth guard that a wearer cannot bite through. It is extremely cost effective since it can be adapted in a 1-appointment office visit – no lab bill or patient recall to deliver an appliance. Unlike custom mouth guards, My T Guard can be adapted many times to a changing dentition (after all, teeth are moving during treatment); it has been shown to reduce possibilities of concussions because its design dissipates impact forces laterally to the rear of the jaw rather than vertically.

intraoralextraoral

ENERGY PAK™ ELASTICS

- Superior quality, pure latex (contains natural rubber latex which may cause allergic reactions). Neon elastics are offered latex-free.
 - Precision cut provides consistent forces
 - Three types available: general purpose, cuspid-to-cuspid, and extra oral
 - Wide size selection permits precise degree of control
- Packaged in illustrated zip-lock bags for dispensing convenience- (approx. 2,000 elastics)
 - J01100-J01144, J01400-J01409: 100 elastics per bag; 20 bags to each package
 - J01156-J01185: 50 elastics per bag; 40 bags to each package
 - J01400-J01411: 100 elastics per bag; 50 bags per box
 - Excellent resistance to fluid absorption



General Purpose						Cuspid to Cuspid	
Light 57 gm (2 oz.)	parachute J-01100	hang glider J-01101	balloon J-01102	dirigible J-01103	helicopter J-01104	skating J-01156	snow shoeing J-01157
Medium 85 gm (3 oz.)	motor home J-01111	truck J-01112	train J-01113	monorail J-01114			
Heavy 99 gm (3.5 oz.)	surfboard J-01120	canoe J-01121	sailboat J-01122	speedboat J-01123	submarine J-01124	toboggan J-01166	snow skiing J-01167
Heavy Plus 128 gm (4.5 oz.)	motorcycle J-01131	race car J-01132	car J-01133	snowmobile J-01134			
Extra Heavy 142 gm (5 oz.)	jump rope J-01140	skate board J-01141	unicycle J-01142	bicycle J-01143	jogging J-01144		
Extraoral Light 454 gm (16 oz.)	bus J-01171	ocean liner J-01172	jumbo jet J-01173	spaceship J-01174	rocket J-01175	Note on Extraoral: To achieve ounce pull, two elastics must be used.	
Heavy 908 gm (32 oz.)	rickshaw J-01181	horse J-01182	chariot J-01183	covered wagon J-01184	stage coach J-01185		
General Purpose Assorted Neon-Latex Free Neon 99 gm (3.5 oz.)	convertible J-01400	roller skate J-01401	moped J-01402	jet ski J-01403			
Neon 128 gm (4.5 oz.)	taxi J-01404	snowboard J-01405	van J-01406	walking J-01407			
Neon 170 gm (6.0 oz.)	scooter J-01408	bobsled J-01409	police J-01410	paddle board J-01411			

intraoralextraoral

BULK ELASTICS, ENERGY CHAIN™

Bulk Elastics

- Finest quality latex surgical tubing (contains natural rubber latex which may cause allergic reactions)
- Top performance, fatigue life and force reliability
- Uniform precision cut for size and dimension
- May be used as separating elastics prior to band fitting

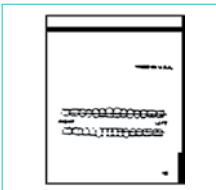
Size		Medium	Heavy	Package Contains
Inch	(mm)			
1/8"	(3.18)	J00129		approx. 2,000
3/16"	(4.76)	J00130		approx. 2,000
1/4"	(6.35)	J00131	J00134	approx. 2,000
5/16"	(7.94)	J00132	J00135	approx. 2,000



Plastic Pocket Containers

- Zippered polyethylene bag
- Elastic placement diagram on package
- Convenient pocket-size dispenser

Order Number	Package Contains
J00092	100

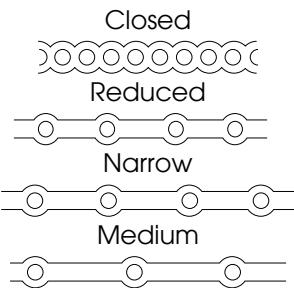


Energy Chain™ Elastics

- Latex-Free
- Tough and tasteless, non-toxic, non-staining, more consistent force delivery
- Easy-handling dispensing spools
- Spacing variation between modules allows proper selection, retraction, ligating, maxillary/mandibular/interarch application, etc.
- Available in clear, gray and an assortment of popular colors
- Package of one spool contains seven feet, six inches (2.3m)

	Clear	Gray	Blue	Green	Red	Purple	Package Contains
Closed	J00120	J00166	J00223	J00227	J00231	J00235	1 spool
Reduced	J00269	J00270	J00271	J00272	J00273	J00274	1 spool
Narrow	J00121	J00167	J00224	J00228	J00232	J00236	1 spool
Medium	J00122	J00168					1 spool

	Orange	Porsche Red	Black	Light Pink	Yellow	Package Contains
Closed	J00239	J00261	J00263	J00265	J00267	1 spool
Reduced	J00275	J00276	J00277	J00278	J00279	1 spool
Narrow	J00240	J00262	J00264	J00266	J00268	1 spool



Energy Chain™ Dispenser

- Organize the various colors and sizes of the Energy Chain spools
- Tinted plastic with a removable crossbar rod and sliding lid
- The Energy Chain is simply inserted through the 10 holes on the front portion of the dispenser box
- 3.25"H x 5"W x 3"D

Order Number	Package Contains
J00600	1 Dispenser





Ligatures and Separators

- Convenient dispensing
- Strong, tasteless, maintains retention

	Gray	Clear	Color	Package Contains
Ligature “S” Shaped Dispenser .123” (3.12mm) outside diameter (10 dispensers)	J00156	J00154		1,000
Synergy® Low-Friction Ligatures • Silicone injected • Reduced friction • Good stain resistance • Low profile .123” (3.12mm) outside diameter (10 dispensers)			J00151 /white opaque	1,000
Mini Single Case Ligature Stick .121” (3.07mm) outside diameter 100 sticks (10 ligatures per stick)	J00350	J00345	J00337/pearl J00338/pearl blue J00339/pearl green J00340/fluorescent yellow J00341/fluorescent pink J00342/fluorescent green J00343/fire engine red J00344/orchid J00346/smoke J00347/sky blue J00348/orange J00349/navy blue J00351/blue J00352/azure J00353/dark green J00354/green J00355/red J00356/light pink J00357/fuschia J00358/gold J00359/silver J00360/white J00361/black	1,000



Mini Stick Colored Ligature Kit

Each kit contains 22 colors, excluding pearl colors, (plus double quantities of gray and clear) with each compartment containing 1,000 ligatures. The lid contains a transparency which shows each part number, color, and position. Also included is a laminated color wheel which shows the 22 different colors allowing patients to choose their color chairside without touching the ligatures.



	Order Number	Package Contains
	K00340	24,000 ligatures
24 Compartment Box	J00780	1

Ligatures and Separators

- Convenient dispensing
- Strong, tasteless, maintains retention

	Gray	Clear	Color	Package Contains
Separator Sticks .191” (4.85mm) outside diameter (100 sticks)			J00177 /blue J01451 /radio opaque	1,000
Separators Cut .170” (4.32mm) outside diameter			J00178 /blue J01450 /radio opaque	1,000 (approx.)
Single Case Ligature Stick .123” (3.12mm) outside diameter 45 sticks (22 ligatures per stick)	J00221	J00220		990
Ligature Ringlets on Rings .123” (3.12mm) outside diameter (10 rings)	J00175	J00176		1,000



Elastomeric Ligatures

- Preloaded cane dispensers
- Easily engages under tie wings
- Retains resiliency over long periods of time
- Resists fluid absorption and odor

	Gray	Clear	Package Contains
Ligature Canes – .110” (2.79 mm) 20 canes of one color	J00182	J00184	1,000
Ligature Canes – .120” (3.05 mm) 20 canes of one color	J00183	J00185	1,000



Elastomeric Rotation Wedges

- Produces rotational force by snapping perforated tab over tie wings of bracket, inserting arch wire in groove of wedge and ligating opposite tie wings of bracket to arch wire
- Wedge acts as fulcrum between bracket and arch wire
- Gray color

	Gray	Package Contains
	J00174	50 (5 sticks)



intraoralextraoral

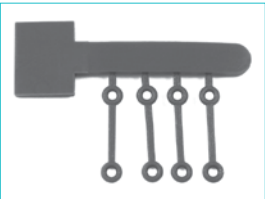
ELASTIC THREAD/ELASTOMERIC MODULES/
LIGATURES



Round and Square Elastomeric Elastic Tie Thread

- Consistent resiliency and knot retention
- Resists stain, odors, moisture resorption
- Good elastic memory
- Handles rotation, retractions, lingual ties, etc.
- Colors blend with appliances

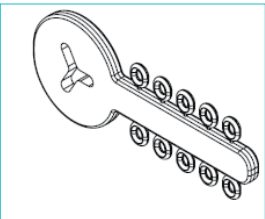
	Gray	Clear	Package Contains
.025" (0.635mm), 25 ft.	J00387	J00386	1 spool
.030" (0.762mm), 25 ft.	J00389	J00388	1 spool
.018" x .018" (0.457mm x 0.457mm), 50 ft.	J00191	J00180	1 spool
.026" x .026" (0.660mm x 0.660mm), 50 ft.	J00192	J00181	1 spool



Elastomeric Modules

- Ligature ties with connecting bridges to close intra arch space
- Use to rotate individual teeth and connecting hooks
- Provides continuous gentle forces

	Size Module to Module	Gray	Clear	Package Contains
.276"	7mm	J00331	J00330	100
.394"	10mm	J00333	J00332	100



Synergy® Oval Ligature

- Designed for the ceramic Synergy LUX® brackets
- Thinner and has a smaller overall outside dimension while maintaining the inside dimension compared to the standard ligatures
- 10 ligatures per stick

	Pearl	Gray	Clear	Package Contains
J00161	J00163	J00162		100 sticks or 1000 ligatures

Patient Relief Wax

- Wax is used for relief from appliance irritation
- Each box contains 50 individual wax boxes for patients
- Sparkle Multi Pack (Orange, Pink, Blue, and Green)

Sparkle Multi Pack	J00550	50/box
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Ortho-Jel® Alginate

- Heavy body: Type I alginate
- 30 second setting time
- Creamy consistency provides excellent detail
- Pleasant vanilla flavor
- "3-Color-Signalling" mixing feature: mix with water, turns violet; turns pink, load tray; turns white, insert into mouth
- 6-year shelf life

	Order Number	Package Contains
Ortho-Jel® is non-returnable	J00250	2-450 gram bags
	J00251	24-450 gram bags



RMO® Disposable Impression Trays

- Designed specifically for orthodontic use
- Made from reinforced disposable plastic is a rigid, high-impact, FDA-approved styrene
- Features smooth, rounded edges, anterior retention slots and vertical perforations for enhanced material retention
- Are anatomically correct with a palatal ridge for optimum fit and greater patient comfort
- Ideal for use with RMO Ortho-Jel Alginate or any other impression material

Size	Order Number Maxillary	Order Number Mandibular	Order Number	Package Contains
Small (Blue)	J01233	J01243		10
Medium (Green)	J01234	J01244		10
Large (Yellow)	J01235	J01245		10
Assortment, Max/Man (5 of each size)			K00455	30 trays





RMO® Aluminum Impression Trays

- Easily bendable for a custom fit
- Smooth edges for optimal patient comfort
- Adaptable to fit all patients

Maxillary	Size	Dimensions (width x depth)	Color	Order Number Maxillary	Package Contains
	1	57mm x 48mm	Pink	J00304	1
	2	62mm x 54mm	Blue	J00305	1
	3	68mm x 60mm	Red	J00306	1
	4	75mm x 65mm	Gold	J00307	1
	5	84mm x 70mm	Violet	J00308	1

Mandibular	Size	Dimensions (width x depth)	Color	Order Number Mandibular	Package Contains
	1	62mm x 44mm	Pink	J00364	1
	2	70mm x 48mm	Blue	J00365	1
	3	75mm x 50mm	Red	J00366	1
	4	82mm x 53mm	Gold	J00367	1
	5	87mm x 55mm	Violet	J00368	1

Kit	Order Number	Package Contains
	K00566	assortment of 10, one of each maxillary and mandibular sizes



Impression Tray Container

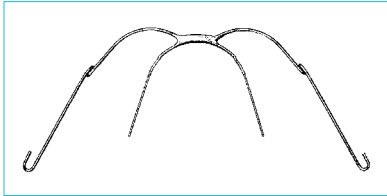
- Vertical stainless steel tower is designed to hold up to eight trays
- Tower can be used to store sterile trays, hold an impression or hold a poured stone model
- When used with the storage case, it holds trays in high humidity environment for less distortion before pouring the model
- Helps prevent crack formation

	Order Number	Package Contains
Tray Humidity/Storage Case	J00371	1
Humidity/Storage Kit with Trays Includes components: K00566	K01566	(Kit)

Facebow (Ricketts®)

- Flexible, permits natural expansion
- Outer bow loop provides vertical auxiliary control
- Laser welded and brazed into a strong single unit

	Order Number	Package Contains
Non-extraction/Large Arch	J00400	1
Extraction/Small Arch	J00401	1



Penta-Form™ Loop-Style Facebow – Stainless Steel

- 5 sizes of inner bow; length in millimeters is measured from distal end of loop along inner arch to distal end of opposite loop
- .071" made entirely of biomedical spring stainless steel wire outer bow
- .045" inner bow
- Comfortable, avoids frontal cheek area
- Laser welded joint for enhanced strength and reliability
- Marked with size and midline indication
- Bright electric-polishing for maximum hygiene

Size	Order Number	Package Contains
1 83mm	J01290	1
2 90mm	J01291	1
3 97mm	J01292	1
4 104mm	J01293	1
5 111mm	J01294	1
Universal Full Form	J01297	1



Lip Bumper (Ricketts®) Stainless Steel (with Lateral Setback)

	Order Number	Package Contains
Large	P00100	5
Small	P00101	5





The patented Spring-Gear is comfortable, safe headgear which continues to exert equal forces on the dentition, regardless of which head movements are made. The Spring-Gear was developed and comprehensively tested in orthodontic practices and patented worldwide. Comfort, freedom of movement, safety and, of course, effectiveness were the principles adopted during development.

Applied Force

Because a nickel-titanium spring is used to develop the force, it is maintained at the level set by the clinician until he/she changes it.

Comfort

The flexible, transparent Spring-Gear tube adapts to fit every neck size. The soft, blue neck cushion on the interior is washable and can be replaced by a new one if required.



Safety

A simple, but effective, system ensures that the snap-way attachments detach from the face bow, if excessive force is applied. Ingenious design and choice of material guarantees that the releasing force remains constant throughout treatment.

Equal Forces

A virtually friction-free nickel-titanium spring ensures that the forces exerted on the dentition scarcely change regardless of the direction in which the patient moves his/her head.

A study by the Netherlands Organization for Applied Scientific Research showed the forces on the 1st molars did not change when the head moved with patients wearing Spring-Gear cervical headgear. This is a problem with conventional headgear in that the forces on the 1st molars change with each movement of the head. This is because the headgear does not slide around the neck like it does with Spring-Gear.

Fitting the Spring-Gear to the individual patient is very simple. Sliding the snap-way attachments along the strap enables the nickel-titanium spring to be extended to the point where ideal strength is reached.

	Order Number	Package Contains
Spring-Gear®	J00521	1 Spring-Gear/1 Neck Pad
Replacement Neck Pads	J00525	10



Safety Headgear System reduces the potential hazard of slingshot rebounds of headgear. If the facebow is pulled with excessive force, clips holding the spring release modules disconnect automatically and disengage the facebow. Reassembly after release is easy for the patient.

The system is available with cervical traction pads, high-pull head straps and bilateral two-part safety release modules. Steel coil springs are incorporated in modules to provide constant traction force. When contracted, springs are calibrated to produce medium and heavy forces. Facebow attachment straps are color-coded to easily identify force levels. Neckpads and head straps are in denim fabric.

	Order Number	Package Contains
Cervical Neckpad with 2 Modules		
Medium (14 oz.) white straps	J00390	1
Heavy (18 oz.) gray straps	J00391	1
High-Pull Head Strap with 2 Modules		
Medium (14 oz.) white straps	J00392	1
Heavy (18 oz.) gray straps	J00393	1
Neckpad	J00394	1
High-Pull Head strap	J00395	1
Modules Medium (14 oz.) white straps	J00396	2
Modules Heavy (18 oz.) gray straps	J00397	2



intraoralextraoral
MY T GUARD®



The Ultimate in Mouthguard Protection

RMO's My T Guard® is made of a special material that exactly molds to your patient's individual teeth including braces. Even as teeth move during orthodontic treatment, the My T Guard can be refitted to accommodate change. My T Guard is a dental device designed to absorb and dissipate severe blows to the mouth area. The research and testing utilized in its development are far superior to industry standards.

If a blow to the face occurs, My T Guard allows severe impact forces to be immediately dampened and directed away from teeth and delicate facial bones, including the TMJ. This dampening and redirecting of the impact forces help to prevent concussion-causing vibrations from penetrating the nasal cavity, brain and head. My T Guard also serves to reduce trauma to the lips, tongue, cheeks and gum tissue.

Further enhancing its protective capabilities is the fact that it is the only mouthguard capable of taking a full upper and lower dental impression. No other mouthguard comes close to protecting your patient as well as the My T Guard mouthguard.



	Order Number	Package Contains
Dark Blue	J00541	1
Black	J00542	1
Yellow	J00543	1



As good as it gets...

Move teeth rapidly and efficiently with RMO®'s Energy Chain™

RMO®'s Energy Chain™ is the proven leader among all brands of elastic chain. Numerous universities and clinical researchers have shown that RMO®'s Energy Chain™ outperforms virtually all other elastic chains available.



Energy Chain™ is made from a tough elastic material that is stain resistant, tasteless, and delivers a uniform continuous force over significantly longer periods of time in comparison to most other elastic chains.



Energy Chain™



BANDS



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- Maxillary First Molar Right and Left
- Mandibular First Molar Right and Left
- Maxillary First Molar Universal
- Mandibular First Molar Universal
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- Maxillary First and Second Bicuspid
- Mandibular First and Second Bicuspid
- Dispensing and Storage Systems
- Preweld Auxiliaries
- Lingual Tubes
- Preweld Position Guide

The Proper PREformed BAND

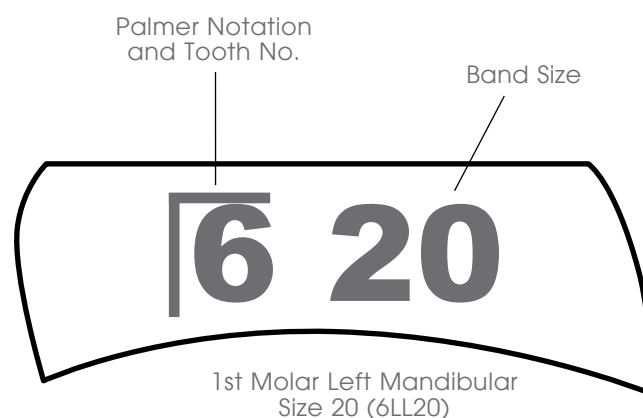
Orthodontic bands have been basic to the progress of orthodontics since the beginning of this science. Techniques have changed and materials have improved; moving from precious metals, to stainless steel preformed orthodontic bands developed first by Rocky Mountain Orthodontics® (RMO®).

While prefabrication had been tried before, the application of stainless steel made it possible to provide greater edge strength, improved fitting qualities, and more aesthetically pleasing appliances. The breakthrough in reduced manufacturing procedures of bands stemmed from original RMO® engineering and clinical testing that made it possible to cut operating time by more than 75 percent.

- Superior Temper - All RMO® TruForm bands are stress relieved, resulting in a consistent and reliable temper for quick and accurate adaptation to the anatomy of the tooth every time.
- Ideal Contour - The shape of TruForm bands is established by clinical use. The occlusal edge is slightly rolled to enhance fitting and prevent cement ridge build-up. TruForm bands are properly fit accurately the morphology of the tooth anatomy.
- RMO® TruForm molar bands are available in 36 sizes.



RMO® Molar Band Marking Specifications



Palmer notation symbols molar bands



RMO® Molar Band Marking Specifications and Features



bands

TRUFORM BANDS
MAXILLARY FIRST MOLAR RIGHT AND LEFT

- Anatomical design – right and left shape for precise and comfortable fitting
- Size identification and Palmer notation are permanently marked to withstand heat sterilization
- Accurate sizes – proportionately graduated sizes for use on primary molars and first permanent molars
- Dimensional strength remains stable without deformation during trial fitting
- Withstands mastication and external appliance stress



Primary Second Molar and First Permanent Molar, Equal Number of Rights and Lefts																																				Total		
Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Kit Contains	4	4	4	4	4	4	4	4	4	4	4	4	6	6	8	10	12	12	12	12	10	8	8	8	6	6	6	4	4	4	4	4	4	4	4	4	4	214
Introductory Kit Order Number	K00518																																					

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	100
Mini Kit Order Number	K00144																																				



First Permanent Only, Equal Number of Rights and Lefts																																				Total
Band Size	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36										
Kit Contains	4	6	6	8	8	10	12	12	12	12	10	10	8	8	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	180			
Introductory Kit Order Number	K00520																																			

Band Size	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28																												
Kit Contains	2 2 2 4 4 4 6 8 10 10 10 10 8 6 6 4 2 2																												100
Mini Kit Order Number	K00158																												

bands

TRUFORM BANDS
MANDIBULAR FIRST MOLAR RIGHT AND LEFT

- Anatomical design – right and left shape for precise and comfortable fitting
- Size identification and Palmer notation are permanently marked to withstand heat sterilization
- Anatomically shaped – design conforms to buccal/lingual inclination and adapts accurately to the morphology of the tooth anatomy
- Accurate sizes – proportionately graduated sizes for use on primary molars and first permanent molars
- Dimensional strength remains stable without deformation during trial fitting
- Withstands mastication and external appliance stress

Primary Second Molar and First Permanent Molar, Equal Number of Rights and Lefts																																				Total	
Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Kit Contains	4	4	4	4	4	4	4	4	4	4	6	8	8	10	12	12	12	12	10	8	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	218
Introductory Kit Order Number																K00558																					

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	100
Mini Kit Order Number	K00145																																				

First Permanent Only, Equal Number of Rights and Lefts																																				Total																											
Band Size																																				12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
Kit Contains																																				8	8	10	12	12	12	12	12	12	8	8	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	176
Introductory Kit Order Number																																				K00560																											

Band Size	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28											
Kit Contains	2	2	2	4	4	4	6	8	10	10	10	10	8	6	6	4	2	2											100
Mini Kit Order Number	K00159																												



BANDS





- Universally shaped – functional fit with complete adaptation to tooth anatomy
- Size identification and Palmer notation are permanently marked to withstand heat sterilization
- Accurate sizes – proportionately graduated sizes for use on primary molars and first permanent molars
- Buccal groove for orientation to tooth anatomy
- Dimensional strength remains stable without deformation during trial fitting
- Withstands mastication and external appliance stress

Primary Second Molar and First Permanent Molar

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	3	3	3	3	4	4	5	7	8	9	9	9	9	8	7	6	6	5	5	4	4	3	3	2	2	2	2	2	2	153
Introductory Kit Order Number	K00510																																				

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	6	6	6	6	5	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	107

Mini Kit Order Number K00050

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	100

Universal Pedo Band Kit Order Number K00146

Primary Second Molar and First Permanent Molar, packaged for Equal Number of Rights and Lefts for Tube/Bracket Placement

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	4	4	4	4	4	4	4	4	4	4	4	4	6	6	8	10	12	12	12	12	10	8	8	8	6	6	6	4	4	4	4	4	4	4	4	4	214
Introductory Kit Order Number	K00512																																				

First Permanent Only

Band Size	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total	
Kit Contains	4	5	6	7	8	10	10	10	9	8	7	6	6	6	5	4	4	4	3	2	2	2	2	2	2	134	
Introductory Kit Order Number	K00514																										

Band Size	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Kit Contains	2	2	2	4	4	4	6	7	10	10	10	10	8	6	6	4	2	2	100

Mini Kit Order Number K00148

First Permanent Only, packaged for Equal Number of Rights and Lefts for Tube/Bracket Placement

Band Size	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total	
Kit Contains	6	6	8	8	10	12	12	12	12	10	10	8	8	8	6	6	6	4	4	4	4	4	4	4	4	180	
Introductory Kit Order Number	K00516																										

- Universally shaped – functional fit with complete adaptation to tooth anatomy
- Size identification and Palmer notation are permanently marked to withstand heat sterilization
- Accurate sizes – proportionately graduated sizes for use on primary molars and first permanent molars
- Lingual groove for orientation to tooth anatomy
- Developed through years of RMO® band manufacturing
- Dimensional strength remains stable without deformation during trial fitting
- Withstands mastication and external appliance stress

Primary Second Molar and First Permanent Molar

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	3	4	5	6	7	8	9	9	9	9	8	7	5	5	4	4	3	3	2	2	2	2	2	2	2	2	2	2	151
Introductory Kit Order Number	K00550																																				

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	2	2	2	3	4	4	5	6	6	6	6	5	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	109

Mini Kit Order Number K00051

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	100

Universal Pedo Band Kit Order Number K00147

Primary Second Molar and First Permanent Molar, packaged for Equal Number of Rights and Lefts for Tube/Bracket Placement

Band Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	4	4	4	4	4	4	4	4	4	4	6	8	8	10	12	12	12	12	10	8	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	218	
Introductory Kit Order Number	K00552																																				

First Permanent Only

Band Size	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	6	7	8	10	10	10	10	10	9	7	6	5	4	4	4	3	3	2	2	2	2	2	2	2	2	132

Introductory Kit Order Number K00554

Band Size	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total
Kit Contains	2	2	2	4	4	4	6	8	10	10	10	10	8	6	6	4	2	2	100

Mini Kit Order Number K00149

First Permanent Only, packaged for Equal Number of Rights and Lefts for Tube/Bracket Placement

Band Size	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Total
Kit Contains	8	8	10	12	12	12	12	12	8	8	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	176
Introductory Kit Order Number	K00556																									



bands

TRUFORM BANDS
MAXILLARY/MANDIBULAR SECOND MOLAR RIGHT AND LEFT

- Anatomical right and left shape with pre-positioned buccal groove provides positive retention with minimum effort and adaptation
- Size identification and Palmer notation are permanently marked to withstand heat sterilization
- Anatomically shaped – design conforms to buccal/lingual inclination and adapts to morphology of the tooth anatomy
- Dimensional strength remains stable without deformation during trial fitting
- Withstands mastication and external appliance stress
- Full complement of sizes (26 sizes)



Maxillary Second Molar, packaged for Equal Number of Rights and Lefts																																Total
Band Size	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32						
Kit Contains	4	4	4	4	4	6	6	8	8	10	12	12	12	12	10	8	8	8	8	6	6	4	4	4	4	4	180					
Introductory Kit Order Number	K00522																															



Mandibular Second Molar, packaged for Equal Number of Rights and Lefts																														Total
Band Size	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
Kit Contains	4	4	4	4	6	8	8	10	12	12	12	12	10	8	6	6	6	6	4	4	4	4	4	4	4	4	178			
Introductory Kit Order Number	K00564																													



bands

TRUFORM BANDS
MAXILLARY FIRST AND SECOND BICUSPID

- Universally shaped – functional fit with complete adaptation to tooth anatomy; gingival contour eliminates tissue impingement
- Full complement of sizes – choice of correct size for maximum retention at desired position
- Size identification – color-coded black with letter for size selections and maxillary identification
- RMO®-engineered ductility and precise form adapts to the tooth contours with secure retention

Universal Bracket Placement																	Total
Band Size	G	G+	H	H+	I	I+	J	J+	K	K+	L	L+	M	M+	N	N+	
Kit Contains	2	3	4	5	7	10	13	16	17	15	13	10	7	4	3	2	131
Introductory Kit Order Number	K00329																



Packaged for Equal Number of Rights and Lefts for Bracket Placement																	Total
Band Size	G	G+	H	H+	I	I+	J	J+	K	K+	L	L+	M	M+	N	N+	
Kit Contains	4	4	6	8	10	12	16	20	22	18	16	12	8	6	4	4	170
Introductory Kit Order Number	K00330																

BANDS

bands

TRUFORM BANDS
MANDIBULAR FIRST AND SECOND BICUSPID



- Universally shaped – functional fit with complete adaptation to tooth anatomy
- Correct band width – secure anchorage is provided without gingival extension
- Full complement of sizes – choice of correct size for maximum retention at desired position
- Size identification – color-coded red with letter for size selections and mandibular identification
- RMO-engineered ductility and precise form adapts to the tooth contours with secure retention

Mandibular First Bicuspid, Universal Bracket Placement

Band Size	F	F+	G	G+	H	H+	I	I+	J	J+	K	K+	L	L+	M	M+	Total
Kit Contains	2	3	6	8	9	11	12	13	10	7	5	3	2	2	2	2	97
Introductory Kit Order Number	K00331																

Mandibular First Bicuspid, packaged for Equal Number of Rights and Lefts for Bracket Placement

Band Size	F	F+	G	G+	H	H+	I	I+	J	J+	K	K+	L	L+	M	M+	Total
Kit Contains	4	4	8	10	12	14	16	16	14	10	6	4	4	4	4	4	134
Introductory Kit Order Number	K00332																



- Apron contoured tightly to buccal surface and adapts smoothly with mesial and distal angles
- Size Identification - color-coded red with number for size selections and mandibular identification

Mandibular Second Bicuspid, Universal Bracket Placement

Band Size	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Total
Kit Contains	2	2	2	3	4	4	4	4	5	6	7	8	9	9	9	8	7	6	5	4	3	2	2	2	2	2	2	123
Introductory Kit Order Number	K00333																											

Mandibular Second Bicuspid, packaged for Equal Number of Rights and Lefts for Bracket Placement

Band Size	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Total
Kit Contains	4	4	4	4	6	6	6	6	6	8	8	10	12	12	10	10	8	6	6	4	4	4	4	4	4	4	4	176
Introductory Kit Order Number	K00334																											

bands

DISPENSING AND STORAGE SYSTEMS

Band Trays

RMO® offers a complete band storage and chairside dispensing system which fits with the permanent marking system. These versatile, space-saving series of storage and dispensing units are capable of holding all RMO bicuspid and molar bands.



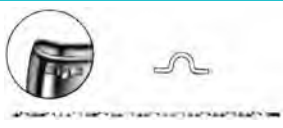
Inventory Organization

Each of the formed compartments in the trays vary in size to accommodate greater quantities of the most commonly used sizes.

Versatile

Each printed tray format includes a formed tray and a clear, locking lid. Each tray includes a label that indicates type of band, maxillary, or mandibular.

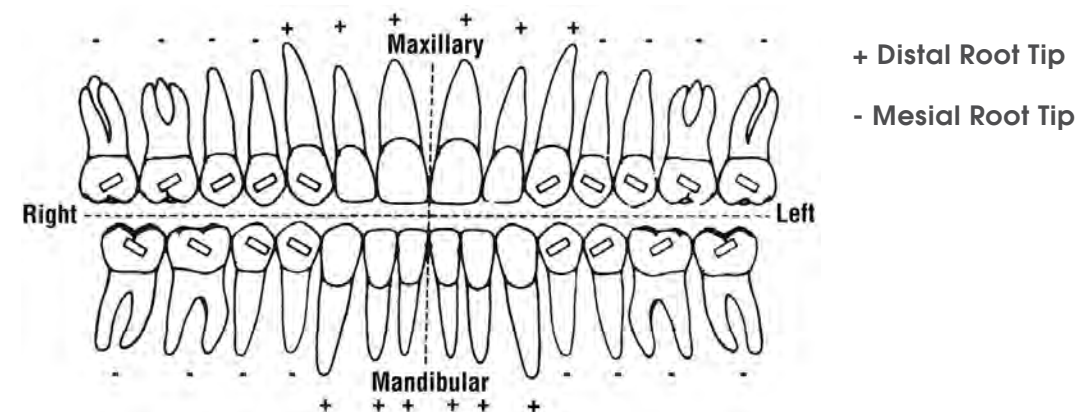
	Order Number	Package Contains
Molar Band Tray (Tray label indicates all of these options)		
Max 1st Molar Universal	J00750	1 tray
Max 1st/2nd Molar Right		
Max 1st/2nd Molar Left		
Man 1st Molar Universal		
Man 1st/2nd Molar Right		
Man 1st/2nd Molar Left		
Bicuspid Band Tray		
Maxillary 1st/2nd Bicuspid/	J00770	1 tray
Mandibular 1st Bicuspid	J00771	1 tray
Mandibular 2nd Bicuspid		

	Order Number	Package Contains
	Band Seating Lug - Used to seat preformed bands - Furnished in 10-lug strips for easy welding to lingual	
	Bicuspid	A00718 100
	Molar	A00719 100
	Lug/Cleat (Debnam) - Used as band seating lug and mesial-distal elastic hook - Hook is bent out from band surface to engage elastics	
	Bicuspid	A00476 approx. 100
	Molar	A00720 approx. 100
	Eyelets Large, accepts wire and small diameter ligature thread	
		A00039 100
	Lingual Hook Flat weldable base with smooth ball end for placement on molars	
		A00297 10
	Lingual Button - Exclusive round design allows for placement anywhere on band with minimum protrusion - Can be used as a combination hook/band seating lug - Ultra-smooth finish for improved patient comfort - Easily welded to stainless steel bands	
		A00047 10
	Seating Lug/Hook Serves as lingual hook or molar hook for cross elastics and as a band seating/removing lug for anteriors	
	Bicuspid Molar Base	A00767 100

	Order Number	Package Contains
	Wilson® 3D® Lingual Tube Designed to accept Lingual 3D FIXED/REMOVABLE Modular Orthodontics (Wilson) appliances.	
	Tube without hook	A04315 10
	Tube with gingival hook	A04314 10
	Gaston-type single vertical lingual tube For .036 Ellis prefabricated lingual arches	
		A00178 10
	Ellis-type lingual tube with locking knob For .036 Ellis prefabricated lingual arches	
		A00173 10
	Lingual tube for hand formed lingual arches For “D-shape” precious metal soldered posts (RMO does not stock lingual posts)	
		A00190 10
	Solderable lingual post Use only with the lingual tubes A00173 and A00178	
	For .036 lingual arch wire	A00236 10
	Horizontal Lingual Tube	
	For .036 wire	A00148 10
	Horizontal Lingual Tube With distal retention notch	
	For .036 wire	A00149 10
	Horizontal Lingual Tube With occlusal welding flange	
	For .036 wire	A00186 10

Angulation Guide

Orders for angulated attachments will be positioned and angled per the standard technique of the specific attachment, unless otherwise specified.



Position Guide

The weld positions illustrated are standard and will vary according to the specific attachment and technique. Weld positions are subject to change as new techniques introduce new variations. RMO proudly offers the flexibility of custom placement assemblies for all prewelds per customer specification. Please allow additional fabrication time for all custom placement assemblies.

Bicuspid

Placement	Maxillary/Mandibular 1st Edgewise Bracket	Mandibular 2nd Edgewise Bracket	Light Wire Bracket	Seating Lug/Hook	Lingual Button	Lingual Lug/Cleat
Mesial-Distal	Centered	Centered	Centered	Centered	Centered	Centered
Occlusal-Gingival	Centered	Offset to Occlusal	Edge of bracket even with gingival edge of band	Offset to Occlusal	Centered	Offset to Occlusal

Maxillary Molar

Buccal

Placement	Single Buccal Tube	Convertible Double Tube	Convertible Double Tube/Bracket	Triple Buccal Tube
Mesial-Distal	Mesial end of tube bisects mesial-buccal cusp	Mesial end of tube bisects mesial-buccal cusp	Mesial end of tube bisects mesial-buccal cusp	Mesial end of tube bisects mesial-buccal cusp
Occlusal-Gingival	Arch Slot for illustrations shown is 2.0mm ABOVE occlusal edge of band			

Lingual

Placement	3D® Lingual Tube (Wilson®)	Lingual Arch Sheath	Lingual Button	Molar Lug/Cleat
Mesial-Distal	Centered	Centered	Centered	Centered
Occlusal-Gingival	Occlusal edge of tube offset 1.0mm from occlusal edge of band	Centered	Centered	Offset to Occlusal

Mandibular Molar

Buccal

Placement	Single Buccal Tube	Twin Tube	Single Buccal Tube 2nd Molar	Single Buccal Tube Gingival Placement
Mesial-Distal	R & L Mesial end of tube bisects mesial-buccal cusp	R & L Mesial end of tube bisects mesial-buccal cusp	R & L Mesial end of tube bisects mesial-buccal cusp	R & L Mesial end of tube bisects mesial-buccal cusp
Occlusal-Gingival	Arch Slot 2.0mm BELOW occlusal edge of band	Arch Slot 2.0mm BELOW occlusal edge of band	Arch Slot 2.0mm BELOW occlusal edge of band	Tube even with gingival edge of band

Lingual

Placement	3D® Lingual Tube (Wilson®)	Lingual Arch Sheath	Lingual Button	Lug/Cleat
Mesial-Distal	Centered	Centered	Centered on mesial cusp	Universal centered R & L offset to distal
Occlusal-Gingival	Occlusal edge of tube offset 1.0mm from occlusal edge of band	Centered	Offset to Occlusal	Offset to Occlusal

BRACKET & TUBE SYSTEMS



table of contents

BRACKETS	Integra™	Luxi® II
FLI® SL	Roth*	Roth*
Roth*	Ricketts Original	Synergy LUX®
FLI® Twin	Standard Edgewise	SWLF®
Roth*	Miscellaneous Brackets	FLI® Composite
MBT*	Ricketts®	Roth*
Ricketts Original	Combination Bracket and Tubes	Standard
Synergy®	Begg Light Wire	
Roth*	FLI® CSL	Lingual Brackets
SWLF®	Roth*	ITT-R
Ricketts Original	FLI® Clear	Lingual Retainers
Ricketts Classic	Roth*	
Bench	MBT*	Direct Bond Lingual
Synergy® Trimorphic	Ricketts Original	
Standard Edgewise	Signature III	TUBES
Synergy R®	Roth*	Lingual
Synergy fx®	MBT*	FLI®
Mini-Taurus®	Ricketts®	Bioprogressive®
Roth*	Bioprogressive®	Andrews
Alexander	Standard Edgewise	TipEdge
Standard Edge		Standard Edgewise
Versa T®		
Roth*		

bracket & tube systems

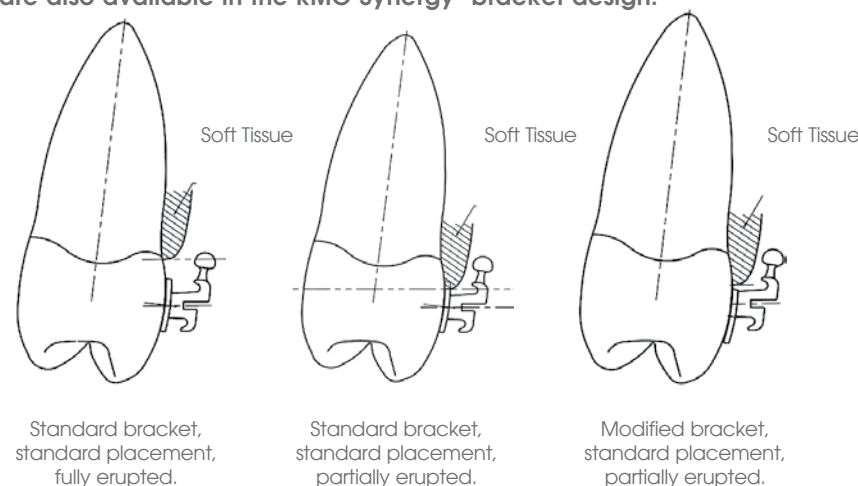
RMO® offers brackets in stainless steel, ceramic, and composite materials to meet the needs of all offices. New to the line is FLI® SL, an innovative self-ligating bracket using a patented rotating locking mechanism. RMO®’s flagship bracket is the 6-tie wing Synergy® bracket available in multiple prescriptions, with and without a mesh base. The recently developed FLI® Twin bracket is now available in Roth, MBT, and Ricketts® Original prescriptions. The FLI® system is complete with the addition of ceramic: FLI® CSL (Ceramic Self-Ligating), FLI® Clear; and composite: FLI® Composite brackets. The “gold standard” for ceramic brackets is represented by the twin bracket: LUXI® II that has an 18kt gold liner in the arch slot for reduced friction, and 6-tie wing Synergy LUX SWLF® also having an 18kt gold liner in the arch slot. To meet the renewed interest in lingual orthodontics, the iTTR® system is an excellent choice.

The FLI® system of buccal tubes has been expanded. An increased number of choices for torque in both maxillary and mandibular tubes are available. There are also Mini 2nd molar tubes that are very popular due to their small size and large lead-in design. As an aid to select single, double, and triple tubes consult the charts at the end of this section. Images, as well as prescriptions are displayed. Tubes available for direct bonding or as a preweld are also indicated in the tables.

Early treatment clinicians using fixed appliance systems reported difficulty in bonding the partially erupted 1st and 2nd bicuspids using conventional brackets. This situation can cause soft tissue impingement. (Please see illustrations below.)

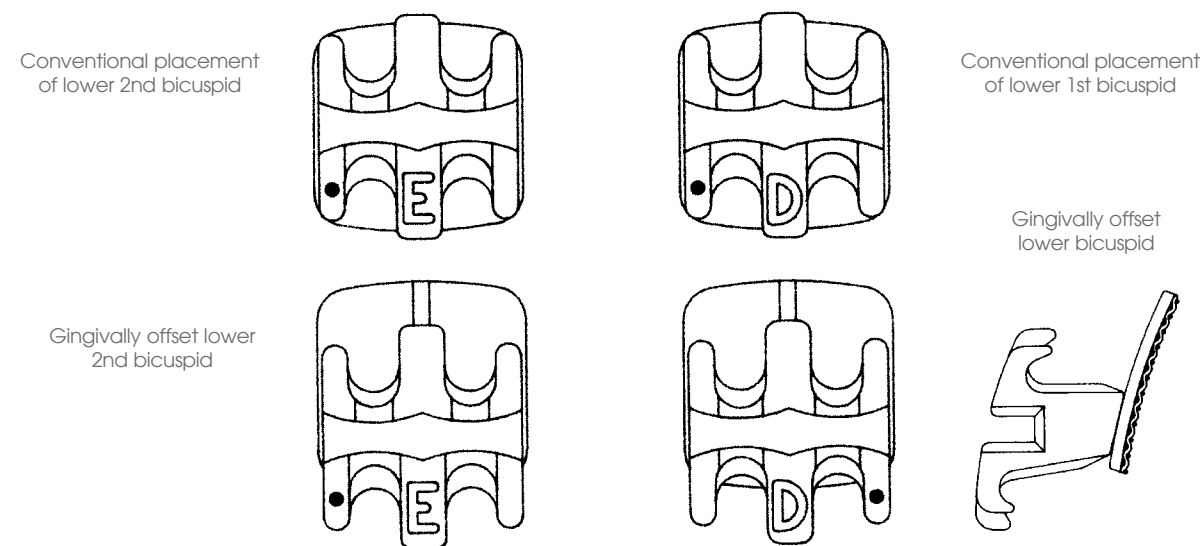
In 1992, RMO® introduced its first gingivally offset base on upper bicuspid bracket in the Bench Bioprogressive system to help avoid soft tissue impingement. Early bracket placement helps expedite the bicuspid's full eruption.

These brackets are also available in the RMO Synergy® bracket design.



The gingivally offset bracket option has proven very successful and has been carried over to both upper and lower bicuspids in many of RMO®'s bracket systems. The clinician is able to bond the bicuspids earlier. In doing so, the

tendency for the bicuspid brackets to end up too far occlusally is eliminated. The gingivally offset bonding base (relative to the bracket) also reduces interference and measurably decreases bond failure.

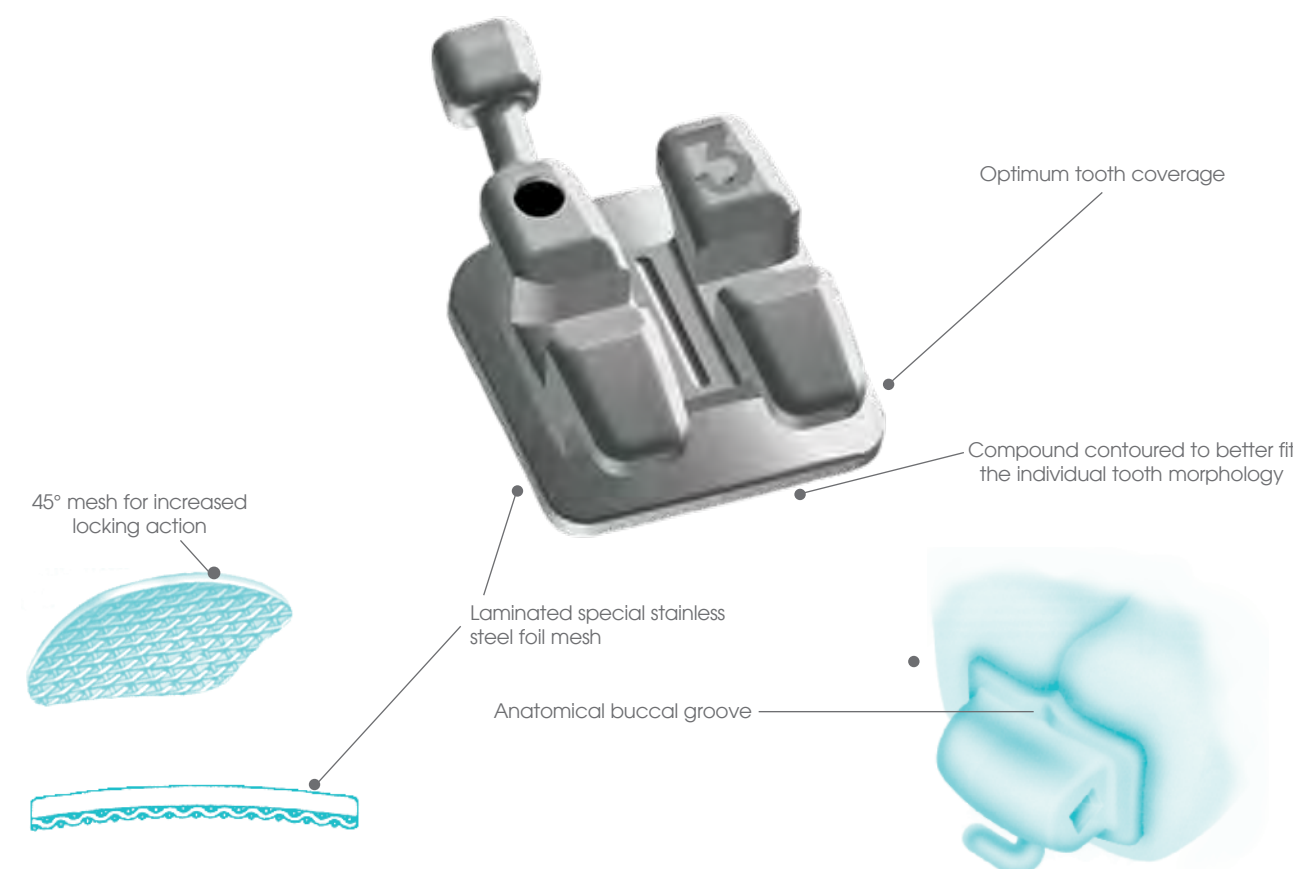


NOTE: For double and triple tubes – the auxiliary arch slot and round tube will be called out if different from main arch slot.

RMO® offers a large variety of choices for bonding brackets or tubes on a base in all techniques. The number of offerings of brackets or tubes on anatomically shaped bases is significantly increased. Brackets and tubes are attached to the base using state of the art laser welding technology, and at times conventional gold/silver brazing. These bases are RMO®'s Contur Lok. This section describes the availability of brackets and tubes on bases in the column label "On Bases."

Contur Lok bases come in multiple sizes, including anatomical sizes with developmental grooves. The bonding base is a laminate of stainless steel foil to an 80 x 80 mesh. Both mesial-distal and occlusal-lingual contouring of the base assure maximum contact area for bonding. The mesh is oriented at 45°, which enhances its locking action.

- Contur Lok bases provide optimum coverage of the tooth over the entire "footprint" of the bracket or tube.
- Contur Lok bases have compound curvature to fit mesial-distal and occlusal-lingual morphology of the tooth surface.
- Contur Lok bases cover the tooth area under bracket wings, which can be food-traps, and protect them from plaque build-up.
- Contur Lok provides a 45° orientation of the mesh resulting in more mesh openings on the base and increased tooth retention. Greater mechanical retention of adhesive to the base occurs due to the larger number of mesh openings.
- Contur Lok is laser welded or brazed to brackets or tubes which maintains the mesh intact, unlike resistance welding which destroys a portion of the mesh.
- Contur Lok bases have a center indicator mark for fast, accurate bracket or tube positioning.

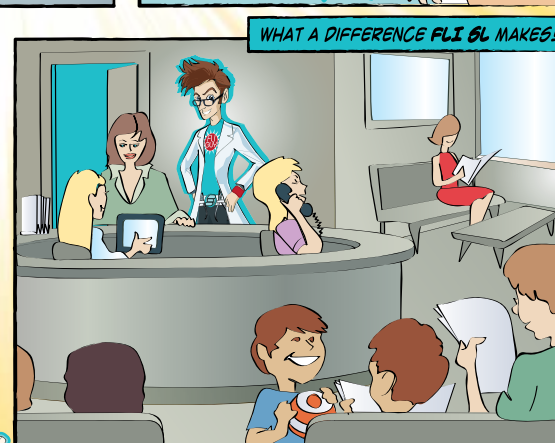
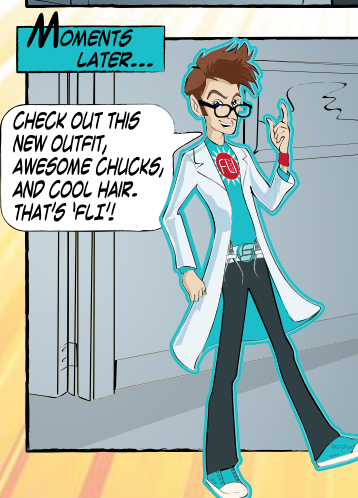
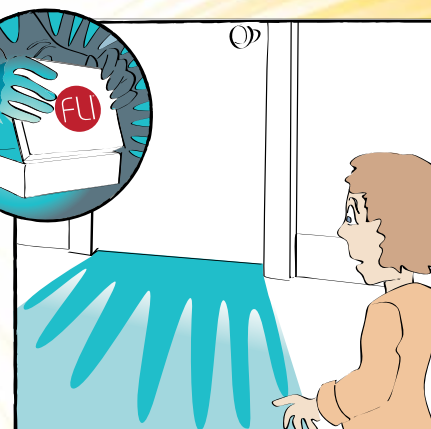
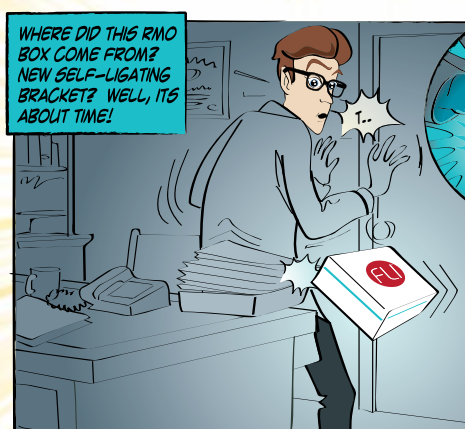
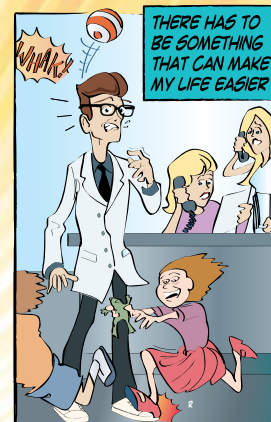
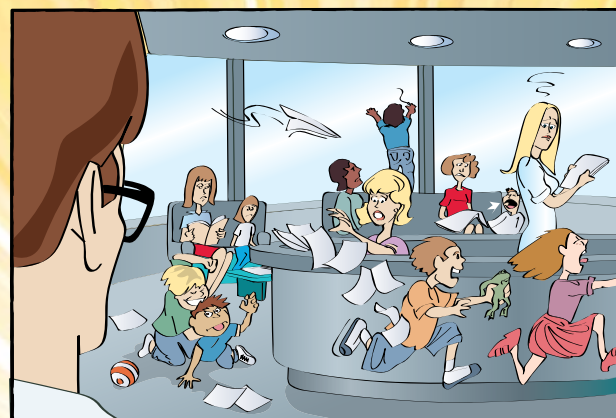




Do you ever feel like your losing control? Like the phones don't ever stop ringing, like the parents are ever present, or your staff is getting on your last nerve? Remember when your only goal was to treat patients and make beautiful smiles?

Well, that was me. And this is the story of how one day I became FLI Guy, solving orthodontic situations... big and small. Now, everyday I make people smile, and THAT is FLI* for sure.

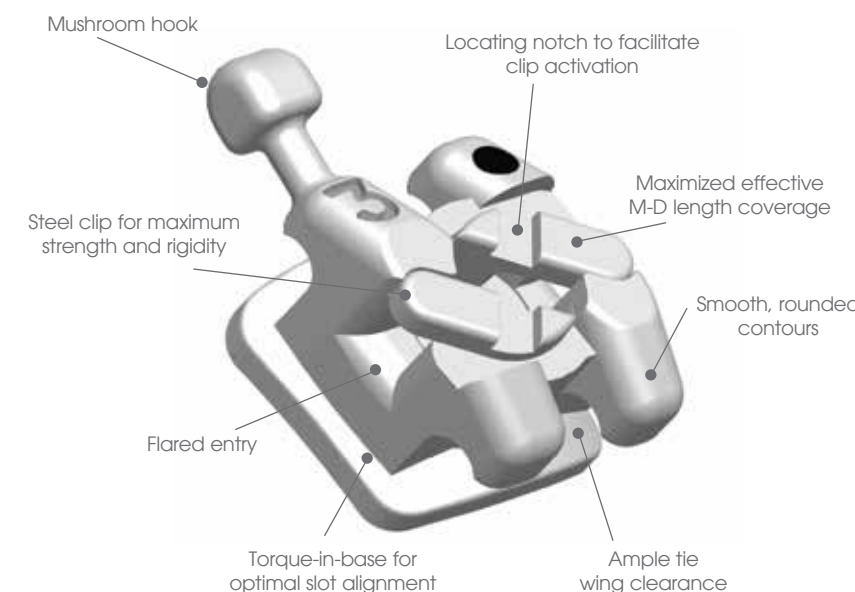
*FLI means cool, sick, wicked, awesome!



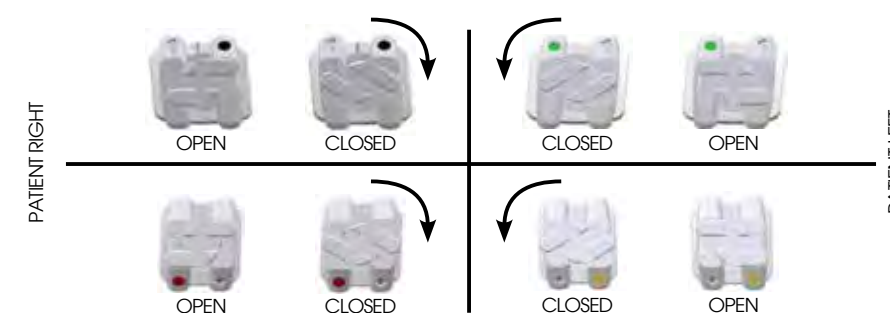
FLI® SL-Self Ligating

RMO®'s FLI SL Brackets bring innovative design to low-friction, passive self-ligation technology. The unique rotational clip design simplifies wire changes with no doors or hinges to improve clinical efficiency and minimize chair time. FLI SL provides optimum control of light forces for healthy

tooth movement with the treatment flexibility of a true twin design. Trusted strength in construction is combined with a smooth, rounded profile and beveled tie wings to offer maximize patient comfort.



CLOSING INSTRUCTIONS



*FLI® SL: U.S. Patent No. Des. 8,376,739

bracket&tubesystems

FLI® SL DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets

					.018 Arch Slot	.022 Arch Slot
	Angulation	Torque	Width	Right/Left		
	Central					
	5°	12°	3.3mm	R L	M04300 M04301	M04400 M04401
	Lateral					
	9°	8°	2.9mm	R L	M04302 M04303	M04402 M04403
	Cuspid					
	11°	0°	2.9mm			
	With hook			R L	M04306 M04307	M04406 M04407
	First/Second Bicuspid					
	0°	-7°	2.9mm			
	With hook			R L	M04310 M04311	M04410 M04411

Markings - Right: Black, Left: Green

Maxillary tubes

Maxillary Tubes					.018 Arch Slot			.022 Arch Slot			
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
	First Molar										
	Single convertible with hook										
	0°	-10°	15°	3.8mm		R	A08634	A05664	A08636	A05692	
	Torque in base.						L	A08635	A05665	A08637	A05693
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	3.8mm	.045 gingival	R	A08600	A05650	A08620	A05670	
	Torque in base.						L	A08601	A05651	A08621	A05671
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	4.2mm	.045 occlusal	R	A08602	A05652	A08622	A05672	
	Torque in base.						L	A08603	A05653	A08623	A05673
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	3.8mm		R	A08684	A05684	A08686	A05686	
							L	A08685	A05685	A08687	A05687
	Double with hook without cap										
	0°	-14°	14°	3.8mm		R	A08688	A05688	A08690	A05690	
	Torque in base.						L	A08689	A05689	A08691	A05691
	First Molar										
	Triple convertible with hook										
	0°	-14°	14°	3.8mm	.045 occlusal	R	A08604	A05654	A08624	A05674	
	Torque in base.						L	A08605	A05655	A08625	A05675
	Second Molar										
	Single with hook										
	0°	-14°	14°	3.3mm		R	A08606	A05656	A08626	A05676	
							L	A08607	A05657	A08627	A05677



bracket&tubesystems

FLI® SL DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets

				.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Width	Right/Left				
Central/Lateral							
2°	-1°	2.8mm	R	M04320	M04420		
			L	M04321	M04421		
Cuspid							
5°	-11°	2.9mm					
With hook			R	M04326	M04426		
			L	M04327	M04427		
First Bicuspid							
0°	-17°	2.9mm					
With hook			R	M04330	M04430		
			L	M04331	M04431		
Second Bicuspid							
0°	-22°	2.9mm					
With hook			R	M04334	M04434		
			L	M04335	M04435		

Markings - Right: Red, Left: Yellow

Mandibular tubes

Mandibular Tubes						.018 Arch Slot		.022 Arch Slot			
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands		
First Molar											
Single convertible with hook											
-1°	-30°	0°	3.8mm		R	A08638	A05666	A08640	A05694		
Not preangulated. Torque in base.						L	A08639	A05667	A08641	A05695	
First Molar											
Double convertible with hook											
-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628	A05678		
Not preangulated. Torque in base.						L	A08609	A05659	A08629	A05679	
First Molar											
Triple with hook											
-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630	A05680		
Not preangulated. Torque in base.						L	A08611	A05661	A08631	A05681	
Second Molar											
Single with hook											
-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632	A05682		
Not preangulated						L	A08613	A05663	A08633	A05683	

KITS

Single Case, 20 Brackets

KM04302	FLI® Self Ligating .018 hook on cuspid/bicuspid, 5-5
KM04402	FLI® Self Ligating .022 hook on cuspid/bicuspid, 5-5



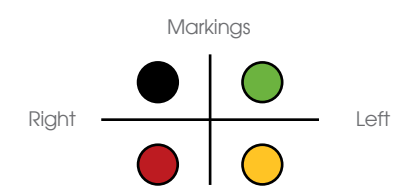
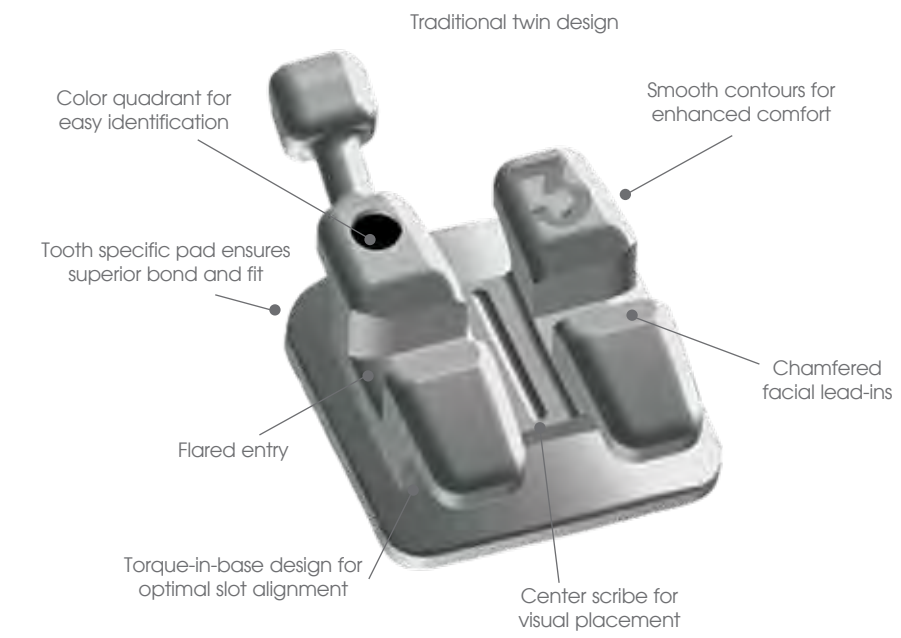
THE POWER OF A
FLI® TWIN BRACKET.
ADDS THAT EXTRA 'K-BAM'...

RMO®
rocky mountain orthodontics

FLI® Twin

RMO®'s FLI Twin Brackets offer unwavering high quality in a true conventional bracket design. Smooth, rounded contours assure both gentle aesthetics and enhanced patient comfort. The FLI Twin bracket system features a color quadrant

identification system and tooth specific pads to improve bonding efficiency. New chamfered facial lead-ins and a flared entry support quick and easy wire changes.



*FLI® Twin: U.S. Design Patent No. D660,968

BRACKET&TUBESYSTEMS

bracket&tubesystems

FLI® TWIN DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets

					.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Width	Right/Left	On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands	
	Central							
	5°	12°	3.6mm	R	M05300		M05400	
				L	M05301		M05401	
	Lateral							
	9°	8°	2.9mm					
	Without hook			R	M05302		M05402	
				L	M05303		M05403	
	Cuspid							
	11°	0°	2.9mm					
	Without hook			R	M05304		M05404	
				L	M05305		M05405	
	With hook			R	M05306		M05406	
				L	M05307		M05407	
	First/Second Bicuspid							
	0°	-7°	2.9mm					
	Without hook			R/L	M05308		M05408	
	With hook			R	M05310		M05410	
				L	M05311		M05411	
	Gingivally Offset without hook			R/L	M05350		M05450	
	Gingivally Offset with hook			R	M05352		M05452	
				L	M05353		M05453	

Markings - Right: Black, Left: Green



Maxillary tubes

						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar									
Single convertible with hook									
0°	-10°	15°	3.8mm		R	A08634	A05664	A08636	A05692
Torque in base.						L	A08635	A05665	A08637
First Molar									
Double convertible with hook									
0°	-14°	14°	3.8mm	.045 gingival	R	A08600	A05650	A08620	A05670
Torque in base.						L	A08601	A05651	A08621
First Molar									
Double convertible with ball hook									
0°	-14°	14°	4.2mm	.045 occlusal	R	A08602	A05652	A08622	A05672
Torque in base.						L	A08603	A05653	A08623
First Molar									
Double convertible with hook									
0°	-14°	14°	3.8mm		R	A08684	A05684	A08686	A05686
					L	A08685	A05685	A08687	A05687
Double with hook without cap									
0°	-14°	14°	3.8mm		R	A08688	A05688	A08690	A05690
Torque in base.						L	A08689	A05689	A08691
First Molar									
Triple convertible with hook									
0°	-14°	14°	3.8mm	.045 occlusal	R	A08604	A05654	A08624	A05674
Torque in base.						L	A08605	A05655	A08625
Second Molar									
Single with hook									
0°	-14°	14°	3.3mm		R	A08606	A05656	A08626	A05676
					L	A08607	A05657	A08627	A05677



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FLI® TWIN DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Mandibular brackets

					.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Width	Right/Left		On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
	Central/Lateral							
	2°	-1°	2.4mm	R	M05320		M05420	
				L	M05321		M05421	
	Cuspid							
	5°	-11°	2.9mm					
	Without hook			R	M05324		M05424	
				L	M05325		M05425	
	With hook			R	M05326		M05426	
				L	M05327		M05427	
	First Bicuspid							
	0°	-17°	2.9mm					
	Without hook			R	M05328		M05428	
				L	M05329		M05429	
	With hook			R	M05330		M05430	
				L	M05331		M05431	
	Gingivally Offset without hook			R	M05360		M05460	
				L	M05361		M05461	
	Gingivally Offset with hook			R	M05362		M05462	
				L	M05363		M05463	
	Second Bicuspid							
	0°	-22°	2.9mm					
	Without hook			R	M05332		M05432	
				L	M05333		M05433	
	With hook			R	M05334		M05434	
				L	M05335		M05435	
	Gingivally Offset without hook			R	M05364		M05464	
				L	M05365		M05465	
	Gingivally Offset with hook			R	M05366		M05466	
				L	M05367		M05467	

Markings - Right: Red, Left: Yellow



Mandibular tubes

							.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
First Molar										
Single convertible with hook										
-1°	-30°	0°	3.8mm		R	A08638	A05666	A08640	A05694	
Not preangulated. Torque in base.					L	A08639	A05667	A08641	A05695	
First Molar										
Double convertible with hook										
-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628	A05678	
Not preangulated. Torque in base.					L	A08609	A05659	A08629	A05679	
First Molar										
Triple with hook										
-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630	A05680	
Not preangulated. Torque in base.					L	A08611	A05661	A08631	A05681	
Second Molar										
Single with hook										
-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632	A05682	
Not preangulated.					L	A08613	A05663	A08633	A05683	

KITS

Single Case, 20 Brackets

KM05300	Roth FLI® Twin .018 without hook, 5-5
KM05400	Roth FLI® Twin .022 without hook, 5-5
KM05301	Roth FLI® Twin .018 hook on cuspid, 5-5
KM05401	Roth FLI® Twin .022 hook on cuspid, 5-5
KM05302	Roth FLI® Twin .018 hook on cuspid/bicuspid, 5-5
KM05402	Roth FLI® Twin .022 hook on cuspid/bicuspid, 5-5
KM05305	Roth FLI® Twin .018 hook on cuspid and gingivally offset bicuspid, 5-5
KM05405	Roth FLI® Twin .022 hook on cuspid and gingivally offset bicuspid, 5-5



Maxillary brackets

					.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Width	Right/Left		On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
	Central							
	4°	17°	3.6mm	R	M05000		M05100	
				L	M05001		M05101	
	Lateral							
	8°	10°	2.9mm					
	Without hook			R	M05002		M05102	
				L	M05003		M05103	
	Cuspid							
	8°	-7°	2.9mm					
	Without hook			R	M05004		M05104	
				L	M05005		M05105	
	With hook			R	M05006		M05106	
				L	M05007		M05107	
First/Second Bicuspid								
	0°	-7°	2.9mm					
	Without hook			R/L	M05008		M05108	
	With hook			R	M05010		M05110	
				L	M05011		M05111	
	Gingivally Offset without hook			R/L	M05050		M05150	
	Gingivally Offset with hook			R	M05052		M05152	
				L	M05053		M05153	

Markings - Right: Black, Left: Green



Maxillary tubes

							.018 Arch Slot		.022 Arch Slot		
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left		On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands	
First Molar											
Single with Hook											
0°	-14°	10°	4.6mm		R	A08562	A05422	A08566	A05522		
					L	A08563	A05423	A08567	A05523		
Second Molar											
Single with Hook											
0°	-14°	10°	3.6mm		R	A08564	A05424	A08568	A05524		
					L	A08565	A05425	A08569	A05525		



Mandibular brackets

					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left	On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
	Central/Lateral							
	0°	-6°	2.4mm	R/L	M05020		M05120	
	Cuspid							
	3°	-6°	2.9mm					
	Without hook			R	M05024		M05124	
				L	M05025		M05125	
	With hook			R	M05026		M05126	
				L	M05027		M05127	
	First Bicuspid							
	2°	-12°	2.9mm					
	Without hook			R	M05028		M05128	
				L	M05029		M05129	
	With hook			R	M05030		M05130	
				L	M05031		M05131	
	Gingivally Offset		without hook	R	M05060		M05160	
				L	M05061		M05161	
	Gingivally Offset		with hook	R	M05062		M05162	
				L	M05063		M05163	
	Second Bicuspid							
	2°	-17°	2.9mm					
	Without hook			R	M05032		M05132	
				L	M05033		M05133	
	With hook			R	M05034		M05134	
				L	M05035		M05135	
	Gingivally Offset		without hook	R	M05064		M05164	
				L	M05065		M05165	
	Gingivally Offset		with hook	R	M05066		M05166	
				L	M05067		M05167	

Markings - Right: Red, Left: Yellow

Mandibular tubes

						.018 Arch Slot		.022 Arch Slot		
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar										
Single with Hook										
	0°	-20°	0°	4.6mm		R	A08572	A05426	A08576	A05526
						L	A08573	A05427	A08577	A05527
Second Molar										
Single with Hook										
	0°	-10°	0°	3.6mm		R	A08574	A05428	A08578	A05528
						L	A08575	A05429	A08579	A05529



KITS

Single Case, 20 Brackets

KM05000	MBT FLI®Twin .018 without hook, 5-5
KM05100	MBT FLI®Twin .022 without hook, 5-5
KM05001	MBT FLI®Twin .018 hook on cuspid, 5-5
KM05101	MBT FLI®Twin .022 hook on cuspid, 5-5
KM05002	MBT FLI®Twin .018 hook on cuspid/bicuspid, 5-5
KM05102	MBT FLI®Twin .022 hook on cuspid/bicuspid, 5-5
KM05005	MBT FLI®Twin .018 hook on cuspid and gingivally offset bicuspid, 5-5
KM05105	MBT FLI®Twin .022 hook on cuspid and gingivally offset bicuspid, 5-5

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FLI® TWIN DESIGN
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM



Maxillary brackets

.018 Arch Slot				
Angulation	Torque	Width	Right/Left	
	Central			
	0°	22°	3.6mm	R L M05200 M05201
	Lateral			
	8°	14°	2.9mm	R L M05202 M05203
	Cuspid			
	5°	7°	2.9mm	
	Without hook			R L M05204 M05205
	With hook			R L M05206 M05207
	First/Second Bicuspid			
	0°	0°	2.9mm	
	Without hook			R/L M05208
	With hook			R L M05210 M05211
	Gingivally Offset without hook			R/L M05250
	Gingivally Offset with hook			R L M05252 M05253

Markings - Right: Black, Left: Green

Maxillary tubes*

.018 Arch Slot								
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	
	First Molar							
	Triple convertible with hook							
	0°	0°	15°	3.8mm	.045 gingival	R L	A08360 A08361	A04960 A04961
	Second Molar							
	Single with hook							
	0°	0°	12°	3.3mm		R L	A08382 A08383	A04982 A04983

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.



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FLI® TWIN DESIGN
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM

Mandibular brackets

.018 Arch Slot				
Angulation	Torque	Width	Right/Left	
Central/Lateral				
0°	0°	2.4mm	R/L	M05220
Cuspid				
5°	7°	2.9mm		
Without hook			R L	M05224 M05225
With hook			R L	M05226 M05227
First/Second Bicuspid				
0°	0°	2.9mm		
Without hook			R/L	M05208
With hook			R L	M05211 M05210
Gingivally Offset without hook			R/L	M05250
Gingivally Offset with hook			R L	M05253 M05252

Markings - Right: Red, Left: Yellow

Mandibular tubes

.018 Arch Slot							
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands	
First Molar							
Single convertible tube/bracekt with hook							
-5°	-24°	12°	3.8mm	R L	A08378 A08379	A04978 A04979	
Single with hook without cap							
-5°	-24°	12°	3.8mm	R L	A08368 A08369	A04968 A04969	
Preangulated. Torque in base.							
First Molar							
Double convertible with hook							
-5°	-24°	12°	3.8mm	R L	A08364 A08365	A04964 A04965	
Preangulated. Torque in base.							
First Molar							
Double convertible with hook							
-5°	-24°	12°	3.8mm	R L	A08386 A08387	A04986 A04987	
Auxiliary tube: 0° angulation, 0° torque, 0° DO							
Preangulated. Torque in base.							
Second Molar							
Single with hook							
-5°	-34°	6°	3.3mm	R L	A08390 A08391	A04990 A04991	
Preangulated.							

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

KITS

Single Case, 20 Brackets

KM05200	Original Bioprogressive® FLI® Twin .018 without hook, 5-5
KM05201	Original Bioprogressive® FLI® Twin .018 hook on cuspid, 5-5
KM05202	Original Bioprogressive® FLI® Twin .018 hook on cuspid/bicuspid, 5-5

RMO®'s Featured Metal Brackets

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SYNERGY® REDUCED-FRICTION APPLIANCE

SWLFSYNERGY®

Friction Selection Control®

- Independent research confirms reduced treatment time
- Enhanced design - use with or without colored ligatures
- Faster and more precise results compared to other self ligating systems



SYNERGY®

Friction Selection Control®

- Small, smooth, comfortable
- Bracket design results in reduced treatment time
- Choose your favorite color ligatures



FLI® TWIN BRACKET



- Smooth, comfortable low-profile design
- Liberal tie-wing clearance for easy and secure ligation
- Mushroom style hook for added comfort
- Facial and mesial/distal lead-ins for easy wire placement and insertion
- Treatment flexibility with true twin design
- Torque-in-base allows for optimal slot alignment
- Center Scribe provided for accurate placement
- Reliable two-piece construction
- Color quadrant coding for easy identification

Synergy®

The **Synergy®** bracket design is the most versatile, active bracket ever. It brings you more treatment control options than conventional edge-wise brackets. It reduces friction dramatically and total treatment duration. All of this comes together in a very low profile patented Synergy design.

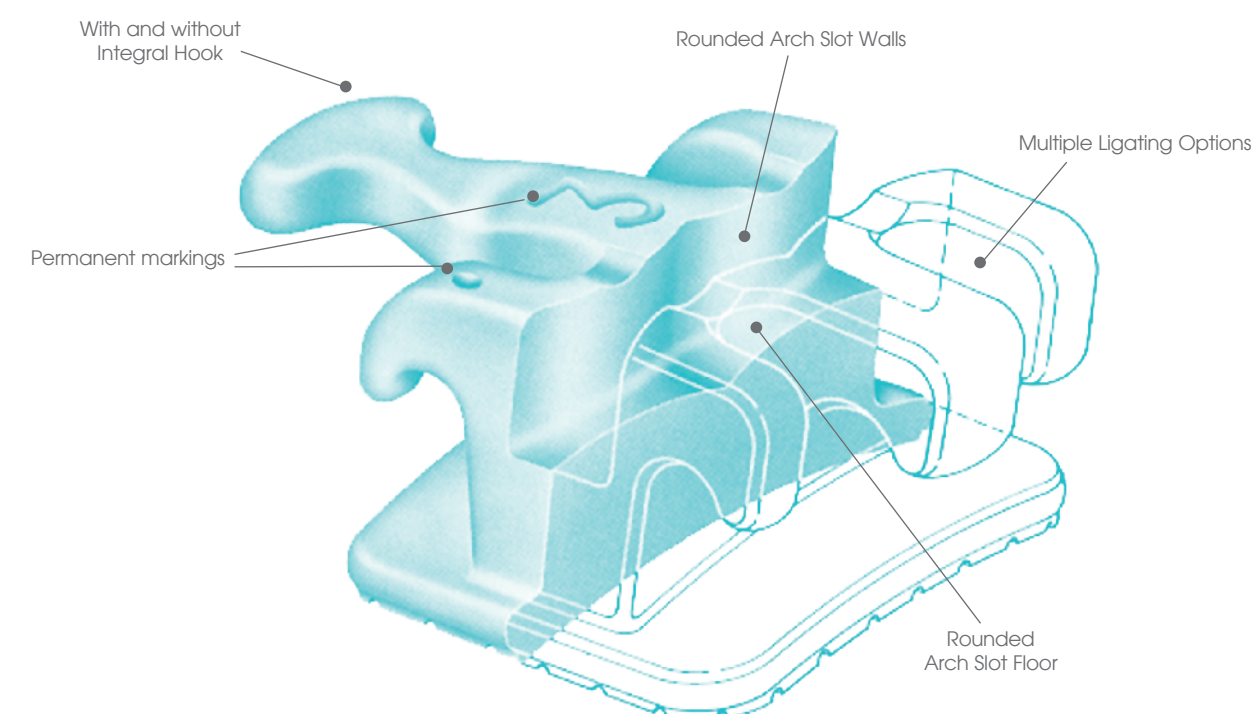
- Synergy's** rounded arch slot walls reduce binding and friction, giving a gentler, more continuous force. Treatment time is faster and is comfortable to the patient.
- Synergy's** rounded arch slot floor reduces friction since the arch will contact the floor at only two points.
- Synergy's** round arch slot walls and floors allow tangential contact of the arch wire, thus avoiding sharp binding as the arch wire enters or exits through slot. It also increases the effective inter-bracket distance.
- The **Synergy** bracket design offers ligation options never available before (available through RMO® only).
 - Minimum friction ligation
 - Conventional ligation

- Maximum rotation ligation
- Minimal rotation ligation

Synergy is manufactured in the Metal Injection Molding (MIM) process. The strongest, smoothest, most rounded appliances available. Several university research studies have shown the **Synergy** bracket reduces friction dramatically.

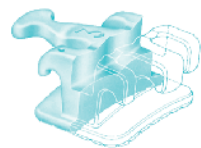
Synergy is available in the most popular techniques:

- RMO®'s version of Roth Straight Wire System
- Straight Wire Low Friction (SWLF)
- Ricketts® Original Standard Bioprogressive System
- Ricketts® Classic Bioprogressive System
- Bench Bioprogressive Preadjusted System
- RMO®'s Trimorphic Preadjusted System
- Standard Edgewise System
- SWLF® Synergy R®



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SYNERGY® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



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SYNERGY® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

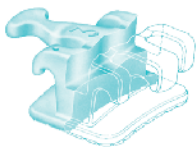
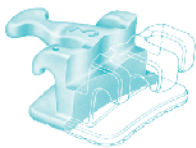
Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
						On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
	Central	Angulation	Torque	Rotation	Width	Right/Left			
		5°	12°	0°	3.6mm	R	M02300	M02400	
	Lateral	9°	8°	0°	3.1mm	L	M02301	M02401	
		Without hook				R	M02302	M02402	
	Cuspid					L	M02303	M02403	
		With hook				R	M02316	M02416	
	First/Second Bicuspid	11°	0°	4° MO	3.1mm	L	M02317	M02417	
		Without hook				R	M02304	M02404	
	Gingivally Offset					L	M02305	M02405	
		With hook				R	M02306	M02406	
	Gingivally Offset with hook					L	M02307	M02407	
		Without hook				R	M02308	M02408	A02408
	Gingivally Offset with hook					L	M02309	M02409	A02409
		With hook				R	M02310	M02410	A02410
	Gingivally Offset with hook					L	M02311	M02411	A02411
		Without hook				R	M02348	M02448	
	Gingivally Offset with hook					L	M02349	M02449	
		With hook				R	M02350	M02450	
	Gingivally Offset with hook					L	M02351	M02451	
		Without hook				R	M02350	M02450	
	Gingivally Offset with hook					L	M02351	M02451	
		With hook				R	M02350	M02450	

Maxillary tubes						.018 Arch Slot		.022 Arch Slot	
						On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar									
Single convertible with hook									
0° -10° 15° 3.8mm						R	A08634	A05664	A08636
Torque in base.						L	A08635	A05665	A08637
First Molar									
Double convertible with hook									
0° -14° 14° 3.8mm .045 gingival						R	A08600	A05650	A08620
Torque in base.						L	A08601	A05651	A08621
First Molar									
Double convertible with ball hook									
0° -14° 14° 4.2mm .045 occlusal						R	A08602	A05652	A08622
Torque in base.						L	A08603	A05653	A08623
First Molar									
Double convertible with hook									
0° -14° 14° 3.8mm						R	A08684	A05684	A08686
						L	A08685	A05685	A08687
Double with hook without cap									
0° -14° 14° 3.8mm						R	A08688	A05688	A08690
Torque in base.						L	A08689	A05689	A08691
First Molar									
Triple convertible with hook									
0° -14° 14° 3.8mm .045 occlusal						R	A08604	A05654	A08624
Torque in base.						L	A08605	A05655	A08625
Second Molar									
Single with hook									
0° -14° 14° 3.3mm						R	A08606	A05656	A08626
						L	A08607	A05657	A08627



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SYNERGY® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



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SYNERGY® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left	On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
Red 	Central								
	2°	-1°	0°	2.2mm	R	M02320		M02420	
					L	M02321		M02421	
Red 	Lateral								
	2°	-1°	0°	2.2mm					
	Without hook				R	M02322		M02422	
					L	M02323		M02423	
	With hook				R	M02338		M02438	
					L	M02339		M02439	
Red 	Cuspid								
	5°	-11°	2° MO	3.1mm					
	Without hook				R	M02324		M02424	
					L	M02325		M02425	
	With hook				R	M02326		M02426	
					L	M02327		M02427	
Red 	First Bicuspid								
	0°	-17°	4° DO	3.1mm					
	Without hook				R	M02328	A02328	M02428	A02428
					L	M02329	A02329	M02429	A02429
	With hook				R	M02330	A02330	M02430	A02430
					L	M02331	A02331	M02431	A02431
	Gingivally Offset without hook					R	M02368	M02468	
					L	M02369		M02469	
	Gingivally Offset with hook					R	M02370	M02470	
					L	M02371		M02471	
Red 	Second Bicuspid								
	0°	-22°	4° DO	3.1mm					
	Without hook				R	M02332	A02332	M02432	A02432
					L	M02333	A02333	M02433	A02433
	With hook				R	M02334	A02334	M02434	A02434
					L	M02335	A02335	M02435	A02435
	Gingivally Offset without hook					R	M02372	M02472	
					L	M02373		M02473	
	Gingivally Offset with hook					R	M02374	M02474	
					L	M02375		M02475	

Mandibular tubes

							.018 Arch Slot		.022 Arch Slot		
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
First Molar											
Single convertible with hook											
	-1°	-30°	0°	3.8mm		R	A08638	A05666	A08640	A05694	
Not preangulated. Torque in base.						L	A08639	A05667	A08641	A05695	
First Molar											
Double convertible with hook											
	-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628	A05678	
Not preangulated. Torque in base.						L	A08609	A05659	A08629	A05679	
First Molar											
Triple with hook											
	-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630	A05680	
Not preangulated. Torque in base.						L	A08611	A05661	A08631	A05681	
Second Molar											
Single with hook											
	-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632	A05682	
Not preangulated.						L	A08613	A05663	A08633	A05683	

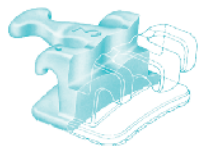
KITS

Single Case, 20 Brackets

KM02300	Roth Synergy® .018 without hook, 5-5
KM02400	Roth Synergy® .022 without hook, 5-5
KM02301	Roth Synergy® .018 hook on cuspid, 5-5
KM02401	Roth Synergy® .022 hook on cuspid, 5-5
KM02302	Roth Synergy® .018 hook on cuspid/bicuspid, 5-5
KM02402	Roth Synergy® .022 hook on cuspid/bicuspid, 5-5
KM02303	Roth Synergy® .018 hook on lateral/cuspid, 5-5
KM02380	Roth Synergy® .018 hook on maxillary cuspid, 5-5
KM02480	Roth Synergy® .022 hook on maxillary cuspid, 5-5
KM02305	Roth Synergy® .018 hook on cuspid and gingivally offset bicuspid, 5-5

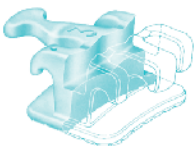
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SYNERGY® DESIGN
STRAIGHT WIRE LOW FRICTION (SWLF®)



Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
						On Bases		On Bases	
Angulation	Torque	Rotation	Width	Right/Left					
Central									
	3°	17°	0°	3.6mm	R	M03800		M03900	
					L	M03801		M03901	
Lateral									
	9°	8°	0°	3.1mm	R	M03802		M03902	
					L	M03803		M03903	
Cuspid									
	8°	0°	0°	3.1mm	R	M03806		M03906	
	With hook				L	M03807		M03907	
First/Second Bicuspid									
	0°	-7°	2° DO	3.1mm	R	M03810		M03910	
	With hook				L	M03811		M03911	

Maxillary tubes											.018 Arch Slot		.022 Arch Slot	
											On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
	First Molar													
	Triple convertible with hook													
	0°	-14°	10°	4.2mm	.045 occlusal	R	A08532	A05708	A08552	A05728				
	Torque in base.					L	A08533	A05709	A08553	A05729				
	Second Molar													
	Single convertible with hook													
	0°	-14°	10°	3.3mm		R	A08534	A05710	A08554	A05730				
	Torque in base.					L	A08535	A05711	A08555	A05731				



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SYNERGY® DESIGN
STRAIGHT WIRE LOW FRICTION (SWLF®)

Mandibular brackets						.018 Arch Slot		.022 Arch Slot	
						On Bases		On Bases	
Angulation	Torque	Rotation	Width	Right/Left					
Central/Lateral									
0°	0°	0°	2.0mm	R/L		M03820		M03920	
Optional Low Profile						M03822		M03922	
Cuspid									
With hook									
0°	0°	0°	3.1mm	R/L		M03826		M03926	
First/Second Bicuspid									
With hook									
0°	-17°	4° DO	3.1mm	R		M03830		M03930	
				L		M03831		M03931	

Mandibular tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands	
First Molar									
Double convertible with hook									
0°	-25°	8°	4.2mm	R	A08536	A05712	A08556	A05732	
Torque in base.				L	A08537	A05713	A08557	A05733	
Second Molar									
Single convertible with hook									
0°	-20°	8°	3.3mm	R	A08538	A05714	A08558	A05734	
Torque in base.				L	A08539	A05715	A08559	A05735	



KITS

Single Case, 20 Brackets

- KM03802**
- SWLF® Synergy® .018 hook on cuspid/bicuspid, 5-5
- KM03902**
- SWLF® Synergy® .022 hook on cuspid/bicuspid, 5-5

- KM03805**
- SWLF® Synergy® .018 low profile mandibular central/lateral hook on cuspid/bicuspid, 5-5
- KM03905**
- SWLF® Synergy® .022 low profile mandibular central/lateral hook on cuspid/bicuspid, 5-5



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STRAIGHT WIRE LOW FRICTION (SWLF®)
SYNERGY® INTRO KITS

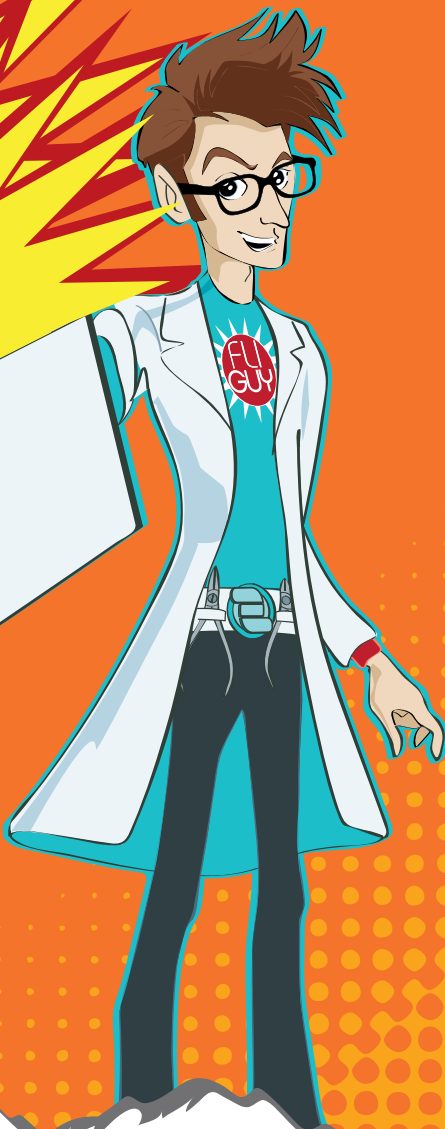
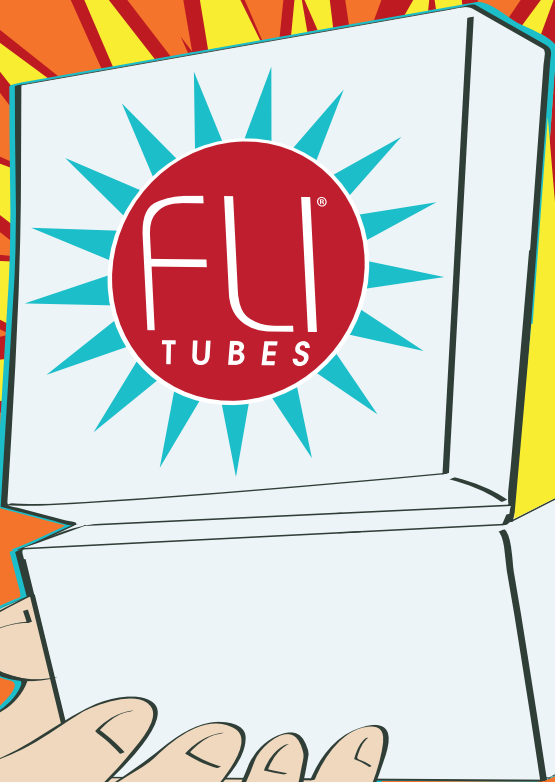


SWLF® Synergy® Intro Kits

- Use to store SWLF® arch wires for alignment, leveling, space closing, and finishing
- Use to store bracket single-case packs
- Use to store additional arch wires and accessories

		Order Number	Package Contains
	SWLF® .018 Synergy® System Kit	K00902	1
	SWLF® .018 Synergy® System Kit with typodont	K00903	1
	K00902 and K00903 kits each contain:		
ALIGNMENT	Thermal NiTi .013 RD Maxillary Arch	E02000	1 package of 10
	Thermal NiTi .013 RD Mandibular Arch	E02001	1 package of 10
ALIGNMENT/LEVELING	Thermal NiTi .017 x .025 Maxillary Arch	E02012	1 package of 10
	Thermal NiTi .016 x .022 Mandibular Arch	E02011	1 package of 10
SPACE CLOSING	Stainless Steel .017 x .025 Maxillary Arch	E02032	1 package of 10
	Stainless Steel .016 x .022 Mandibular Arch	E02031	1 package of 10
FINISHING	BETA III Titanium .017 x .025 Maxillary Arch	E02050	1 package of 10
	BETA III Titanium .017 x .025 Mandibular Arch	E02051	1 package of 10
BRACKETS	Synergy® Brackets .018 Hook Cuspid/Bicuspid, 5-5	KM03802	10 cases
	K00903 only – also contains: Typodont with brackets		
	SWLF® .022 Synergy® System Kit	K00922	1
	SWLF® .022 Synergy® System Kit with typodont	K00923	1
	K00922 and K00923 kits each contain:		
ALIGNMENT	Thermal NiTi .015 RD Maxillary Arch	E02002	1 package of 10
	Thermal NiTi .015 RD Mandibular Arch	E02003	1 package of 10
ALIGNMENT/LEVELING	Thermal NiTi .019 x .025 Maxillary Arch	E02014	1 package of 10
	Thermal NiTi .017 x .025 Mandibular Arch	E02013	1 package of 10
SPACE CLOSING	Stainless Steel .019 x .025 Maxillary Arch	E02034	1 package of 10
	Stainless Steel .017 x .025 Mandibular Arch	E02033	1 package of 10
FINISHING	BETA III Titanium .019 x .025 Maxillary Arch	E02052	1 package of 10
	BETA III Titanium .019 x .025 Mandibular Arch	E02053	1 package of 10
BRACKETS	Synergy® Brackets .022 Hook Cuspid/Bicuspid, 5-5	KM03902	10 cases
	K00923 only – also contains: Typodont with brackets		

BOOOOOM



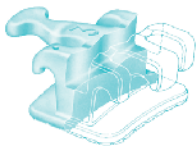
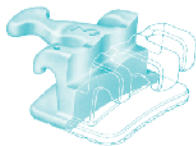
POWERFUL THINGS COME
IN RMO® PACKAGES.
FEEL THE 'BOOOOM' OF
FLI® TUBES...



RMO®
rocky mountain orthodontics

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SYNERGY® DESIGN
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM



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SYNERGY® DESIGN
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM

Maxillary brackets						.018 Arch Slot	
	Angulation	Torque	Width	Right/Left		On Bases	
Black 	Central						
	0°	22°	3.6mm	R L		M02800 M02801	
Black 	Lateral						
	8°	14°	3.1mm	R L		M02802 M02803	
Black 	Cuspid						
	5°	7°	3.1mm				
	Without hook			R L		M02804 M02805	
Black 	First Bicuspid						
	0°	0°	3.1mm				
	Without hook			R L		M02808 M02809	
	With hook (No ID color mark)			R L		M02848 M02849	
	Gingivally Offset without hook			R L		M02810 M02811	
	Gingivally Offset with hook			R L		M02850 M02851	
Black 	Second Bicuspid						
	0°	0°	3.1mm				
	Without hook			R L		M02812 M02813	
	With hook			R L		M02852 M02853	
	Gingivally Offset without hook			R L		M02814 M02815	
	Gingivally Offset with hook			R L		M02854 M02855	

Maxillary tubes*									.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases		Tubes Only/ On Bands	
	First Molar									
	Triple convertible with hook									
	0°	0°	15°	3.8mm	.045 gingival	R L	A08360 A08361		A04960 A04961	
	Second Molar									
	Single with hook									
	0°	0°	12°	3.3mm		R L	A08382 A08383		A04982 A04983	

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

KITS

Single Case, 20 Brackets

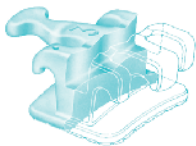
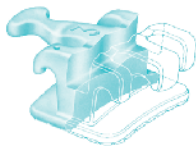
KM02800 Ricketts® Original Synergy® .018 without hook, 5-5

Mandibular brackets						.018 Arch Slot	
	Angulation	Torque	Width	Right/Left		On Bases	
	Central/Lateral						
	0°	0°	2.0mm	R/L		M02820	
	Cuspid						
	5°	7°	3.1mm	R L		M02824 M02825	
	First Bicuspid						
	0°	0°	3.1mm				
	Without hook			R L		M02828 M02829	
	With hook (No ID color mark)			R L		M02858 M02859	
	Gingivally Offset without hook			R L		M02830 M02831	
	Gingivally Offset with hook			R L		M02860 M02861	
	Second Bicuspid						
	0°	0°	3.1mm				
	Without hook			R L		M02832 M02833	
	With hook			R L		M02862 M02863	
	Gingivally Offset without hook			R L		M02834 M02835	
	Gingivally Offset with hook			R L		M02864 M02865	

Mandibular tubes							.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands	
	First Molar							
	Single convertible tube/bracekt with hook							
	-5°	-24°	12°	3.8mm	R L	A08378 A08379	A04978 A04979	
	Single with hook without cap							
	-5°	-24°	12°	3.8mm	R L	A08368 A08369	A04968 A04969	
	First Molar							
	Double convertible with hook							
	-5°	-24°	12°	3.8mm	R L	A08364 A08365	A04964 A04965	
	First Molar							
	Double convertible with hook							
	-5°	-24°	12°	3.8mm	R L	A08386 A08387	A04986 A04987	
	Second Molar							
	Single with hook							
	-5°	-34°	6°	3.3mm	R L	A08390 A08391	A04990 A04991	

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SYNERGY® DESIGN
RICKETTS® CLASSIC BIOPROGRESSIVE® SYSTEM



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SYNERGY® DESIGN RMO®
RICKETTS® CLASSIC BIOPROGRESSIVE® SYSTEM

Maxillary brackets					
					.018 Arch Slot
					On Bases
Black		Angulation	Torque	Width	Right/Left
		Central			
		3°	22°	3.6mm	R L
Black		Optional			
		3°	12°		R L
		Lateral			
Black		10°	14°	3.1mm	R L
		Optional			
		10°	8°		R L
Black		Cuspid			
		8°	5°	3.1mm	
		Without hook			R L
Black		With hook			R L
		Optional High Profile			
		8°	7°		R L
Black		Without hook			R L
		With hook			R L
		Gingivally Offset without hook			R L
Black		Gingivally Offset with hook			R L
		Second Bicuspid			
		0°	0°	3.1mm	
Black		Without hook			R L
		With hook			R L
		Gingivally Offset without hook			R L
Black		Gingivally Offset with hook			R L

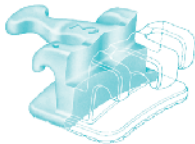
Maxillary tubes*							.018 Arch Slot
							On Bases
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands
First Molar							
Triple convertible with hook							
0°	0°	15°	3.8mm	.045 gingival	R	A08360	A04960
					L	A08361	A04961
Second Molar							
Single with hook							
0°	0°	12°	3.3mm		R	A08382	A04982
					L	A08383	A04983



*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

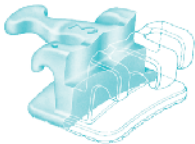
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SYNERGY® DESIGN RMO®
RICKETTS® CLASSIC BIOPROGRESSIVE® SYSTEM



Mandibular brackets

.018 Arch Slot					
	Angulation	Torque	Width	Right/Left	On Bases
Red 	Central/Lateral 0°	0°	2.0mm	R/L	M02620
	Cuspid 3°	3°	3.1mm		
Red 	Without hook			R L	M02644 M02645
	With hook			R L	M02646 M02647
	Optional High Profile 2°	2°			
	Without hook			R L	M02624 M02625
	With hook			R L	M02626 M02627
Red 	First Bicuspид 0°	0°	3.1mm	R L	M02628 M02629
	With hook			R L	M02658 M02659
	Gingivally Offset without hook			R L	M02630 M02631
	Gingivally Offset with hook			R L	M02660 M02661
Red 	Second Bicuspид 0°	-14°	3.1mm	R L	M02632 M02633
	With hook			R L	M02662 M02663
	Gingivally Offset without hook			R L	M02634 M02635
	Gingivally Offset with hook			R L	M02664 M02665



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SYNERGY® DESIGN RMO® VERSION OF
RICKETTS® CLASSIC BIOPROGRESSIVE® SYSTEM

Mandibular tubes*

.018 Arch Slot							Tubes Only/ On Bands
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases		
Mandibular tubes							
First Molar							
Single convertible tube/bracekt with hook							
-5°	-24°	12°	3.8mm	R L	A08378 A08379		A04978 A04979
Single with hook without cap							
-5°	-24°	12°	3.8mm	R L	A08368 A08369		A04968 A04969
Preangulated. Torque in base.							
First Molar							
Double convertible with hook							
-5°	-24°	12°	3.8mm	R L	A08364 A08365		A04964 A04965
Preangulated. Torque in base.							
First Molar							
Double convertible with hook							
-5°	-24°	12°	3.8mm	R L	A08386 A08387		A04986 A04987
Auxiliary tube: 0° angulation, 0° torque, 0° DO							
Preangulated. Torque in base.							
Second Molar							
Single with hook							
-5°	-34°	6°	3.3mm	R L	A08390 A08391		A04990 A04991
Preangulated.							



*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

KITS

Single Case, 20 Brackets

KM02610	Ricketts® Classic Synergy® .018 without hook, 5-5
KM02611	Ricketts® Classic Synergy® .018 hook on cuspid, 5-5
KM02612	Ricketts® Classic Synergy® .018 hook on cuspid/bicuspid, 5-5

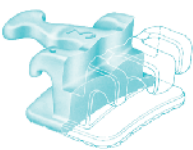
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SYNERGY® DESIGN RMO® VERSION OF
BENCH BIOPROGRESSIVE® PREADJUSTED SYSTEM



Maxillary brackets

						.018 Arch Slot	
		Angulation	Torque	Rotation	Width	Right/Left	On Bases
Black 	Central	3°	17°	0°	3.6mm	R	M02700
						L	M02701
Black 	Lateral	10°	11°	0°	3.1mm	R	M02702
						L	M02703
Black 	Cuspid	8°	5°	0°	3.1mm		
		Without hook				R	M02704
	With hook					L	M02705
						R	M02706
						L	M02707
Black 	First/Second Bicuspid	0°	-7°	2° DO	3.1mm		
		Without hook				R	M02708
	With hook					L	M02709
						R	M02710
						L	M02711
	Gingivally Offset without hook					R	M02748
						L	M02749
	Gingivally Offset with hook					R	M02750
						L	M02751



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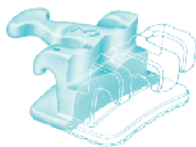
SYNERGY® DESIGN RMO® VERSION
BENCH BIOPROGRESSIVE® PREADJUSTED SYSTEM

Maxillary tubes

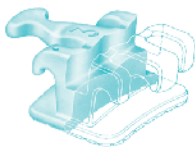
								.018 Arch Slot		
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases		Tubes Only/ On Bands		
First Molar										
Single convertible tube/bracket with hook										
0°	-10°	15°	3.8mm		R	A08294		A01194		
Torque in base.					L	A08295		A01195		
First Molar										
Double convertible with hook										
0°	-10°	15°	3.8mm		R	A08078		A01178		
Auxiliary Tube: 0° torque, 0° DO					L	A08079		A01179		
Torque in base.										
First Molar										
Triple convertible with hook										
0°	-10°	15°	3.8mm	.045 occlusal	R	A08060		A01160		
Auxiliary Tube: 0° torque, 0° DO					L	A08061		A01161		
Headgear Tube: 0° distal offset.										
Torque in base.										
Second Molar										
Single with hook										
0°	-10°	12°	3.3mm		R	A08062		A01162		
					L	A08063		A01163		

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SYNERGY® DESIGN RMO® VERSION OF
BENCH BIOPROGRESSIVE® PREADJUSTED SYSTEM



Mandibular brackets						.018 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left		On Bases
 Red	Central/Lateral						
	2°	-1°	0°	2.2mm	R		M02720
					L		M02721
 Red	Cuspid						
	3°	3°	0°	3.1mm			
	Without hook				R		M02724
					L		M02725
	With hook				R		M02726
					L		M02727
 Red	First Bicuspid						
	0°	-15°	0°	3.1mm			
	Without hook				R		M02728
					L		M02729
	With hook				R		M02730
					L		M02731
 	Gingivally Offset without hook				R		M02768
					L		M02769
	Gingivally Offset with hook				R		M02770
					L		M02771
 Red	Second Bicuspid						
	0°	-22°	4° DO	3.1mm			
	Without hook				R		M02732
					L		M02733
	With hook				R		M02734
					L		M02735
 	Gingivally Offset without hook				R		M02772
					L		M02773
	Gingivally Offset with hook				R		M02774
					L		M02775



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SYNERGY® DESIGN RMO® VERSION OF
BENCH BIOPROGRESSIVE® PREADJUSTED SYSTEM

Mandibular tubes						.018 Arch Slot	
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases		Tubes Only/ On Bands
First Molar							
Single convertible tube/bracket with hook							
-5°	-27°	6°	3.8mm	R	A08298		A01198
				L	A08299		A01199
Single with hook without cap							
-5°	-27°	6°	3.8mm	R	A08296		A01196
Preangulated. Torque in base.							
				L	A08297		A01197
First Molar							
Double convertible with hook							
-5°	-27°	6°	3.8mm	R	A08064		A01164
Auxiliary Tube: 0° angulation, 0° torque, 0° offset							
Preangulated. Torque in base.							
				L	A08065		A01165
Second Molar							
Single with hook							
-5°	-27°	6°	3.3mm	R	A08066		A01166
Preangulated.							
				L	A08067		A01167



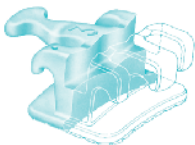
KITS

Single Case, 20 Brackets

- KM02701** Bench Synergy® .018 hook on cuspid, 5-5
- KM02702** Bench Synergy® .018 hook on cuspid/bicuspid, 5-5

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SYNERGY® DESIGN
TRIMORPHIC® BIOPROGRESSIVE® SYSTEM – **BRACHYFACIAL**

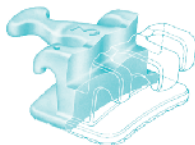


Maxillary brackets

						.018 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left	On Bases	
 Black	Central						
	3°	22°	0°	3.6mm	R L	M02228 M02229	
 Black	Lateral						
	10°	14°	0°	3.1mm	R L	M02230 M02231	
 Black	Cuspid						
	8°	5°	0°	3.1mm			
	Without hook				R L	M02232 M02233	
	With hook				R L	M02234 M02235	
 Black	First Bicuspid						
	0°	-6°	2° DO	3.1mm			
	Without hook				R L	M02208 M02209	
	With hook				R L	M02210 M02211	
 Black	Second Bicuspid						
	0°	-6°	0°	3.1mm			
	Without hook				R/L	M02212	
	With hook				R/L	M02213	

Maxillary tubes

								.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	
	First Molar								
	Triple convertible with hook								
	0°	-10°	15°	3.8mm	.045 occlusal	R	A08060	A01160	
	Auxiliary tube: 0° Torque 0° Offset					L	A08061	A01161	
	Second Molar								
	Single with hook								
	0°	-10°	12°	3.3mm		R	A08062	A01162	
						L	A08063	A01163	



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SYNERGY® DESIGN
TRIMORPHIC® BIOPROGRESSIVE® SYSTEM – **BRACHYFACIAL**

Mandibular brackets

					.018 Arch Slot	
	Angulation	Torque	Width	Right/Left	On Bases	
 Red	Central/Lateral					
	0°	0°	2.0mm	R/L	M02215	
 Red	Cuspid					
	3°	3°	3.1mm			
	Without hook			R L	M02236 M02237	
	With hook			R L	M02238 M02239	
 Red	First Bicuspid					
	0°	-15°	3.1mm			
	Without hook			R/L	M02220	
 Red	Second Bicuspid					
	0°	-20°	3.1mm			
	Without hook			R/L	M02222	
	With hook			R/L	M02223	

Mandibular tubes

							.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands	
	First Molar							
	Twin with hook (Ricketts®)							
	-5°	-22°	12°	3.8mm	R	A08114	A01032	
	Second Molar							
	Preangulated.							
					L	A08115	A01033	
	Second Molar							
	Single with hook							
	-5°	-27°	6°	3.3mm	R	A08066	A01166	
	Second Molar							
	Preangulated.							
					L	A08067	A01167	

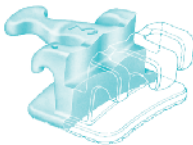
KITS

Single Case, 20 Brackets

KM02220	Brachyfacial Synergy® .018 without hook, 5-5
KM02221	Brachyfacial Synergy® .018 hook on cuspid, 5-5
KM02222	Brachyfacial Synergy® .018 hook on cuspid/bicuspid, 5-5
KM02270	Brachyfacial Synergy® .018 hook on maxillary cuspid, 5-5

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SYNERGY® DESIGN
TRIMORPHIC® BIOPROGRESSIVE® SYSTEM – MESOFACIAL

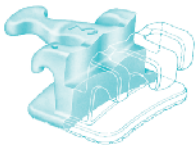


Maxillary brackets

						.018 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left	On Bases	
 Black	Central						
	3°	17°	0°	3.6mm	R L	M02224 M02225	
 Black	Lateral						
	10°	11°	0°	3.1mm	R L	M02226 M02227	
 Black	Cuspid						
	8°	0°	0°	3.1mm			
	Without hook				R L	M02204 M02205	
	With hook				R L	M02206 M02207	
 Black	First Bicuspid						
	0°	-6°	2° DO	3.1mm			
	Without hook				R L	M02208 M02209	
	With hook				R L	M02210 M02211	
 Black	Second Bicuspid						
	0°	-6°	0°	3.1mm			
	Without hook				R/L	M02212	
	With hook				R/L	M02213	

Maxillary tubes

								.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	
	First Molar								
	Triple convertible with hook								
	0°	-10°	15°	3.8mm	.045 occlusal	R	A08060	A01160	
	Headgear tube: 0° DO					L	A08061	A01161	
	Second Molar								
	Single with hook								
	0°	-10°	12°	3.3mm		R	A08062	A01162	
						L	A08063	A01163	



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SYNERGY® DESIGN
TRIMORPHIC® BIOPROGRESSIVE® SYSTEM – MESOFACIAL

Mandibular brackets

					.018 Arch Slot	
	Angulation	Torque	Width	Right/Left	On Bases	
 Red	Central/Lateral					
	0°	0°	2.0mm	R/L	M02215	
 Red	Cuspid					
	3°	0°	3.1mm			
	Without hook			R L	M02216 M02217	
	With hook			R L	M02218 M02219	
 Red	First Bicuspid					
	0°	-15°	3.1mm			
	Without hook			R/L	M02220	
 Red	Second Bicuspid					
	0°	-20°	3.1mm			
	Without hook			R/L	M02222	
	With hook			R/L	M02223	

Mandibular tubes

							.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands	
	First Molar							
	Twin with hook (Ricketts®)							
	-5°	-22°	12°	3.8mm	R L	A08114 A08115	A01032 A01033	
	Second Molar							
	Single with hook							
	-5°	-27°	6°	3.3mm	R L	A08066 A08067	A01166 A01167	

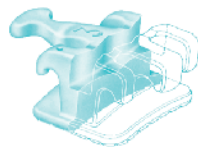
KITS

Single Case, 20 Brackets

KM02210	Mesofacial Synergy® .018 without hook, 5-5
KM02211	Mesofacial Synergy® .018 hook on cuspid, 5-5
KM02212	Mesofacial Synergy® .018 hook on cuspid/bicuspid, 5-5
KM02280	Mesofacial Synergy® .018 hook on maxillary cuspid, 5-5

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SYNERGY® DESIGN
TRIMORPHIC® BIOPROGRESSIVE® SYSTEM – DOLICHOFACIAL

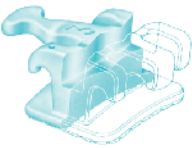


Maxillary brackets

						.018 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left	On Bases	
Black 	Central						
	3°	12°	0°	3.6mm	R L	M02200 M02201	
Black 	Lateral						
	10°	8°	0°	3.1mm	R L	M02202 M02203	
Black 	Cuspid						
	8°	0°	0°	3.1mm			
	Without hook				R L	M02204 M02205	
	With hook				R L	M02206 M02207	
Black 	First Bicuspid						
	0°	-6°	2° DO	3.1mm			
	Without hook				R L	M02208 M02209	
	With hook				R L	M02210 M02211	
Black 	Second Bicuspid						
	0°	-6°	0°	3.1mm			
	Without hook				R/L	M02212	
	With hook				R/L	M02213	

Maxillary tubes

									.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands		
	First Molar									
	Triple convertible with hook									
	0°	-14°	14°	3.8mm	.045 occlusal	R L	A08604 A08605	A05654 A05655		
	Second Molar									
	Single with hook									
	0°	-14°	14°	3.3mm		R L	A08606 A08607	A05656 A05657		



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SYNERGY® DESIGN
TRIMORPHIC® BIOPROGRESSIVE® SYSTEM – DOLICHOFACIAL

Mandibular brackets

					.018 Arch Slot	
	Angulation	Torque	Width	Right/Left	On Bases	
Red 	Central/Lateral					
	0°	0°	2.0mm	R/L	M02215	
Red 	Cuspid					
	3°	0°	3.1mm			
	Without hook			R L	M02216 M02217	
	With hook			R L	M02218 M02219	
Red 	First Bicuspid					
	0°	-15°	3.1mm			
	Without hook			R/L	M02220	
Red 	Second Bicuspid					
	0°	-20°	3.1mm			
	Without hook			R/L	M02222	
	With hook			R/L	M02223	

Mandibular tubes

								.018 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands		
	First Molar								
	Double convertible with hook								
	-5°	-27°	6°	3.8mm	R L	A08064 A08065	A01164 A01165		
	Second Molar								
	Single with hook								
	-5°	-34°	6°	3.3mm	R L	A08390 A08391	A04990 A04991		

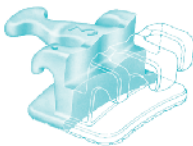
KITS

Single Case, 20 Brackets

KM02200	Dolichofacial Synergy® .018 without hook, 5-5
KM02201	Dolichofacial Synergy® .018 hook on cuspid, 5-5
KM02202	Dolichofacial Synergy® .018 hook on cuspid/bicuspid, 5-5
KM02290	Dolichofacial Synergy® .018 hook on maxillary cuspid, 5-5

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SYNERGY® DESIGN
STANDARD EDGEWISE BRACKET SYSTEM



Maxillary brackets					.018 Arch Slot	.022 Arch Slot
	Angulation	Torque	Width	Right/Left	On Bases	On Bases
Black 	Central					
	0°	0°	3.6mm	R/L	M07600	M07620
Black 	Lateral					
	0°	0°	3.1mm	R/L	M07601	M07621
Cuspid/Bicuspid						
Black 	0°	0°	3.1mm			
	Without hook			R/L	M07604	M07624
	With hook			R/L	M07606	M07626

Mandibular brackets					.018 Arch Slot	.022 Arch Slot
	Angulation	Torque	Width	Right/Left	On Bases	On Bases
	Central/Lateral					
	0°	0°	2.0mm	R/L	M07610	M07630
Cuspid/Bicuspid						
	0°	0°	3.1mm			
	Without hook			R/L	M07604	M07624
	With hook			R/L	M07606	M07626

KITS

Single Case, 20 Brackets

KM07600	Standard Edgewise Synergy® .018 without hook, 5-5
KM07620	Standard Edgewise Synergy® .022 without hook, 5-5
KM07601	Standard Edgewise Synergy® .018 hook on cuspid, 5-5
KM07621	Standard Edgewise Synergy® .022 hook on cuspid, 5-5
KM07602	Standard Edgewise Synergy® .018 hook on cuspid/bicuspid, 5-5
KM07622	Standard Edgewise Synergy® .022 hook on cuspid/bicuspid, 5-5
KM07680	Standard Edgewise Synergy® .018 hook on maxillary cuspid, 5-5
KM07690	Standard Edgewise Synergy® .022 hook on maxillary cuspid, 5-5

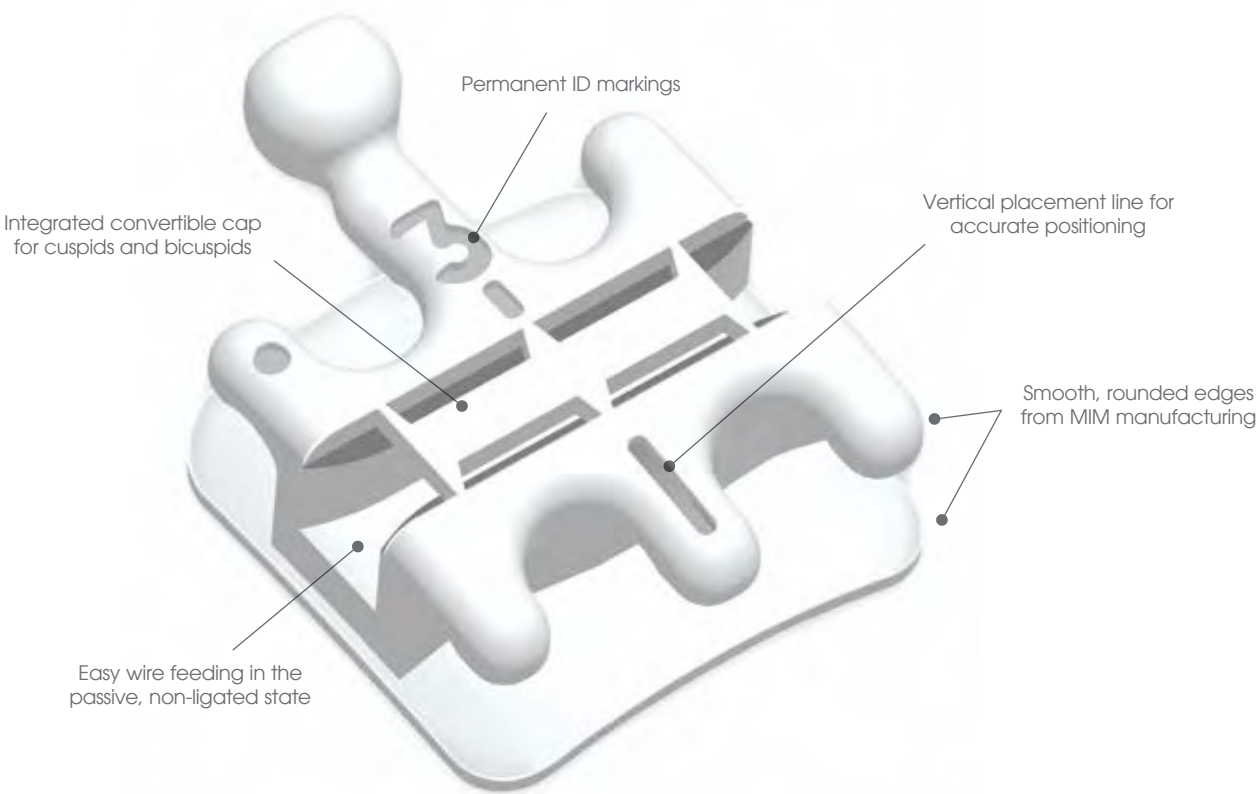
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Synergy® R

RMO®'s SWLF® (Straight Wire Low Friction) Synergy R® bracket represents the latest development in ConverTechnology: passive when you want it, total control when you need it. No clips, no doors, and no failures. SWLF Synergy R combines the simplicity and ease of self-ligating bracket design with the flexibility and advanced performance of Synergy's Friction Selection Control (FSC) modes. SWLF Synergy R provides minimal friction and rapid wire changeout, with cuspid and bicuspid brackets that can be converted into traditional Synergy style brackets at any time during treatment. Clinically tested and proven effective, SWLF Synergy R is designed, engineered, and manufactured with pride in the USA.

Features and benefits include:

- Cuspid and bicuspid brackets feature an integrated convertible cap
- Can reduce treatment time and increase time between appointments
- No moving parts—no broken clips, doors, or slides
- Large flared lead-ins reduce kinking and binding
- Low profile—comfortable for your patient
- Convert to a standard Synergy style bracket at any time for advanced FSC modes
- Consistent cap conversion strength—no undesired conversions
- Rounded underwing clearance promotes easy ligation when converted
- Permanent ID markings with vertical placement line for accurate positioning
- Metal-Injection-Molding (MIM) for consistent tolerances and smooth corners



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SWLF® SYNERGY R® DESIGN
CONVERTIBLE CUSPID/BICUSPID



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SYNERGY FX®

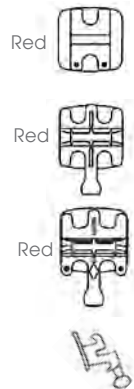


Maxillary brackets

				.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left	On Bases	On Bases
Central					
3°	17°	3.4mm	R	M07000	M07100
			L	M07001	M07101
Lateral					
9°	8°	3.4mm	R	M07002	M07102
			L	M07003	M07103
Cuspid					
8°	0°	3.4mm	R	M07006	M07106
Convertible with hook			L	M07007	M07107
First/Second Bicuspid					
0°	-7°	3.4mm			
Convertible with hook			R/L	M07010	M07110
Gingivally offset convertible with hook			R/L	M07052	M07152

Mandibular brackets

				.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left	On Bases	On Bases
Central/Lateral					
0°	0°	2.0mm	R/L	M07020	M07120
Optional					
0°	-6°	2.0mm	R/L	M07022	M07122
Cuspid					
0°	0°	3.3mm	R/L	M07026	M07126
Convertible with hook					
First/Second Bicuspid					
0°	-17°	3.4mm			
Convertible with hook			R/L	M07030	M07130
Gingivally offset convertible with hook			R/L	M07062	M07162



KITS

Single Case, 20 Brackets

KM07002	SWLF® Synergy R® .018 hook on convertible cuspid/bicuspid, 5-5
KM07102	SWLF® Synergy R® .022 hook on convertible cuspid/bicuspid, 5-5
KM07005	SWLF® Synergy R® .018 optional mandibular central/lateral (-)6T, hook on convertible, cuspid/bicuspid, 5-5
KM07105	SWLF® Synergy R® .022 optional mandibular central/lateral (-)6T, hook on convertible, cuspid/bicuspid, 5-5
KM07008	SWLF® Synergy R® .018 hook on convertible cuspid/bicuspid, gingival offset bicuspids with optional mandibular central/lateral (-)6T, 5-5
KM07108	SWLF® Synergy R® .022 hook on convertible cuspid/bicuspid, gingival offset bicuspids with optional mandibular central/lateral (-)6T, 5-5

Synergy fx®

A fully functional bracket

Several years ago, the first-generation Synergy® opened eyes to new possibilities in orthodontic treatment efficiency around the world. With generation two, Synergy *fx*® brings a new standard of treatment efficiency. Synergy *fx* continues this tradition by allowing light and consistent forces that can be exerted over long periods of time.

Low friction-low force

Patented rounded arch slot walls and floor, let the arch wires reach their full potential by minimizing frictional opposition to sliding during the alignment stage. This adds to the effectiveness of the arch wire and contributes to the combined effect of Synergy.

More than meets the eye

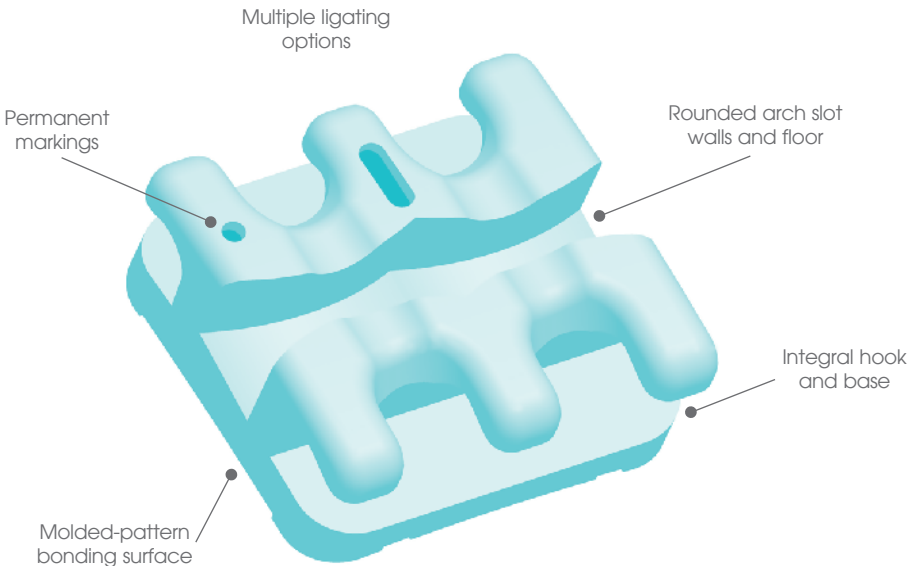
Synergy *fx* is totally integrated as one unit with built in wings, hooks and base. The integral bonding base eliminates bracket from base separation. Synergy *fx* has six identical size tie wings for easy ligation, strength and patient comfort. The lower central/lateral brackets are also in the Synergy six tie wings. This assures the quickest possible movement by all the teeth to immediately engage in movement.

More comfort

Synergy *fx* low friction, light forces along with its low, rounded profile means more comfort. Low profile has less irritation to soft tissue and less interference with the upper teeth.

Available in these techniques:

- Straight Wire Low Force (SWLF®)
- RMO's Version of Roth® Straight Wire System



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SYNERGY FX® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
 Black	Central								
	5°	12°	0°	3.5mm	R L	M09500 M09501	M09600 M09601		
 Black	Lateral								
	9°	8°	0°	3.5mm	R L	M09502 M09503	M09602 M09603		
 Black	Cuspid								
	10°	2°	4° MO	3.5mm	R L	M09506 M09507	M09606 M09607		
 Black	First/Second Bicuspid								
	0°	-7°	2° DO	3.5mm	R L	M09510 M09511	M09610 M09611		

Maxillary tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands		On Bases		On Bases	Tube Only/ On Bands
	First Molar												
	Single convertible with hook												
	0°	-10°	15°	3.8mm		R L	A08634 A08635	A05664 A05665	A08636 A08637	A05692 A05693			
	First Molar												
	Double convertible with hook												
	0°	-14°	14°	3.8mm	.045 gingival	R L	A08600 A08601	A05650 A05651	A08620 A08621	A05670 A05671			
	First Molar												
	Double convertible with ball hook												
	0°	-14°	14°	4.2mm	.045 occlusal	R L	A08602 A08603	A05652 A05653	A08622 A08623	A05672 A05673			
	First Molar												
	Double convertible with hook												
	0°	-14°	14°	3.8mm		R L	A08684 A08685	A05684 A05685	A08686 A08687	A05686 A05687			
	First Molar												
	Double with hook without cap												
	0°	-14°	14°	3.8mm		R L	A08688 A08689	A05688 A05689	A08690 A08691	A05690 A05691			
	First Molar												
	Triple convertible with hook												
	0°	-14°	14°	3.8mm	.045 occlusal	R L	A08604 A08605	A05654 A05655	A08624 A08625	A05674 A05675			
	Second Molar												
	Single with hook												
	0°	-14°	14°	3.3mm		R L	A08606 A08607	A05656 A05657	A08626 A08627	A05676 A05677			



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SYNERGY FX® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
Central/Lateral									
	0°	-1°	0°	2.9mm	R/L	M09520	M09620		 Red
Cuspid									
	7°	-11°	2° MO	3.5mm					 Red
With hook						R L	M09526 M09527	M09626 M09627	 Red
First Bicuspid									
	0°	-17°	4° DO	3.5mm					 Red
With hook						R L	M09530 M09531	M09630 M09631	 Red
Second Bicuspid									
	0°	-22°	4° DO	3.5mm	R L	M09534 M09535	M09634 M09635		 Red

Mandibular tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands		On Bases		On Bases	Tubes Only/ On Bands
First Molar													
Single convertible with hook													
	-1°	-30°	0°	3.8mm		R L	A08638 A08639	A05666 A05667	A08640 A08641	A05694 A05695			
First Molar													
Double convertible with hook													
	-1°	-30°	4°	3.8mm		R L	A08608 A08609	A05658 A05659	A08628 A08629	A05678 A05679			
First Molar													
Triple with hook													
	-1°	-30°	4°	3.8mm	.045 occlusal	R L	A08610 A08611	A05660 A05661	A08630 A08631	A05680 A05681			
Second Molar													
Single with hook													
	-1°	-30°	4°	3.3mm		R L	A08612 A08613	A05662 A05663	A08632 A08633	A05682 A05683			

KITS

Single Case, 20 Brackets

- KM09502 Roth Synergy *fx*® .018 hook on cuspid/bicuspid, 5-5
- KM09602 Roth Synergy *fx*® .022 hook on cuspid/bicuspid, 5-5

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SYNERGY FX® DESIGN RMO®
STRAIGHT WIRE LOW FRICTION (SWLF®)



Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
Black 	Central								
	3°	17°	0°	3.5mm	R L	M04800 M04801		M04900 M04901	
Black 	Lateral								
	9°	8°	0°	3.5mm	R L	M04802 M04803		M04902 M04903	
Black 	Cuspid								
	8°	0°	0°	3.5mm					
Black 	First/Second Bicuspid								
	0°	-7°	2° DO	3.5mm					
	With hook				R L	M04806 M04807		M04906 M04907	
	With hook				R L	M04810 M04811		M04910 M04911	

Maxillary tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands		On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
	First Molar												
	Triple convertible with hook												
	0°	-14°	10°	4.2mm	.045 occlusal	R	A08532	A05708	A08552	A05728			
	Second Molar												
	Single convertible with hook												
	0°	-14°	10°	3.3mm		R	A08534	A05710	A08554	A05730			
	Torque in base.												
						L	A08535	A05711	A08555	A05731			



bracket&tubesystems

SYNERGY FX® DESIGN RMO®
STRAIGHT WIRE LOW FRICTION (SWLF®)

Mandibular brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
	Central/Lateral								
	0°	-1°	0°	2.9mm	R/L	M04820		M04920	
	Cuspid								
	0°	0°	0°	3.5mm	R/L	M04826		M04926	
	First/Second Bicuspid								
	0°	-17°	4° DO	3.5mm					
	With hook				R L	M04830 M04831		M04930 M04931	

Mandibular tubes						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
	First Molar								
	Double convertible with hook								
	0°	-25°	8°	4.2mm	R L	A08536 A08537	A05712 A05713	A08556 A08557	A05732 A05733
	Second Molar								
	Single convertible with hook								
	0°	-20°	8°	3.3mm	R L	A08538 A08539	A05714 A05715	A08558 A08559	A05734 A05735
	Torque in base.								

KITS

Single Case, 20 Brackets

- KM04802 SWLF® Synergy *fx*® .018 hook on cuspid/bicuspid, 5-5
- KM04902 SWLF® Synergy *fx*® .022 hook on cuspid/bicuspid, 5-5





YOUR PATIENTS WILL BE
YOUR #1 FAN WITH FLI® CSL...
A BRACKET THAT COMBINES BOTH
AESTHETIC AND FUNCTION.



RMO®
rocky mountain orthodontics

Mini-Taurus®

RMO® Mini-Taurus, is a minimum bracket with maximum advantages.

Mini-Taurus offers enhanced bracket quality with smooth, rounded contours and rounded hooks. These features assure patient comfort, hygiene and structural strength.

The incisal-gingival bracket dimension has been dramatically reduced. The twin bracket tie wings are of sufficient size to allow easy ligating of single wing or across both wings. Strength in design prevents collapse or breakage from mastication. Bracket design minimizes interference between upper and lower arches. The mesial-distal width permits precise rotation and tipping control.

Foil mesh bases match each bracket and tooth individually. This allows for the smallest

base possible while maintaining sufficient area for bonding. A new center scribe feature assists proper alignment during bonding. Torque is provided in the base.

An easy-to-use permanent identification system is molded into each bracket. Mini-Taurus is available in the most popular techniques:

- RMO® Version Roth Preadjusted Straight Wire System
- RMO® Version of Alexander Vari-Simplex System
- Standard Edgewise System

Metal injection molded—
Advanced sintered technology
ensures high quality uniform
exact profiles.

Built-in anti-rotation where
applicable.

Torque, angulation and in/out is
built into the base

Arch slot is parallel
with the occlusal
plane

Short, rounded hooks at no
extra charge

Permanent identification
system. Each bracket has
a permanent identifier
and ink mark

Base contours—designed for
each tooth type

Alignment System

Bracket and base center scribe align precisely
with the long axis of the clinical crown

bracket&tubesystems

MINI-TAURUS® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left	On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
	Central								
	5°	12°	0°	3.6mm	R	M01000		M01100	
					L	M01001		M01101	
	Lateral								
	9°	8°	0°	2.9mm					
	Without hook				R	M01002		M01102	
					L	M01003		M01103	
	With hook				R	M01016		M01116	
					L	M01017		M01117	
	Cuspid								
	11°	0°	4° MO	2.9mm					
	Without hook				R	M01004		M01104	
					L	M01005		M01105	
	With hook				R	M01006		M01106	
					L	M01007		M01107	
	First/Second Bicuspid								
	0°	-7°	2° DO	2.9mm					
	Without hook				R	M01008	A06408	M01108	A06508
					L	M01009	A06409	M01109	A06509
	With hook				R	M01010	A06410	M01110	A06510
					L	M01011	A06411	M01111	A06511
	Gingivally Offset without hook				R	M01050		M01150	
					L	M01051		M01151	
	Gingivally Offset with hook				R	M01052		M01152	
					L	M01053		M01153	



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MINI-TAURUS® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Maxillary tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
First Molar									
Single convertible with hook									
0°	-10°	15°	3.8mm		R	A08634	A05664	A08636	A05692
Torque in base.					L	A08635	A05665	A08637	A05693
First Molar									
Double convertible with hook									
0°	-14°	14°	3.8mm	.045 gingival	R	A08600	A05650	A08620	A05670
Torque in base.					L	A08601	A05651	A08621	A05671
First Molar									
Double convertible with hook									
0°	-14°	14°	4.2mm	.045 occlusal	R	A08602	A05652	A08622	A05672
Torque in base.					L	A08603	A05653	A08623	A05673
First Molar									
Double convertible with hook									
0°	-14°	14°	3.8mm		R	A08684	A05684	A08686	A05686
					L	A08685	A05685	A08687	A05687
Double with hook without cap									
0°	-14°	14°	3.8mm		R	A08688	A05688	A08690	A05690
Torque in base.					L	A08689	A05689	A08691	A05691
First Molar									
Triple convertible with hook									
0°	-14°	14°	3.8mm	.045 occlusal	R	A08604	A05654	A08624	A05674
Torque in base.					L	A08605	A05655	A08625	A05675
Second Molar									
Single with hook.									
0°	-14°	14°	3.3mm		R	A08606	A05656	A08626	A05676
					L	A08607	A05657	A08627	A05677



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MINI-TAURUS® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Mandibular brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left	On Bases	Bracket Only/ On Bands	On Bases	Bracket Only/ On Bands
 Red	Central/Lateral								
	2°	-1°	0°	2.3mm	R	M01020		M01120	
					L	M01021		M01121	
 Red	Lateral with hook								
	2°	-1°	0°	2.3mm	R	M01038		M01138	
					L	M01039		M01139	
 Red	Cuspid								
	5°	-11°	2° MO	2.9mm					
	Without hook								
					R	M01024		M01124	
					L	M01025		M01125	
	With hook								
					R	M01026		M01126	
					L	M01027		M01127	
 Red	First Bicuspid								
	0°	-17°	4° DO	2.9mm					
	Without hook								
					R	M01028	A06428	M01128	A06528
					L	M01029	A06429	M01129	A06529
	With hook								
					R	M01030	A06430	M01130	A06530
					L	M01031	A06431	M01131	A06531
	Gingivally Offset without hook								
					R	M01058		M01158	
					L	M01059		M01159	
	Gingivally Offset with hook								
					R	M01060		M01160	
					L	M01061		M01161	
 Red	Second Bicuspid								
	0°	-22°	4° DO	2.9mm					
	Without hook								
					R	M01032	A06432	M01132	A06532
					L	M01033	A06433	M01133	A06533
	With hook								
					R	M01034	A06434	M01134	A06534
					L	M01035	A06435	M01135	A06535
	Gingivally Offset without hook								
					R	M01062		M01162	
					L	M01063		M01163	
	Gingivally Offset with hook								
					R	M01064		M01164	
					L	M01065		M01165	



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MINI-TAURUS® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular tubes						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	Tubes Only/ On Bands
First Molar									
Single convertible with hook									
	-1°	-30°	0°			R	A08638	A05666	A08640 A05694
Not preangulated. Torque in base.						L	A08639	A05667	A08641 A05695
First Molar									
Double convertible with hook									
	-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628 A05678
Not preangulated. Torque in base.						L	A08609	A05659	A08629 A05679
First Molar									
Triple with hook									
	-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630 A05680
Not preangulated Torque in base.						L	A08611	A05661	A08631 A05681
Second Molar									
Single with hook									
	-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632 A05682
Not preangulated.						L	A08613	A05663	A08633 A05683



KITS

Single Case, 20 Brackets

KM01000	Roth Mini-Taurus® .018 without hook, 5-5
KM01100	Roth Mini-Taurus® .022 without hook, 5-5
KM01001	Roth Mini-Taurus® .018 hook on cuspid, 5-5
KM01101	Roth Mini-Taurus® .022 hook on cuspid, 5-5
KM01002	Roth Mini-Taurus® .018 hook on cuspid/bicuspid, 5-5
KM01102	Roth Mini-Taurus® .022 hook on cuspid/bicuspid, 5-5
KM01080	Roth Mini-Taurus® .018 hook on maxillary cuspid, 5-5
KM01180	Roth Mini-Taurus® .022 hook on maxillary cuspid, 5-5

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MINI-TAURUS® DESIGN RMO® VERSION OF
ALEXANDER VARI-SIMPLEX SYSTEM
(WITH VERTICAL SLOT .018 X .020)



Maxillary brackets

					.018 Arch Slot		.022 Arch Slot	
					On Bases		On Bases	
Black		Central	5°	14°	3.6mm	R	M01600 M01601	M01650 M01651
						L		
Black		Lateral	8°	7°	2.9mm		M01602 M01603	M01652 M01653
		Without hook				R		
						L		
		With hook				R		
Black		Cuspid (Rotation-Lang)	10°	-3°	6.1mm		M01606 M01607	M01656 M01657
		Without hook				R		
						L		
		With hook				R		
Black		First/Second Bicuspid (Rotation-Lewis)	0°	-7°	5.1mm		M01608 M01609	M01658 M01659
		Without hook				R		
						L		
		With hook				R		
Black		Without hook				R/L	M01610	M01660

Maxillary tubes

							.018 Arch Slot			.022 Arch Slot		
							On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands		
	First Molar											
	Double convertible with hook.											
	0°	-10°	15°	3.8mm	.045 occlusal	R	A08180	A04380	A08190	A04390		
	Torque in base.					L	A08181	A04381	A08191	A04391		
Headgear tube 0° offset.												
	Second Molar											
	Single with hook											
	0°	-10°	6°	3.3mm		R	A08182	A04382	A08192	A04392		
						L	A08183	A04383	A08193	A04393		



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MINI-TAURUS® DESIGN RMO® VERSION OF
ALEXANDER VARI-SIMPLEX SYSTEM
(WITH VERTICAL SLOT .018 X .020)

Mandibular brackets

					.018 Arch Slot		.022 Arch Slot	
					On Bases		On Bases	
Red		Central/Lateral (Rotation-Lewis)	0°	-5°	4.5mm	R/L	M01620	M01670
		Without hook						
Red		Lateral (Lewis)	0°	-5°	4.5mm	R/L	M01624	M01674
		With hook						
Red		Cuspid (Rotation-Lang)	6°	-7°	6.1mm		M01626 M01627	M01676 M01677
		Without hook				R		
						L		
		With hook				R		
Red		First Bicuspid (Rotation-Lewis)	0°	-11°	5.1mm	R/L	M01630	M01680
		Without hook						
		With hook				R		
Red		Second Bicuspid (Rotation-Lewis)	0°	-17°	5.1mm	R/L	M01634	M01684
		Without hook						
		With hook				R		
		Gingivally Offset without hook				R/L	M01644	M01694

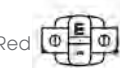
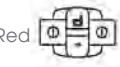
Mandibular tubes

					.018 Arch Slot		.022 Arch Slot	
					On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
		First Molar	Single convertible with hook.					
			-6°	-22°	5°	3.8mm	R	A08184 A04384
							L	A08185 A04385
			Not preangulated.					A08194 A04394
		Second Molar	Single with hook.					
			-6°	-27°	6°	3.3mm	R	A08186 A04386
							L	A08187 A04387
			Not preangulated.					A08196 A04396
								A08197 A04397

KITS

Single Case, 20 Brackets

KM01600	Alexander Mini-Taurus® .018 without hook, 5-5
KM01650	Alexander Mini-Taurus® .022 without hook, 5-5
KM01601	Alexander Mini-Taurus® .018 hook on cuspid, 5-5
KM01651	Alexander Mini-Taurus® .022 hook on cuspid, 5-5
KM01603	Alexander Mini-Taurus® .018 hook on lateral and cuspid, 5-5
KM01653	Alexander Mini-Taurus® .022 hook on lateral and cuspid, 5-5
KM01680	Alexander Mini-Taurus® .018 hook on maxillary cuspid, 5-5
KM01690	Alexander Mini-Taurus® .022 hook on maxillary cuspid, 5-5



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MINI-TAURUS® DESIGN
STANDARD EDGEWISE SYSTEM



Maxillary brackets					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left	On Bases	Bracket Only	On Bases	Bracket Only
Black 	Central							
	0°	0°	3.6mm	R/L	M01900	A01900	M01910	A01910
Black 	Lateral							
	0°	0°	2.9mm	R/L	M01901	A01901	M01911	A01911
Black 	Cuspid/Bicuspid							
	0°	0°	2.9mm					
	Without hook (No ink mark)			R/L	M01902	A01902	M01912	A01912
	With hook			R	M01904	A01904	M01914	A01914
				L	M01905	A01905	M01915	A01915

Mandibular brackets					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left	On Bases	Bracket Only	On Bases	Bracket Only
Red 	Central/Lateral							
	0°	0°	2.3mm	R/L	M01906	A01906	M01916	A01916
Red 	Cuspid/Bicuspid							
	0°	0°	2.9mm					
	Without hook (No ink mark)			R/L	M01907	A01902	M01917	A01912
	With hook			R	M01908	A01908	M01918	A01918
				L	M01909	A01909	M01919	A01919

KITS

Single Case, 20 Brackets

KM01900	Standard Edgewise Mini-Taurus® .018 without hook, 5-5
KM01910	Standard Edgewise Mini-Taurus® .022 without hook, 5-5
KM01901	Standard Edgewise Mini-Taurus® .018 hook on cuspid, 5-5
KM01911	Standard Edgewise Mini-Taurus® .022 hook on cuspid, 5-5
KM01902	Standard Edgewise Mini-Taurus® .018 hook on cuspid/bicuspid, 5-5
KM01912	Standard Edgewise Mini-Taurus® .022 hook on cuspid/bicuspid, 5-5
KM01990	Standard Edgewise Mini-Taurus® .022 hook on maxillary cuspid, 5-5

bracket&tubesystems

VERSA T® –
THE MOST VERSATILE TWIN BRACKET APPLIANCE

Versa T®

RMO®'s bracket incorporates the friction reducing features of Synergy® but in the Mini-Taurus® twin design. Additionally, it includes a vertical slot for auxiliary treatment applications while maintaining a low profile.

The Synergy bracket has become the most popular selling RMO® bracket. Many of our customers asked for the features of Synergy in a twin bracket. We listened and developed the Versa T®.

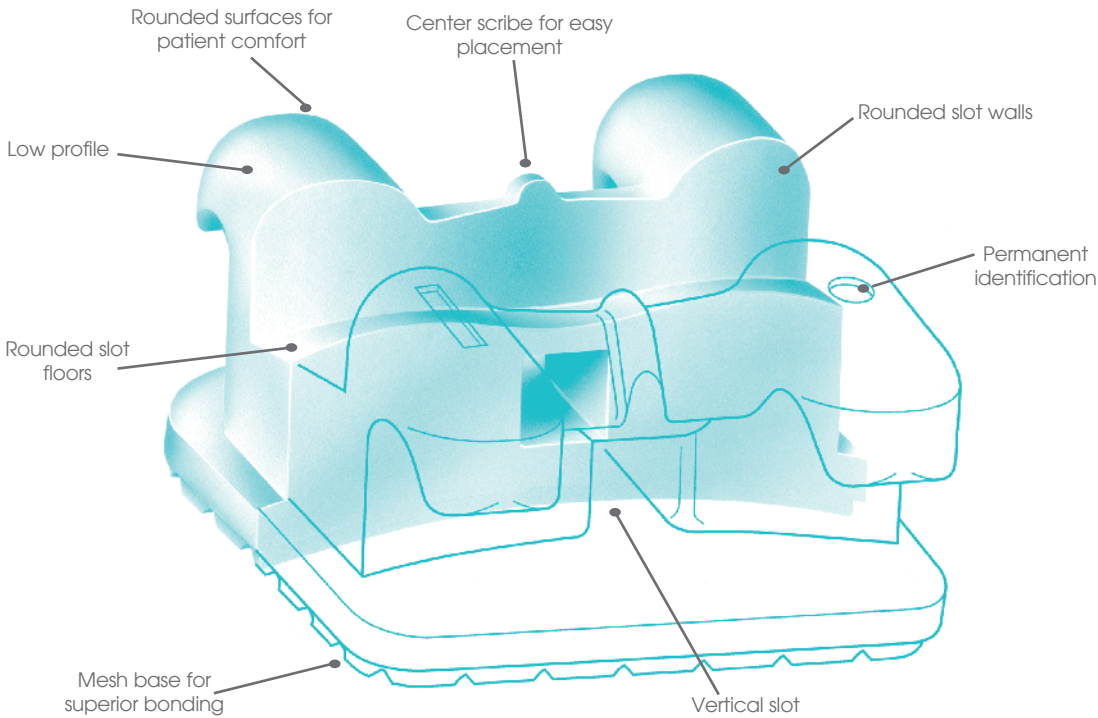
Bracket prescriptions are generic and do not accommodate the individualized treatment requirements of each patient. Versa T, by using the vertical slot, allows the clinician to adjust the tip, torque, and rotation and manage space to fit the individualized treatment plan for each patient.

Versa T has redesigned rounded arch slot walls, rounded arch slot floors and vertical slots. Rounded arch slot walls increase arch wire effectiveness dramatically by eliminating binding and friction on arch wires; now they are free to perform at their optimum.

The gently curving slot walls let the arch wire enter and exit the slot without binding or inducing unnecessary arch wire stress. Because the arch wire is not rigidly captured, as is the case with conventional edgewise brackets, a gentler and more continuous treatment force is generated. Leveling at the beginning of treatment is accomplished faster.

Torque, tip and rotational forces are all delivered more gently due to the fact that the arch wire touches the Versa T bracket at the apex of the rounded walls only. The line contact between bracket and arch wire effectively increases inter-bracket distance for a more active, non-binding force.

Your patients will like the rounded arch slot feature because it makes arch wire insertion easier and reduces discomfort between appointments.



bracket&tubesystems

VERSA T® – RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets

						.018 Arch Slot	.022 Arch Slot	
		Angulation	Torque	Rotation	Width	Right/Left	On Bases	On Bases
Black		Central						
		5°	12°	0°	3.6mm	R L	M03000 M03001	M03100 M03101
Black		Lateral						
		9°	8°	0°	2.9mm	R L	M03002 M03003	M03102 M03103
Black		Cuspid						
		11°	0°	4° MO	2.9mm			
		Without hook				R	M03004	M03104
						L	M03005	M03105
		With hook				R	M03006	M03106
						L	M03007	M03107
Black		First/Second Bicuspid						
		0°	-7°	2° DO	2.9mm			
		Without hook				R	M03008	M03108
						L	M03009	M03109
		With hook				R	M03010	M03110
						L	M03011	M03111

Maxillary tubes

						.018 Arch Slot		.022 Arch Slot			
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
	First Molar										
	Single convertible with hook										
	0°	-10°	15°	3.8mm		R	A08634	A05664	A08636	A05692	
	Torque in base.						L	A08635	A05665	A08637	A05693
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	3.8mm	.045 gingival	R	A08600	A05650	A08620	A05670	
	Torque in base.						L	A08601	A05651	A08621	A05671
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	4.2mm	.045 occlusal	R	A08602	A05652	A08622	A05672	
	Torque in base.						L	A08603	A05653	A08623	A05673
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	3.8mm		R	A08684	A05684	A08686	A05686	
							L	A08685	A05685	A08687	A05687
	First Molar										
	Double with hook without cap										
	0°	-14°	14°	3.8mm		R	A08688	A05688	A08690	A05690	
	Torque in base.						L	A08689	A05689	A08691	A05691
	First Molar										
	Triple convertible with hook										
	0°	-14°	14°	3.8mm	.045 occlusal	R	A08604	A05654	A08624	A05674	
	Torque in base.						L	A08605	A05655	A08625	A05675
	Second Molar										
	Single with hook										
	0°	-14°	14°	3.3mm		R	A08606	A05656	A08626	A05676	
							L	A08607	A05657	A08627	A05677



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VERSA T® – RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets

						.018 Arch Slot		.022 Arch Slot	
						On Bases		On Bases	
	Central/Lateral	2°	0°	0°	2.3mm	R	M03020 M03021	M03120 M03121	
						L			
	Cuspid	5°	-11°	2° MO	2.9mm		M03024 M03025 M03026 M03027	M03124 M03125 M03126 M03127	
						R			
						L			
	First Bicuspid	0°	-17°	4° DO	2.9mm		M03028 M03029 M03030 M03031	M03128 M03129 M03130 M03131	
						R			
						L			
	Second Bicuspid	0°	-22°	4° DO	2.9mm		M03032 M03033 M03034 M03035	M03132 M03133 M03134 M03135	
						R			
						L			

Mandibular tubes

							.018 Arch Slot		.022 Arch Slot		
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands		
First Molar											
Single convertible with hook											
-1°	-30°	0°	3.8mm		R	A08638	A05666	A08640	A05694		
Not preangulated. Torque in base.						L	A08639	A05667	A08641	A05695	
First Molar											
Double convertible with hook											
-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628	A05678		
Not preangulated. Torque in base.						L	A08609	A05659	A08629	A05679	
First Molar											
Triple with hook											
-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630	A05680		
Not preangulated. Torque in base.						L	A08611	A05661	A08631	A05681	
Second Molar											
Single with hook											
-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632	A05682		
Not preangulated.						L	A08613	A05663	A08633	A05683	

KITS

Single Case, 20 Brackets

KM03000	Roth Versa T® .018 without hooks, 5-5
KM03100	Roth Versa T® .022 without hooks, 5-5
KM03001	Roth Versa T® .018 hook on cuspid, 5-5
KM03101	Roth Versa T® .022 hook on cuspid, 5-5
KM03002	Roth Versa T® .018 hook on cuspid/bicuspid, 5-5
KM03102	Roth Versa T® .022 hook on cuspid/bicuspid, 5-5

bracket&tubesystems

THE INTEGRAL BRACKET APPLIANCE SYSTEM

Integra™

RMO®'s low profile bracket appliance system is called Integra™. This small, rhomboid designed bracket is totally integrated. The complete bracket, including the base, is molded as one unit and is manufactured using Metal Injection Molding (MIM). RMO® pioneered the MIM manufacturing process in orthodontics and is the leader in the field.

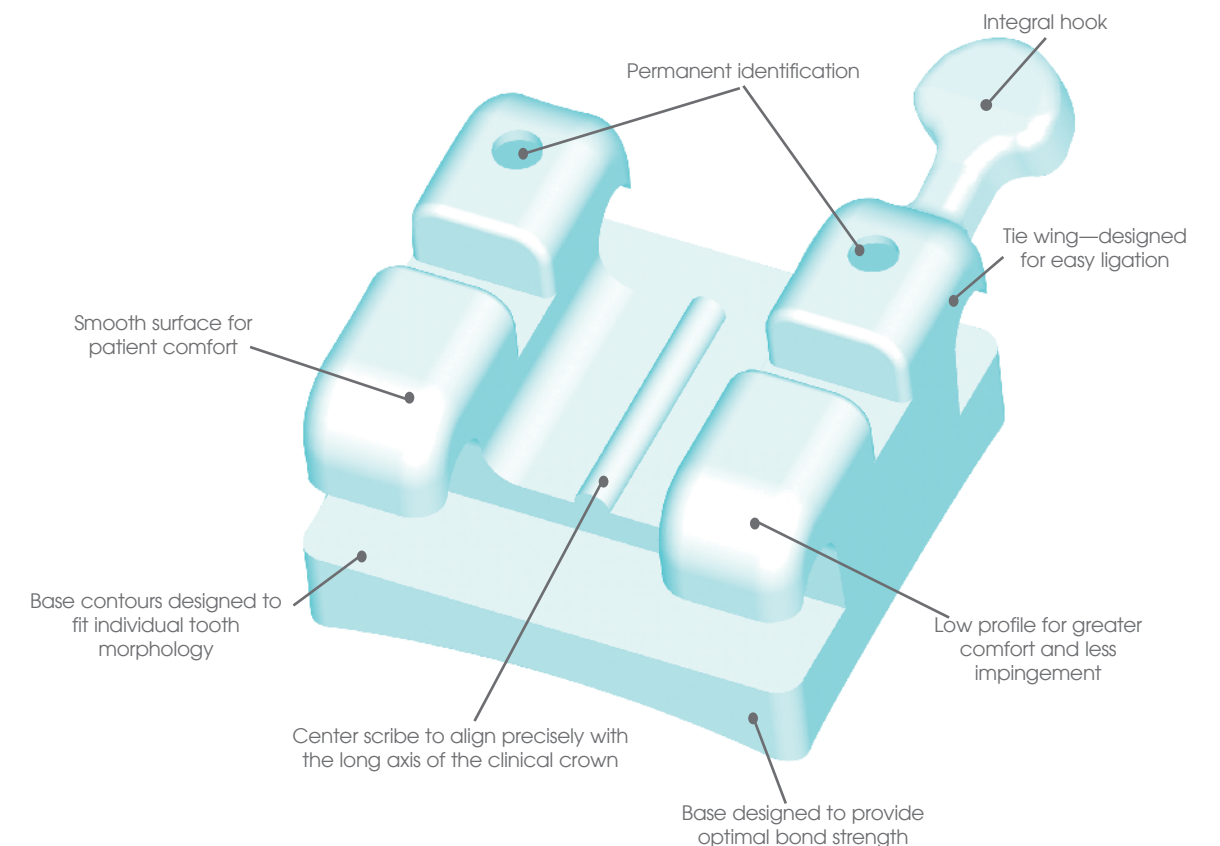
The result of molding the bracket as one unit results in a stronger integral appliance. The built-in wings, hooks and base result in precision orthodontic control. The integral ball hooks on cuspids and bicuspids allow for simultaneous use of auxiliaries.

The increased, molded-pattern bonding surface area assures an excellent bond.

The molded base is designed to match precisely to the curvature of the tooth morphology for maximum contact and strong, consistent bonding. The vertical scribe line aligns precisely with the crown long axis, simplifying accurate bracket placement.

The wing design provides for easy ligation, which is unique in a low profile bracket. Integra has a permanent marking system molded into each bracket for easy identification.

The Integra bracket delivers an unbeatable combination of superior function, patient comfort and superb bonding in an integral appliance system. Quality and consistent finishing are the results.



BRACKET&TUBESYSTEMS



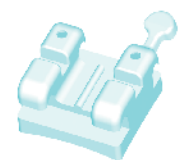
TAKE **FLY** LIGHT WITH THE SPEED OF
RMO®'S FLI® SL BRACKET...



RMO
rocky mountain orthodontics

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INTEGRA™ DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
 Black	Central 5° 12° 0° 3.6mm					R	M09100 M09101	M09200 M09201	
						L			
 Black	Lateral 9° 8° 0° 2.9mm					R	M09102 M09103	M09202 M09203	
						L			
 Black	Cuspid 10° 2° 4° MO 2.9mm						M09104 M09105 M09106 M09107	M09204 M09205 M09206 M09207	
	Without hook					R			
						L			
	With hook					R			
 Black	First/Second Bicuspid 0° -7° 2° DO 2.9mm						M09108 M09109 M09110 M09111	M09208 M09209 M09210 M09211	
	Without hook					R			
						L			
	With hook					R			
						L			

Maxillary tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands		On Bases		On Bases	Tubes Only/ On Bands
	First Molar Single convertible with hook 0° -10° 15° 3.8mm						R	A08634 A08635	A05664 A05665	A08636 A08637	A05692 A05693		
	Torque in base.						L						
	First Molar Double convertible with hook 0° -14° 14° 3.8mm .045 gingival						R	A08600 A08601	A05650 A05651	A08620 A08621	A05670 A05671		
	Torque in base.						L						
	First Molar Double convertible with hook 0° -14° 14° 4.2mm .045 occlusal						R	A08602 A08603	A05652 A05653	A08622 A08623	A05672 A05673		
	Torque in base.						L						
	First Molar Double convertible with hook 0° -14° 14° 3.8mm						R	A08684 A08685	A05684 A05685	A08686 A08687	A05686 A05687		
							L						
	First Molar Double with hook without cap 0° -14° 14° 3.8mm						R	A08688 A08689	A05688 A05689	A08690 A08691	A05690 A05691		
	Torque in base.						L						
	First Molar Triple convertible with hook 0° -14° 14° 3.8mm .045 occlusal						R	A08604 A08605	A05654 A05655	A08624 A08625	A05674 A05675		
	Torque in base.						L						
	Second Molar Single with hook 0° -14° 14° 3.3mm						R	A08606 A08607	A05656 A05657	A08626 A08627	A05676 A05677		
							L						



bracket&tubesystems

INTEGRA™ DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets					.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Rotation	Width	Right/Left				
Central/Lateral								
0°	-1°	0°	2.3mm	R/L	M09120	M09220	 Red	
Cuspid								
7°	-11°	2° MO	2.9mm					
Without hook				R	M09122	M09222	 Red	
				L	M09123	M09223		
With hook				R	M09124	M09224	 Red	
				L	M09125	M09225		
First Bicuspid								
0°	-17°	4° DO	2.9mm					
Without hook				R	M09126	M09226	 Red	
				L	M09127	M09227		
With hook				R	M09128	M09228	 Red	
				L	M09129	M09229		
Second Bicuspid								
0°	-22°	4° DO	2.9mm					
Without hook				R	M09130	M09230	 Red	
				L	M09131	M09231		
With hook				R	M09132	M09232	 Red	
				L	M09133	M09233		

Mandibular tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands		On Bases		On Bases	Tubes Only/ On Bands
	First Molar Single convertible with hook -1° -30° 0° 3.8mm						R	A08638 A08639	A05666 A05667	A08640 A08641	A05694 A05695		
	Not preangulated. Torque in base.						L						
	First Molar Double convertible with hook -1° -30° 4° 3.8mm						R	A08608 A08609	A05658 A05659	A08628 A08629	A05678 A05679		
	Not preangulated. Torque in base.						L						
	First Molar Triple with hook -1° -30° 4° 3.8mm .045 occlusal						R	A08610 A08611	A05660 A05661	A08630 A08631	A05680 A05681		
	Not preangulated. Torque in base.						L						
	Second Molar Single with hook -1° -30° 4° 3.3mm						R	A08612 A08613	A05662 A05663	A08632 A08633	A05682 A05683		
	Not preangulated.						L						

KITS

Single Case, 20 Brackets

KM09100	Roth Integra™ .018 without hooks, 5-5
KM09200	Roth Integra™ .022 without hooks, 5-5
KM09101	Roth Integra™ .018 hook on cuspid, 5-5
KM09201	Roth Integra™ .022 hook on cuspid, 5-5
KM09102	Roth Integra™ .018 hook on cuspid/bicuspid, 5-5
KM09202	Roth Integra™ .022 hook on cuspid/bicuspid, 5-5

bracket&tubesystems

INTEGRA™ DESIGN
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM



Maxillary brackets

.018 Arch Slot					
	Angulation	Torque	Width	Right/Left	
Black 	Central				
	0°	22°	3.6mm	R L	M09300 M09301
Black 	Lateral				
	8°	14°	2.9mm	R L	M09302 M09303
Black 	Cuspid				
	5°	7°	2.9mm		
	Without hook			R L	M09304 M09305
	With hook			R L	M09306 M09307
	First/Second Bicuspid				
	0°	0°	2.9mm		
	Without hook			R/L	M09308
	With hook			R L	M09310 M09311

Maxillary tubes*

.018 Arch Slot								
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands
	First Molar							
	Triple convertible with hook							
	0°	0°	15°	3.8mm	.045 gingival	R L	A08360 A08361	A04960 A04961
	Second Molar							
	Single with hook							
	0°	0°	12°	3.3mm		R L	A08382 A08383	A04982 A04983

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.



bracket&tubesystems

INTEGRA™ DESIGN
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM

Mandibular brackets

.018 Arch Slot				
Angulation	Torque	Width	Right/Left	
Central/Lateral				
0°	0°	2.3mm	R/L	M09320
Cuspid				
5°	7°	2.9mm		
Without hook			R L	M09324 M09325
With hook			R L	M09326 M09327
First/Second Bicuspid				
0°	0°	2.9mm		
Without hook			R/L	M09308
With hook			R L	M09311 M09310

Mandibular tubes

.018 Arch Slot							Tubes Only/ On Bands
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases		
First Molar							
Single convertible tube/bracekt with hook							
-5°	-24°	12°	3.8mm	R L	A08378 A08379		A04978 A04979
Single with hook without cap							
-5°	-24°	12°	3.8mm	R L	A08368 A08369		A04968 A04969
Preangulated. Torque in base.							
First Molar							
Double convertible with hook							
-5°	-24°	12°	3.8mm	R L	A08364 A08365		A04964 A04965
Preangulated. Torque in base.							
First Molar							
Double convertible with hook							
-5°	-24°	12°	3.8mm	R L	A08386 A08387		A04986 A04987
Auxiliary tube: 0° angulation, 0° torque, 0° DO							
Preangulated. Torque in base.							
Second Molar							
Single with hook							
-5°	-34°	6°	3.3mm	R L	A08390 A08391		A04990 A04991
Preangulated.							

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

KITS

Single Case, 20 Brackets

KM09300	Original Bioprogressive® Integra™ .018 without hook, 5-5
KM09301	Original Bioprogressive® Integra™ .018 hook on cuspid, 5-5
KM09302	Original Bioprogressive® Integra™ .018 hook on cuspid/bicuspid, 5-5

Red

Red



Maxillary brackets					.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left			
	Central					
	0°	0°	3.6mm	R/L	M09000	M09010
	Lateral					
	0°	0°	2.9mm	R/L	M09001	M09011
Cuspid/Bicuspid						
	0°	0°	2.9mm			
	Without hook			R/L	M09002	M09012
	With hook			R	M09004	M09014
				L	M09005	M09015

Mandibular brackets					.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left			
	Central/Lateral					
	0°	0°	2.3mm	R/L	M09006	M09016
Cuspid/Bicuspid						
	0°	0°	2.9mm			
	Without hook			R/L	M09002	M09012
	With hook			R	M09005	M09015
				L	M09004	M09014

KITS

Single Case, 20 Brackets

KM09000	Standard Edgewise Integra™ .018 without hook, 5-5
KM09010	Standard Edgewise Integra™ .022 without hook, 5-5
KM09001	Standard Edgewise Integra™ .018 hook on cuspid, 5-5
KM09011	Standard Edgewise Integra™ .022 hook on cuspid, 5-5
KM09002	Standard Edgewise Integra™ .018 hook on cuspid/bicuspid, 5-5
KM09012	Standard Edgewise Integra™ .022 hook on cuspid/bicuspid, 5-5



Maxillary brackets

.018 Arch Slot					.018 Arch Slot		
Angulation	Torque		Width	Right/Left	On Bases	On Bands	
Central						 Black	
0°	22°	Wide	3.8mm	R/L	M06300		
Lateral						 Black	
8°	14°	Medium	2.8mm	R L	M06302 M06303		
Cuspid						A06304  Black	
5°	7°	Medium	2.8mm	R/L			
				R L	M06304 M06305		
First/Second Bicuspid							
0°	0°	Medium	2.8mm	R/L	M06308	A06308	 Black
		Wide	3.8mm	R/L		A06348	

Mandibular brackets

.018 Arch Slot					.018 Arch Slot
Angulation	Torque	Width	Right/Left	On Bases	On Bands
Central/Lateral					 Red
0°	0°	Medium	2.8mm	R/L	
Cuspid/Bicuspid					 Red
5°	7°	Medium	2.8mm		
			R/L		
			R	M06324	
			L	M06325	
First/Second Bicuspid					 Red
0°	0°	Medium	2.8mm	R/L	
		Wide	3.8mm	R/L	
				M06328	A06308
					A06348

KITS

Single Case, 20 Brackets

KM06300	Standard Bioprogressive .018 without hook, 5-5
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Maxillary/Mandibular Bracket

.018 Arch Slot

Angulation	Torque	Width	Right/Left	On Base	Bracket Only
------------	--------	-------	------------	---------	--------------

Central/Lateral

0°	0°	1.32mm	R/L	M01777	A01777
Vertical Slot .019 x .020					

Cuspid/Bicuspid

0°	0°	1.32mm	R/L	M01779	A01777
Vertical Slot .019 x .020					

Light Wire Insert Pin

For A01777 Bracket. Specially-hardened stainless steel light wire insert pin designed for .016 (0.406mm) and .018 (0.457mm) wires. Pin provides light-wire functions during treatment. Also keeps cement from entering bandside slot.

A00739 PKG 100 Approx.

Maxillary/Mandibular Tubes

.018 Arch Slot

Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Base	Tube Only/ On Bands
------------	--------	---------------	-------	----------	------------	---------	------------------------

Triple

0°	0°	0°	4.6mm	.040 gingival	R/L	A08300	A06010
Auxiliary .045							

Double with Hook

0°	0°	0°	4.6mm	.040 gingival	Max. Left Mand. Right	A08302	A06012	
						Max. Right Mand. Left	A08303	A06013
without hook						R/L	A08304	A06014

Begg System
Maxillary/Mandibular brackets

Begg Type Light Wire Bracket

For .020 (0.508mm) arch wire

Central/Lateral

Cuspid/Bicuspid (small bonding base)

Cuspid/Bicuspid (large bonding base)

Insert Pins (Brass)

Brass Lok Pin for Bracket A01086 w/.016 (.0416mm) Wire

On Bases	Bracket Only/ On Bands
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A01086

A07934

A07935

A07933

Pkg. 100 approx.

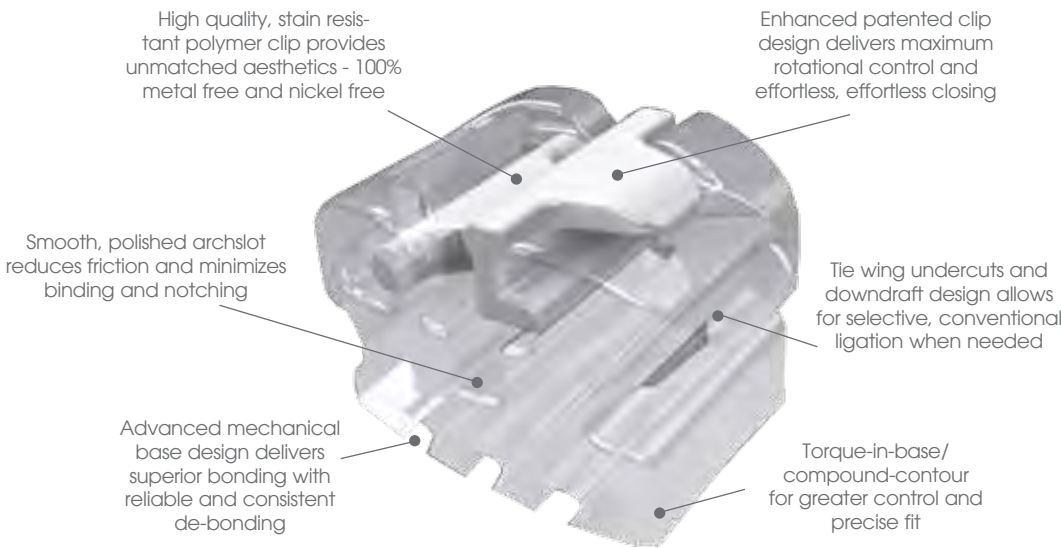
A01087



FLI® CSL- Ceramic Self-Ligating

RMO®'s FLI® CSL Brackets are passive self-ligating brackets that deliver superior performance and convenience together with unmatched aesthetics into one remarkable appliance system. FLI CSL's ceramic construction provides a 100% nickel-free solution with reliable strength and durability. The

high strength polymer clip offers aesthetic appeal without compromising strength or performance to support quick wire changes and reduced chairtime.



TO OPEN



1 SLIDE CLIP TOWARD HINGE

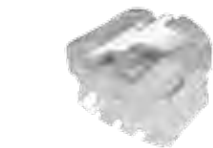
2 ROTATE CLIP OPEN

TO CLOSE



1 ROTATE CLIP CLOSED

2 SLIDE FORWARD UNTIL CLIP ENGAGES INTO LOCKED POSITION - AUDIBLE CLICK OFTEN OCCURS WHEN CLIP ENGAGES INTO LOCKED POSITION



Maxillary brackets

					.018 Arch Slot	.022 Arch Slot	
Angulation	Torque	Rotation	Width	Right/Left			
Central							
5°	12°	0°	3.6mm	R L	Q04300 Q04301	Q04400 Q04401	Red
Lateral							
9°	8°	0°	3.6mm	R L	Q04302 Q04303	Q04402 Q04403	Blue
Cuspid							
11°	0°	4° MO	3.6mm				
Without hook				R L	Q04304 Q04305	Q04404 Q04405	
With hook				R L	Q04306 Q04307	Q04406 Q04407	Green
First/Second Bicuspid							
0°	-7°	0°	3.6mm				
Without hook				R/L	Q04308	Q04408	Black
With hook				R/L	Q04310	Q04410	

Maxillary tubes

							.018 Arch Slot	.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
First Molar									
Single convertible with hook									
0°	-10°	15°	3.8mm		R	A08634	A05664	A08636	A05692
Torque in base.						L	A08635	A05665	A08637
First Molar									
Double convertible with hook									
0°	-14°	14°	3.8mm	.045 gingival	R	A08600	A05650	A08620	A05670
Torque in base.						L	A08601	A05651	A08621
First Molar									
Double convertible with hook									
0°	-14°	14°	4.2mm	.045 occlusal	R	A08602	A05652	A08622	A05672
Torque in base.						L	A08603	A05653	A08623
First Molar									
Double convertible with hook									
0°	-14°	14°	3.8mm		R	A08684	A05684	A08686	A05686
						L	A08685	A05685	A08687
First Molar									
Double with hook without cap									
0°	-14°	14°	3.8mm		R	A08688	A05688	A08690	A05690
Torque in base.						L	A08689	A05689	A08691
First Molar									
Triple convertible with hook									
0°	-14°	14°	3.8mm	.045 occlusal	R	A08604	A05654	A08624	A05674
Torque in base.						L	A08605	A05655	A08625
Second Molar									
Single with hook									
0°	-14°	14°	3.3mm		R	A08606	A05656	A08626	A05676
						L	A08607	A05657	A08627

KITS

Single Case, 6 Brackets

- KQ04303 Roth FLI® Ceramic Self Ligating (CSL) .018, U without hook, 3-3
- KQ04403 Roth FLI® Ceramic Self Ligating (CSL) .022, U without hook, 3-3

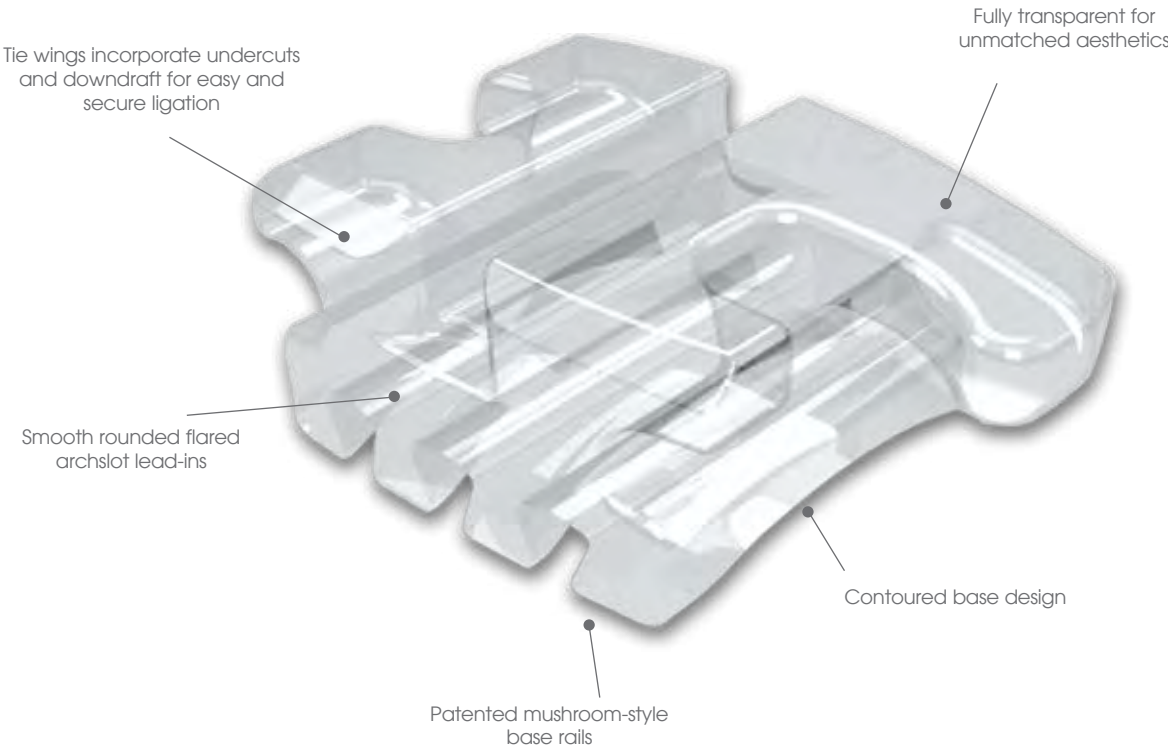
- KQ04304 Roth FLI® Ceramic Self Ligating (CSL) .018, U hook cuspid, 3-3
- KQ04404 Roth FLI® Ceramic Self Ligating (CSL) .022, U hook cuspid, 3-3

Single Case, 10 Brackets

- KQ04305 Roth FLI® Ceramic Self Ligating (CSL) .018, U without hook, 5-5
- KQ04405 Roth FLI® Ceramic Self Ligating (CSL) .022, U without hook, 5-5
- KQ04306 Roth FLI® Ceramic Self Ligating (CSL) .018, U hook cuspid/bicuspid, 5-5
- KQ04406 Roth FLI® Ceramic Self Ligating (CSL) .022, U hook cuspid/bicuspid, 5-5

FLI® Signature Clear

RMO®'s FLI® Signature Clear Brackets offer natural aesthetic appeal to patients with the same reliable functionality preferred by doctors.



bracket&tubesystems

FLI® SIGNATURE CLEAR CERAMIC RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



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FLI® SIGNATURE CLEAR CERAMIC RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Maxillary brackets						.018 Arch Slot	.022 Arch Slot
	Angulation	Torque	Rotation	Width	Right/Left		
Red 	Central 5°	12°	0°	3.9mm	R	Q07200 Q07201	Q07300 Q07301
					L		
Blue 	Lateral 9°	8°	0°	3.4mm	R	Q07202 Q07203	Q07302 Q07303
					L		
Green 	Cuspid 11°	0°	4° MO	3.3mm	R	Q07204 Q07205	Q07304 Q07305
					L		
	Without hook				R	Q07206 Q07207	Q07306 Q07307
					L		
Black 	First/Second Bicuspid 0°	-7°	0°	3.3mm	R/L	Q07208 Q07210	Q07308 Q07310
					R/L		

Maxillary tubes										.018 Arch Slot	.022 Arch Slot
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands		On Bases	Tubes Only/ On Bands
	First Molar Single convertible with hook 0°	-10°	15°	3.8mm		R	A08634 A08635	A05664 A05665		A08636 A08637	A05692 A05693
						L					
	First Molar Double convertible with hook 0°	-14°	14°	3.8mm	.045 gingival	R	A08600 A08601	A05650 A05651		A08620 A08621	A05670 A05671
						L					
	First Molar Double convertible with hook 0°	-14°	14°	4.2mm	.045 occlusal	R	A08602 A08603	A05652 A05653		A08622 A08623	A05672 A05673
						L					
	First Molar Double convertible with hook 0°	-14°	14°	3.8mm		R	A08684 A08685	A05684 A05685		A08686 A08687	A05686 A05687
						L					
	Double with hook without cap 0°	-14°	14°	3.8mm		R	A08688 A08689	A05688 A05689		A08690 A08691	A05690 A05691
						L					
	First Molar Triple convertible with hook 0°	-14°	14°	3.8mm	.045 occlusal	R	A08604 A08605	A05654 A05655		A08624 A08625	A05674 A05675
						L					
	Second Molar Single with hook 0°	-14°	14°	3.3mm		R	A08606 A08607	A05656 A05657		A08626 A08627	A05676 A05677
						L					

Mandibular brackets					.018 Arch Slot		.022 Arch Slot			
Angulation	Torque	Rotation	Width	Right/Left						
Central/Lateral										Orange
0°	0°	0°	2.8mm	R/L		Q07220		Q07320		
Cuspid										
5°	-11°	2° MO	3.3mm							
Without hook				R		Q07224		Q07324		
				L		Q07225		Q07325		
With hook				R		Q07226		Q07326		Purple
				L		Q07227		Q07327		
First Bicuspid										Yellow
0°	-17°	0°	3.4mm							
Without hook				R/L		Q07228		Q07328		
With hook				R/L		Q07230		Q07330		
Second Bicuspid										Pink
0°	-22°	0°	3.4mm							
Without hook				R/L		Q07232		Q07332		
With hook				R/L		Q07234		Q07334		

Mandibular tubes										.018 Arch Slot	.022 Arch Slot
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands		On Bases	Tubes Only/ On Bands
	First Molar Single convertible with hook -1°	-30°	0°	3.8mm		R	A08638 A08639	A05666 A05667		A08640 A08641	A05694 A05695
						L					
	First Molar Double convertible with hook -1°	-30°	4°	3.8mm		R	A08608 A08609	A05658 A05659		A08628 A08629	A05678 A05679
						L					
	First Molar Triple with hook -1°	-30°	4°	3.8mm	.045 occlusal	R	A08610 A08611	A05660 A05661		A08630 A08631	A05680 A05681
						L					
	Second Molar Single with hook -1°	-30°	4°	3.3mm		R	A08612 A08613	A05662 A05663		A08632 A08633	A05682 A05683
						L					

KITS

Single Case, 20 Brackets

KQ07200	Roth FLI® Signature Clear .018, U/L without hook, 5-5	KQ07300	Roth FLI® Signature Clear .022, U/L without hook, 5-5
KQ07201	Roth FLI® Signature Clear .018, U/L w/hook cuspid, 5-5	KQ07301	Roth FLI® Signature Clear .022, U/L w/hook cuspid, 5-5
KQ07202	Roth FLI® Signature Clear .018, U/L w/hook cuspid/bi, 5-5	KQ07302	Roth FLI® Signature Clear .022, U/L w/hook cuspid/bi, 5-5

Single Case, 6 Brackets

KQ07203	Roth FLI® Signature Clear .018, U w/hook cuspid, 3-3	KQ07303	Roth FLI® Signature Clear .022, U w/hook cuspid, 3-3
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Single Case, 12 Brackets

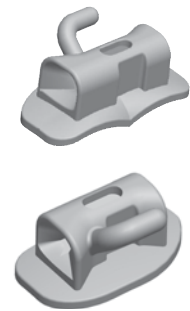
KQ07204	Roth FLI® Signature Clear .018, U/L without hook, 3-3	KQ07304	Roth FLI® Signature Clear .022, U/L without hook, 3-3
KQ07205	Roth FLI® Signature Clear .018, U/L w/hook cuspid, 3-3	KQ07305	Roth FLI® Signature Clear .022, U/L w/hook cuspid, 3-3

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FLI® SIGNATURE CLEAR CERAMIC
RMO® VERSION OF MBT



Maxillary brackets					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left				
 Red	Central							
	4°	17°	3.9mm	R L	Q07400 Q07401		Q07500 Q07501	
 Blue	Lateral							
	8°	10°	3.4mm	R L	Q07402 Q07403		Q07502 Q07503	
 Green	Cuspid							
	8°	-7°	3.3mm					
	Without hook			R L	Q07414 Q07415		Q07514 Q07515	
	With hook			R L	Q07416 Q07417		Q07516 Q07517	
	8°	0°	3.3mm					
	Without hook (extraction cases)			R L	Q07404 Q07405		Q07504 Q07505	
 Black	First/Second Bicuspid							
	0°	-7°	3.3mm					
	Without hook			R/L	Q07408		Q07508	
	With hook			R/L	Q07410		Q07510	

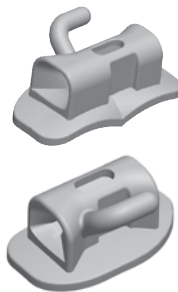


Maxillary tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar									
Single with Hook									
0°	-14°	10°	4.6mm		R	A08562	A05422	A08566	A05522
					L	A08563	A05423	A08567	A05523
Second Molar									
Single with Hook									
0°	-14°	10°	3.6mm		R	A08564	A05424	A08568	A05524
					L	A08565	A05425	A08569	A05525



Mandibular brackets					.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Width	Right/Left					
Central/Lateral								
0°	-6°	2.8mm	R/L		Q07422		Q07522	
Cuspid								
3°	-6°	3.3mm	R L	Without hook				
					Q07436 Q07437		Q07536 Q07537	
			R L	With hook	Q07438 Q07439		Q07538 Q07539	
3°	0°	3.3mm	R L	Without hook (extraction cases)				
					Q07424 Q07425		Q07524 Q07525	
			R L	With hook (extraction cases)	Q07426 Q07427		Q07526 Q07527	
First Bicuspid								
0°	-12°	3.4mm	R/L	Without hook				
					Q07428		Q07528	
			R/L	With hook	Q07430		Q07530	
Second Bicuspid								
0°	-17°	3.4mm	R/L	Without hook				
					Q07432		Q07532	
			R/L	With hook	Q07434		Q07534	

Mandibular tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar									
Single with Hook									
0°	-20°	0°	4.6mm		R	A08572	A05426	A08576	A05526
					L	A08573	A05427	A08577	A05527
Second Molar									
Single with Hook									
0°	-10°	0°	3.6mm		R	A08574	A05428	A08578	A05528
					L	A08575	A05429	A08579	A05529



bracket&tubesystems

FLI® SIGNATURE CLEAR CERAMIC
RMO® VERSION OF MBT



bracket&tubesystems

FLI® SIGNATURE CLEAR CERAMIC
RICKETTS® BIOPROGRESSIVE® SYSTEM

KITS

Single Case, 20 Brackets

- KQ07400** MBT FLI® Signature Clear .018, U/L without hook, 5-5
KQ07500 MBT FLI® Signature Clear .022, U/L without hook, 5-5

- KQ07401** MBT FLI® Signature Clear .018, U/L hook cuspid, 5-5
KQ07501 MBT FLI® Signature Clear .022, U/L hook cuspid, 5-5

- KQ07402** MBT FLI® Signature Clear .018, U/L hook cuspid/bicuspid, 5-5
KQ07502 MBT FLI® Signature Clear .022, U/L hook cuspid/bicuspid, 5-5

Single Case, 6 Brackets

- KQ07403** MBT FLI® Signature Clear .018, U hook cuspid, 3-3
KQ07503 MBT FLI® Signature Clear .022, U hook cuspid, 3-3

Single Case, 12 Brackets

- KQ07404** MBT FLI® Signature Clear .018, U/L without hook, 3-3
KQ07504 MBT FLI® Signature Clear .022, U/L without hook, 3-3

- KQ07405** MBT FLI® Signature Clear .018, U/L hook cuspid, 3-3
KQ07505 MBT FLI® Signature Clear .022, U/L hook cuspid, 3-3

Extraction Case

Single Case, 20 Brackets

- KQ07406** MBT FLI® Signature Clear 0° T cuspid .018, U/L without hook, 5-5
KQ07506 MBT FLI® Signature Clear 0° T cuspid .022, U/L without hook, 5-5

- KQ07407** MBT FLI® Signature Clear 0° T cuspid .018, U/L hook cuspid, 5-5
KQ07507 MBT FLI® Signature Clear 0° T cuspid .022, U/L hook cuspid, 5-5

- KQ07408** MBT FLI® Signature Clear 0° T cuspid .018, U/L hook cuspid/bicuspid, 5-5
KQ07508 MBT FLI® Signature Clear 0° T cuspid .022, U/L hook cuspid/bicuspid, 5-5

Single Case, 6 Brackets

- KQ07409** MBT FLI® Signature Clear 0° T cuspid .018, U hook cuspid, 3-3
KQ07509 MBT FLI® Signature Clear 0° T cuspid .022, U hook cuspid, 3-3

Single Case, 12 Brackets

- KQ07410** MBT FLI® Signature Clear 0° T cuspid .018, U/L without hook, 3-3
KQ07510 MBT FLI® Signature Clear 0° T cuspid .022, U/L without hook, 3-3

- KQ07411** MBT FLI® Signature Clear 0° T cuspid .018, U/L hook cuspid, 3-3
KQ07511 MBT FLI® Signature Clear 0° T cuspid .022, U/L hook cuspid, 3-3

Maxillary brackets

.018 Arch Slot				
Angulation	Torque	Width	Right/Left	
Central				
0°	22°	3.9mm	R/L	Q07600
Lateral				
8°	14°	3.4mm	R L	Q07602 Q07603
Cuspid				
5°	7°	3.3mm		
Without hook			R L	Q07604 Q07605
With hook			R L	Q07606 Q07607
First/Second Bicuspid				
0°	0°	3.3mm		
With hook			R/L	Q07610



Red



Blue



Green



Brown

Maxillary tubes*

.018 Arch Slot							
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands
First Molar							
Triple convertible with hook							
0°	0°	15°	3.8mm	.045 gingival	R L	A08360 A08361	A04960 A04961
Second Molar							
Single with hook							
0°	0°	12°	3.3mm		R L	A08382 A08383	A04982 A04983



*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

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FLI® SIGNATURE CLEAR CERAMIC
RICKETTS® BIOPROGRESSIVE® SYSTEM



Mandibular brackets

.018 Arch Slot

	Angulation	Torque	Width	Right/Left	
Orange 	Central/Lateral				
	0°	0°	2.8mm	R/L	Q07620
	Cuspid				
Purple 	5°	7°	3.3mm		
	Without hook			R	Q07624
				L	Q07625
	With hook			R	Q07626
				L	Q07627
Brown 	First/Second Bicuspid				
	0°	0°	3.3mm	R/L	Q07610

Mandibular tubes

.018 Arch Slot

	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands
	First Molar						
	Single convertible tube/bracekt with hook						
	-5°	-24°	12°	3.8mm	R	A08378	A04978
					L	A08379	A04979
	Single with hook without cap						
	-5°	-24°	12°	3.8mm	R	A08368	A04968
	Preangulated. Torque in base.						
					L	A08369	A04969
	Double convertible with hook						
	-5°	-24°	12°	3.8mm	R	A08364	A04964
	Preangulated. Torque in base.						
					L	A08365	A04965
	First Molar						
	Double convertible with hook						
	-5°	-24°	12°	3.8mm	R	A08386	A04986
	Auxiliary tube: 0° angulation, 0° torque, 0° DO						
	Second Molar						
	Single with hook						
	-5°	-34°	6°	3.3mm	R	A08390	A04990
	Preangulated.						
					L	A08391	A04991

KITS

Single Case, 20 Brackets, .018" arch slot

KQ07602 FLI® Signature Clear Ricketts® Bioprogressive® Technique U/L, w/hook cuspid/bicuspid, 5-5

Single Case, 6 Brackets, .018" arch slot

KQ07603 FLI® Signature Clear Ricketts® Bioprogressive® Technique U, w/hook cuspid, 3-3

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SIGNATURE III

Signature III

Self-confidence for you and your patients

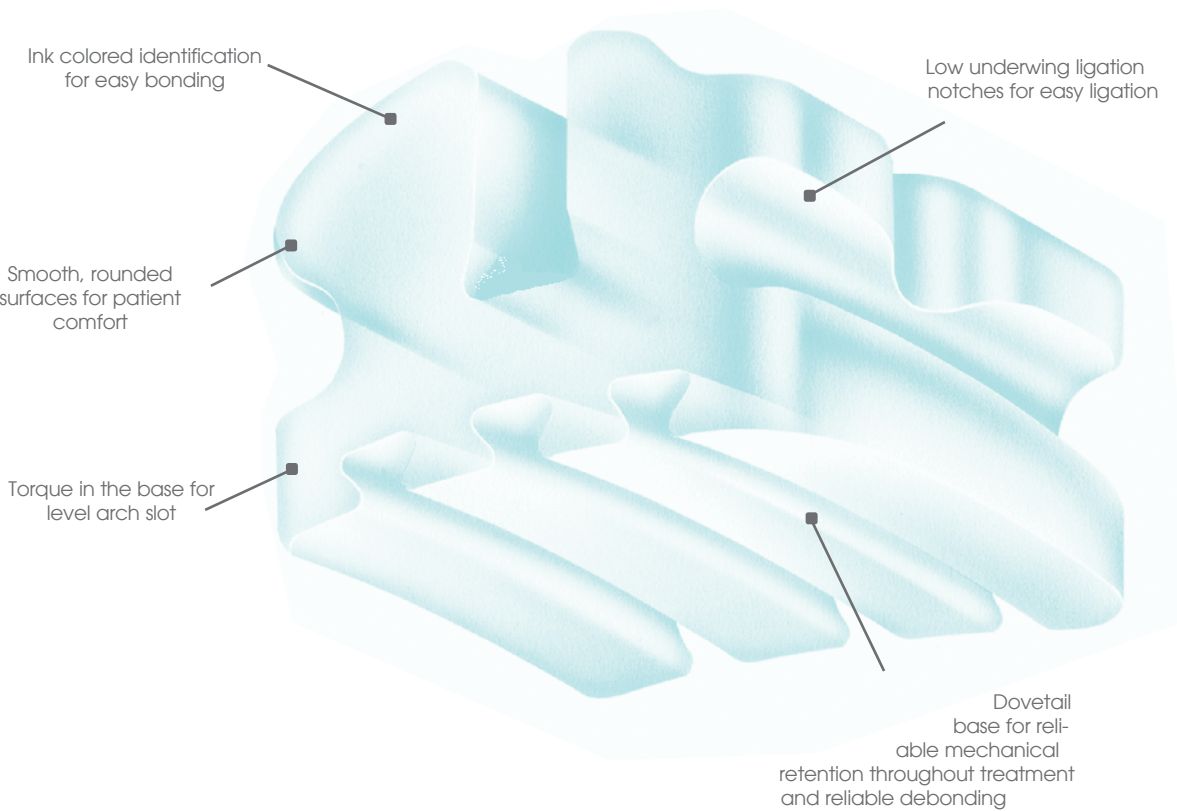
The **Signature III** ceramic brackets preform as good as they look, almost invisible.

Ceramic is strong, translucent, and it doesn't absorb moisture, or weaken or discolor.

Ceramic has smooth, rounded edges to prevent arch wire binding and cutting of elastomerics.

Dovetail base

Easy bonding and debonding. Signature III's base has a patented dovetail design that enhances bond strength while allowing it to debond easily. Each base matches various tooth shapes. This gives the adhesive a large surface area—free of air pockets, so a sturdy, mechanical bond can form. This winning combination gives the ability to use all chemical and light cure bonding systems.



bracket&tubesystems

SIGNATURE III CERAMIC RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
Red 	Central								
	5°	12°	0°	3.8mm	R L	Q03010 Q03011	Q03030 Q03031		
Blue 	Lateral								
	9°	8°	0°	3.2mm	R L	Q03012 Q03013	Q03032 Q03033		
Green 	Cuspid								
	11°	0°	4° MO	3.2mm					
	Without hook					R L	Q03018 Q03017	Q03038 Q03037	
	With hook					R L	Q03014 Q03015	Q03034 Q03035	
Black 	First/Second Bicuspid								
	0°	-7°	0°	3.3mm					
	Without hook					R/L	Q03019	Q03039	
	With hook					R/L	Q03016	Q03036	

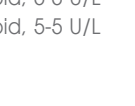
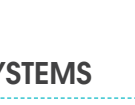
Maxillary tubes											.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands				
	First Molar													
	Single convertible with hook													
	0°	-10°	15°	3.8mm		R L	A08634 A08635	A05664 A05665	A08636 A08637	A05692 A05693				
	Torque in base.													
	First Molar													
	Double convertible with hook													
	0°	-14°	14°	3.8mm	.045 gingival	R L	A08600 A08601	A05650 A05651	A08620 A08621	A05670 A05671				
	Torque in base.													
	First Molar													
	Double convertible with hook													
	0°	-14°	14°	4.2mm	.045 occlusal	R L	A08602 A08603	A05652 A05653	A08622 A08623	A05672 A05673				
	Torque in base.													
	First Molar													
	Double convertible with hook													
	0°	-14°	14°	3.8mm		R L	A08684 A08685	A05684 A05685	A08686 A08687	A05686 A05687				
	Double with hook without cap													
	0°	-14°	14°	3.8mm		R L	A08688 A08689	A05688 A05689	A08690 A08691	A05690 A05691				
	Torque in base.													
	First Molar													
	Triple convertible with hook													
	0°	-14°	14°	3.8mm	.045 occlusal	R L	A08604 A08605	A05654 A05655	A08624 A08625	A05674 A05675				
	Torque in base.													
	Second Molar													
	Single with hook													
	0°	-14°	14°	3.3mm		R L	A08606 A08607	A05656 A05657	A08626 A08627	A05676 A05677				



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SIGNATURE III CERAMIC RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets						.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left				
Central/Lateral									
0°	0°	0°	2.7mm	R/L		Q03029	Q03049		Orange 
Cuspid									
5°	-11°	2° MO	3.2mm						
Without hook						R L	Q03025 Q03026	Q03045 Q03046	Purple 
With hook						R L	Q03021 Q03022	Q03041 Q03042	
First Bicuspid									
0°	-17°	0°	3.3mm						
Without hook						R/L	Q03027	Q03047	Yellow 
With hook						R/L	Q03023	Q03043	
Second Bicuspid									
0°	-22°	0°	3.3mm						
Without hook						R/L	Q03028	Q03048	Pink 
With hook						R/L	Q03024	Q03044	

Mandibular tubes											.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands				
	First Molar													
	Single convertible with hook													
	-1°	-30°	0°	3.8mm		R L	A08638 A08639	A05666 A05667	A08640 A08641	A05694 A05695				
	Not preangulated. Torque in base.													
	First Molar													
	Double convertible with hook													
	-1°	-30°	4°	3.8mm		R L	A08608 A08609	A05658 A05659	A08628 A08629	A05678 A05679				
	Not preangulated. Torque in base.													
	First Molar													
	Triple with hook													
	-1°	-30°	4°	3.8mm	.045 occlusal	R L	A08610 A08611	A05660 A05661	A08630 A08631	A05680 A05681				
	Not preangulated. Torque in base.													
	Second Molar													
	Single with hook													
	-1°	-30°	4°	3.3mm		R L	A08612 A08613	A05662 A05663	A08632 A08633	A05682 A05683				
	Not preangulated.													

KITS

Single Case, 6 Brackets

KQ03013	Roth SIG III .018 hook on cuspid, 3-3 U
KQ03033	Roth SIG III .022 hook on cuspid, 3-3 U

Single Case, 12 Brackets

KQ03020	Roth SIG III .018 without hook,3-3 U/L
KQ03040	Roth SIG III .022 without hook,3-3 U/L
KQ03022	Roth SIG III .018 hook on cuspid,3-3 U/L
KQ03042	Roth SIG III .022 hook on cuspid,3-3 U/L

Single Case, 20 Brackets

KQ03024	Roth SIG III .018 without hook, 5-5 U/L
KQ03044	Roth SIG III .022 without hook, 5-5 U/L
KQ03025	Roth SIG III .018 hook on cuspid, 5-5 U/L
KQ03045	Roth SIG III .022 hook on cuspid, 5-5 U/L
KQ03026	Roth SIG III .018 hook on cuspid/bicuspid, 5-5 U/L
KQ03046	Roth SIG III .022 hook on cuspid/bicuspid, 5-5 U/L

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SIGNATURE III CERAMIC
RMO® VERSION OF MBT



Maxillary brackets					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left				
Red 	Central							
	4°	17°	3.9mm	R L	Q03200 Q03201	Q03300 Q03301		
Blue 	Lateral							
	8°	10°	3.4mm	R L	Q03202 Q03203	Q03302 Q03303		
Green 	Cuspid							
	8°	-7°	3.3mm					
	With hook			R L	Q03216 Q03217	Q03316 Q03317		
	8°	0°	3.3mm					
Black 	First/Second Bicuspid							
	With hook (extraction cases)			R L	Q03206 Q03207	Q03306 Q03307		
	0°	-7°	3.3mm	R/L	Q03210	Q03310		



Maxillary tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands				On Bases	Tube Only/ On Bands
First Molar													
	Single with Hook												
	0°	-14°	10°	4.6mm		R	A08562	A05422	A08566	A05522			
						L	A08563	A05423	A08567	A05523			
Second Molar													
	Single with Hook												
	0°	-14°	10°	3.6mm		R	A08564	A05424	A08568	A05524			
						L	A08565	A05425	A08569	A05525			



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SIGNATURE III CERAMIC
RMO® VERSION OF MBT

Mandibular brackets					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left				
Central/Lateral	0°	-6°	2.8mm	R/L	Q03220	Q03320		
	Cuspid							
	3°	-6°	3.4mm					
	With hook			R L	Q03236 Q03237	Q03336 Q03337		
	3°	0°	3.4mm					
	With hook (extraction cases)			R L	Q03226 Q03227	Q03326 Q03327		
First Bicuspid	2°	-12°	3.4mm					
	With hook			R L	Q03230 Q03231	Q03330 Q03331		
Second Bicuspid	2°	-17°	3.4mm					
	With hook			R L	Q03234 Q03235	Q03334 Q03335		



Mandibular tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands				On Bases	Tube Only/ On Bands
First Molar													
	Single with Hook												
	0°	-20°	0°	4.6mm		R	A08572	A05426	A08576	A05526			
						L	A08573	A05427	A08577	A05527			
Second Molar													
	Single with Hook												
	0°	-10°	0°	3.6mm		R	A08574	A05428	A08578	A05528			
						L	A08575	A05429	A08579	A05529			



KITS

Single Case, 20 Brackets

KQ03202 MBT Signature III -6°T cuspid, .018, hook on cuspid/bicuspid, 5-5

KQ03302 MBT Signature III -6°T cuspid, .022, hook on cuspid/bicuspid, 5-5

Extraction Case

KQ03205 MBT Signature III 0°T cuspid, .018, hook on cuspid/bicuspid, 5-5

KQ03305 MBT Signature III 0°T cuspid, .022, hook on cuspid/bicuspid, 5-5

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SIGNATURE III CERAMIC
RICKETTS® ORIGINAL BIOPROGRESSIVE® SYSTEM



Maxillary brackets					
.018 Arch Slot					
	Angulation	Torque	Width	Right/Left	
Red 	Central				
	0°	22°	3.9mm	R/L	Q08000
Blue 	Lateral				
	9°	14°	3.2mm	R	Q08002
Green 	Cuspid				
	5°	7°	3.3mm		
	Without hook			R	Q08004
				L	Q08005
	With hook			R	Q08006
Brown 	First/Second Bicuspid				
	0°	0°	3.3mm		
	With hook			R/L	Q08020

Maxillary tubes*								
.018 Arch Slot								
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands
	First Molar							
	Triple convertible with hook							
	0°	0°	15°	3.8mm	.045 gingival	R	A08360	A04960
						L	A08361	A04961
	Second Molar							
	Single with hook							
	0°	0°	12°	3.3mm		R	A08382	A04982
						L	A08383	A04983

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

Mandibular brackets

.018 Arch Slot				
Angulation	Torque	Width	Right/Left	
Central/Lateral				
0°	0°	2.7mm	R/L	Q08022
Cuspid				
5°	7°	3.3mm		
Without hook			R	Q08012
			L	Q08013
With hook			R	Q08014
			L	Q08015
First/Second Bicuspid				
0°	0°	3.3mm		
With hook			R/L	Q08020

Mandibular tubes

Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands		
First Molar								
Single convertible tube/bracekt with hook								
-5°	-24°	12°	3.8mm	R	A08378	A04978		
				L	A08379	A04979		
Single with hook without cap								
-5°	-24°	12°	3.8mm	R	A08368	A04968		
Preangulated. Torque in base.				L	A08369	A04969		
Double convertible with hook								
-5°	-24°	12°	3.8mm	R	A08364	A04964		
Preangulated. Torque in base.				L	A08365	A04965		
First Molar								
Double convertible with hook								
-5°	-24°	12°	3.8mm	R	A08386	A04986		
Auxiliary tube: 0° angulation, 0° torque, 0° DO				L	A08387	A04987		
Preangulated. Torque in base.								
Second Molar								
Single with hook								
-5°	-34°	6°	3.3mm	R	A08390	A04990		
Preangulated.				L	A08391	A04991		

KITS

Single Case, 12 Brackets

KQ08002 Ricketts® Original Bioprogressive® Signature III .018, hook on cuspid, 3-3 U/L

Single Case, 20 Brackets

KQ08003 Ricketts® Original Bioprogressive® Signature III .018, hook on cuspid/bicuspid, 5-5 U/L

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SIGNATURE III CERAMIC
RMO® BIOPROGRESSIVE® SYSTEM



Maxillary brackets

.018 Arch Slot					
	Angulation	Torque	Width	Right/Left	
 Red	Central				
	0°	22°	3.9mm	R/L	Q08100
 Blue	Lateral				
	9°	14°	3.2mm	R L	Q08102 Q08103
 Green	Cuspid				
	5°	7°	3.3mm		
	Without hook			R L	Q08104 Q08105
	With hook			R L	Q08106 Q08107
 Black	First/Second Bicuspid				
	0°	-7°	3.3mm	R/L	Q08108

Maxillary tubes

.018 Arch Slot								
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands
	First Molar							
	Single convertible tube/bracket with hook							
	0°	-10°	15°	3.8mm		R L	A08294 A08295	A01194 A01195
	First Molar							
	Double convertible with hook							
	0°	-10°	15°	3.8mm		R L	A08078 A08079	A01178 A01179
	First Molar							
	Triple convertible with hook							
	0°	-10°	15°	3.8mm	.045 occlusal	R L	A08060 A08061	A01160 A01161
	Second Molar							
	Single with hook							
	0°	-10°	12°	3.3mm		R L	A08062 A08063	A01162 A01163



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SIGNATURE III CERAMIC
RMO® BIOPROGRESSIVE® SYSTEM

Mandibular brackets

.018 Arch Slot					
	Angulation	Torque	Width	Right/Left	
 Orange	Central/Lateral				
	0°	0°	2.7mm	R/L	Q08120
	Cuspid				
	5°	7°	3.3mm		
	Without hook			R L	Q08112 Q08113
	With hook			R L	Q08114 Q08115
	First Bicuspid				
	0°	-17°	3.3mm	R/L	Q08116
	Second Bicuspid				
	0°	-22°	3.3mm	R/L	Q08118

Mandibular tubes*

.018 Arch Slot							
	Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tubes Only/ On Bands
	First Molar						
	Single convertible tube/bracket with hook						
	-5°	-27°	6°	3.8mm	R L	A08298 A08299	A01198 A01199
	Single with hook without cap						
	-5°	-27°	6°	3.8mm	R L	A08296 A08297	A01196 A01197
	Preangulated. Torque in base.						
	First Molar						
	Double convertible with hook						
	-5°	-27°	6°	3.8mm	R L	A08064 A08065	A01164 A01165
	Second Molar						
	Single with hook						
	-5°	-27°	6°	3.3mm	R L	A08066 A08067	A01166 A01167

*For more optional Bioprogressive® tubes, please refer to the Bioprogressive tubes catalog section.

KITS

Single Case, 12 Brackets
KQ08102 RMO® Bioprogressive® Signature III .018, hook on cuspid, 3-3 U/L

Single Case, 20 Brackets
KQ08103 RMO® Bioprogressive® Signature III .018, hook on cuspid/bicuspid, 5-5 U/L

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SIGNATURE III CERAMIC
STANDARD EDGEWISE SYSTEM



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LUXI® II
CERAMIC BRACKETS

Maxillary brackets					.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left			
	Central					
	0°	0°	3.9mm	R/L	Q09000	Q09020
	Lateral					
	0°	0°	3.3mm	R/L	Q09002	Q09022
	Cuspid					
	0°	0°	3.3mm			
	Without hook			R/L	Q09004	Q09024
	Bicuspid					
	0°	0°	3.3mm			
	Without hook			R/L	Q09006	Q09026

Mandibular brackets					.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left			
	Central/Lateral					
	0°	0°	2.8mm	R/L	Q09008	Q09028
	Cuspid					
	0°	0°	3.3mm			
	Without hook			R/L	Q09004	Q09024
	Bicuspid					
	0°	0°	3.3mm			
	Without hook			R/L	Q09006	Q09026

KITS

Single Case, 6 Brackets

- KQ09041 Standard Edgewise Signature III .018, 3-3 U
- KQ09061 Standard Edgewise Signature III .022, 3-3 U

Single Case, 12 Brackets

- KQ09000 Standard Edgewise Signature III .018, 3-3 U/L
- KQ09060 Standard Edgewise Signature III .022, 3-3 U/L

Single Case, 20 Brackets

- KQ09042 Standard Edgewise Signature III .018, 5-5 U/L
- KQ09062 Standard Edgewise Signature III .022, 5-5 U/L

LUXI® II

Ceramic brackets with the functionality of metal brackets

These brackets give your patients the look they want and give you the functionality you need. LUXI II® gives you reduced friction for enhanced sliding mechanics and reduced treatment time, easy debonding, the aesthetics of ceramics, and the strength of metal all in one bracket.

Reduced friction

LUXI II is a reduced-friction ceramic bracket containing a biocompatible gold arch slot insert. This patented feature enhances sliding mechanics by reducing friction as compared to conventional ceramics.

Mechanical features

- The LUXI II ceramic bracket is produced from extruded alumina. It is not a machined bracket. It will not fail prematurely from cracking due to internal stress.
- LUXI II contains an 18-karat (75%) gold insert, which is similar in composition to high-quality gold crown and bridge alloys.

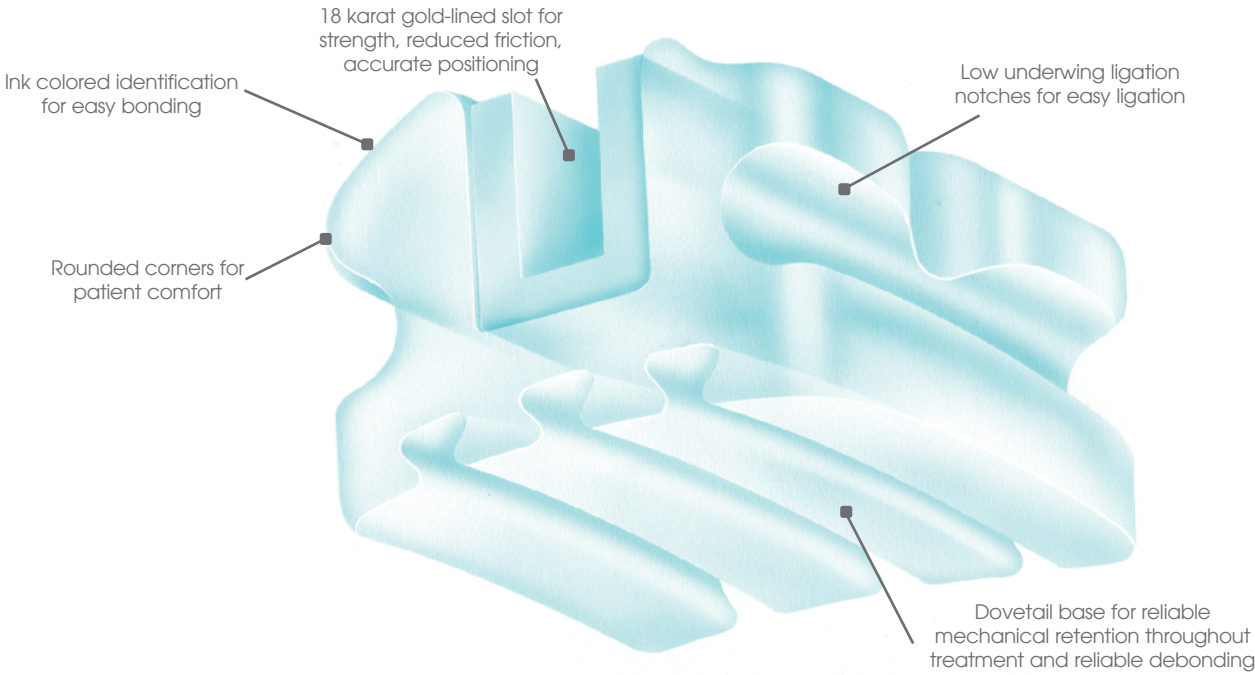
- Studies show that a greater torque can be applied to a bracket with a gold insert before the bracket breaks, or a full-size wire engaged in the bracket twists, than for a bracket with a stainless steel insert or an all-ceramic bracket.

Bonding/Debonding

Easy bonding and debonding. LUXI II's base has a patented dovetail design that enhances bond strength while allowing it to debond easily. Each base matches various tooth shapes. This gives the adhesive a large surface area - free of air pockets, so a sturdy, mechanical bond can form. This winning combination gives the ability to use all chemical and light cure bonding systems.

Patient acceptance

The unmatched combination of aesthetics with gold strength. The translucence of ceramic mirrors the natural look of enamel. This will be your patient's first choice.



bracket&tubesystems

LUXI® II – GOLD-REINFORCED CERAMIC RMO® VERSION
OF ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets						.018 Arch Slot	.022 Arch Slot			
	Angulation	Torque	Rotation	Width	Right/Left					
 Red	Central 5°	12°	0°	3.8mm	R	Q03060	Q03080			
					L			Q03061	Q03081	
 Blue	Lateral 9°	8°	0°	3.2mm	R	Q03062	Q03082			
					L			Q03063	Q03083	
 Green	Cuspid 11°	0°	4° MO	3.2mm						
	Without hook				R	Q03068	Q03088			
					L			Q03067	Q03087	
	With hook				R	Q03064	Q03084			
					L			Q03065	Q03085	
 Black	First/Second Bicuspid 0° -7° 0° 3.3mm									
	Without hook				R/L	Q03069	Q03089			
	With hook				R/L			Q03066	Q03086	

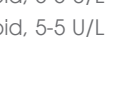
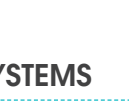
Maxillary tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands		On Bases		On Bases	Tubes Only/ On Bands
	First Molar Single convertible with hook												
	0°	-10°	15°	3.8mm									
	Torque in base.					R	A08634	A05664		A08636		A05692	
						L	A08635	A05665		A08637		A05693	
	First Molar Double convertible with hook												
	0°	-14°	14°	3.8mm	.045 gingival								
	Torque in base.					R	A08600	A05650		A08620		A05670	
						L	A08601	A05651		A08621		A05671	
	First Molar Double convertible with hook												
	0°	-14°	14°	4.2mm	.045 occlusal								
	Torque in base.					R	A08602	A05652		A08622		A05672	
						L	A08603	A05653		A08623		A05673	
	First Molar Double convertible with hook												
	0°	-14°	14°	3.8mm									
	Double with hook without convertible cap					R	A08688	A05688		A08690		A05690	
	Torque in base.					L	A08689	A05689		A08691		A05691	
	First Molar Triple convertible with hook												
	0°	-14°	14°	3.8mm	.045 occlusal								
	Torque in base.					R	A08604	A05654		A08624		A05674	
						L	A08605	A05655		A08625		A05675	
	Second Molar Single with hook												
	0°	-14°	14°	3.3mm									
						R	A08606	A05656		A08626		A05676	
						L	A08607	A05657		A08627		A05677	



bracket&tubesystems

LUXI® II – GOLD-REINFORCED CERAMIC RMO® VERSION
OF ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets						.018 Arch Slot	.022 Arch Slot	
Angulation	Torque	Rotation	Width	Right/Left				
Central/Lateral								
0°	0°	0°	2.7mm	R/L	Q03079	Q03099	Orange	
Cuspid								
5°	-11°	2° MO	3.2mm				Purple	
Without hook				R	Q03075	Q03095		
				L	Q03076	Q03096		
With hook				R	Q03071	Q03091		
				L	Q03072	Q03092		
First Bicuspid								
0°	-17°	0°	3.3mm				Yellow	
Without hook				R/L	Q03077	Q03097		
With hook				R/L	Q03073	Q03093		
Second Bicuspid								
0°	-22°	0°	3.3mm				Pink	
Without hook				R/L	Q03078	Q03098		
With hook				R/L	Q03074	Q03094		

Mandibular tubes										.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands		On Bases		On Bases	Tubes Only/ On Bands
	First Molar Single convertible with hook												
	-1°	-30°	0°	3.8mm									
	Not preangulated. Torque in base.					R	A08638	A05666		A08640		A05694	
						L	A08639	A05667		A08641		A05695	
	First Molar Double convertible with hook												
	-1°	-30°	4°	3.8mm									
	Not preangulated. Torque in base.					R	A08608	A05658		A08628		A05678	
						L	A08609	A05659		A08629		A05679	
	First Molar Triple with hook												
	-1°	-30°	4°	3.8mm	.045 occlusal								
	Not preangulated. Torque in base.					R	A08610	A05660		A08630		A05680	
						L	A08611	A05661		A08631		A05681	
	Second Molar Single with hook												
	-1°	-30°	4°	3.3mm									
	Not preangulated.					R	A08612	A05662		A08632		A05682	
						L	A08613	A05663		A08633		A05683	

KITS

Single Case, 6 Brackets

- KQ03063** Roth LUXI® II .018 hook on cuspid, 3-3 upper only
KQ03083 Roth LUXI® II .022 hook on cuspid, 3-3 upper only

Single Case, 12 Brackets

- KQ03070** Roth LUXI® II .018 without hook, 3-3 U/L
KQ03090 Roth LUXI® II .022 without hook, 3-3 U/L
KQ03072 Roth LUXI® II .018 hook on cuspid, 3-3 U/L
KQ03092 Roth LUXI® II .022 hook on cuspid, 3-3 U/L

Single Case, 20 Brackets

- KQ03074** Roth LUXI® II .018 without hook, 5-5 U/L
KQ03094 Roth LUXI® II .022 without hook, 5-5 U/L
KQ03075 Roth LUXI® II .018 hook on cuspid, 5-5 U/L
KQ03095 Roth LUXI® II .022 hook on cuspid, 5-5 U/L
KQ03076 Roth LUXI® II .018 hook on cuspid/bicuspid, 5-5 U/L
KQ03096 Roth LUXI® II .022 hook on cuspid/bicuspid, 5-5 U/L

Synergy LUX®

The new gold standard in ceramic brackets

What do you get when you combine the revolutionary functionality of the Synergy bracket and aesthetic quality of the LUXI II® bracket? You get a bracket that functions as beautifully as it looks.

Low-friction/Low-force

Synergy LUX® is a reduced-friction ceramic bracket with a patented 18-karat gold arch slot. This feature effectively reduces friction as compared to conventional stainless steel and ceramic brackets.

A ceramic offering unprecedented quality

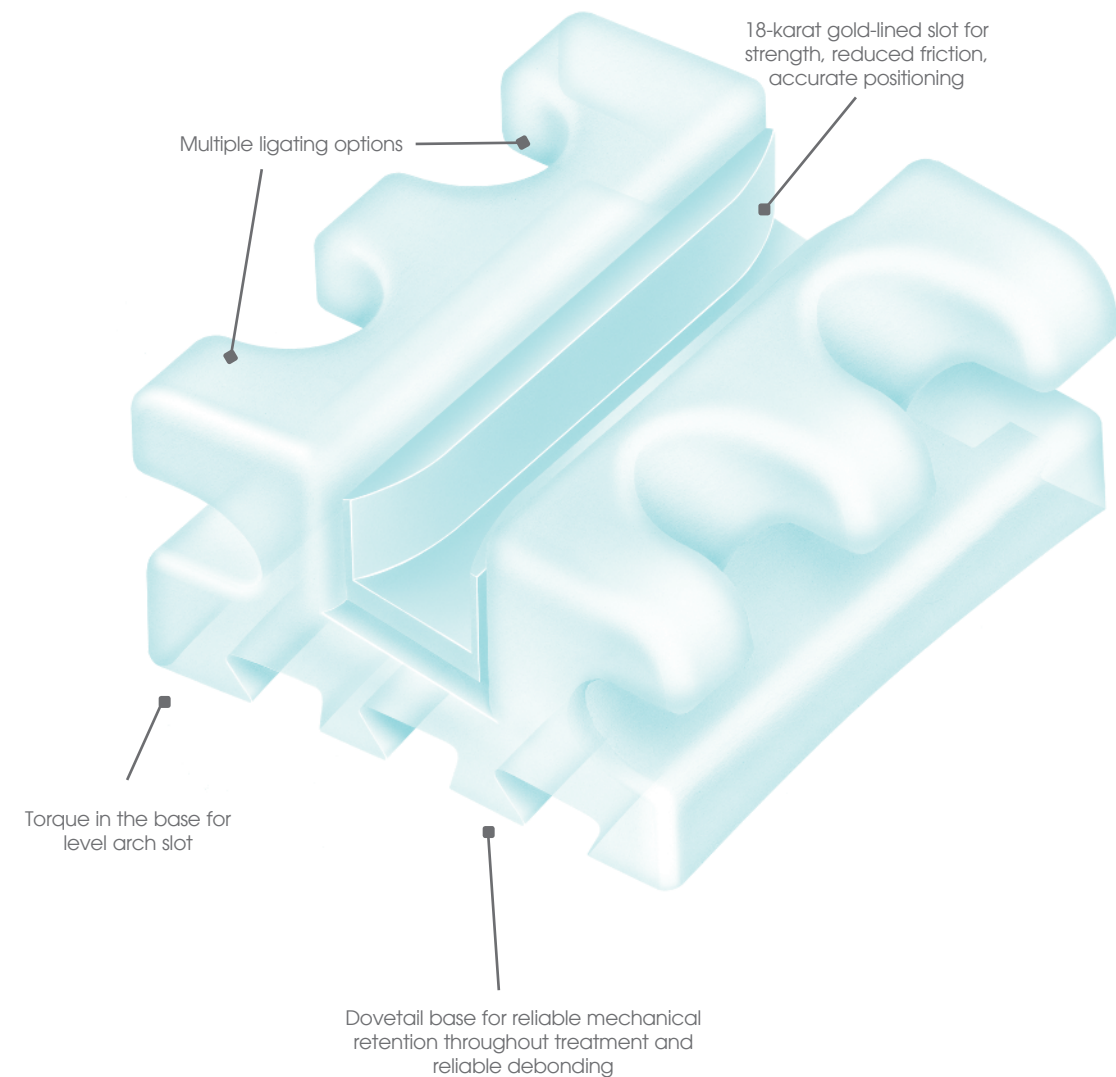
Synergy LUX allows the free movement of wire during alignment just like self-ligating brackets. Synergy's family of brackets are the only brackets that allow tooth-by-tooth selected friction control over the entire course of treatment.

Multiple ligating

With all six tie wings in the same plane, this design allows for easy ligation, greater strength and increased patient comfort. The six tie wings also permit multiple ligating from zero-friction on the arch wire to maximum friction in full figure-eight ligation.

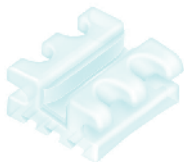
Available in this technique:

- Straight Wire Low Friction (SWLF®)



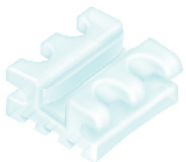
bracket&tubesystems

SYNERGY LUX® CERAMIC
STRAIGHT WIRE LOW FRICTION (SWLF®)



Maxillary brackets					.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Width	Right/Left				
 Red	Central							
	3°	17°	3.4mm	R	Q04800	Q04900		
				L	Q04801	Q04901		
 Blue	Lateral							
	9°	8°	3.4mm	R	Q04802	Q04902		
				L	Q04803	Q04903		
 Green	Cuspid							
	8°	0°	3.4mm	R	Q04806	Q04906		
	With hook			L	Q04807	Q04907		
 Black	First/Second Bicuspid							
	0°	-7°	3.4mm					
	With hook			R/L	Q04810	Q04910		

Maxillary tubes										
							.018 Arch Slot		.022 Arch Slot	
Angulation		Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar										
Triple convertible with hook										
0°		-14°	10°	4.2mm	.045 occlusal	R	A08532	A05708	A08552	A05728
Torque in base.						L	A08533	A05709	A08553	A05729
Second Molar										
Single convertible with hook										
0°		-14°	10°	3.3mm		R	A08534	A05710	A08554	A05730
Torque in base.						L	A08535	A05711	A08555	A05731



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SYNERGY LUX® CERAMIC
STRAIGHT WIRE LOW FRICTION (SWLF®)

Mandibular brackets					.018 Arch Slot	.022 Arch Slot	
Angulation	Torque	Width	Right/Left				
Central/Lateral							Orange 
0°	0°	2.8mm	R/L	Q04820	Q04920		
Cuspid							Purple 
0°	0°	3.4mm					
With hook			R/L	Q04826	Q04926		
First/Second Bicuspid							Yellow 
0°	-17°	3.4mm					
With hook			R/L	Q04830	Q04930		

Mandibular tubes												
						.018 Arch Slot		.022 Arch Slot				
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands				
First Molar												
Double convertible with hook												
0°	-25°	8°	4.2mm	R	A08536	A05712	A08556	A05732				
Torque in base.					L	A08537	A05713	A08557	A05733			
Second Molar												
Single convertible with hook												
0°	-20°	8°	3.3mm	R	A08538	A05714	A08558	A05734				
Torque in base.					L	A08539	A05715	A08559	A05735			

KITS

Single Case, 20 Brackets

- KQ04802 SWLF® Synergy LUX® .018 hook on cuspid/bicuspid, 5-5
- KQ04902 SWLF® Synergy LUX® .022 hook on cuspid/bicuspid, 5-5

POOOOF!

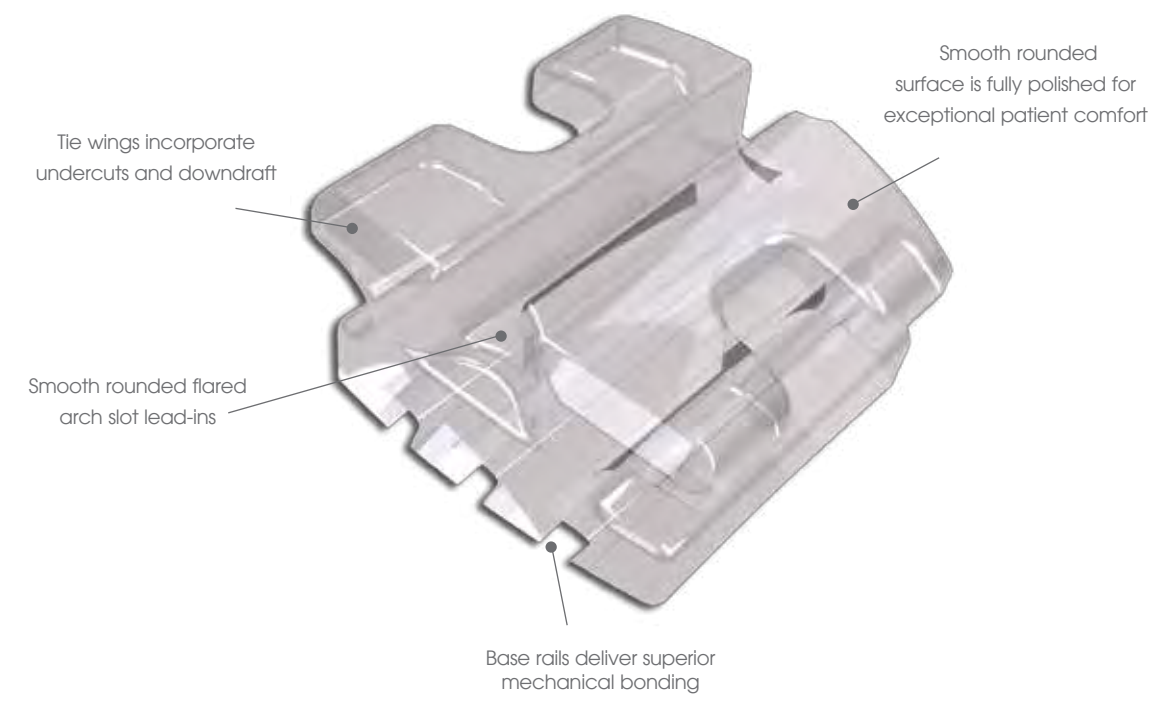


FLI® CLEAR BRACKETS TAKE AESTHETICS TO A WHOLE NEW LEVEL. 'POOOOF', THEY DISAPPEAR...



FLI® Composite

RMO®'s FLI® Composite Brackets offer the perfect economical solution for any office while providing true translucent appeal combined with high strength and precision in design.



BRACKET&TUBESYSTEMS

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FLI® COMPOSITE DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets

						.018 Arch Slot	.022 Arch Slot
						On Bases	On Bases
Angulation	Torque	Rotation	Width	Right/Left			
Central							
Red 	5°	12°	0°	3.9mm	R	C11000	C11100
					L	C11001	C11101
Lateral							
Blue 	9°	8°	0°	3.4mm			
	Without hook				R	C11002	C11102
					L	C11003	C11103
Cuspid							
Green 	11°	0°	4° MO	3.3mm			
	Without hook				R	C11004	C11104
					L	C11005	C11105
	With hook				R	C11006	C11106
					L	C11007	C11107
First/Second Bicuspid							
Black 	0°	-7°	0° DO	3.3mm			
	Without hook				R/L	C11008	C11108
	With hook				R/L	C11010	C11110

Maxillary tubes

							.018 Arch Slot	.022 Arch Slot			
							On Bases	On Bases			
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
	First Molar										
	Single convertible with hook										
	0°	-10°	15°	3.8mm		R	A08634	A05664	A08636	A05692	
	Torque in base.						L	A08635	A05665	A08637	A05693
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	3.8mm	.045 gingival	R	A08600	A05650	A08620	A05670	
	Torque in base.						L	A08601	A05651	A08621	A05671
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	4.2mm	.045 occlusal	R	A08602	A05652	A08622	A05672	
	Torque in base.						L	A08603	A05653	A08623	A05673
	First Molar										
	Double convertible with hook										
	0°	-14°	14°	3.8mm		R	A08684	A05684	A08686	A05686	
							L	A08685	A05685	A08687	A05687
	First Molar										
	Double with hook without cap										
	0°	-14°	14°	3.8mm		R	A08688	A05688	A08690	A05690	
	Torque in base.						L	A08689	A05689	A08691	A05691
	First Molar										
	Triple convertible with hook										
	0°	-14°	14°	3.8mm	.045 occlusal	R	A08604	A05654	A08624	A05674	
	Torque in base.						L	A08605	A05655	A08625	A05675
	Second Molar										
	Single with hook										
	0°	-14°	14°	3.3mm		R	A08606	A05656	A08626	A05676	
							L	A08607	A05657	A08627	A05677



bracket&tubesystems

FLI® COMPOSITE DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

Mandibular brackets

						.018 Arch Slot	.022 Arch Slot		
Angulation	Torque	Rotation	Width	Right/Left		On Bases	On Bases		
Central/Lateral									
0°	0°	0°	2.8mm	R/L		C11022	C11122	Orange	
Cuspid									
5°	-11°	2° MO	3.39mm						
Without hook				R		C11024	C11124	Purple	
				L		C11025	C11125		
With hook				R		C11026	C11126		
				L		C11027	C11127		
First Bicuspid									
0°	-17°	0° DO	3.4mm						
Without hook				R/L		C11028	C11128	Yellow	
With hook				R/L		C11030	C11130		
Second Bicuspid									
0°	-22°	0° DO	3.4mm						
Without hook				R/L		C11032	C11132	Pink	
With hook				R/L		C11034	C11134		

Mandibular tubes

						.018 Arch Slot	.022 Arch Slot			
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
First Molar										
Single convertible with hook										
-1°	-30°	0°	3.8mm		R	A08638	A05666	A08640	A05694	
Not preangulated. Torque in base.						L	A08639	A05667	A08641	A05695
First Molar										
Double convertible with hook										
-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628	A05678	
Not preangulated. Torque in base.						L	A08609	A05659	A08629	A05679
First Molar										
Triple with hook										
-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630	A05680	
Not preangulated. Torque in base.						L	A08611	A05661	A08631	A05681
Second Molar										
Single with hook										
-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632	A05682	
Not preangulated.						L	A08613	A05663	A08633	A05683



KITS

Single Case, 20 Brackets

KC11000	Roth FLI® Composite .018 U/L without hook, 5-5
KC11100	Roth FLI® Composite .022 U/L without hook, 5-5
KC11001	Roth FLI® Composite .018 U/L hook cuspid, 5-5
KC11101	Roth FLI® Composite .022 U/L hook cuspid, 5-5
KC11002	Roth FLI® Composite .018 U/L hook cuspid/bicuspid, 5-5
KC11102	Roth FLI® Composite .022 U/L hook cuspid/bicuspid, 5-5

Single Case, 12 Brackets

KC11010	Roth FLI® Composite .018 U/L without hook, 3-3
KC11110	Roth FLI® Composite .022 U/L without hook, 3-3
KC11011	Roth FLI® Composite .018 U/L hook cuspid, 3-3
KC11111	Roth FLI® Composite .022 U/L hook cuspid, 3-3

Single Case, 6 Brackets

KC11012	Roth FLI® Composite .018 U hook cuspid, 3-3
KC11112	Roth FLI® Composite .022 U hook cuspid, 3-3



Maxillary brackets

				.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left		
Central					
0°	0°	3.9mm	R/L	C12000	C12020
Lateral					
0°	0°	3.3mm	R/L	C12002	C12022
Cuspid					
0°	0°	3.3mm			
Without hook			R/L	C12004	C12024
Bicuspid					
0°	0°	3.3mm			
Without hook			R/L	C12006	C12026



Mandibular brackets

				.018 Arch Slot	.022 Arch Slot
Angulation	Torque	Width	Right/Left		
Central/Lateral					
0°	0°	2.8mm	R/L	C12008	C12028
Cuspid					
0°	0°	3.3mm			
Without hook			R/L	C12004	C12024
Bicuspid					
0°	0°	3.3mm			
Without hook			R/L	C12006	C12026



KITS

Single Case, 12 Brackets

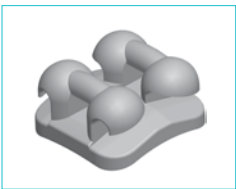
KC12010	Standard Edgewise FLI® Composite .018, 3-3 U/L
KC12030	Standard Edgewise FLI® Composite .022, 3-3 U/L

Single Case, 20 Brackets

KC12000	Standard Edgewise FLI® Composite .018, 5-5 U/L
KC12020	Standard Edgewise FLI® Composite .022, 5-5 U/L

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I-TTR LINGUAL SYSTEM



i-TTR Lingual System

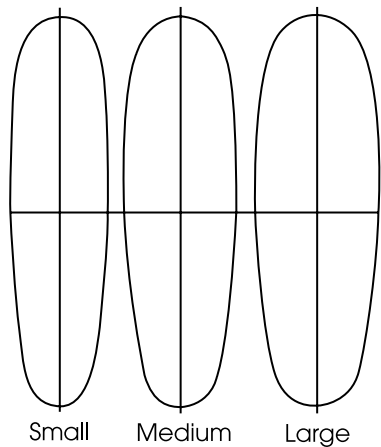
The intelligent lingual treatment with Torque, Tip and Rotation (i-TTR) control. The bracket presents two slots for round arches and a rectangular central slot for auxiliary insert. The three slots permit a progressive modular control of all tooth movement. A universal bracket for all teeth, including molars.

	Order Number	Package Contains
i-TTR Lingual Bracket	M00700	10 brackets
i-TTR Lingual Bracket Kit (Double brackets for first and second molars)	KM00700	36 brackets

Orthonol® Nickel-Titanium Preformed Lingual Arches (round)

Wire Size		Order Number	Package Contains
.012 (0.305mm)	Maxillary-Small	E01720	10 wires
.014 (0.356mm)	Maxillary-Small	E01721	10 wires
.016 (0.406mm)	Maxillary-Small	E01722	10 wires
.012 (0.305mm)	Maxillary-Medium	E01723	10 wires
.014 (0.356mm)	Maxillary-Medium	E01724	10 wires
.016 (0.406mm)	Maxillary-Medium	E01725	10 wires
.012 (0.305mm)	Maxillary-Large	E01726	10 wires
.014 (0.356mm)	Maxillary-Large	E01727	10 wires
.016 (0.406mm)	Maxillary-Large	E01728	10 wires
.012 (0.305mm)	Mandibular-Small	E01740	10 wires
.014 (0.356mm)	Mandibular-Small	E01741	10 wires
.016 (0.406mm)	Mandibular-Small	E01742	10 wires
.012 (0.305mm)	Mandibular-Medium	E01743	10 wires
.014 (0.356mm)	Mandibular-Medium	E01744	10 wires
.016 (0.406mm)	Mandibular-Medium	E01745	10 wires
.012 (0.305mm)	Mandibular-Large	E01746	10 wires
.014 (0.356mm)	Mandibular-Large	E01747	10 wires
.016 (0.406mm)	Mandibular-Large	E01748	10 wires

Lingual Archwire
Upper



i-TTR Lingual System – Small Arch Introductory Kit

• Bracket cases	K00700	5 kits/180 brackets
• Small arches: MX/MN, .012, .014, .016		6 pks/60 wires

i-TTR Lingual System – Medium Arch Introductory Kit

• Bracket cases	K00701	5 kits/180 brackets
• Medium arches: MX/MN, .012, .014, .016		6 pks/60 wires

i-TTR Lingual System – Large Arch Introductory Kit

• Bracket cases	K00702	5 kits/180 brackets
• Large arches: MX/MN, .012, .014, .016		6 pks/60 wires

i-TTR Instruments

• Utility Tweezer	T00700	1
• Wire Director	T00701	1

See Instrument Section for images on Page 301 & 302

bracket&tubesystems

LINGUAL RETAINER

DISPENSING AND STORAGE SYSTEMS/ACCESSORIES

RMO® Bondable Lingual Retainer

- Quicker, far more control, economical, no emergencies, versatile, hygienic

	Order Number	Package Contains
Pad, Mx/Mn Cen/Lat R/L	E00524	50
Pad, Mx/Mn Cus R/L	E00525	50
Pad, Terminal, Cus, Mx L, Mn R	E00526	50
Pad, Terminal, Cus, Mx R, Mn L	E00527	50
Pad, Terminal, 1Bi, Mx L, Mn R	E00528	50
Pad, Terminal, 1Bi, Mx R, Mn L	E00529	50
Wire, Retainer (stainless steel) twisted	E00530	10
Instrument	i01102	1



KITS		Order Number	Package Contains
Kit, 3x3 6 max/6 man		K00250	72 pads, 4 wires, 1 instrument
Kit, 3x3 6 max/6 man		K002502	72 pads, 4 wires, no instrument
Kit, 4x4 6 max/6 man		K00253	96 pads, 4 wires, 1 instrument



Multiple Case Dispenser

- Multiple case dispenser; 2 through 100 set-ups
- Printed with Palmer notation for quick reference to individual brackets and tubes
- Designed to work with RMO standard dispensing systems

Bracket Tray and Lid	J00774	1
Single Case Organizers	J00099	25

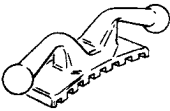


Patient Relief Wax

- Wax is used for relief from application irritation
- Each box contains 50 individual wax boxes for patients.
- Three Box color options: Red, White, and a Sparkle Multi Pack (Orange, Pink, Blue, and Green)



Sparkle Multi Pack	J00550	50/box
--------------------	--------	--------

	Order Number	Package Contains
 Direct Bond Lingual Button - Stainless steel - Round-base design - With minimum protrusion, can be used from any direction for easy engagement of elastics - Ultra-smooth finish	On Bases	
	Molar	A07901 10
	Central/Lateral	A07902 10
	Cuspid/Bicuspid (medium bonding base)	A07903 10
	Cuspid/Bicuspid (wide bonding base)	A07905 10
	Cuspid/Bicuspid (narrow medium bonding base)	A07906 10
 Direct Bond Molded Plastic Lingual Button	A03902	10
 Direct Bond Lingual Cleat - Stainless steel - Low profile - Easily adjustable	A00407	10
 Direct Bond Lug/Cleat (Debnam) - Mesial-distal elastic hook - Hook is bent out from base surface to engage elastics	On Bases	
	Cuspid/Bicuspid	A07910 10
	Molar	A07911 10
 Direct Bond Eyelet Accepts wire and small diameter elastic ligatures	On Bases	
	Molar	A07913 10
	Central/Lateral	A07914 10
	Cuspid/Bicuspid	A07915 10

	Order Number	Package Contains
 Wilson® 3D® Tube Designed to accept Lingual 3D FIXED/REMOVABLE™ Modular Orthodontics® (Wilson®) appliances.	Tube without hook	A04315 10
	Tube with gingival hook	A04314 10
 Gaston-type single vertical lingual tube For .036 Ellis prefabricated lingual arches	Tube	A00178 10
 Ellis-type lingual tube with locking knob For .036 Ellis prefabricated lingual arches	A00173	10
 Lingual tube for hand formed lingual arches For “D-shape” precious metal soldered posts (RMO® does not stock lingual posts)	Tube	A00190 10
 Solderable lingual post Use only with the lingual tubes A00173 and A00178	.036 lingual arch wire	A00236 10
 Horizontal Lingual Sheath	.036 wire	A00148 10
 Horizontal Lingual Tube With distal retention notch	For .036 wire	A00149 10
 Horizontal Lingual Tube With occlusal welding flange	For .036 wire	A00186 10



Maxillary tubes										
						.018 Arch Slot		.022 Arch Slot		
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands	
First Molar										
Single with Hook										
0°	-10°	0°	4.6mm		R	A08730	A06730	A08734	A06734	
					L	A08731	A06731	A08735	A06735	
First Molar										
Single with Hook										
0°	-10°	10°	4.6mm		R	A18750		A18754		
					L	A18751		A18755		
Second Molar										
Single with Hook										
0°	-10°	0°	3.6mm		R	A08732	A06732	A08736	A06736	
					L	A08733	A06733	A08737	A06737	
Second Molar										
Single with Hook										
0°	-10°	10°	3.6mm		R	A18752		A18756		
					L	A18753		A18757		
Markings - Right: Black, Left: Green										





Mini tubes						.018 Arch Slot	.022 Arch Slot	ID
Angulation	Torque	Distal Offset	Width	Right/Left				
Second Molar								
0°	0°	0°	2.5mm	UR/LL	A18770	A18780		
				UL/LR	A18771	A18781		
0°	-10°	0°	2.5mm	UR	A18772	A18782		
				UL	A18773	A18783		
0°	-14°	0°	2.5mm	UR/LL	A18774	A18784		
				UL/LR	A18775	A18785		
0°	-25°	0°	2.5mm	LR	A18776	A18786		
				LL	A18777	A18787		



Maxillary tubes

						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
 First Molar (Bench) Single convertible tube/bracket with hook 0° -10° 15° 3.8mm R A08294 A01194 A08494 A01294 L A08295 A01195 A08495 A01295 Torque in base.									
 First Molar (Bench) Triple convertible with hook 0° -10° 15° 3.8mm .045 occlusal R A08060 A01160 A08070 A01170 L A08061 A01161 A08071 A01171 Headgear tube: 0° offset Auxiliary tube: 0° torque, 0° offset Torque in base.									
 First Molar (Bench) Double convertible with hook 0° -10° 15° 3.8mm R A08078 A01178 A08080 A01180 L A08079 A01179 A08081 A01181 Auxiliary tube: 0° torque, 0° offset Torque in base.									
 First Molar (Ricketts®) Triple convertible 0° 0° 0° 3.8mm .045 gingival R/L A08120 A01120 A08130 A01130 Without hook With hook R A08122 A01122 A08132 A01132 L A08123 A01123 A08133 A01133									
 First Molar (Ricketts®) Triple non-convertible 0° 0° 0° 3.8mm .045 occlusal R/L A08124 A01124 Without hook With hook (universal) R/L A08125 A01125									
 First Molar (Ricketts®) Triple convertible with hook 0° 0° 15° 4.2mm .045 gingival R A08134 A04954 L A08135 A04955 Headgear tube: 0° offset									
 First Molar Triple convertible with hook 0° 0° 15° 3.8mm .045 occlusal R A08056 A01156 L A08057 A01157 Headgear tube: 0° offset Auxiliary tube: 0° angulation, 0° torque, 0° DO									
 Second Molar (Bench) Single with hook 0° -10° 12° 3.3mm R A08062 A01162 A08072 A01172 L A08063 A01163 A08073 A01173									

Mandibular tubes

					.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
First Molar Double non-convertible with ball hook -5° 0° 0° 4.7mm R/L A08392 A01190 R L A08393 Not preangulated.								
 First Molar (Ricketts®) Double convertible with hook -5° -22° 12° 3.8mm R A08034 A04934 L A08035 A04935 Auxiliary tube: 0° angulation 0° torque, 0° offset Preangulated. Torque in base.								
 First Molar (Bench) Double convertible with hook -5° -27° 6° 3.8mm R A08064 A01164 A08074 A01174 L A08065 A01165 A08075 A01175 Auxiliary tube: 0° angulation 0° torque, 0° offset Preangulated. Torque in base.								
 Second Molar (Bench) Single with hook -5° -27° 6° 3.3mm R A08066 A01166 A08076 A01176 L A08067 A01167 A08077 A01177 Preangulated. Torque in base.								

Maxillary tubes										
							.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left		On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
 First Molar Single convertible with hook										
0°	-10°	7°	3.8mm		R		A08412	A06112	A08452	A06152
					L		A08413	A06113	A08453	A06153
 First Molar Double convertible with hook										
5°	-9°	10°	3.8mm	.045 gingival	R		A08400	A06100	A08440	A06140
Headgear tube: 0° offset. Not preangulated.					L		A08401	A06101	A08441	A06141
Optional										
0°	-9°	10°	3.8mm	.045 gingival	R		A08402	A06102	A08442	A06142
Headgear tube: 0° offset.					L		A08403	A06103	A08443	A06143
Torque in base.										
 First Molar Double convertible with hook										
5°	-9°	10°	3.8mm	.045 occlusal	R		A08404	A06104	A08444	A06144
Headgear tube: 0° offset. Not preangulated.					L		A08405	A06105	A08445	A06145
Optional										
0°	-9°	10°	3.8mm	.045 occlusal	R		A08406	A06106	A08446	A06146
Headgear tube: 0° offset.					L		A08407	A06107	A08447	A06147
Torque in base.										
 Second Molar Single with hook										
5°	-9°	10°	3.3mm		R		A08408	A06108	A08448	A06148
Not preangulated.					L		A08409	A06109	A08449	A06149
Optional										
0°	-9°	10°	3.3mm		R		A08410	A06110	A08450	A06150
					L		A08411	A06111	A08451	A06151

Mandibular tubes										
							.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left		On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
 First Molar Single convertible with hook										
2°	-30°	0°	3.8mm		R		A08420	A06120	A08460	A06160
Not preangulated. Torque in base.					L		A08421	A06121	A08461	A06161
 Second Molar Single with hook										
2°	-35°	0°	3.3mm		R		A08426	A06126	A08466	A06166
Not preangulated.					L		A08427	A06127	A08467	A06167

Maxillary tubes										.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left					Tubes Only/ On Bands	
First Molar RMO® Version of the Tip Edge Technique											
Double non-convertible with hook											
0°	-10°	6°	5.8mm	.036 gingival	R					A06080	
					L					A06081	



Mandibular tubes										.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left					Tubes Only/ On Bands	
First Molar RMO® Version of the Tip Edge Technique											
Double non-convertible with hook											
0°	-27°	0°	5.8mm	.036 gingival	R					A06082	
					L					A06083	



Molar tubes – single round										
Angulation	Torque	Distal Offset	Width	Headgear	On Base				Tubes Only/ On Bands	
First Molar (Johnson Technique)										
0°	0°	0°	7.1mm	.045					A00111	
First Molar										
0°	0°	0°	6.4mm	.036					A00161	
Molar										
0°	0°	0°	4.6mm	.036	UR/LL	A01322			A01312	
					UL/LR	A01323			A01313	



Molar tubes – single Edgewise						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Right/Left		On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
With Distal Extension									
0°	0°	0°	4.7mm	R/L		A08000	A00160	A08010	A00101
Without Distal Extension								A08012	A00210
Long Flange Type with Distal Extension									
0°	0°	0°	5.6mm						
Without hook				R/L			A00952		A00953
With hook maxillary right or mandibular left						A08006	A00954	A08016	A00955
With hook maxillary left or mandibular right						A08007	A00956	A08017	A00957
Long Flange Type with Distal Offset									
0°	0°	6°	5.7mm						
Without hook				R/L					A00975
With hook maxillary right or mandibular left									A00977
With hook maxillary left or mandibular right									A00979



Maxillary tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
First Molar									
Double									
0°	0°	0°	4.7mm	.045 gingival					
Without hook					R/L		A00295		
With hook					R/L		A00928		
0°	0°	0°	4.8mm	.051 occlusal					
Without hook					R/L			A08015	A00283
With hook					R/L				A00929
First Molar									
Double Long Flange Type with Distal Extension									
0°	0°	0°	5.6mm	.045 occlusal					
Without hook					R		A00958		A00960
					L		A00962		A00964
With hook					R		A00966		A00968
					L		A00970		A00972
First Molar									
Double Long Flange Type with Distal Extension									
0°	0°	6°	5.7mm	.045 occlusal					
Without hook					R				A00982
					L				A00986
With hook					R				A00990
					L				A00994
First Molar									
Double convertible with hook									
0°	0°	0°	3.8mm	.045 occlusal	R	A08030	A04630	A08032	A04632
					L	A08031	A04631	A08033	A04633



Maxillary/Mandibular tube						.018 Arch Slot	
Angulation	Torque	Distal Offset	Width	Right/Left		On Base	
First Molar							
Double non-convertible with ball hook							
0°	0°	0°	4.7mm	R/L			A08020



Mandibular tubes

Mandibular Tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands
First Molar									
Single convertible with hook									
0°	0°	0°	4.2mm						
With hook					R	A08042	A04842	A08052	A04852
					L	A08043	A04843	A08053	A04853
Without hook					R/L	A08040	A04840	A08050	A04850
First Molar (Wilson®)									
Double non-convertible with mesial hook									
0°	0°	0°	5.0mm		R		A04370		A04372
					L		A04371		A04373
First Molar									
Double convertible with hook									
0°	0°	0°	4.6mm						
With hook					R	A08038	A04838	A08048	A04848
					L	A08039	A04839	A08049	A04849
Without hook					R/L	A08036	A04836	A08046	A04846

SINGLE BUCCAL TUBES												Page No.
Image	FOR BANDS			ON BASES			Description	Angulation	Torque	Rotation	Width (mm)	Headgear
	Universal	Right	Left	Universal	Right	Left						
	A00111						Maxillary/Mandibular	0°	0°	0°	7.1	.045
	A00161						Maxillary/Mandibular	0°	0°	0°	6.4	.036
	A01312						Maxillary Right/Mandibular Left with Hook	0°	0°	0°	4.6	.036
	A01313						Maxillary Left/Mandibular Right with Hook	0°	0°	0°	4.6	.036

SINGLE BUCCAL TUBES									
Image	FOR BANDS			ON BASES			0.018		
	Universal	Right	Left	Universal	Right	Left	Description	Angulation	Torque
	A00160			A08000			Long, distal extension	0°	0°
	A00952						Long flange, distal extension	0°	0°
	A00954	UR/LL	A00956 UL/LR		A08006	A08007	Long flange, distal extension, w/hook	0°	0°
	A01194		A01195		A08294	A08295	Maxillary 1st, convertible, w/hook	0°	0°
	A05664		A05665		A08634	A08635	Maxillary 1st, convertible, w/hook	0°	-10°
	A06730		A06731		A08730	A08731	Maxillary 1st, w/hook	0°	-10°
	A05422		A05423		A18750	A18751	Maxillary 1st, w/hook	0°	-10°
	A06112		A06113		A08562	A08563	Maxillary 1st, w/hook	0°	-14°
	A04382		A04383		A08412	A08413	Maxillary 1st, w/hook	0°	-10°
	A04982		A04983		A08182	A08183	Maxillary 2nd, w/hook	0°	-10°
	A05656		A05657		A08382	A08383	Maxillary 2nd, w/hook	0°	0°
	A05710		A05711		A08606	A08607	Maxillary 2nd, w/hook	0°	-14°
	A06108		A06109		A08534	A08535	Maxillary 2nd, w/hook, convertible	0°	-14°
	A06110		A06111		A08408	A08409	Maxillary 2nd, w/hook, not preangulated	5°	-9°
	A06732		A06733		A08410	A08411	Maxillary 2nd, w/hook	0°	-9°
	A05424		A05425		A08732	A08733	Maxillary 2nd, w/hook	0°	-10°
	A01162		A01163		A18752	A18753	Maxillary 2nd, w/hook	0°	-10°
	A04840			A08040			Maxillary 2nd, w/hook, not preangulated	0°	-14°
	A04968		A04969		A08062	A08063	Maxillary 2nd, w/hook	0°	10°
	A04978		A04979		A18770 UR/LL	A18771 UL/LR	Mini 2nd, w/hook	0°	0°
	A05426		A05427		A18772	A18773	Maxillary 2nd, w/hook	0°	-10°
	A05666		A05667		A18774 UR/LL	A18775 UL/LR	Mini 2nd, w/hook	0°	-14°
	A06120		A06121					0°	0°
	A06740		A06741					0°	0°
	A04386		A04387					0°	0°
	A04990		A04991					0°	0°
	A05428		A05429					0°	0°
	A05662		A05663					0°	0°
	A05714		A05715					0°	0°
	A06126		A06127					0°	0°
	A06742		A06743					0°	0°
	A04842		A04843					0°	0°
	A04968		A04969					0°	0°
	A04978		A04979					0°	0°
	A05426		A05427					0°	0°
	A05666		A05667					0°	0°
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	A05428		A05429					0°	0°
	A05662		A05663					0°	0°
	A05714		A05715					0°	0°
	A06126</								

SINGLE BUCCAL TUBES									
Image	FOR BANDS			ON BASES			0.022		
	Universal	Right	Left	Universal	Right	Left	Description	Angulation	Torque
	A00101			A08010			Long, distal extension	0°	0°
	A00210			A08012			Long, w/out distal extension	0°	0°
	A00953						Long flange, distal extension	0°	0°
		A00955 UR/L	A00957 UL/R		A08016	A08017	Long flange, distal extension, w/hook	0°	0°
	A00975						Long flange, distal extension	0°	0°
		A00977 UR/L	A00979 UL/R				Long flange, distal extension, w/hook	0°	0°
		A01294	A01295		A08494	A08495	Maxillary 1st, convertible, w/hook	0°	-10°
		A06734	A06735		A08734	A08735	Maxillary 1st, w/hook	0°	-10°
					A18754	A18755	Maxillary 1st, w/hook	0°	-10°
		A05522	A05523		A08566	A08567	Maxillary 1st, w/hook	0°	-14°
		A05692	A05693		A08636	A08637	Maxillary 1st, convertible, w/hook	0°	-10°
		A06152	A06153		A08462	A08463	Maxillary 1st, convertible, w/hook	0°	-10°
		A05524	A05525		A08568	A08569	Maxillary 2nd w/hook	0°	-14°
		A01172	A01173		A08072	A08073	Maxillary 2nd, w/hook	0°	-10°
		A04392	A04393		A08192	A08193	Maxillary 2nd, w/hook	0°	-10°
		A05676	A05677		A08626	A08627	Maxillary 2nd, w/hook	0°	-14°
		A05730	A05731		A08554	A08555	Maxillary 2nd, convertible, w/hook	0°	-14°
		A06148	A06149		A08448	A08449	Maxillary 2nd, w/hook, not preangulated	5°	-9°
		A6150	A06151		A08460	A08461	Maxillary 2nd, w/hook	0°	-9°
		A06736	A06737		A08736	A08737	Maxillary 2nd, w/hook	0°	-10°
					A18756	A18757	Maxillary 2nd, w/hook	0°	-10°
					A18780 UR/L	A18781 UL/R	Mini 2nd, w/hook	0°	0°
					A18782	A18783	Maxillary 2nd, w/hook	0°	-10°
					A18784 UR/L	A18785 UL/R	Mini 2nd, w/hook	0°	-14°

SINGLE BUCCAL TUBES									
Image	FOR BANDS			ON BASES			0.022		
	Universal	Right	Left	Universal	Right	Left	Description	Angulation	Torque
		A04394	A04395		A08194	A08195	Mandibular 1st, convertible, w/hook, not preangulated	-6°	-22°
	A04850			A08050			Mandibular 1st, convertible	0°	0°
		A04852	A04853		A08052	A08053	Mandibular 1st, convertible, w/hook	0°	0°
		A05526	A05527		A08576	A08577	Mandibular 1st, w/hook	0°	-20°
		A05694	A05695		A08640	A08641	Mandibular 1st, convertible, w/hook, not preangulated	-1°	-30°
		A06160	A06161		A08460	A08461	Mandibular 1st, convertible, w/hook, not preangulated	2°	-30°
		A06744	A06745		A08744	A08745	Mandibular 1st, w/hook	0°	-25°
					A18762	A18763	Mandibular 1st, w/hook	0°	-25°
		A01176	A01177		A08076	A08077	Mandibular 2nd, w/hook	-5°	-27°
		A04396	A04397		A08196	A08197	Mandibular 2nd, w/hook, not preangulated	-6°	-27°
		A05528	A05529		A08578	A08579	Mandibular 2nd, w/hook	0°	-10°
		A05682	A05683		A08632	A08633	Mandibular 2nd, w/hook, not preangulated	-1°	-30°
		A05734	A05735		A08558	A08559	Mandibular 2nd, convertible, w/hook	0°	-20°
		A06166	A06167		A08466	A08467	Mandibular 2nd, w/hook, not preangulated	2°	-35°
		A06746	A06747		A08746	A08747	Mandibular 2nd, w/hook	0°	-25°
					A18764	A18765	Mandibular 2nd, w/hook	0°	-25°
					A18786	A18787	Mandibular 2nd, w/hook	0°	-25°

DOUBLE BUCCAL TUBES																			
Image	FOR BANDS			ON BASES			0.018	MAIN ARCH SLOT			HEADGEAR			AUXILIARY SLOT			Page No.		
	Universal	Right	Left	Universal	Right	Left		Description	A	T	R	Length M/D (mm)	A	R	LOC.	SIZE		A	T
		A00958	A00962				Long flange, distal extension, maxillary w/hook maxillary	0°	0°	0°	5.6	0°	0°	0°	.045				207
		A00966	A00970				Long flange, distal extension, w/hook maxillary	0°	0°	0°	5.6	0°	0°	0°	.045				207
	A00295						Maxillary	0°	0°	0°	4.7	0°	0°	0°	.045				207
	A00928						Maxillary, w/hook	0°	0°	0°	4.7	0°	0°	0°	.045				207
		A01178	A01179		A08078	A08079	Maxillary, convertible, w/hook	0°	-10°	15° DO	3.8					0°	0°	0°	123 180, 202
		A04360	A04361		A08260	A08261	Maxillary, convertible, w/hook	0°	0°	6° DO	6.4	0°	0°	6° DO	.045				43
		A04380	A04381		A08180	A08181	Maxillary, convertible, w/hook	0°	-10°	15° DO	3.8	0°	0°	0°	.045				146
		A04630	A04631		A08030	A08031	Maxillary, convertible, w/hook	0°	0°	0°	3.8	0°	0°	0°	.045				207
		A05650	A05651		A08600	A08601	Maxillary, convertible, w/hook	0°	-14°	14° DO	3.8	0°	0°	14° DO	.045				92, 97, 109, 136, 143, 150, 154, 163, 166, 174, 184, 192
		A05652	A05653		A08602	A08603	Maxillary, convertible, w/hook	0°	-14°	14° DO	4.2	0°	0°	14° DO	.045				92, 97, 109, 136, 143, 150, 154, 163, 166, 174, 184, 192
		A05684	A05685		A08684	A08685	Maxillary, convertible, w/hook	0°	-14°	14° DO	3.8					0°	-14°	14° DO	92, 97, 109, 136, 143, 150, 154, 163, 166, 174, 184, 192
		A05688	A05689		A08688	A08689	Maxillary, convertible, w/hook	0°	-14°	14° DO	3.8					0°	-14°	14° DO	92, 97, 109, 136, 143, 150, 154, 163, 166, 174, 184, 192
		A06100	A06101		A08400	A08401	Maxillary, convertible, w/hook, not preangulation	5°	-9°	10° DO	3.8	5°	0°	0°	.045				204
		A06102	A06103		A08402	A08403	Maxillary, convertible, w/hook	0°	-9°	10° DO	3.8	0°	0°	0°	.045				204
		A06104	A06105		A08404	A08405	Maxillary, convertible, w/hook, not preangulated	5°	-9°	10° DO	3.8	5°	0°	0°	.045				204
		A06106	A06107		A08406	A08407	Maxillary, convertible, w/hook	0°	-9°	10° DO	3.8	0°	0°	0°	.045				204
		A06012 UL/LR	A06013 UR/LL		A08302 UL/LR	A08303 UR/LL	Combination maxillary/mandibular, w/hook	0°	0°	0°	4.6	0°	0°	0°	.040				160
	A06014			A08304			Combination maxillary/mandibular	0°	0°	0°	4.6	0°	0°	0°	.040				160

DOUBLE BUCCAL TUBES																	
FOR BANDS				ON BASES			0.018		MAIN ARCH SLOT					AUXILIARY SLOT			Page No.
Image	Universal	Right	Left	Universal	Right	Left	Description		A	T	R	Length M/D (mm)	A	T	R		
		A01032	A01033		A08114	A08115	Mandibular, w/hook		-5°	-22°	12° DO	3.8	-5°	-22°	12° DO	127, 129	
		A01164	A01165		A08064	A08065	Mandibular, convertible, w/hook		-5°	-27°	6° DO	3.8	0°	0°	0°	125, 131, 181, 203	
	A01190				A08392	A08393	Mandibular, w/hook, not preangulated		-5°	0°	0°	4.7	-5°	0°	0°	203	
				A08020			Mandibular, w/centered hook		0°	0°	0°	4.7	0°	0°	0°	207	
		A04370	A04371				Mandibular, w/mesial hook		0°	0°	0°	5.0	0°	0°	0°	208	
	A04836			A08036			Mandibular, convertible		0°	0°	0°	4.6	0°	0°	0°	208	
		A04838	A04839		A08038	A08039	Mandibular, convertible, w/hook		0°	0°	0°	4.6	0°	0°	0°	208	
		A04934	A04935		A08034	A08035	Mandibular, convertible, w/hook		-5°	-22°	12° DO	3.8	0°	0°	0°	203	
		A04964	A04965		A08364	A08365	Mandibular, convertible, w/hook		-5°	-24°	12° DO	3.8	-5°	-24°	12° DO	105, 117, 121, 157, 172, 179	
		A04986	A04987		A08386	A08387	Mandibular, convertible, w/hook		-5°	-24°	12° DO	3.8	0°	0°	0°	105, 117, 121, 157, 172, 179	
		A05668	A05669		A08608	A08609	Mandibular, convertible, w/hook, not preangulated		-1°	-30°	4° DO	3.8	-1°	-30°	4° DO	93, 99, 111, 137, 145, 151, 155, 167, 175, 185, 193	
		A05712	A05713		A08536	A08537	Mandibular, convertible, w/hook		0°	-25°	8° DO	4.2	0°	-25°	8° DO	113, 139, 189	

DOUBLE BUCCAL TUBES												
Image	FOR BANDS			ON BASES			0.022		MAIN ARCH SLOT			Page No.
	Universal	Right	Left	Universal	Right	Left	Description		A	T	R	
		A00960	A00964				Long flange, distal extension, maxillary		0°	0°	0°	207
		A00968	A00972				Long flange, distal extension, w/hook, maxillary		0°	0°	0°	207
		A00982	A00986				Long flange, distal extension, w/hook, maxillary		0°	6° DO	0°	207
		A00990	A00994				Long flange, distal extension, w/hook, maxillary		0°	6° DO	0°	207
	A00283			A08015			Maxillary		0°	0°	0°	207
	A00929						Maxillary, w/hook		0°	0°	0°	207
		A01180	A01181		A08080	A08081	Maxillary, convertible, w/hook		0°	-10°	16° DO	202
		A04362	A04363		A08262	A08263	Maxillary, convertible, w/hook		0°	0°	6° DO	43
		A04390	A04391		A08190	A08191	Maxillary, convertible, w/hook		0°	-10°	16° DO	146
		A04632	A04633		A08032	A08033	Maxillary, convertible, w/hook		0°	0°	0°	207
		A05670	A05671		A08620	A08621	Maxillary, convertible, w/hook		0°	-14°	14° DO	93, 99, 111, 136, 143, 150, 154, 163, 166, 174, 184, 192
		A05672	A05673		A08622	A08623	Maxillary, convertible, w/hook		0°	-14°	14° DO	93, 99, 111, 136, 143, 150, 154, 163, 166, 174, 184, 192

DOUBLE BUCCAL TUBES												
Image	FOR BANDS			ON BASES			0.022		MAIN ARCH SLOT			Page No.
	Universal	Right	Left	Universal	Right	Left	Description		A	T	R	
		A05686	A05687		A08686	A08687	Maxillary, convertible, w/hook		0°	-14°	14° DO	93, 99, 111, 137, 146, 151, 155, 167, 175, 185, 193
		A05690	A05691		A08690	A08691	Maxillary, w/out cap, w/hook		0°	-14°	14° DO	93, 99, 111, 136, 143, 150, 154, 163, 166, 174, 184, 192
		A06080	A06081				Maxillary, w/hook		0°	-10°	6° DO	205
		A06140	A06141		A08440	A08441	Maxillary, convertible, w/hook, not preangulated		5°	-9°	10° DO	204
		A06142	A06143		A08442	A08443	Maxillary, convertible, w/hook		0°	-9°	10° DO	204
		A06144	A06145		A08444	A08445	Maxillary, convertible, w/hook, not preangulated		5°	-9°	10° DO	204
		A06146	A06147		A08446	A08447	Maxillary, convertible, w/hook		0°	-9°	10° DO	204
		A01174	A01175		A08074	A08075	Mandibular, convertible, w/hook		-5°	-27°	6° DO	203
		A04372	A04373				Mandibular, w/mesial hook		0°	0°	0°	208
	A04846			A08046			Mandibular, convertible		0°	0°	0°	208
		A04848	A04849		A08048	A08049	Mandibular, convertible, w/hook		0°	0°	0°	208
		A05678	A65679		A08628	A08629	Mandibular, convertible, w/hook, not preangulated		-1°	-30°	4° DO	93, 99, 111, 137, 146, 151, 155, 167, 175, 185, 193
		A05732	A05733		A08556	A08557	Mandibular, convertible, w/hook		0°	-25°	8° DO	113, 139, 189
		A06082	A06083				Mandibular, w/hook		0°	-27°	0°	205

TRIPLE BUCCAL TUBES																			
Image	FOR BANDS			ON BASES			0.018	MAIN ARCH SLOT				HEADGEAR				AUXILIARY SLOT			Page No.
	Universal	Right	Left	Universal	Right	Left	Description	A	T	R	Length M/D (mm)	A	R	LOC.	SIZE	A	T	R	
		A04954	A04955		A08134	A08135	Convertible, w/hook	0°	0°	15° DO	4.2	0°	0°	0°	.045	0°	0°	15° DO	202
	A01120			A08120			Maxillary, convertible	0°	0°	0°	3.8	0°	0°	0°	.045	0°	0°	0°	202
		A01122	A01123		A08122	A08123	Maxillary, convertible, w/hook	0°	0°	0°	3.8	0°	0°	0°	.045	0°	0°	0°	202
	A01124			A08124			Maxillary, non-convertible	0°	0°	0°	3.8	0°	0°	0°	.045	0°	0°	0°	202
	A01125			A08125			Maxillary, non-convertible, w/hook	0°	0°	0°	3.8	0°	0°	0°	.045	0°	0°	0°	202
		A01156	A01157		A08056	A08057	Maxillary, convertible, w/hook	0°	0°	15° DO	3.8	0°	0°	0°	.045	0°	0°	0°	202
		A01160	A01161		A08060	A08061	Maxillary, convertible, w/hook	0°	-10°	15° DO	3.8	0°	0°	0°	.045	0°	0°	0°	123, 126, 128, 180, 202
		A04960	A04961		A08360	A08361	Maxillary, convertible, w/hook	0°	0°	15° DO	3.8	0°	0°	15° DO	.045	0°	0°	15° DO	104, 116, 119, 136, 171, 178
		A05654	A05655		A08604	A08605	Maxillary, convertible, w/hook	0°	-14°	14° DO	3.8	0°	0°	14° DO	.045	0°	-14°	14° DO	92, 97, 109, 136, 143, 180, 184, 185, 192, 174, 184, 192
		A05708	A05709		A08532	A08533	Maxillary, convertible, w/hook	0°	-14°	10° DO	4.2	0°	0°	10° DO	.045	0°	-14°	10° DO	113, 139, 189
		A05660	A05661		A08610	A08611	Mandibular, w/hook, not preangulated	-1°	-30°	4° DO	3.8	-1°	-30°	4° DO	.045	-1°	-30°	4° DO	93, 99, 111, 137, 145, 151, 155, 167, 175, 188, 193
	A06010			A08300			Combination Maxillary/Mandibular, w/.045 auxiliary	0°	0°	0°	4.6	0°	0°	0°	.040	0°	0°	0°	160

TRIPLE BUCCAL TUBES																					
Image	FOR BANDS			ON BASES			0.022	Description	MAIN ARCH SLOT				HEADGEAR				AUXILIARY SLOT				Page No.
	Universal	Right	Left	Universal	Right	Left			A	T	R	Length M/D (mm)	A	R	LOC.	SIZE	A	T	R		
	A01130			A08130			Maxillary, convertible		0°	0°	0°	3.8	0°	0°	gingival	.045	0°	0°	0°	202	
		A01132	A01133		A08132	A08133	Maxillary, convertible, w/hook		0°	0°	0°	3.8	0°	0°	gingival	.045	0°	0°	0°	202	
		A01170	A01171		A08070	A08071	Maxillary, convertible, w/hook		0°	-10°	15° DO	3.8	0°	0°	occlusal	.045	0°	0°	0°	202	
		A05674	A05675		A08624	A08625	Maxillary, convertible, w/hook		0°	-14°	14° DO	3.8	0°	0°	occlusal	.045	0°	-14°	14° DO	92, 97, 109, 110, 113, 124, 134, 153, 165, 174, 184, 192	
		A05728	A05729		A08552	A08553	Maxillary, convertible, w/hook		0°	-14°	10° DO	4.2	0°	0°	occlusal	.045	0°	-14°	10° DO	112, 138, 189	
		A05680	A05681		A08630	A08631	Mandibular, w/hook, not preangulated		-1°	-30°	4° DO	3.8	-1°	-30°	occlusal	.045	-1°	-30°	4° DO	93, 99, 111, 137, 145, 151, 155, 167, 175, 188, 193	

TADS



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- Dual-Top Temporary Anchorage Devices (TADs)
- Button Top
- Bracket Top/Cross Top with Collar
- Accessories
- Crimpable Hooks/Pliers



tad

RMO®'s Dual-Top Temporary Anchorage Device (TAD) system provides efficient and flexible biomechanics. Dual-Top TADs significantly enhance treatment capabilities and can be extremely effective in reducing treatment time, surgeries, and extractions. Appliances can be inserted chairside by the doctor and loaded immediately. Experience the latest generation of appliances—RMO's Dual-Top TADs

- FDA approved
- Self-drilling and self-tapping
- No pilot hole, tissue punch, incision or flap necessary
- 100% biocompatible - titanium alloy
- Chairside insertion/removal
- Low profile - comfortable for patient
- Eliminate patient compliance issues



Dual-Top TAD System Kit

- The Dual-Top system includes a well-organized storage block, which allows for repeated sterilization
- The Dual-Top system includes 14 of the most commonly used types and sizes of TADs
- The storage block has a layout for easy storage and TAD identification, with the thread diameters and TAD lengths etched into the block

	Order Number	Package Contains
Dual-Top TAD System Kit	K00935-2	
Kit components include:		
Button Driver Shaft (for Hand Driver Body)	G00110	1 each
Bracket Driver Shaft (for Hand Driver Body)	G00310	1 each
TAD System Storage Block	G00230-1	1 each
Hand Driver Body	G00232	1 each
Button Top TAD – Diameter 1.4mm x Length 6mm	G00111	1 each
Button Top TAD – Diameter 1.4mm x Length 8mm	G00112	2 each
Button Top TAD – Diameter 1.6mm x Length 6mm	G00113	4 each
Button Top TAD – Diameter 1.6mm x Length 8mm	G00114	2 each
Button Top TAD – Diameter 2.0mm x Length 8mm	G00117	1 each
Bracket Top TAD – Diameter 1.6mm x Length 6mm	G00313	2 each
Bracket Top TAD – Diameter 1.6mm x Length 8mm	G00314	2 each

Dual-Top Temporary Anchor Devices (TADs)

- Manufactured with surgical grade titanium alloy
- Self-drilling and self-tapping, with sharp fluted tips
- Reverse buttress thread design
- Smooth upper transmucosal shaft

Button Top TAD

- Small upper button
- Easy to attach Energy Chain™ or NiTi Coil Springs
- Secure retention of attachments
- Low profile-patient comfort
- Oversized collar resists gingival overgrowth

Diameter x Length	Order Number	Package Contains
1.4mm x 6mm (.056" x .236")	G00111	2 each
1.4mm x 8mm (.056" x .315")	G00112	2 each
1.6mm x 6mm (.063" x .236")	G00113	2 each
1.6mm x 8mm (.063" x .315")	G00114	2 each
1.6mm x 10mm (.063" x .394")	G00115	2 each
2.0mm x 6mm (.079" x .236")	G00116	2 each
2.0mm x 8mm (.079" x .315")	G00117	2 each
2.0mm x 10mm (.079" x .394")	G00118	2 each

Bracket Top TAD

- Arch slot of .022" for arch wire insertion
- Easy to ligate conventionally
- Oversized collar resists gingival overgrowth

Diameter x Length	Order Number	Package Contains
1.4mm x 6mm (.056" x .236")	G00311	2 each
1.4mm x 8mm (.056" x .315")	G00312	2 each
1.6mm x 6mm (.063" x .236")	G00313	2 each
1.6mm x 8mm (.063" x .315")	G00314	2 each
1.6mm x 10mm (.063" x .394")	G00315	2 each
2.0mm x 6mm (.079" x .236")	G00316	2 each
2.0mm x 8mm (.079" x .315")	G00317	2 each
2.0mm x 10mm (.079" x .394")	G00318	2 each

Cross Top with Collar TAD

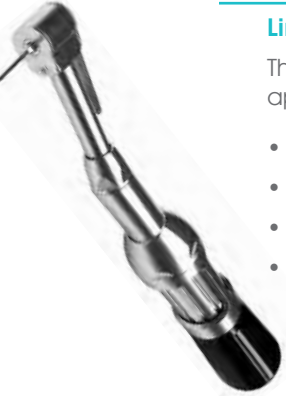
- Cross top arch slot .002" allows for arch wire insertion
- Easy to attach Energy Chain™ or NiTi Coil Springs
- Secure retention of attachments
- Oversized collar resists gingival overgrowth

Diameter x Length	Order Number	Package Contains
1.4mm x 6mm (.056" x .236")	G00411	2 each
1.4mm x 8mm (.056" x .315")	G00412	2 each
1.6mm x 6mm (.063" x .236")	G00413	2 each
1.6mm x 8mm (.063" x .315")	G00414	2 each
1.6mm x 10mm (.063" x .394")	G00415	2 each
2.0mm x 6mm (.079" x .236")	G00416	2 each
2.0mm x 8mm (.079" x .315")	G00417	2 each
2.0mm x 10mm (.079" x .394")	G00418	2 each



TAD

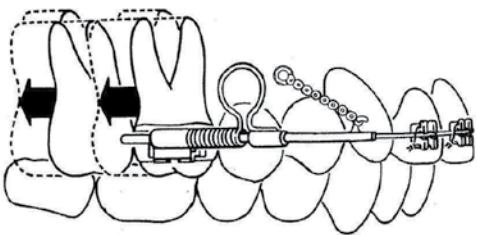
	Order Number	Package Contains
	Button Driver Shaft for Contra Angle G00100	1 each
	Cross Driver Shaft for Contra Angle G00200	1 each
	Bracket Driver Shaft for Contra Angle G00300	1 each
	Button Driver Shaft for Hand Driver Body G00110	1 each
	Cross Driver Shaft for Hand Driver Body G00210	1 each
	Bracket Driver Shaft for Hand Driver Body G00310	1 each
	TAD System Storage Block G00230-1	1 each
	Pilot Drill 1mm Diameter G00231	1 each
	Hand Driver Body G00232	1 each



- Lingual Driver for TADG002331 each
- Through its revolutionary one-hand control system, user can easily approach the most difficult implanting area of maxillary and mandible jaw bone:
- Designed to be used for inserting and removing Dual-Top TADs
 - Designed to be detachable for easy sterilization
 - Easy implant at Maxillary and Mandibular jawbone area
 - Enable user to control driver with only one-hand

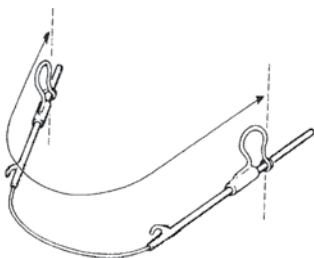
	Order Number	Package Contains
Orthonia Torque Driver Orthonia is a high-performing, battery-powered torque driver used for placing Temporary Anchorage Devices. It helps mitigate TAD failures during insertion procedures. • Reverse Rotation Function effective for proper and safe removal of TADs • 2 Speed Levels- Low -15 RPM and High - 20 RPM • Convenient and easy to set up-user friendly designed LCD and push button control panel • Torque limit settings- 5 torque limit levels ranging from 10N-cm to 30N-cm • Safety feature engages when torque limit is exceeded • Rechargeable Driver	G00235	1 each
		
Driver Adapter for Straight Shaft (included) • Accurate rotation axis, no wobbling during insertion, high success rate for implant retention • RPM control promotes stable insertion • Used with RMO product codes G00110, G00210, G00310		
		
Driver Adapter for Contra-Angle (included in kit and sold separately) • Easy access to difficult to reach areas such as: palate, retromolar pad • Adapter rotates to accommodate various angles of insertion • Used with RMO product codes G00100, G00200, G00300	G00236	1 each
		
Torque Limiting Driver • Prevent over torque • Easy control • Convenience and simple setup torque value • Safe implant placement • Torque range: 6N.cm until 30N.cm • Head separation for convenient washing • Compatible with existing instrument	G00234	1 each
		
TAD NiTi Coil Springs with Eyelets • Stainless steel eyelets are attached to each end of the closed NiTi coil spring to easily engage various appliances • Wire diameter of .010" and inside coil diameter of .030"		
		
Length	Order Number	Package Contains
7mm	G00304	10
9mm	G00301	10
12mm	G00302	10
15mm	G00303	10
TAD NiTi Coil Springs with Oval Eyelets • Stainless steel eyelets attached to NiTi Coil Springs • The pear-shaped opening allows for easy and secure attachment to the Button Top TAD • Wire diameter of .010" and inside coil diameter of .030"		
		
Length	Order Number	Package Contains
8mm	G00305	10
10mm	G00306	10
12mm	G00307	10

tad
DUAL-TOP TEMPORARY ANCHORAGE DEVICES (TADS)
ACCESSORIES – CRIMPABLE HOOKS/PLIERS



Maxillary Distalizing Arches – for use with TADs

- The Wilson® 3D® Maxillary Bimetric Distalizing Arch has been modified for use with TADs
- Energy Chain™, ligature wire, or coil spring connects the TAD with the gingival hook on the appliance
- Customized Distalizing Arches can be fabricated using components of the Wilson 3D Bimetric Arch (A04127-A04129, A04150-A04154) and the Omega Adjustable Stop (A04124)



Size	Order Number	Package Contains	Kit Contains
1 - 83mm	G00351	3	1
2 - 86mm	G00352	3	1
3 - 89mm	G00353	3	1
4 - 92mm	G00354	3	1
5 - 95mm	G00355	3	1
OrthoSol® Coil Springs	F00126	10	10
Distalizing Arch Selector	G00360	1	1
Assorted Kit	K00930		



Step Plier

- Adapts Bimetric Distalizing Arches for use with occlusal headgear tubes

Step Plier – .5mm	T00132	1 each
Step Plier – 1mm	T00134	1 each



Crimpable Hooks

- Designed for rectangular wire .016" x .022" through .019" x .025"

Crimpable Hook	A00129	10/pkg
Long Crimpable Hook	A00130	10/pkg

- Can be adapted for multiple applications



Crimpable Hook Plier

- These pliers provide the ability to attach Crimpable Hooks securely to the arch wire
- Angled head is designed to improve access to the posterior region

Apex Series™ Crimpable Hook Plier	T00130	1 each
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Schweickhardt Crimpable Hook Plier	i00129	1 each
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For better accuracy and precision
when and where you need it...

Orthonia, a high-performing, battery-powered torque driver used for placing TADs.



ORTHONIA



Make it really stick...

NEW SELF-ETCHING ADHESIVE SYSTEMS



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- RMbond® Indirect Bonding System
- MonoLok™2 Self- Etching Light/Dual Cure
- RMO® Band Cement
- FLI® Ceramic Adhesive
- MonoLok™2 One-Step Light Activated and Primer Activated bonding Systems
- Etching Gel/Kit Refills
- Curing Light

adhesives

RMO® offers two main options for bonding adhesives, Indirect bonding/Direct bonding.

RMbond® - Indirect Bonding System

In this system, the doctor bonds the brackets and tubes to a working model of the patient. A transfer tray is made and stored until the doctor is ready to bond the brackets. When the patient arrives for his/her visit it takes approximately 5 minutes for the entire bonding process to be completed. It is very precise in the bracket placement and saves time. This type of bonding is becoming more popular, particularly in high volume practices where efficiency is very important. RMO® offers both one-step primer activated and light cure adhesive systems in many configurations.

MonoLok™ 2 - Direct Bonding System

Using this system, the doctor bonds the brackets and tubes directly to the patient. RMO® has excellent product offerings for both types of bonding procedures.

MonoLok™2 Self-Etching Light Cure

MonoLok2 Self-Etching Light Cure is a self-etching primer solution. It eliminates one step in the bonding procedure, thereby reducing chair time. An enamel etchant and primer act together to prepare the enamel surface for application of an adhesive. No rinsing is needed. The dispensing system is extremely easy to use; just penetrate the foil cover with a supplied microbrush, vigorously apply the liquid to the enamel surface, remove the volatile components of the liquid with a stream of air, place bracket with light-cure adhesive onto the prepared enamel surface, then light cure. It is compatible with all light-cure adhesives.

MonoLok™2 Self-Etching Dual Cure

MonoLok2 Self-Etching Dual Cure is delivered as a two component capsule, separated by foil, that is easy to penetrate with a supplied microbrush, mix and dispense. The mixed solution is a self-etching primer solution. It eliminates one step in the bonding procedure, thereby reducing chair time. An enamel etchant and primer act together to prepare the enamel surface for application of an adhesive. No rinsing is needed. It is a dual cure system; curing occurs as a chemical reaction and/or with the blue range of visible light. After MonoLok2 Primer Activated adhesive and primer are activated, by applying the components onto the bracket base, setting starts. Before the material is entirely set, the mixed adhesive is placed on the prepared enamel surface. Setting is completed as part of a reaction between the adhesive and the dual cure self-etching primer.

RMO® Band Cement

RMO® Band Cement is a uniquely formulated, thin film resin that has a very low solubility in oral fluids and will not breakdown during use. Cement breakdown and dissolution are an issue with other types of materials used as a band cement. RMO® Band Cement is light-cured material, allowing a long working time, if needed. Its blue color assures it being visible during band removal & clean-up.

FLI® LC Ceramic Adhesive

FLI LC Ceramic Adhesive is formulated to optimize the properties needed by ceramic brackets. It is tooth colored for excellent color match to RMO® ceramic brackets. Its low solubility in oral fluids assures that it does not disintegrate during use. Its bond strength is more than adequate for clinical retention of ceramic brackets, but not so high that it would be difficult to debond. It is available in easy to use, disposable syringes.

Etching Gel System

This etching gel system ensures uniform etching of the tooth and rinses off readily, non-staining. The gel is a green color, to ensure precise placement on the tooth. Disposable tips provide more protection against cross-contamination.

RMbond® Indirect Bonding System



	Order Number	Package Contains
RMbond System Kit	K00290	
Kit includes:		
Instruction Manual		
2 oz. Separating Medium	J03255	1 bottle
1 ml (1.5 gm) Light Cure Flowable Adhesive Syringes with 10 Tips	J03257	2 syringes 2 ml (3 gm)
6 ml (6.5 gm) Light Cure Resin	J03259	1 bottle
1.9 ml Light Cure Turbo Material Syringe	J03260	1 syringe
30 ml Tray Finish	J03262	1 bottle
50 ml (52 gm) Inner Tray Material Cartridge with 24 Mixing Tips	J00256	6 cartridges 300 ml (312 gm)
Dispensing Gun for Inner Tray Material	J00258	1 each
Model Box	J00260	1 each
Round Rope Wax 11" (280mm)	J00255	1 box
Individual Components		
2 oz. Separating Medium	J03255	1 bottle
1 ml (1.5 gm) Light Cure Flowable Adhesive Syringes with 10 Tips	J03257	2 syringes 2 ml (3 gm)
Flowable Adhesive 20 gauge Tips	J03258	25 each
6 ml (6.5 gm) Light Cure Resin	J03259	1 bottle
1.9 ml Light Cure Turbo Material Syringe	J03260	1 syringe
30 ml Tray Finish	J03262	1 bottle
Round Rope Wax 11" (280mm)	J00255	80 per box
50 ml (52 gm) Inner Tray Material Cartridge with 24 Mixing Tips	J00256	6 cartridges 300 ml (312 gm)
Mixing Tips for Inner Tray Material	J00257	24 each
Dispensing Gun for Inner Tray Material	J00258	1 each
Model Box	J00260	2 each

MonoLok™2 Self-Etching Light Cure Overview

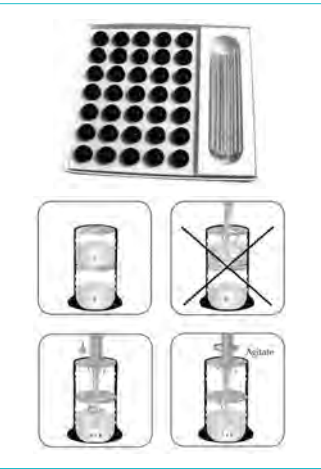
- One-step etchant and bonding resin in one solution
- Time saving: eliminates one step in bonding procedure
- Convenient, easy to use dispensing system
- Economical and fast bonding/re-bonding of brackets
- Compatible with all light-cure adhesives



	Order Number	Package Contains
	K00211	1 Kit
Kit includes:		
0.1 ml single dose units		48
Micro brush tips		50
Brush holder		1

MonoLok™2 Self-Etching Dual Cure Overview

- Unique, easy-to-use dispensing system
- Two components of mixture are separated by foil that is easy to penetrate with a supplied microbrush
- Easy to mix
- One-step etchant and bonding resin in mixed solution to prepare tooth surface
- Time saving, to prepare tooth surface
- Dual cure: chemical reaction and/or visible light



	Order Number	Package Contains
	K00210	1 Kit
Kit includes:		
2 x 0.1 ml Single Mix units		35
Micro brushes		35

RMO® Band Cement

	Order Number	Package Contains
RMO® Band Cement 5gm Syringe	J03280	1



FLI® Ceramic Light Activated Adhesive

	Order Number	Package Contains
	K00200	1 Kit

- Kit includes:
- FLI Ceramic Adhesive 3.5gm Syringe
 - Sealant Resin 3 ml bottle





MonoLok™2 Light Activated Bonding System (Capsule)

	Order Number	Package Contains
Kit Includes:		
0.35 gm Light Activated Adhesive in Capsules	J03236	40 (14gm)
7 ml Sealant Resin	J03233	1
7 ml Etchant	J03239	1
Mixing Pad	J03240	1
2.5" Long Brush Tips	J03231	50



MonoLok™2 Light Activated Bonding System (Syringe)

	Order Number	Package Contains
Kit Includes:		
3.5 gm Light Activated Adhesive in Push Syringes	J03235	4 (14gm)
7 ml Sealant Resin	J03233	1
7 ml Etchant (K00094 only)	J03239	1
Mixing Pad	J03240	1
2.5" Long Brush Tips	J03231	50



MonoLok™2 Light Activated Bonding System (Syringe Mini Kit)

	Order Number	Package Contains
Mini Kit includes:		
3.5 gm Light Activated Adhesive in Push Syringe		1 (3.5gm)
3 ml Sealant Resin		1
3 ml Etchant (K00097 only)		1
Mixing Pad		1
2.5" Long Brush Tips		20

MonoLok™2 Primer Activated Bonding System (Capsules)

	Order Number	Package Contains
Kit includes:		
0.35 gm Primer Activated Adhesive in Capsules	J03241	40 (14gm)
13 ml Primer	J03238	1
7 ml Etchant	J03239	1
Mixing Pad	J03240	1
2.5" Long Brush Tips	J03231	50
Paste Applicators	J03207	50



MonoLok™2 Primer Activated Bonding System (Syringe)

	Order Number	Package Contains
Kit Includes:		
3.5 gm Primer Activated Adhesive in Push Syringes	J03234	4 (14gm)
13 ml Primer	J03238	1
7 ml Etchant (K00091 only)	J03239	1
Mixing Pad	J03240	1
2.5" Long Brush Tips	J03231	50
Paste Applicators	J03207	50



MonoLok™2 Primer Activated Bonding System (Jar)

	Order Number	Package Contains
Kit Includes:		
14 gm Primer Activated Adhesive in a Jar	J03237	1 (14gm)
13 ml Primer	J03238	1
7 ml Etchant	J03239	1
Mixing Pad	J03240	1
2.5" Long Brush Tips	J03231	50
Paste Applicators	J03207	50



MonoLok™2 Primer Activated Bonding System (Syringe Mini Kit)

	Order Number	Package Contains
Mini Kit includes:		
3.5 gm Primer Activated Adhesive in Push Syringe		1 (3.5gm)
3 ml Primer		1
3 ml Etchant (K00096 only)		1
Mixing Pad		1
2.5" Long Brush Tips		20





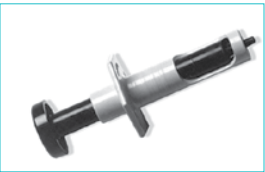
	Order Number	Package Contains
Etching Gel System		
	K00095	1 Kit
Kit Includes:		
12 gm Etchant Gel in a Syringe	J03245	1
Replacement Tips		10

Refills

	Order Number	Package Contains
Primer Activated Bonding System		
0.35 gm Primer Activated Adhesive in Capsules	J03241	40 (14 gm)
3.5 gm Primer Activated Adhesive in a Push Syringe	J03234	4 (14 gm)
14 gm Primer Activated Adhesive in a Jar	J03237	1 (14 gm)
13 ml Primer	J03238	1

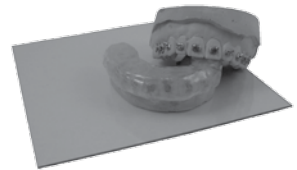
Light Activated Bonding System

0.35 gm Light Activated Adhesive in Capsules	J03236	40 (14 gm)
3.5 gm Light Activated Adhesive in a Push Syringe	J03235	4 (14 gm)
7 ml Sealant Resin	J03233	1



All Bonding Systems

MonoLok™ Dispensing Syringe for Capsules	J03212	1
Paste Applicators	J03207	50
4.5" Spatulas	J03230	25
2.5" Long Brush Tips	J03231	50
7 ml Etchant	J03239	1
Mixing Pad	J03240	1
Etchant Gel Replacement Tips	J03242	25
12 gm Etchant Gel	J03245	1



RMbond® Thermoform Sheets

- 5" square, .040" (1mm) thick
- Used for indirect bonding, retainers, bite plates, hard outer transfer tray
- Protective blue film on both sides.

J00375	10pk
J00376	100pk

FlashMax P3 Light Pen

- Highest output intensity of LED curing lights: 4,000-6,000 mW/cm², with a peak wavelength of 460 ± 20 nm.
- A battery-operated, cordless hand unit that provides maximum office flexibility and convenience
- Three curing modes for enhanced bonding versatility and operating efficiency
- Slim ergonomic design offers optimal access to posterior regions of the mouth
- Adjustable tips deliver consistent, uniform beam over wide range of surfaces and working distances
- Bilateral identical control buttons



	Order Number	Package Contains
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FlashMax P3 Light Pen Kit

Kit Includes:	J02120	1
4 mm tips	J02121	50
8 mm tips	J02122	50
Covers	J02123	10
Shield (Hand Held)	J02124	1
Universal disposable light shield	J02125	50



WIRE



table of contents

Nickel-Titanium	TRU-CHROME® Stainless Steel
Orthonol®	
Thermaloy® Plus	Elgiloy®
Thermaloy®	
	SWLF® Wires
FLI® Wires	
FLI® Copper Nickel-Titanium	RM® Locks, Hooks, Other Accessories
FLI® Aesthetic	
Bendaloy® Titanium	
NiTi Coil Spring	

wire

Wires are a key component of any fixed appliance treatment. Recent metallurgic advances have created many options for today’s orthodontists. RMO® is proud to have the most complete wire selection available in the market.

Key characteristics of wire to consider are: strength, stiffness (or its inverse – springiness), range, resilience and formability. Each wire has a unique set of properties, and the orthodontist selects the best option for their patient and treatment philosophy.

Some of our key wire categories are:

Nickel Titanium	Elgiloy® – Chromium Cobalt
Orthonol® – super elastic	Blue
Thermaloy® Plus – Thermal activated wire	Yellow
Thermaloy® – a true thermal activated wire – very light force	Green
	Red
FLI® Wires	Stainless Steel – Tru CHROME®
Copper Nickel-Titanium	Solid
Aesthetic/coated wires	Braided
	Flex-VIII™
Titanium Molybdenum	Twisted
Bendaloy® (Nickel-free)	Supra Flex™
	Tri Flex



wire forms 1 to 1

Orthonol® Superelastic NiTi
Thermaloy®
Thermaloy® Plus
FLI® CuNiTi 27, 35, 40
Bendaloy®
Eligiloy®
TRU-CHROME®
SWLF® Braided (8 Strands) SS

**Preformed Natural
Maxillary and Mandibular**

Orthonol® Superelastic NiTi
Thermaloy®
Thermaloy® Plus
Eligiloy®
TRU-CHROME®

**Preformed Ideal Maxillary
and Mandibular**

NORMAL

Preformed Penta-Morphic®
NiTi (Orthonol® Dimpled)
Eligiloy® (Yellow Heat Treated)
S.S. (TRU-CHROME®)

Orthonol® Superelastic NiTi
Thermaloy® Plus
FLI® CuNiTi 27, 35, 40

**Preformed Expanded
Universal Maxillary and
Mandibular**

Maxillary Anterior
Torquing (Debnam)
Eligiloy®
TRU-CHROME® Stainless Steel

**Preformed Anterior Arch
Blanks Maxillary and
Mandibular**

TAPERED

OVOID

Preformed Lingual Arches

LARGE **MEDIUM** **SMALL**

NARROW TAPERED

NARROW OVOID

NiTi wires were introduced as orthodontic wires due to their unique properties of shape memory and maintaining a constant force over a range of wire deflections to move teeth. RMO® offers many options for wires having low, medium, and high tooth-moving forces. The wire lines were designed with Thermaloy having the lowest forces with a true heat-activation characteristic in the mouth. Thermaloy Plus delivers medium forces, while still offering the feel of a thermal-activated wire. Orthonol delivers high forces and has super elastic properties. Orthonol has been used to offer additional arch forms in the Ricketts Penta-morphic shapes.

Wires have been designed and manufactured in a logical and consistent way. In each wire line, a larger wire delivers a greater force. Among wire lines, for the same size wire (for example, 0.16” round or .017” x .025” rectangular), Thermaloy delivers the lowest force; Thermaloy Plus delivers a moderate force; and Orthonol delivers the largest force. This gives the doctor a large number of options in selecting the type and size wire that is right for his/her practice.

Orthonol® Superelastic Nickel-Titanium
Preformed Natural Arches and Straight Lengths

- Nickel-titanium alloys are shape memory alloys
- Orthonol is superelastic nickel-titanium in preformed natural arch shapes
- Provides an ideal continuous gentle force at a constant, uninterrupted force level for tooth movement
- Reduces chair time by extending time between visits
- Permanent midline etchmarks: Three lines for a maxillary arch, one line for a mandibular arch
- Bulk and convenient single wire packaging ten wires to a box
- PurePak® protects against airborne contaminants and cross contamination, is not intended for autoclave or any other methods of sterilization

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	PurePak® Mandibular	Package Contains
ROUND						
.012	(0.305)	A07011	A07011-1	A07031	A07031-1	10
.014	(0.356)	A07000	A07000-1	A07020	A07020-1	10
.016	(0.406)	A07001	A07001-1	A07021	A07021-1	10
.018	(0.457)	A07002	A07002-1	A07022	A07022-1	10
SQUARE						
.016 x .016	(0.406 x 0.406)	A07004	A07004-1	A07024	A07024-1	10
.018 x .018	(0.457 x 0.457)	A07007	A07007-1	A07027	A07027-1	10
RECTANGULAR						
.016 x .022	(0.406 x 0.559)	A07005	A07005-1	A07025	A07025-1	10
.017 x .025	(0.432 x 0.635)	A07006		A07026		10
.018 x .025	(0.457 x 0.635)	A07008		A07028		10
.019 x .025	(0.483 x 0.635)	A07009	A07009-1	A07029	A07029-1	10
.021 x .025	(0.533 x 0.635)	A07010		A07030		10
STRAIGHT LENGTHS 7" (17.8cm)						
.016 x .022	(0.406 x 0.559)			E01100		10

Orthonol® Superelastic Nickel-Titanium Preformed Ideal Arches

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	PurePak® Mandibular	Package Contains
ROUND						
.012	(0.305)	A07400	A07400-1	A07420	A07420-1	10
.014	(0.356)	A07401	A07401-1	A07421	A07421-1	10
.016	(0.406)	A07402	A07402-1	A07422	A07422-1	10
.018	(0.457)	A07403		A07423		
SQUARE						
.016 x .016	(0.406 x 0.406)	A07405	A07405-1	A07425	A07425-1	10
.018 x .018	(0.457 x 0.457)	A07406		A07426		10
RECTANGULAR						
.016 x .022	(0.406 x 0.559)	A07407	A07407-1	A07427	A07427-1	10
.017 x .025	(0.432 x 0.635)	A07408	A07408-1	A07428	A07428-1	10
.018 x .025	(0.457 x 0.635)	A07409	A07409-1	A07429		10
.019 x .025	(0.483 x 0.635)	A07410		A07430		10

Orthonol® Superelastic Nickel-Titanium Preformed Expanded Arch

- Broader than natural arch shape to provide greater expansion
- Superelastic nickel-titanium
- Universal- one arch wire for both maxillary and mandibular
- Permanent midline etchmarks
- PurePak® protects against airborne contaminants and cross contamination, is not intended for autoclave or any other methods of sterilization

Inch	Size (mm)	Bulk Maxillary/Mandibular	PurePak® Maxillary/Mandibular	Package Contains
ROUND				
.013	(0.330)	E07000	E07000-1	10
.015	(0.381)	E07001	E07001-1	10
.016	(0.406)		E07002-1	10
.018	(0.457)		E07003-1	10
SQUARE				
.016 x .016	(0.406 x 0.406)		E07004-1	10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)		E07005-1	10
.017 x .025	(0.432 x 0.635)		E07006-1	10

Orthonol® Nickel-Titanium - Preformed Lingual Arches

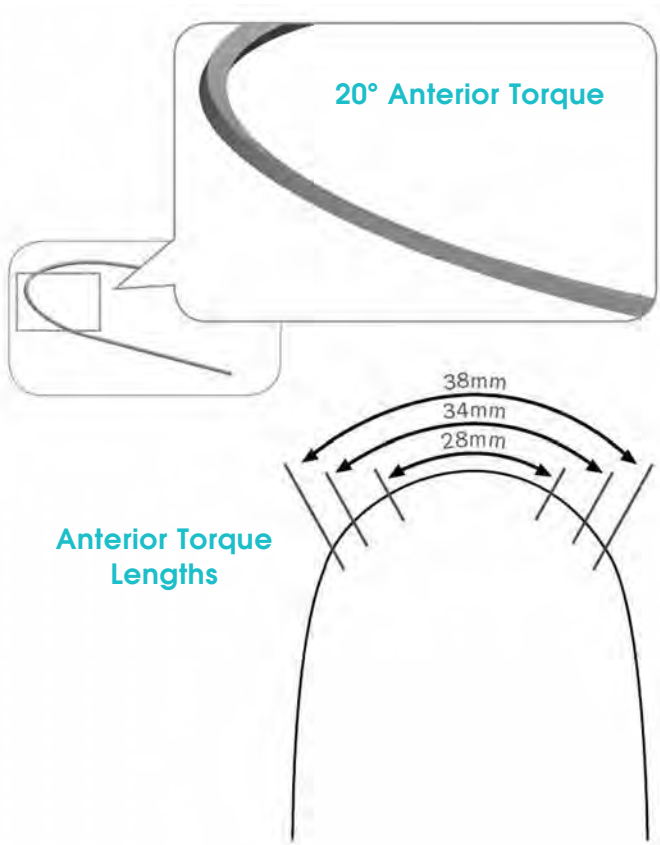
- Superelastic nickel-titanium
- Permanent midline etchmarks: three for maxillary, one for mandibular

Inch	Size (mm)	Small	Medium	Large	Package Contains
MAXILLARY ARCH WIRES					
.012	(0.305)	E01720	E01723	E01726	10
.014	(0.356)	E01721	E01724	E01727	10
.016	(0.406)	E01722	E01725	E01728	10
MANDIBULAR ARCH WIRES					
.012	(0.305)	E01740	E01743	E01746	10
.014	(0.356)	E01741	E01744	E01747	10
.016	(0.406)	E01742	E01745	E01748	10

Orthonol® Superelastic Nickel-Titanium
Pre-Torqued Preformed Natural Arches

- Provides the addition of torque into the anterior region while maintaining non-torque in the posterior region
- Nickel-titanium alloys are shape memory alloys
- Provides 20° anterior torque. Three anterior torque lengths available: 28, 34 and 38mm
- Labial or lingual torque forces available by flipping wire orientation

Inch	Size (mm)	Maxillary 34mm	Maxillary 38mm	Mandibular 28mm	Package Contains
.016 x .022	(0.406 x 0.559)	A07803	A07806	A07800	10
.017 x .025	(0.432 x 0.635)	A07804	A07807	A07801	10
.019 x .025	(0.483 x 0.635)	A07805	A07808	A07802	10



Penta-Morphic® Arches (Ricketts®)

- Finishing arches for post-treatment provide long-term stability
- Five arch forms: normal, tapered, ovoid, narrow tapered and narrow ovoid
- Tooth size, facial type, and other morphological considerations have been built into the five forms
- Distal length for individualized bends or continuation to second molar
- Maxillary or mandibular
- Orthonol (nickel-titanium) “dimpled” midline

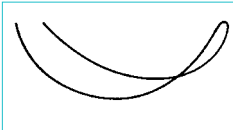
	SQUARE .016" x .016" (0.406mm x 0.406mm)	RECTANGULAR .016" x .022" (0.406mm x 0.559mm)	RECTANGULAR .017" x .025" (0.432mm x 0.635mm)	ROUND .014" (0.356mm)	ROUND .016" (0.406mm)	ROUND .018" (0.457mm)	Package Contains
Normal	E01520	E01530	E01535	E01500	E01505	E01510	10
Ovoid	E01521	E01531	E01536	E01501	E01506	E01511	10
Narrow Tapered	E01522	E01532	E01537	E01502	E01507	E01512	10
Tapered	E01523	E01533	E01538	E01503	E01508	E01513	10
Narrow Ovoid	E01524	E01534	E01539	E01504	E01509	E01514	10

	Order Number	Package Contains	
Penta-Morphic® Arch Selector 8" x 10" Vinylite	i00509	1	

Orthonol® Reverse Vector Arches

- Increases efficiency in closing anterior open bites and correcting excessive overbites
- Employs curve of spee to eliminate the need for step downs, step ups and other varieties of activating loops to correct overbites
- Leveling by extrusion (relative intrusion) can now be accomplished by one continuous reverse vector
- Minimizes molar rotation
- Controls incisor torque
- Permanent midline etchmarks: three lines for maxillary, one line for mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
ROUND				
.016	(0.406)	A07051	A07071	10
.018	(0.457)	A07052	A07072	10
SQUARE				
.016 x .016	(0.406 x 0.406)	A07054	A07074	10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)	A07055	A07075	10
.017 x .025	(0.432 x 0.635)	A07056	A07076	10
.019 x .025	(0.483 x 0.635)	A07059	A07079	10



Thermaloy® (Thermal Activated Nickel-Titanium) Plus

- Some thermal properties at room temperature; superelastic in the mouth
- For clinicians who want a higher force in a small round wire than a true thermal activated wire
- Forces intermediate between Thermaloy and Orthonol
- Easier insertion than a superelastic wire
- Forces delivered to teeth that compare to other intermediate force brands
- Bulk and convenient single wire packaging ten wires to a box
- PurePak® protects against airborne contaminants and cross contamination, is not intended for autoclave or any other methods of sterilization
- Permanent midline etchmarks: three lines for maxillary arch, one line for mandibular arch

PREFORMED NATURAL ARCHES

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	PurePak® Mandibular	Package Contains
ROUND						
.013	(0.330)	A07700	A07700-1	A07720		10
.014	(0.356)	A07701	A07701-1	A07721	A07721-1	10
.015	(0.381)	A07702		A07722		10
.016	(0.406)	A07703	A07703-1	A07723	A07723-1	10
.018	(0.457)	A07704	A07704-1	A07724	A07724-1	10
.020	(0.508)	A07710		A07730		10
SQUARE						
.016 x .016	(0.406 x 0.406)	A07705		A07725	A07725-1	10
.020 x .020	(0.508 x 0.508)	A07712		A07732		10
RECTANGULAR						
.014 x .025	(0.356 x 0.635)	A07711		A07731		10
.016 x .022	(0.406 x 0.559)	A07706	A07706-1	A07726	A07726-1	10
.017 x .025	(0.432 x 0.635)	A07707		A07727		10
.018 x .025	(0.457 x 0.635)	A07708	A07708-1	A07728	A07728-1	10
.019 x .025	(0.483 x 0.635)	A07709	A07709-1	A07729	A07729-1	10

PREFORMED IDEAL ARCHES

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	Package Contains
ROUND					
.013	(0.330)	A07740		A07760	10
.014	(0.356)	A07741		A07761	10
.015	(0.381)	A07742		A07762	10
.016	(0.406)	A07743		A07763	10
.018	(0.457)	A07744		A07764	10
SQUARE					
.016 x .016	(0.406 x .0.406)	A07745		A07765	10
RECTANGULAR					
.016 x .022	(0.406 x 0.559)	A07746		A07766	10
.017 x .025	(0.432 x 0.635)	A07747		A07767	10
.018 x .025	(0.457 x 0.635)	A07748	A07748-1		10
.019 x .025	(0.483 x 0.635)	A07749			10

Thermaloy® (Thermal Activated Nickel-Titanium) Plus Preformed Expanded Arch

- Broader than natural arch shape to provide greater expansion
- Universal: one arch wire for both maxillary and mandibular
- Permanent midline etchmarks
- Some thermal properties at room temperature; superelastic in the mouth
- For clinicians who want a higher force in a small round wire than a true thermal activated wire
- Forces intermediate between Thermaloy and Orthonol
- Easier insertion than a superelastic wire
- Forces delivered to teeth that compare to other intermediate force brands
- Bulk and convenient single wire packaging with ten wires to a box
- PurePak® protects against airborne contaminants and cross contamination, is not intended for autoclave or any other methods of sterilization

Inch	Size (mm)	Bulk Maxillary/Mandibular	PurePak® Maxillary/Mandibular	Package Contains
ROUND		E07010		
.013	(0.330)		E07010-1	10
.016	(0.406)		E07012-1	10
.018	(0.457)		E07013-1	10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)		E07020-1	10
.017 x .025	(0.432 x 0.635)		E07021-1	10
.018 x .025	(0.457 x 0.635)		E07022-1	10

Thermaloy® (Thermal Activated Nickel-Titanium)
Preformed Natural and Ideal Arches

- Pliable at room temperature and superelastic at body temperature
- Can be used as an initial arch wire for treatment
- Same elastic working range as superelastic with lower forces
- Can be used earlier in treatment to provide tongue control
- Easier to ligate in severely maligned cases and impacted canines
- Increases patient comfort
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch
- Bulk and convenient single wire packaging ten wires to a box
- PurePak protects against airborne contaminants and cross contamination, is not intended for autoclave or any other methods of sterilization

PREFORMED NATURAL ARCHES

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	PurePak® Mandibular	Package Contains
ROUND						
.013	(0.330)	A07310	A07310-1	A07330	A07330-1	10
.014	(0.356)	A07300	A07300-1	A07320		10
.015	(0.381)	A07311	A07311-1	A07331	A07331-1	10
.016	(0.406)	A07301	A07301-1	A07321	A07321-1	10
.017	(0.432)	A07312	A07312-1	A07332	A07332-1	10
.018	(0.457)	A07302	A07302-1	A07322	A07322-1	10
.020	(0.508)	A07313		A07333		10
SQUARE						
.016 x .016	(0.406 x 0.406)	A07303	A07303-1	A07323	A07323-1	10
.020 x .020	(0.508 x 0.508)	A07315		A07335		10
RECTANGULAR						
.014 x .025	(0.356 x 0.635)	A07314		A07334		10
.016 x .022	(0.406 x 0.559)	A07304	A07304-1	A07324	A07324-1	10
.017 x .025	(0.432 x 0.635)	A07305	A07305-1	A07325	A07325-1	10
.018 x .025	(0.457 x 0.635)	A07306	A07306-1	A07326	A07326-1	10
.019 x .025	(0.483 x 0.635)	A07307	A07307-1	A07327		10
.021 x .025	(0.533 x 0.635)	A07308	A07308-1	A07328	A07328-1	10

PREFORMED IDEAL ARCHES

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	PurePak® Mandibular	Package Contains
ROUND						
.013	(0.330)	A07360		A07380		10
.014	(0.356)	A07350		A07370	A07370-1	10
.015	(0.381)	A07361	A07361-1			10
.016	(0.406)	A07351	A07351-1	A07371	A07371-1	10
.018	(0.457)	A07352		A07372		10
SQUARE						
.016 x .016	(0.406 x 0.406)	A07353		A07373		10
RECTANGULAR						
.016 x .022	(0.406 x 0.559)	A07354	A07354-1	A07374	A07374-1	10
.017 x .025	(0.432 x 0.635)	A07355	A07355-1	A07375		10
.018 x .025	(0.457 x 0.635)	A07356		A07376		10
.019 x .025	(0.483 x 0.635)	A07357	A07357-1	A07377	A07377-1	10

FLI® Copper Nickel-Titanium Wire Overview

FLI Copper Nickel-Titanium is the newest addition to RMO®’s extensive line of archwires providing flexible treatment options with a wide selection of forces and wire sizes. The addition of copper to nickel-titanium alloy enhances the thermal properties of the wire while maintaining precise control of forces. Enhanced resistance to permanent deformation and smooth progression of transformation temperatures yielding an expected feel in hand makes FLI Copper Nickel-Titanium the ideal treatment solution for any office. Materials: Copper Nickel-Titanium, 49.1% Ni, 44.5% Ti, 6% Cu, Balance Cr (nominal composition). Transformation Temperatures: 27°C Highest Force Levels, 35°C Medium Force Levels, 40°C Lower Force Levels.

FLI® Copper Nickel-Titanium Preformed Expanded Arch

Inch	Size (mm)	PurePak® Maxillary/Mandibular	Package Contains
ROUND			
.013	(0.330)	E07030-1	10
.014	(0.356)	E07031-1	10
.016	(0.406)	E07032-1	10
.018	(0.457)	E07033-1	10
RECTANGULAR			
.014 x .025	(0.356 x 0.635)	E07034-1	10
.016 x .025	(0.406 x 0.635)	E07035-1	10
.018 x .025	(0.457 x 0.635)	E07036-1	10

FLI® Copper Nickel-Titanium Preformed Natural Arch

FLI® Copper Nickel-Titanium 27

Inch	Size (mm)	Maxillary	Bulk Mandibular	Package Contains
ROUND				
.014	(0.356)	A07820	A07830	10
.016	(0.406)	A07821	A07831	10
.018	(0.457)	A07822	A07832	10
RECTANGULAR				
.014 x .025	(0.356 x 0.635)	A07823	A07833	10
.016 x .022	(0.406 x 0.559)	A07824	A07834	10
.017 x .025	(0.432 x 0.635)	A07826	A07836	10
.018 x .025	(0.457 x 0.635)	A07827	A07837	10
.019 x .025	(0.483 x 0.635)	A07828	A07838	10

FLI® Copper Nickel-Titanium 35

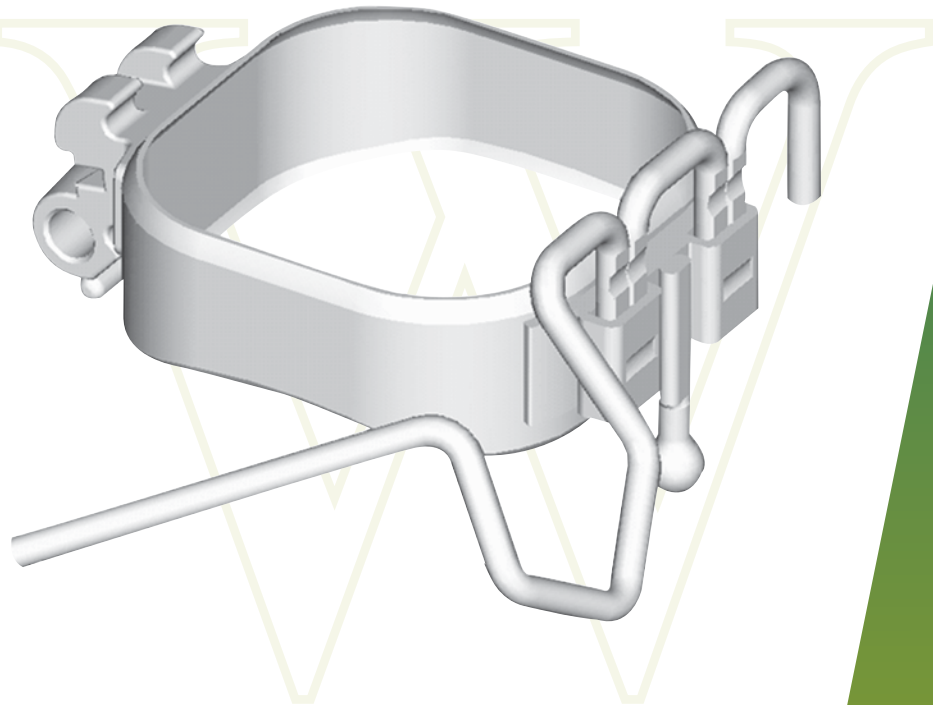
Inch	Size (mm)	Maxillary	Bulk Mandibular	Package Contains
ROUND				
.016	(0.406)	A07840	A07850	10
.018	(0.457)	A07841	A07851	10
SQUARE				
.020 x .020	(0.508 x 0.508)	A07843	A07853	10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)	A07844	A07854	10
.017 x .025	(0.432 x 0.635)	A07845	A07855	10
.018 x .025	(0.457 x 0.635)	A07846	A07856	10
.019 x .025	(0.483 x 0.635)	A07847	A07857	10

FLI® Copper Nickel-Titanium 40

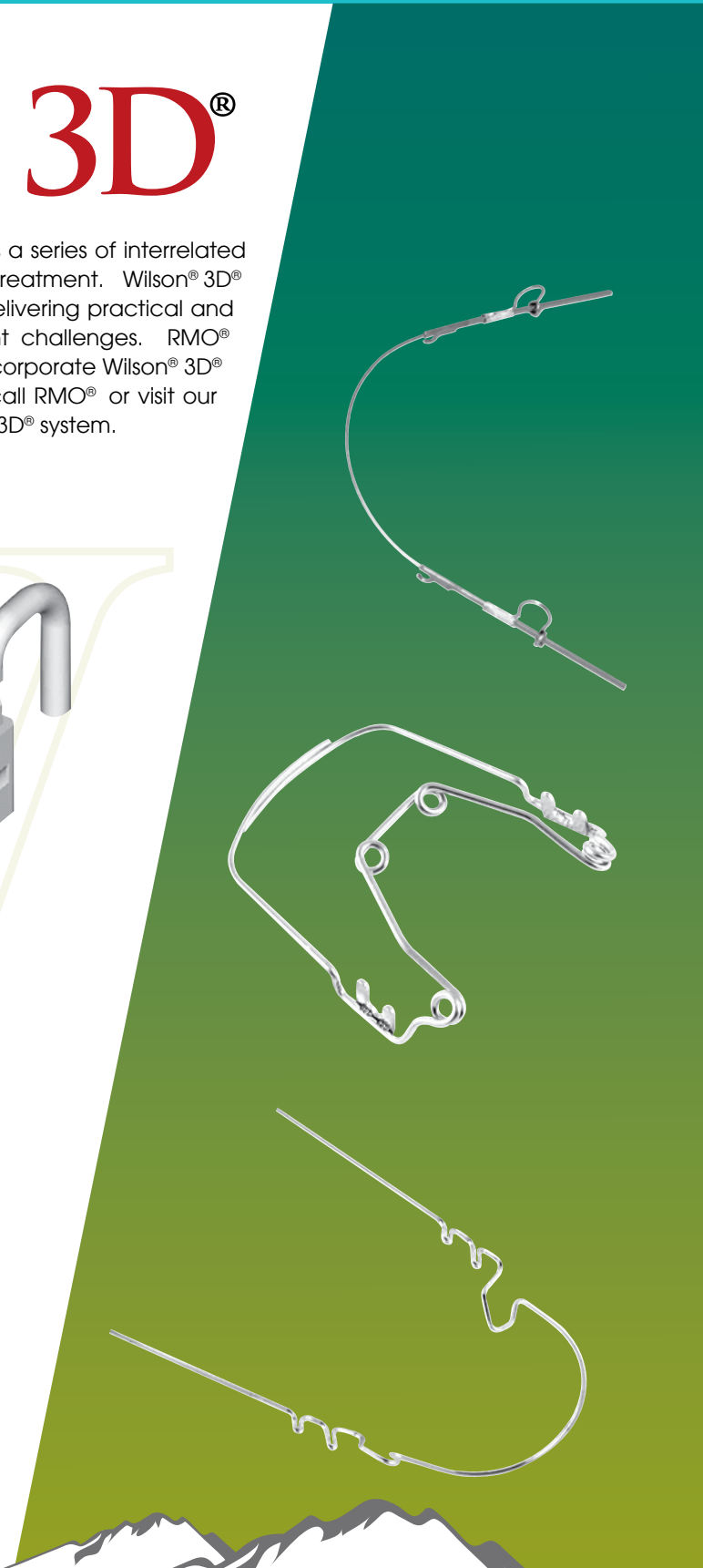
Inch	Size (mm)	Maxillary	Bulk Mandibular	Package Contains
RECTANGULAR				
.016 x .022	(0.406 x 0.559)	A07860	A07870	10
.017 x .025	(0.432 x 0.635)	A07861	A07871	10
.019 x .025	(0.483 x 0.635)	A07862	A07872	10
.021 x .025	(0.533 x 0.635)	A07863	A07873	10

WILSON® 3D®

The 3D® 1st Phase FIXED/REMOVABLE® Wilson® system comprises a series of interrelated fixed/removable intraoral modules that simplify and improve treatment. Wilson® 3D® appliances can be used to supplement all techniques while delivering practical and simple solutions to both typical and extraordinary movement challenges. RMO® sponsors numerous CE events that teach the skills needed to incorporate Wilson® 3D® concepts and materials into your present technique. Please call RMO® or visit our website for additional information about the legendary Wilson® 3D® system.



- Time tested and proven
- Over 100 different movements possible, including: expansion, contraction, distalization, space maintenance, bilateral, and unilateral
- Does not replace your current technique – the Wilson® system simply complements your current system
- First phase, early treatment, mixed dentition, and adults
- Preconfigured sizes to fit all patient dental ranges
- Fixed for the patient and easily removable by the clinician for rapid chairside adjustments



FLI® Wire Orthonol® Superelastic Nickel-Titanium Preformed Natural Aesthetic Coated Arch Wires

- Natural appearance that will last until your next wire change
- Maintains expected wire properties and performance characteristics of the wire
- Coating on labial surface only
- Nickel-titanium alloys are shape memory alloys
- Orthonol is superelastic nickel-titanium in preformed natural arch shapes
- Provides an ideal continuous gentle force at a constant, uninterrupted force level for tooth movement
- Reduces chair time by extending time between visits

Inch	Size	(mm)	Maxillary	Mandibular	Package Contains
ROUND					
	.014	(0.356)	A07000-A	A07020-A	10
	.016	(0.406)	A07001-A	A07021-A	10
	.018	(0.457)	A07002-A	A07022-A	10
SQUARE					
	.016 x .016	(0.406 x 0.406)	A07004-A	A07024-A	10
RECTANGULAR					
	.016 x .022	(0.406 x 0.559)	A07005-A	A07025-A	10
	.017 x .025	(0.432 x 0.635)	A07006-A	A07026-A	10
	.019 x .025	(0.483 x 0.635)	A07009-A	A07029-A	10

FLI® Wire TRU-CHROME® Stainless Steel Preformed Natural Aesthetic Coated Arch Wires

- Natural appearance that will last until your next wire change
- Maintains expected wire properties and performance characteristics of the wire
- Coating on labial surface only

Inch	Size	(mm)	Maxillary	Mandibular	Package Contains
SQUARE					
	.016 x .016	(0.406 x 0.406)	A07205-A	A07225-A	10
RECTANGULAR					
	.016 x .022	(0.406 x 0.559)	A07207-A	A07227-A	10
	.017 x .025	(0.432 x 0.635)	A07208-A	A07228-A	10
	.019 x .025	(0.483 x 0.635)	A07210-A	A07230-A	10

Bendaloy® Titanium – Molybdenum-Based Alloy Preformed Natural Arches

- Bendaloy is a nickel-free material that is ideally suited for patients with high sensitivity or reactions to nickel content
- Large springback provides better control over tooth movement
- Minimizes adjustment intervals
- With less stiffness than stainless steel, it allows wires to fill the bracket for control with lighter forces
- Is formable and capable of being formed into complicated configurations without fracture
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch
- Bendaloy Round is ideal for alignment, rotations, retractions and finishing
- Bendaloy Rectangle is ideal for torquing, rotations, retractions and finishing

Inch	Size	mm	Maxillary	Mandibular	Package Contains
ROUND					
.016		(0.406)	A07121	A07130	10
.018		(0.457)	A07122	A07131	10
SQUARE					
.016 x .016		(0.406 x 0.406)	A07124	A07133	10
RECTANGULAR					
.016 x .022		(0.406 x 0.559)	A07125	A07134	10
.017 x .025		(0.432 x 0.635)	A07126	A07135	10
.019 x .025		(0.483 x 0.635)	A07128	A07137	10
.021 x .025		(0.533 x 0.635)	A07129	A07138	10

Bendaloy® Titanium – Molybdenum-Based Alloy, Straight Lengths, 14" (35.56cm)

- Bendaloy is a nickel-free material that is ideally suited for patients with high sensitivity or reactions to nickel content
- High springback and more resilient than stainless steel
- Low stiffness which produces light, continuous forces
- High formability which allows extensive bending and wire forming without fracture
- Springback of this wire makes it excellent for sectional arches, auxiliaries and detailing arch wires
- Bendaloy Straight Lengths are ideal for alignment, rotations, retractions and finishing
- Bendaloy Rectangular/Square Lengths are ideal for torquing, rotations, retractions and finishing

Inch	Size	(mm)	Order Number	Package Contains
ROUND				
.016		(0.406)	E00620	10
.018		(0.457)	E00621	10
SQUARE				
.016 x .016		(0.406 x 0.406)	E00622	10
.0175 x .0175		(0.445 x 0.445)	E00628	20
RECTANGULAR				
.016 x .022		(0.406 x 0.559)	E00623	10
.017 x .025		(0.432 x 0.635)	E00624	10
ROUND LAB WIRE				
.032		(0.813)	E00626	10
.036		(0.914)	E00627	10

Compression Springs (Open Coil)

- Cost effective alternative to maintaining a large office inventory of sizes of variable (adjustable) force coil springs cut to desired length

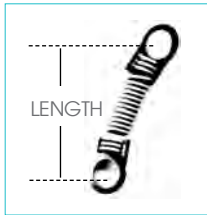
Coil Spring Wire Size (inch)	Inside Diameter (inch)	(mm)	Length	Order Number	Package Contains
.010 x	.030	(0.254 x 0.762)	7" (17.8mm)	F00300	3 (53cm)
.012 x	.030	(0.305 x 0.762)	7" (17.8mm)	F00301	3 (53cm)
.012 x	.045	(0.305 x 1.143)	7" (17.8mm)	F00302	3 (53cm)



Extension Springs (Closed Coil)

- Stainless steel eyelets are attached to each end of the spring to easily engage hooks
- Variable (adjustable) coil spring

Coil Spring Wire Size (inch)	Inside Diameter (inch)	(mm)	Length (mm)	Order Number	Package Contains
.010 x	.030	(0.254 x 0.762)	9mm	F00320	10
.010 x	.030	(0.254 x 0.762)	12mm	F00321	10
.011 x	.030	(0.279 x 0.762)	9mm	F00322	10
.011 x	.030	(0.279 x 0.762)	12mm	F00323	10
.012 x	.030	(0.305 x 0.762)	9mm	F00324	10
.012 x	.030	(0.305 x 0.762)	12mm	F00325	10



Distalizing Spring (Stop Wound Coil)

- Distalizes molars without use of headgear
- Slides easily over any arch wire
- Fit to any desired length; cuts to length
- Activate by compressing spring, with the use of an RMO® lock

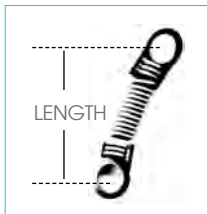
Coil Spring Wire Size (inch)	Inside Diameter (inch)	(mm)	Length (inch/mm)	Order Number	Package Contains
.010" x	.045"	(0.254 x 1.143)	7" (17.8cm)	F00340	3



TAD Extension Springs with Large Eyelets (Closed Coil)

- Stainless steel eyelets are attached to each end of the NiTi coil spring
- Larger eyelets have been specifically designed to fit directly onto the Button Top Mini Implant

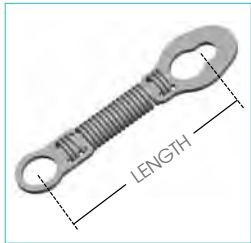
Coil Spring Wire Size (inch)	Inside Diameter (inch)	(mm)	Length (inch/mm)	Order Number	Package Contains
.010 x	.030	(0.254 x 0.762)	7mm	G00304	10
.010 x	.030	(0.254 x 0.762)	9mm	G00301	10
.010 x	.030	(0.254 x 0.762)	12mm	G00302	10
.010 x	.030	(0.254 x 0.762)	15mm	G00303	10



TAD Coil Springs with Oval End

- Stainless steel eyelet attached to one end and an oval end attached to the other end
- The pear-shaped opening allows for easy insertion over the Button Top TAD
- Wire diameter of .010" and inside coil diameter of .030"
- Variable (adjustable) coil spring

Length	Order Number	Package Contains
8mm	G00305	10
10mm	G00306	10
12mm	G00307	10



TRU-CHROME®

TRU-CHROME® Development

Wire has been basic to orthodontics since its beginning. By serving as holding, anchoring and spring elements, the orthodontist is able to stimulate tooth movement predictably and precisely.

In developing specialty wires for modern orthodontics, several considerations are involved:

- Semantic problem of matching requirements and terminology of orthodontics with engineering terms and tests.
- Selecting the best alloys, tempers, sizes, etc.
- Engineering procedures and quality controls for accuracy and dependability.
- Refinement of time-saving instruments, equipment and handling techniques to assure best results.

In the selection here, you will find the most complete choice of controlled quality wire for all techniques.

The success of chrome alloy stainless steel in orthodontics lies in the keen combination of delicacy and strength. It possesses, to an unusual degree, those three requisites of an orthodontic metal—hardness, elastic limit and tensile strength.

TRU-CHROME® Stainless Steel Wire

TRU-CHROME stainless steel wire is a stable, consistent, predictable performance wire, offered in four tempers. Quality controls are the tightest of any stainless steel wire in the industry.

Resilient Arch Wire Temper

Resilient arch wire temper is available in preformed arch blanks and is used in some special wire forms, depending on the suitability for the desired usage. Straight lengths are provided for those who prefer forming their own arch wires.

Retainer Wire or No. 2 Temper

Retainer wire or No. 2 temper stainless steel wire has a softer temper than arch wire temper, which enables the operator to more easily form the wire into retainer appliances. Forming the wire work-hardens it and provides a working resiliency for retainer appliances.

Clasp Wire Temper

Clasp wire is a stainless steel wire between the resilient arch wire temper and the retainer wire temper. It is soft enough to be instrument-formed to the clasp configuration and, in forming, gains sufficient hardening from pliering to have a satisfactory spring resiliency for clasps.

Ligature Wire Temper

Ligature Wire is a stainless steel wire of “dead-soft” temper that allows ligating and tying to be done with minimal work-hardening of the wire.

Stainless Steel Wire Properties

Composition of TRU-CHROME®

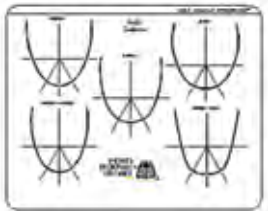
	Type 302	Type 304
Carbon	0.08-0.20	0.08 max
Manganese	2.00 max	2.00 max
Silicon	1.00 max	1.00 max
Phosphorus	0.040 max	0.040 max
Sulphur	0.030 max	0.030 max
Chromium	17-19	18-30
Nickel	8-10	8-10
Iron	Balance	Balance

Penta-Morphic® Arches (Ricketts®)

- Developed by Dr. Robert Ricketts
- Finishing arches for post-treatment provide long-term stability
- Five arch forms: normal, tapered, ovoid, narrow tapered and narrow ovoid
- Tooth size, facial type and other morphological considerations have been built into the five forms
- Distal length for individualized bends or continuation to second molar
- Permanent midline etchmark on universal maxillary/mandibular
- TRU-CHROME stainless steel

	RECTANGULAR .016" x .022" (0.406 x 0.559mm)	RECTANGULAR .017" x .025" (0.432 x 0.635mm)	RECTANGULAR .018" x .025" (0.457 x 0.635mm)	RECTANGULAR .019" x .025" (0.483 x 0.635mm)	SQUARE .016" x .016" (0.406 x 0.406mm)	ROUND .014" (0.356mm)	ROUND .016" (0.406mm)	ROUND .018" 0.457mm	ROUND .020" 0.508mm	Package Contains
Normal	E00651	E00661	E01035	E01045	E01000	E01005	E01010	E01015	E01060	10
Tapered	E00652	E00662	E01036	E01046	E01001	E01006	E01011	E01016	E01061	10
Ovoid	E00653	E00663	E01037	E01047	E01002	E01007	E01012	E01017	E01062	10
Narrow Tapered	E00654	E00664	E01038	E01048	E01003	E01008	E01013	E01018	E01063	10
Narrow Ovoid	E00655	E00665	E01039	E01049	E01004		E01014	E01019	E01064	10

	Order Number	Package Contains
Penta-Morphic® Arch Selector 8" x 10" Vinylite	i00509	1



TRU-CHROME® Stainless Steel Preformed Natural Arches

- TRU-CHROME preformed natural arches can be easily soldered, stress relieved, and spot welded
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch
- Bulk and convenient single wire packaging ten wires to a box
- PurePak® protects against airborne contaminants and cross contamination, is not intended for autoclave or any other methods of sterilization

Inch	Size (mm)	Bulk Maxillary	PurePak® Maxillary	Bulk Mandibular	PurePak® Mandibular	Package Contains
ROUND						
.014	(0.356)	A07201		A07221		100
.016	(0.406)	A07202		A07222		100
.018	(0.457)	A07203		A07223		100
SQUARE						
.016 x .016	(0.406 x 0.406)	A07205		A07225		10
.018 x .018	(0.457 x 0.457)	A07206		A07226		10
.019 x .019	(0.483 x 0.483)	A07212		A07232		10
RECTANGULAR						
.016 x .022	(0.406 x 0.559)	A07207	A07207-1	A07227	A07227-1	10
.017 x .025	(0.432 x 0.635)	A07208	A07208-1	A07228	A07228-1	10
.018 x .025	(0.457 x 0.635)	A07209		A07229		10
.019 x .025	(0.483 x 0.635)	A07210		A07230		10
.021 x .025	(0.533 x 0.635)	A07211		A07231		10

TRU-CHROME® Stainless Steel Preformed Ideal Arches

- TRU-CHROME Preformed Ideal Arches can be easily soldered, stress relieved and spot welded
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
ROUND				
.014	(0.356)	A07251	A07271	100
.016	(0.406)	A07252	A07272	100
.018	(0.457)	A07253	A07273	100
SQUARE				
.016 x .016	(0.406 x 0.406)	A07255	A07275	10
.018 x .018	(0.457 x 0.457)	A07256	A07276	10
.019 x .019	(0.483 x 0.483)	A07262		10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)	A07257	A07277	10
.017 x .025	(0.432 x 0.635)	A07258	A07278	10
.018 x .025	(0.457 x 0.635)	A07259	A07279	10
.019 x .025	(0.483 x 0.635)	A07260	A07280	10
.021 x .025	(0.533 x 0.635)	A07261	A07281	10

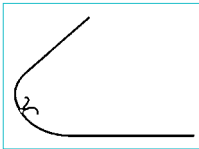
TRU-CHROME® Stainless Steel Anterior Arch Blanks

- All arch blanks are anterior contour (3 x 3) with midline etchmarks: three lines for a maxillary arch, and one line for a mandibular arch
- TRU-CHROME stainless steel arch blanks can be easily soldered, stress relieved and spot welded

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
ROUND				
.016	(0.406)	A00781	A00786	100
.018	(0.457)	A00782	A00787	100
.020	(0.508)	A00783	A00788	100
SQUARE				
.016 x .016	(0.406 x 0.406)	A00819	A00824	10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)	A00798	A00808	10
.017 x .025	(0.432 x 0.635)	A00800	A00810	10
.018 x .022	(0.457 x 0.559)	A00801	A00811	10
.018 x .025	(0.457 x 0.635)	A00802	A00812	10
.019 x .026	(0.483 x 0.660)	A00803	A00813	10

Maxillary Anterior Torquing Arch (Debnam)

	.018" (0.457mm)	.020" (0.508mm)	Package Contains
TRU-CHROME® Stainless Steel	E00610	E00611	5



TRU-CHROME® Stainless Steel Wire ● Round, 14" (35.56cm) Lengths

Size Inch	(mm)	Resilient Wire	Package Contains
.010	(0.254)	E00003	30
.011	(0.279)	E00004	30
.012	(0.305)	E00005	30
.014	(0.356)	E00007	30
.016	(0.406)	E00009	30
.018	(0.457)	E00010	20
.020	(0.508)	E00011	20
.022	(0.559)	E00013	20
.024	(0.610)	E00014	20
.025	(0.635)	E00015	10
.028	(0.711)	E00016	10
.030	(0.762)	E00017	10
.032	(0.813)	E00018	10
.036	(0.914)	E00019	10
.040	(1.016)	E00020	6
.045	(1.143)	E00021	6
.050	(1.270)	E00022	5
.060	(1.524)	E00024	5

TRU-CHROME® Stainless Steel Wire ■ Square (Square cornered), 14" (35.56cm) Lengths

.016 x .016	(0.406 x 0.406)	E00313	10
.017 x .017	(0.432 x 0.432)	E00314	10
.019 x .019	(0.483 x 0.483)	E00092	10

TRU-CHROME® Stainless Steel Wire ■ Rectangular (Square cornered), 14" (35.56cm) Lengths

.016 x .022	(0.406 x 0.559)	E00098	10
.017 x .022	(0.432 x 0.559)	E00099	10
.017 x .025	(0.432 x 0.635)	E00311	10
.018 x .022	(0.457 x 0.559)	E00096	10
.018 x .025	(0.457 x 0.635)	E00097	10
.019 x .026	(0.483 x 0.660)	E00095	10
.021 x .025	(0.533 x 0.635)	E00090	10
.0215 x .028	(0.546 x 0.711)	E00091	10

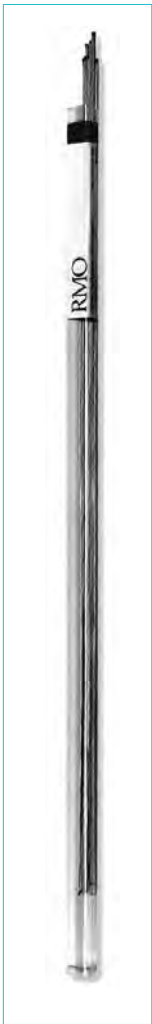
TRU-CHROME® Stainless Steel Wire ■ Rectangular (Round cornered), 14" (35.56cm) Lengths

.018 x .025	(0.457 x 0.635)	E00103	10
.019 x .026	(0.483 x 0.660)	E00107	10
.021 x .025	(0.533 x 0.635)	E00105	10
.0215 x .028	(0.546 x 0.711)	E00106	10

TRU-CHROME® Stainless Steel Wire ■ Flat Ribbon Arch, 14" (35.56cm) Lengths

.010 x .020	(0.254 x 0.508)	E00110	20
.015 x .028	(0.381 x 0.711)	E00116	20
.015 x .036	(0.381 x 0.914)	E00117	20





TRU-CHROME® Stainless Steel Retainer Wire ●Round,
14" (35.56cm) Lengths, No. 2 Temper

- Retainer Wire, No. 2 Temper is softer than arch wire, which enables the operator to more easily form the wire into retainer appliances
- Forming of the wire work-hardens the wire and provides a working resiliency for those types of appliances

Inch	Size (mm)	Order Number	Package Contains
.028	(0.711)	E00080	10
.030	(0.762)	E00081	10
.032	(0.813)	E00082	10
.036	(0.914)	E00083	10
.040	(1.016)	E00084	6

TRU-CHROME® Stainless Steel Retainer Clasp Wire ●Round,
12" (30cm) Lengths, Clasp Wire Temper

- Clasp Wire Temper is between the resilient arch wire and the retainer wire
- It is soft enough to be instrument formed to the clasp configuration
- Forming gains sufficient hardening for the pliering to have satisfactory spring resiliency for clasp

Inch	Size (mm)	Gauge	Round	Half Round	Package Contains
.028	(0.711)	21	E00065		5
.032	(0.813)	20	E00064		5
.036	(0.914)	19	E00063		5
.040	(1.016)	18	E00062		5
.057	(1.448)	15		E00071	5

Twisted Bondable Lingual Retainer Wire- Dead Soft

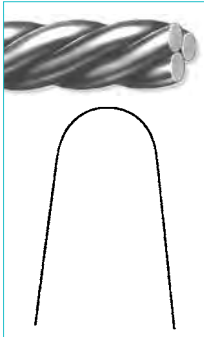
- 7 strand twisted 5" (12.7 cm)

Inch	Size (mm)	Order Number	Package Contains
.027	(0.686)	E00530	10

TRI-FLEX Twisted Wire

Tri-Flex (3 strands) is spring-tempered, twisted leveling wire for early treatment stages. It bends readily and can accept great deflection before its limit is reached. It provides gentle force and will not unravel or fray when cut.

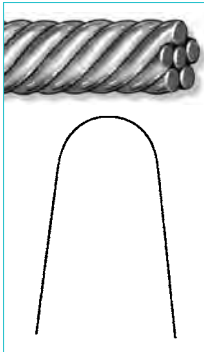
Inch	Size (mm)	Order Number	Package Contains
ROUND (14" (35.56cm) STRAIGHT LENGTHS)			
.0155	(0.394)	E00175	10
.0175	(0.445)	E00176	10
.0195	(0.495)	E00177	10
.0215	(0.546)	E00178	10
ROUND (PREFORMED ARCHES)			
.0155	(0.381)	E00170	10
.0175	(0.445)	E00171	10



SUPRA-FLEX™ Twisted Wire

Supra-Flex (6 strands) is cable-designed, initial stage arch wire with five exterior wires helically-wound around a core wire. It can be flexed to a great degree without taking a set. It delivers constant uniform light force over a long period of time and does not fray when cut.

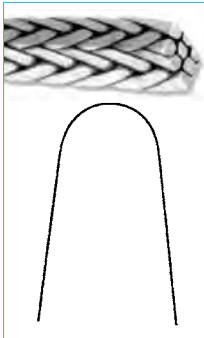
Inch	Size (mm)	Order Number	Package Contains
ROUND (14" (35.56cm) STRAIGHT LENGTHS)			
.0155	(0.394)	E00179	10
.0175	(0.445)	E00180	10
.0195	(0.495)	E00181	10
.0215	(0.546)	E00182	10
ROUND (PREFORMED ARCHES)			
.0155	(0.394)	E00183	10
.0175	(0.445)	E00184	10
ROUND 30' (9.14m) SPOOLS			
.0155	(0.394)	E00187	1
.0175	(0.445)	E00188	1
.0195	(0.495)	E00189	1
.0215	(0.546)	E00190	1

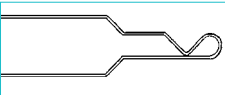


FLEX-VIII™ Braided Wire

Flex-VIII (8 strands) is a braided wire for unscrambling and leveling.

Inch	Size (mm)	Order Number	Package Contains
SQUARE (PREFORMED ARCHES)			
.016 x .016	(0.406 x 0.406)	E01400	10
RECTANGULAR (PREFORMED ARCHES)			
.016 x .022	(0.406 x 0.559)	E01401	10
.017 x .025	(0.432 x 0.635)	E01403	10
.018 x .025	(0.457 x 0.635)	E01404	10
.019 x .025	(0.483 x 0.635)	E01405	10





Preformed Auxiliary Ligature Tie Hooks (Kobayashi type)

- Stainless steel
- Quickly and easily tied in place without removing arch wire
- Spot welded to form hook
- Slipped under tie wing and tied
- Hooks adapt to up/down usage

Inch	Size (mm)	Order Number	Package Contains
.012"	(0.305)	A01202	100
.014"	(0.356)	A01203	100



Preformed Ligature Wire

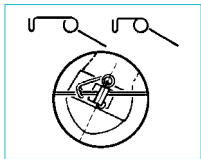
- Stainless steel – dead soft
- Precise convenient shape for quick use

Inch	Size (mm)	Order Number	Package Contains
.008"	(0.203)	E00700	1,000
.009"	(0.229)	E00701	1,000
.010"	(0.254)	E00702	1,000
.011"	(0.279)	E00703	1,000
.012"	(0.305)	E00704	1,000



Ligature Wire, TRU-CHROME® Stainless Steel – Dead soft

Inch	Size (mm)	Order Number	Package Contains	Inch	Size (mm)	Order Number	Package Contains
1 OZ. (28.4g) SPOOL				1 LB. (.454kg) SPOOL			
.007"	(0.178)	E00120	1				
.008"	(0.203)	E00121	1				
.009"	(0.229)	E00122	1	.009"	(0.229)	E00133	1
.010"	(0.254)	E00123	1	.010"	(0.254)	E00134	1
.011"	(0.279)	E00124	1	.011"	(0.279)	E00135	1
.012"	(0.305)	E00125	1	.012"	(0.305)	E00136	1
.014"	(0.356)	E00126	1				
.015"	(0.381)	E00127	1				
.016"	(0.406)	E00128	1				
.018"	(0.457)	E00129	1				
.020"	(0.508)	E00130	1				



Paralleling Spring (von der Heydt)

- Stainless steel, high resiliency, light wire technique gives maximum control of root paralleling from anteriors to bicuspid

Inch	Size (mm)	Position	Short Arm Length	Package Contains
.014	(0.355)	UR/LL	$\frac{3}{5}$ $\frac{1}{3}$	A00854 10
.014	(0.355)	UL/LR	$\frac{5}{3}$ $\frac{1}{5}$	A00855 10

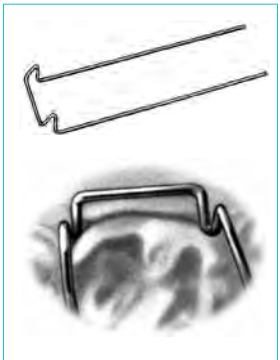
Ball Retainer Clasp, TRU-CHROME® Stainless Steel



Stem Diameter	Ball Diameter	Order Number	Package Contains
.024" (0.610mm)	.044" (1.12mm)	A00290	10
.032" (0.813mm)	.058" (1.47mm)	A00291	10
.040" (1.016mm)	.074" (1.905mm)	A00296	10

Adams Clasp, TRU-CHROME® Stainless Steel

- Preformed modified arrow clasp form
- May be used as is or adapted to contact tooth surface according to Adams' technique
- Manufactured loop set at 20° angle for better interproximal slippage
- Clasps are measured midline of loop to midline of loop

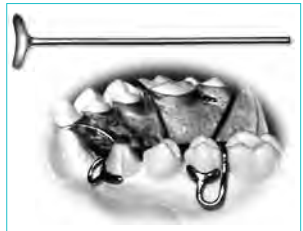


Mesial Distal	Order Number	Package Contains
(6mm)	A00250	10
(7mm)	A00251	10
(8mm)	A00252	10
(9mm)	A00253	10
(10mm)	A00254	10
(11mm)	A00256	10

"J" Clasp – Stainless Steel

- Provides retention below the marginal crest of the tooth

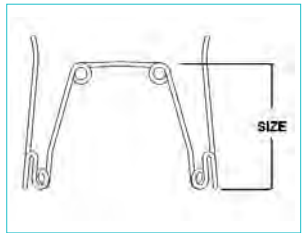
Size	Order Number	Package Contains
.032" (0.813mm)	G00042	10
.040" (1.016mm)	G00050	10
.047" (1.194mm)	G00055	10



RM Quad Helix (Removable)

- Continuous controlled force application
- .036 (0.914mm) TRU-CHROME Stainless steel

Size	Order Number	Package Contains
1- 21 mm	A01230	3
2- 23 mm	A01231	3
3- 24 mm	A01232	3
4- 26 mm	A01233	3
Assortment, one of each size	K00722	4



Fracture Splint

Reinforced wire splint

Order Number	Package Contains
G00017	2



Elgiloy® wire is a premium, specially-fabricated wire in four tempers. Each Elgiloy wire type has separate characteristics. Wire forms made from Elgiloy can be heat-treated, depending on the desired application. It's toughness and flexibility are easily discernible with use.

Elgiloy wire is superior, as furnished, for forming, and in performance time during treatment. All tempers have the unique capability of beginning as a “softer” easily handled wire. Because Elgiloy wire can be used as is or heat-treated, it provides flexibility and control in force applications.

Elgiloy® Development

RMO® was selected to develop Elgiloy for orthodontics because of its leadership in developing new materials for the profession. This “wonder metal”, developed by the Elgin National Company as the “Heart That Never Breaks” in modern precision time pieces, is not a stainless steel. It is a patented cobalt-base alloy compounded of eight materials (cobalt 40%; chromium 20%; nickel 15%; molybdenum 7%; manganese 2%; beryllium .04%; carbon .15%; and iron 15.81%).

Elgiloy® Offers Orthodontists Particular Advantages

- Superior physical properties
- Longer functioning as a resilient spring wire without distortion or fatigue
- Easy soldering without annealing
- Easy heat-treating to increase physical properties
- Simple electrolyte polishing

Maximum properties are not necessarily best for all orthodontic purposes. Full spring qualities are excellent for small diameter arch wires and coil springs, but larger wires of full spring temper are impossible to handle. It follows that the best qualities for a particular alloy form vary according to the work to be done to the material and the final usage. Recognizing this, RMO® developed a series of different types of Elgiloy wires—each fabricated for specific applications and each identified by a color marking on the end. With a wide range of carefully engineered wire types, orthodontists can take full advantage of Elgiloy’s superiority and versatility, whatever their techniques.

Elgiloy® Wire Properties

- **Set resistance** – Retains power longer than stainless steel
- **Fatigue resistance** – More cycles than stainless steel without breakage
- **Greater spring efficiency** – Up to 20% more power than spring steel without an increase in dimensions
- **Corrosion resistance** – Outperforms chrome stainless steel by 17%
- **Non-magnetic** – Non-magnetic through all temperature ranges

How to Use Elgiloy®

- **Blue – Blue Elgiloy** is initially the softest of the tempers. It can be welded with low heat, and soldered without embrittling. Blue Elgiloy is recommended when the wire to be used is over .020” (0.508mm) or when the wire requires considerable bending, welding or soldering. Excellent for edgewise arches, lingual arches, retainers and removables.
- **Yellow – Yellow Elgiloy** is initially ductile and slightly harder than Blue Elgiloy. Using caution, you can spot-weld and solder to large Yellow Elgiloy wires, .021” x .025”; .030”; .036” (0.533mm x 0.635mm; 0.762mm; 0.914mm), without embrittling them. Some practitioners use Yellow as furnished, but it can be heat-treated if greater resiliency or spring performance is required. After heat-treating, Yellow Elgiloy can be adjusted slightly, but should not sharply. It is excellent for flat wire techniques. Yellow Elgiloy is recommended where greater spring qualities are needed than those provided by Blue Elgiloy.
- **Green – Green Elgiloy** is initially semi-resilient and will temper comparable to high spring-tempered steel wires. It can be shaped easily with the fingers and can be plier-manipulated before heat-treating.
- **Red – Red Elgiloy** is initially “hard” with exceptionally high spring qualities. It is not recommended for heat-treating. Use where adjustments will not be required after heat-treating.

Penta-Morphic® Arches (Ricketts®)

- Developed by Dr. Robert Ricketts
- Finishing arches for post-treatment provide long-term stability
- Five arch forms: normal, tapered, ovoid, narrow tapered and narrow ovoid
- Tooth size, facial type and other morphological considerations have been built into the five forms
- Distal length for individualized bends or continuation to second molar
- Permanent midline etchmark on universal maxillary/mandibular
- Yellow Elgiloy Penta-Morphic arches are heat-treated to maintain form and resiliency

	RECTANGULAR .016" x .022" (0.406mm x 0.559mm)	RECTANGULAR .017" x .025" (0.432mm x 0.635mm)	RECTANGULAR .018" x .025" (0.457mm x 0.635mm)	RECTANGULAR .019" x .025" (0.483mm x 0.635mm)	SQUARE .016" x .016" (0.406mm x 0.406mm)	SQUARE .017" x .017" (0.432mm X 0.432mm)	Package Contains
Normal	E00551	E01025	E01030	E01040	E01020	E01070	10
Tapered	E00552	E01026	E01031	E01041	E01021	E01071	10
Ovoid	E00553	E01027	E01032	E01042	E01022		
Narrow Tapered	E00554	E01028	E01033	E01043	E01023		
Narrow Ovoid	E00555	E01029	E01034	E01044	E01024		

Penta-Morphic® Arch Selector

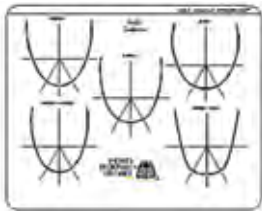
8" x 10" Vinylite

Order
Number

i00509

Package
Contains

1



Elgiloy® Preformed Natural Arches

- Maxillary and mandibular arches are distinguished by permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch
- Elgiloy arches are delivered unheat-treated, allowing complex bends and loops to be easily made. After bending, Elgiloy arches can be heat-treated to increase their springiness

Size		Blue Elgiloy® (unheat-treated)		Green Elgiloy® (unheat-treated)		Package Contains
Inch	(mm)	Max.	Min.	Max.	Min.	
ROUND						
.016	(.406)			A07502	A07522	100
.018	(.457)			A07503	A07523	100
SQUARE						
.016 x .016	(0.406 x 0.406)	A07505	A07525			10
.019 x .019	(0.483 x 0.483)	A07506	A07526			10
RECTANGULAR						
.016 x .022	(0.406 x 0.559)	A07507	A07527			10
.017 x .025	(0.432 x 0.635)	A07508	A07528			10
.018 x .025	(0.457 x 0.635)	A07509	A07529			10

Elgiloy® Preformed Ideal Arches

- Maxillary and mandibular arches are distinguished by permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch
- Elgiloy arches are delivered unheat-treated, allowing complex bends and loops to be easily made. After bending, Elgiloy arches can be heat-treated to increase their springiness

Inch	Size	Blue Elgiloy® (unheat-treated)		Green Elgiloy® (unheat-treated)		Package Contains
	(mm)	Max.	Min.	Max.	Min.	
ROUND						
.016	(.406)			A07552	A07572	100
.018	(.457)			A07553	A07573	100
SQUARE						
.016 x .016	(0.406 x 0.406)	A07555	A07575			10
.019 x .019	(0.483 x 0.483)	A07556	A07576			10
RECTANGULAR						
.016 x .022	(0.406 x 0.559)	A07557	A07577			10
.017 x .025	(0.432 x 0.635)	A07558	A07578			10
.018 x .025	(0.457 x 0.635)		A07579			10

Elgiloy® Arch Blanks

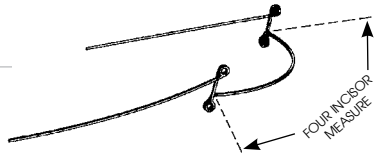
- Maxillary and mandibular arches are distinguished by permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch
- Elgiloy arch blanks are packaged in their unheat-treated state making complex bends and loops easier. After bending Elgiloy, arches can be heat-treated to increase their springiness
- Blue Elgiloy arches can be welded with low heat and soldered without embrittling
- Yellow Elgiloy arches are slightly harder than blue. Using caution, they can be spot welded and soldered without embrittling

Inch	Size (mm)	Blue Elgiloy® (unheat-treated)		Yellow Elgiloy® (unheat-treated)		Green Elgiloy® (unheat-treated)		Package Contains
		Max.	Min.	Max.	Min.	Max.	Min.	
ROUND								
.016	(0.406)					A00861	A00866	100
SQUARE								
.016 x .016	(0.406 x 0.406)	A00917	A00922	A00907	A00912			10
RECTANGULAR								
.016 x .022	(0.406 x 0.559)	A00888	A00897	A00870	A00879			10
.017 x .025	(0.432 x 0.635)	A00890	A00899	A00872				10
.018 x .025	(0.457 x 0.635)	A00892	A00901					10
.019 x .026	(0.483 x 0.660)	A00893	A00902					10

Maxillary Anterior Torquing Retractor (Bench®)

- Blue Elgiloy® .016" x .016" (0.406mm x 0.406mm), unheat-treated

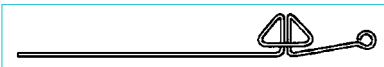
Size	Incisor Measurement (mm)	Order Number	Package Contains
0	(30.0mm)	E00148	5
.5	(32.0mm)	E00149	5
1	(35.0mm)	E00150	5
2	(40.0mm)	E00151	5
3	(45.0mm)	E00152	5



Bioprogressive® Auxiliaries (Ricketts®)

- Blue Elgiloy® .016" x .016" (0.406mm x 0.406mm), unheat-treated

	Position	Order Number	Package Contains
Double Delta Sectionals • Cuspid Retractor for closing small spaces			
	Mandibular Left	E00815	3
	Mandibular Right	E00816	3
	Maxillary Left	E00817	3
	Maxillary Right	E00818	3



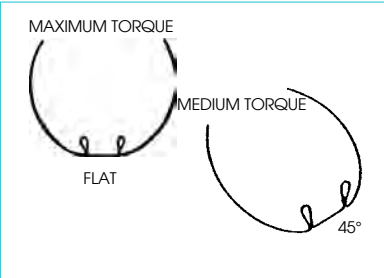
Anterior Torquing Spring (Warren)

- Applies continuous torquing action to individual anterior teeth
- Spring slips on arch wire straddling the bracket on the anterior tooth to be moved
- Placement of the arch wire in the bracket activates the spring, providing single contact with the tooth surface
- Each size is designed for a specific wire dimension and will not grip other dimensional wire sizes or round wire
- Green Elgiloy heat-treated

Inch	Spring Size (mm)	For Arch Wire Size		Order Number	Package Contains
		Inch	(mm)		
.010	(0.254)	.010 x .028	(0.254 x 0.711)	A00465	10
.011	(0.279)	.016 x .022	(0.406 x 0.559)	A00466	10
.011	(0.279)	.018 x .025	(0.457 x 0.635)	A00474	10
.011	(0.279)	.019 x .026	(0.483 x 0.660)	A00467	10



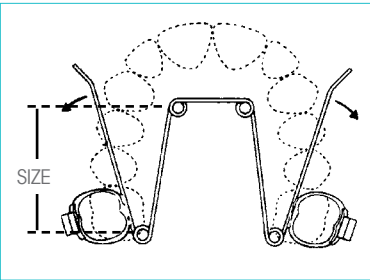
Light Wire Torquing Arch (Von Der Heydt)



- Inserted in the central light wire brackets and secures with pins
- Activated by tying distal ends to the arch wire with ligating wire
- Heat-treated Red Elgiloy .014" (0.356 mm)
- Do not make bends in wire

	Order Number	Package Contains
For maximum torque	F00133	4
45° for medium torque	F00134	4

Maxillary Quad Helix (Ricketts®)

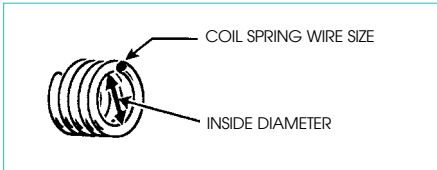


- Continuous controlled force application, solder to bands
- For rotation or stabilization of molars, to expand, or contract the arch
- Blue Elgiloy unheat-treated .038" (0.965mm)

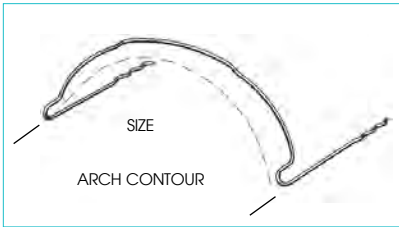
Size	Order Number	Package Contains
1 – 14mm	A00510	3
2 – 18mm	A00511	3
3 – 24mm	A00512	3
4 – 28mm	A00513	3
5 – 37mm	A00514	3
Assortment, one of each size	K00690	5

Coil Springs – Unheat-treated

- Super resilient
- Extremely durable
- Precision wound
- Red Elgiloy

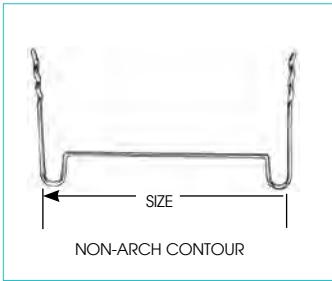


Coil Spring Wire Size		Inside Diameter Accepts Arch Wire Size (mm)	Open Coil Spring	Closed Coil Spring	Package Contains
.007"	x	.028" (0.178 x 0.711)	F00096		2' (60cm)
.007"	x	.030" (0.178 x 0.762)	F00098		2' (60cm)
.008"	x	.022" (0.203 x 0.559)	F00022		2' (60cm)
.008"	x	.025" (0.203 x 0.635)	F00024		2' (60cm)
.008"	x	.028" (0.203 x 0.711)	F00026		2' (60cm)
.008"	x	.030" (0.203 x 0.762)	F00028	F00029	2' (60cm)
.008"	x	.032" (0.203 x 0.813)	F00030		2' (60cm)
.008"	x	.036" (0.203 x 0.914)	F00032	F00033	2' (60cm)
.009"	x	.028" (0.229 x 0.711)	F00042		2' (60cm)
.009"	x	.030" (0.229 x 0.762)	F00044	F00045	2' (60cm)
.009"	x	.032" (0.229 x 0.813)	F00046	F00047	2' (60cm)
.009"	x	.036" (0.229 x 0.914)	F00048		2' (60cm)
.009"	x	.040" (0.229 x 1.016)	F00050		2' (60cm)
.010"	x	.028" (0.254 x 0.711)	F00058		2' (60cm)
.010"	x	.030" (0.254 x 0.762)	F00060	F00061	2' (60cm)
.010"	x	.032" (0.254 x 0.813)	F00062		2' (60cm)
.010"	x	.036" (0.254 x 0.914)	F00064	F00065	2' (60cm)
.010"	x	.040" (0.254 x 1.016)	F00066		2' (60cm)
.010"	x	.045" (0.254 x 1.143)	F00080		2' (60cm)



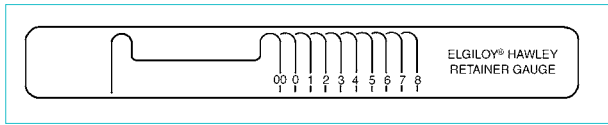
Hawley Labial Retainer Forms – Unheat-treated

- Blue Elgiloy .030” (0.762mm) is easily contoured
- Can be used as is or heat-treated to greater resiliency
- “Serrated” end sections provide stability in acrylic



Size	Width	Arch Contour (with anterior offset)	Nonarch Contour (for custom fitting)	Package Contains
00	1 3/8” (34.92mm)	E00600	A00238	5
0	1 1/2” (38.10mm)	E00601	A00239	5
1	1 5/8” (41.28mm)	E00602	A00240	5
2	1 3/4” (44.45mm)	E00603	A00241	5
3	1 7/8” (47.62mm)	E00604	A00242	5
4	2” (50.80mm)	E00605	A00243	5
5	2 1/8” (53.98mm)	E00606	A00244	5
6	2 1/4” (57.15mm)	E00607	A00245	5
7	2 3/8” (60.32mm)	E00608	A00273	5
8	2 1/2” (63.50mm)	E00609	A00274	5

Hawley Arch Selector



Order Number	Package Contains
i00513	1

Elgiloy® Wire ● Round, 14” (35.56cm) Lengths

Inch	Size (mm)	Red (Resilient)	Green (Semi-resilient)	Yellow (Ductile)	Blue (Soft)	Package Contains
.009	(0.229)	E00209	E00273			30
.010	(0.254)	E00210				30
.011	(0.279)	E00211				30
.014	(0.356)	E00214				30
.016	(0.406)	E00216	E00278	E00201 E00202 E00284 E00285 E00205 E00206 E00207 E00276 E00208	E00282 E00283 E00220 E00222 E00225 E00228 E00230 E00232 E00236	30
.018	(0.457)	E00218	E00281			20
.020	(0.508)		E00203			20
.022	(0.559)		E00204			20
.025	(0.635)					10
.028	(0.711)					10
.030	(0.762)					10
.032	(0.813)					10
.036	(0.914)					10
.038	(0.965)					10
.040	(1.016)				E00237	6
.045	(1.143)				E00238	6
.060	(1.524)				E00226	5

Elgiloy® Wire ■ Square (Square cornered), 14” (35.56cm) Lengths

.016 x .016	(0.406 x 0.406)	E00300	E00304	10
.017 x .017	(0.432 x 0.432)	E00301	E00305	10
.019 x .019	(0.483 x 0.483)	E00289	E00242	10

Elgiloy® Wire ■ Rectangular (Square cornered), 14” (35.56cm) Lengths

.016 x .018	(0.406 x 0.457)	E00258		10
.016 x .020	(0.406 x 0.508)	E00296		10
.016 x .022	(0.406 x 0.559)	E00302	E00306	10
.017 x .022	(0.432 x 0.559)	E00303	E00307	10
.017 x .025	(0.432 x 0.635)	E00308	E00345	10
.018 x .022	(0.457 x 0.559)	E00286	E00239	10
.018 x .025	(0.457 x 0.635)	E00293	E00245	10
.019 x .025	(0.483 x 0.635)	E00259		10
.019 x .026	(0.483 x 0.660)	E00292	E00294	10
.021 x .025	(0.533 x 0.635)	E00287	E00240	10
.0215 x .028	(0.546 x 0.711)	E00288	E00241	10

Elgiloy® Wire ■ Flat Ribbon Arch, 14” (35.56cm) Lengths

.010 x .020	(0.254 x 0.508)	E00260		10
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Elgiloy® Wire ● Round Retainer Clasp, 14” (35.56cm) Lengths

.030	(0.762)	E00230	10
.032	(0.813)	E00232	10
.036	(0.914)	E00236	10
.038	(0.965)	E00221	10
.040	(1.016)	E00237	6
.045	(1.143)	E00238	6
.060	(1.524)	E00226	5

Recommended when the wire to be used is .030 or larger and when considerable bending or soldering is required.



Alignment: Thermal Nickel-Titanium Arch

- Preformed natural arch shape
- Thermal wire with excellent shape memory generates light, constant and prolonged forces
- Use as an initial arch wire for unscrambling and alignment is easier to ligate in severely misaligned cases
- Pliable at room temperature and superelastic at body temperature
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
ROUND				
.013	(0.330)	E02000	E02001	10
.015	(0.381)	E02002	E02003	10
.017	(0.432)	E02004	E02005	10
RECTANGULAR				
.016 x .022	(0.406 x 0.559)	E02010	E02011	10
.017 x .025	(0.432 x 0.635)	E02012	E02013	10
.019 x .025	(0.483 x 0.635)	E02014		10

Alignment: Orthonol® Superelastic Nickel-Titanium Arch

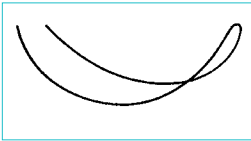
- Preformed natural arch shape
- Provides a continuous gentle force at a constant, uninterrupted force level for tooth movement
- A high force wire for alignment for patients with severe crowding
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
ROUND				
.013	(0.330)	E02060		10

Leveling: Curve of Spee Nickel-Titanium Arch

- Use to level excessive overbite or close anterior open bite
- Wire control through positioning of intermaxillary elastics: posterior for greater anterior intrusion and anterior for posterior intrusion
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
.016 x .022	(0.406 x .559)		E02021	10
.017 x .025	(0.432 x .635)	E02022	E02023	10



Space Closing: Stainless Steel Arch

- Preformed natural arch shape
- Used for its ability to combine rigidity to achieve and retain torque with an excellent surface for sliding
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
.016 x .022	(0.406 x .559)		E02031	10
.017 x .025	(0.432 x .635)	E02032	E02033	10
.019 x .025	(0.483 x .635)	E02034	E02035	10

Finishing: Braided Stainless Steel Arch

- Preformed natural arch shape
- Use when minor detailing is needed and torque can be maintained
- Braided stainless steel has eight strands of wire
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
.017 x .025	(0.432 x .635)	E02040	E02041	10
.019 x .025	(0.483 x .635)	E02042	E02043	10



Finishing: Beta III Titanium Arch

- No nickel content
- Preformed natural arch shape
- Use to ensure that the occlusion settles, to maintain torque, and to correct small final irregularities
- Titanium-Molybdenum-based alloy
- Permanent midline etchmarks: three lines for a maxillary arch, one line for a mandibular arch

Inch	Size (mm)	Maxillary	Mandibular	Package Contains
.017 x .025	(0.432 x .635)	E02050	E02051	10
.019 x .025	(0.483 x .635)	E02052	E02053	10

wire

STRAIGHT WIRE LOW FRICTION (SWLF®)
SYNERGY® INTRO KITS



SWLF® Synergy® Intro Kits

- Use to store SWLF® arch wires for alignment, leveling, space closing, and finishing
- Use to store bracket single-case packs
- Use to store additional arch wires and accessories

	Order Number	Package Contains
SWLF® .018 Synergy® System Kit	K00902	1
SWLF® .018 Synergy® System Kit with typodont	K00903	1

K00902 and K00903 kits each contain:

ALIGNMENT			
ALIGNMENT/LEVELING	Thermal NiTi .017 x .025 Maxillary Arch	E02012	1 package of 10
	Thermal NiTi .016 x .022 Mandibular Arch	E02011	1 package of 10
SPACE CLOSING	Stainless Steel .017 x .025 Maxillary Arch	E02032	1 package of 10
	Stainless Steel .016 x .022 Mandibular Arch	E02031	1 package of 10
FINISHING	BETA III Titanium .017 x .025 Maxillary Arch	E02050	1 package of 10
	BETA III Titanium .017 x .025 Mandibular Arch	E02051	1 package of 10
BRACKETS	Synergy® Brackets .018 Hook Cuspid/Bicuspid, 5-5	KM03802	10 cases

K00903 only – also contains: Typodont with brackets

SWLF® .022 Synergy® System Kit	K00922	1
SWLF® .022 Synergy® System Kit with typodont	K00923	1

K00922 and K00923 kits each contain:

ALIGNMENT	Thermal NiTi .015 RD Maxillary Arch	E02002	1 package of 10
	Thermal NiTi .015 RD Mandibular Arch	E02003	1 package of 10
ALIGNMENT/LEVELING	Thermal NiTi .019 x .025 Maxillary Arch	E02014	1 package of 10
	Thermal NiTi .017 x .025 Mandibular Arch	E02013	1 package of 10
SPACE CLOSING	Stainless Steel .019 x .025 Maxillary Arch	E02034	1 package of 10
	Stainless Steel .017 x .025 Mandibular Arch	E02033	1 package of 10
FINISHING	BETA III Titanium .019 x .025 Maxillary Arch	E02052	1 package of 10
	BETA III Titanium .019 x .025 Mandibular Arch	E02053	1 package of 10
BRACKETS	Synergy® Brackets .022 Hook Cuspid/Bicuspid, 5-5	KM03902	10 cases

K00923 only – also contains: typodont with brackets

wire

RM® LOCKS, CLIMPABLE HOOKS,
TWIN ARCH END SECTIONS, ARCH MARKERS

RM® Lock

- Stainless steel
- Allows placement in one piece
- For arch wire stop, tying auxiliaries, tiebacks and activating coil springs
- Offset screw assures proper locking action on all shapes of wire
- Available in two sizes

	Order Number	Package Contains
Small Lock – accepts wire .012” to 0.28” (.304mm to 0.711mm)		
Without hook	A00226	5
With hook	A00224	5
Large Lock – accepts wire .030” to .045” (0.762mm to 1.143mm)		
Without hook	A00227	5
Replacement Screw For either Small or Large Lock	A00228	5
Hex Wrench for RM® Lock Stainless steel with hard steel tip	i00034	1



Crimpable Hooks

- Designed to be crimped on to rectangular arch wire sizes (.016 x .022, .017 x .025, and .019 x .025)
- Use to convert an arch wire into a distalization wire or a closing arch loop

	Order Number	Package Contains
Crimpable Hook, MIM stainless steel	A00129	10
Long Crimpable Hook, MIM stainless steel	A00130	10



Crimpable Arch Wire Stop

O.D. Size Inch (mm)	I.D. Size Inch (mm)	Length	Order Number	Package Contains
.032 (.813)	0.195 (.495)	2mm	A00127	20
.042 (1.067)	0.315 (.800)	2mm	A00128	20



Twin Arch End Sections

- For making your own Twin Arches

Inch	O.D. Size (mm)	without hook	Order Number	with hook	Package Contains
.036	0.903	A00120		A00118	10
.040	1.016	A00121		A00119	10



wire

ARCH MARKERS, RETAINER CASES,
WIRE DISPENSER/STORAGE SYSTEMS



Disposable Arch Markers

- Arch marker indicates set-backs, loops, spring position

	Order Number	Package Contains
Arch Marker Disposable	J00095	100 markers
Arch Marker with Dispenser	J00096	1 dispenser, 100 markers



Arch Marking Crayons

- Wire marking crayon indicates set-back, loops, spring positions, etc.
- Water-soluble wax
- High visibility and super adhesion

Color	Order Number	Package Contains
White	J00097	10
Red	J00098	10



Retainer Cases

- Made of high impact polypropylene, prevents breakage
- Easy-open finger holds with durable hinge and positive-click closure
- Built-in keyhole to carry on key chain or backpack
- Ventilation holes that prevent odors
- Standard size holds upper or lower retainers or a positioner
- Lab size holds bionators or special lab appliances

Color	Order Number	Package Contains
Standard Size		
Tropical Pink	J01320	20
Melon	J01321	20
Berry Blue	J01322	20
Metallic Black	J01323	20
Lab Size		
Berry Blue	J01324	12



Arch Wire Dispenser System

- Dispenser unit designed to store both RMO® PurePak and standard arch wire packages for clear identification and simple storage solutions
- Dispenser can be placed on a flat surface or conveniently wall mounted for easy access.

Order Number	Package Contains
J00610	1 dispenser

RMO®'s products are made to inch specifications and are not perfectly interchangeable with products made to metric measurements. The attached tables may be used when product measurement conversions are needed. The figures have been rounded to useable form. It should be noted that when converting from measurements already expressed in millimeters (such as manufacturer's specifications) to inches, a discrepancy due to rounding may occur.

Common Fractions of an Inch and Decimals to Millimeter

Inches	Millimeters
1/64.0156	.396
1/32.0312	.793
1/16.0625	1.588
1/8 .1250	3.175
3/16.1875	4.763
1/4 .2500	6.350
5/16.3125	7.938
3/8 .3750	9.525
1/2 .5000	12.700
5/8 .6250	15.875
3/4 .7500	19.050
1 1.000	25.400

Conversion of weights avoirdupois

1 pound	= .4536 kilograms
	= 16 ounces
	= 7000 grains
1 ounce	= 28.36 grams
	= 437.5 grains
1 gram	= 15.432 grains
1 grain	= .0648 grams
TROY	
1 pound	= 12 ounces
	= 5760 grains
1 ounce	= 20 pennyweights
	= 480 grains
1 grain troy	= 1 grain avoirdupois

Temperature Fahrenheit to Centigrade

°F	°C	°F	°C	°F	°C
-40	-40	60	15.6	200	93.3
-30	-34.4	70	21.1	300	148.9
-20	-28.9	80	26.7	400	204.4
-10	-23.3	90	32.2	500	260
0	-17.8	100	37.8	600	316
10	-12.2	110	43.3	700	371
20	-6.7	120	48.9	800	427
30	-1.1	130	54.4	900	482
40	4.4	140	60	1000	538
50	10	150	65.6	2000	1093

INCH	MM	GAUGE	INCH	MM	GAUGE	INCH	MM	GAUGE	INCH	MM	GAUGE
.001	.025		.026	.66		.051	1.295	16	.076	1.93	
.002	.051		.027	.686		.052	1.321		.077	1.956	
.003	.076		.028	.711	21	.053	1.346		.078	1.981	
.004	.102		.029	.737		.054	1.372		.079	2.007	
.005	.127		.030	.762		.055	1.397		.080	2.032	
.006	.152		.031	.787		.056	1.422		.081	2.057	12
.007	.178	33	.032	.813	20	.057	1.448	15	.082	2.083	
.008	.203	32	.033	.838		.058	1.473		.083	2.108	
.009	.229	31	.034	.864		.059	1.499		.084	2.134	
.010	.254	30	.035	.889		.060	1.524		.085	2.159	
.011	.279	29	.036	.914	19	.061	1.549		.086	2.184	
.012	.305		.037	.94		.062	1.575		.087	2.210	
.013	.33	28	.038	.965		.063	1.60		.088	2.235	
.014	.356	27	.039	.991		.064	1.626	14	.089	2.261	
.015	.381		.040	1.016	18	.065	1.651		.090	2.286	
.016	.406	26	.041	1.041		.066	1.676		.091	2.311	11
.017	.432		.042	1.067		.067	1.702		.092	2.337	
.018	.457	25	.043	1.092		.068	1.727		.093	2.362	
.019	.483		.044	1.118		.069	1.753		.094	2.388	
.020	.508	24	.045	1.143	17	.070	1.778		.095	2.413	
.021	.533		.046	1.168		.071	1.803		.096	2.438	
.022	.559		.047	1.194		.072	1.829	13	.097	2.464	
.023	.584	23	.048	1.219		.073	1.854		.098	2.489	
.024	.61		.049	1.245		.074	1.880		.099	2.515	
.025	.635	22	.050	1.27		.075	1.905		.102	2.591	

INSTRUMENTS

table of contents

Schweickhardt Instruments
Apex Instruments



instruments

RMO® has 2 complete lines of orthodontic instruments.

Schweickhardt

- SUPERIOR QUALITY
- MAXIMIZES SATISFACTION

RMO®’s premium Schweickhardt instruments represent the finest quality available at any price. Each Schweickhardt instrument is precisely manufactured to our specifications in Germany with hardened inserts that can be sharpened or replaced, resulting in a more economical product over time than disposable instruments. All Schweickhardt instruments are crafted of 100% surgical stainless steel, are forged, finished by hand, and carry a superb warranty.

Apex

This is RMO®’s value line of instruments. Apex incorporates ergonomic design, durable construction, surgical stainless steel box-jointed forgings and precise tolerances. Hardened steel inserts improve performance and extend the cutting life.



What makes SCHWEICKHARDT instruments the better choice?

Superior quality maximizes satisfaction.

A premium quality instrument offers two unbeatable advantages for its user:

- Premium quality instruments make the daily work more satisfying. Since they allow for a more precise and ergonomic work process, they lead to better work results day to day over years and years.
- Premium quality instruments are the more economic choice:
1) Top quality instruments enable their users to achieve the same work result in less time or a better work result in the same time. 2) Premium quality instruments last longer and therefore minimize investments for replacement and repair.

A. Schweickhardt GmbH & Co. has been producing dental instruments for more than 100 years, which makes them one of the most experienced manufacturer in the world. They are one of the very few manufacturers producing its complete line from raw material to final instrument only in Germany. German craftsmanship, with its legacy of precision, produces the best quality in the world. We invest heavily to support craftsmanship with state-of-the-art, high-tech machinery. Our computerized high precision milling machines, for example, are accurate to 1/100mm.

Inserted Pliers

Especially for inserted pliers, fulfilling all of the above mentioned requirements demands great care and expertise.

Certain treatments of hard wires such as cutting and sharp bending of arch wires, specifically stress the working ends of orthodontic pliers. Therefore, these working ends need to be equipped with hard inserts to ensure perfect function and prevent them from being damaged by the wire.

RMO® Schweickhardt inserts are made from a special alloy and are applied to the plier with a highly sophisticated brazing technique.

The insert alloy combines hardness (around 62 HRC) with a high corrosion resistance. Therefore the pliers do not need to be chrome plated. Consequently, the pliers can be subject to ultrasonic cleaning and disinfection with appropriate liquids as well as autoclave sterilization. In addition, the pliers don't have the risk of chrome plate peeling off, which could potentially endanger the patient's health if it happens during use of the plier in the patient's mouth. It would also end the lifetime of the plier because if the chrome starts peeling off, the plier will corrode quickly.

Schweickhardt's insert brazing technique was especially developed for these pliers. The inserts are brazed to the plier with great care, which requires effort, but this effort pays off because the inserts always remain attached. No RMO® Schweickhardt plier ever loses its inserts during use, which is not always the case with other company's pliers. Having mastered the insert technique, three more requirements have to be fulfilled to produce a top quality plier.

The beaks and inserts are milled on high precision machines and additionally get final adjustment by expert craftsmen; because the best insert can only be as good as the exactness of its shape.

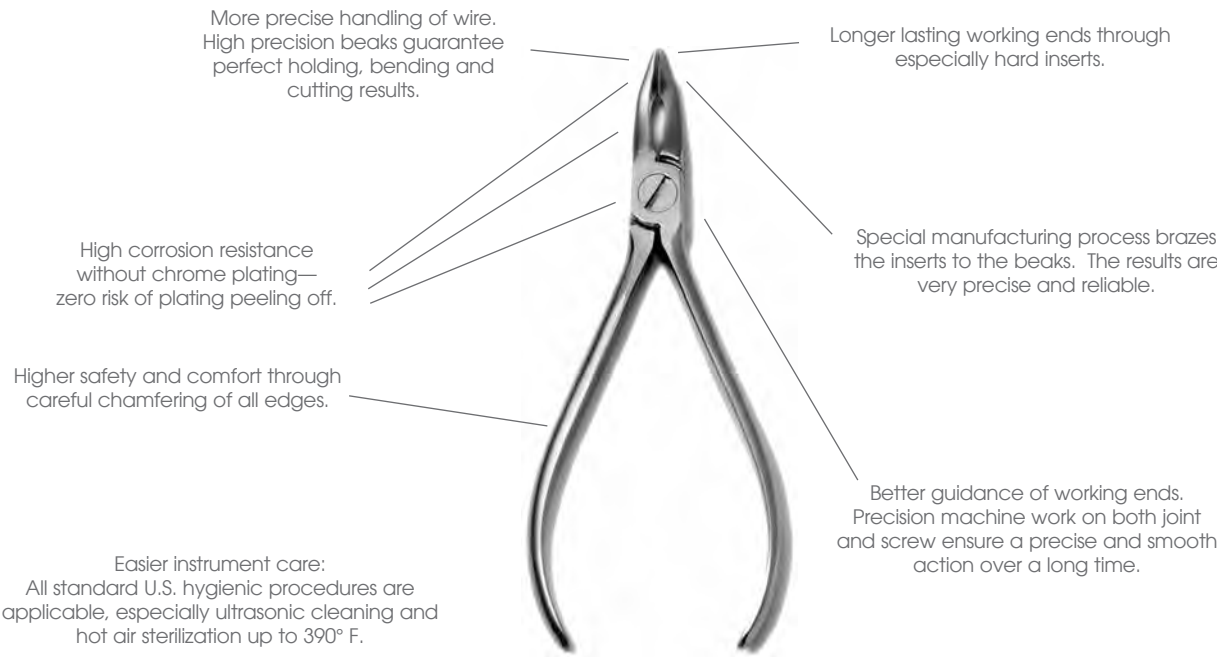
The joints are produced with great care to ensure a smooth and precise action over the whole working range. The precision of the joint determines the precision of the plier. If the joint is not tight enough, the plier will not function properly because the working ends will not close as precisely as they are supposed to. If the joint is too tight, opening and closing will cause difficulties which in turn makes exact work very difficult.

A box joint lock, the gold standard of joints in terms of long-term precision, is technically not possible for inserted pliers. But screw joints ensure a precise opening and closing procedure over a long time. The screw is fastened into the body with a special procedure so that it won't become loose even after years of usage.

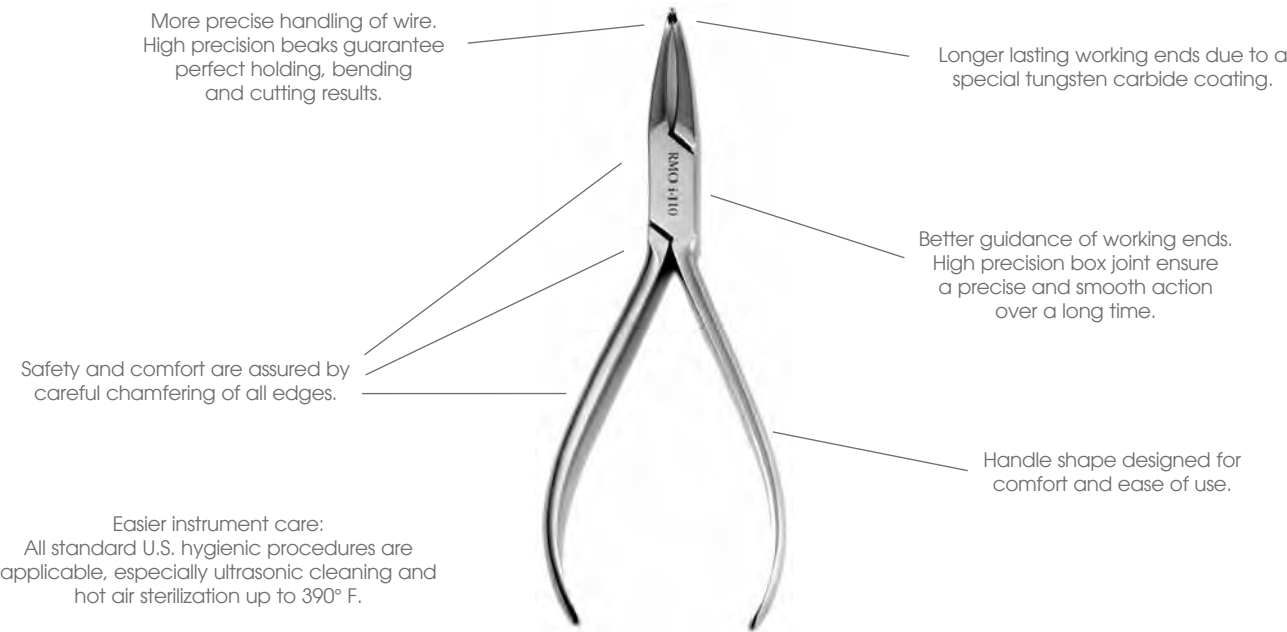
All edges of the pliers are carefully chamfered to increase safety of patient and doctor (no pinching or cutting of gums).

- A safer grip of the wire (so the wire won't slip off) is due to a tungsten carbide coating; these are the only pliers having this coating. The non-inserted pliers are produced with the same great care on beak form, joints and edge chamfering as our inserted pliers.

SCHWEICKHARDT inserted pliers

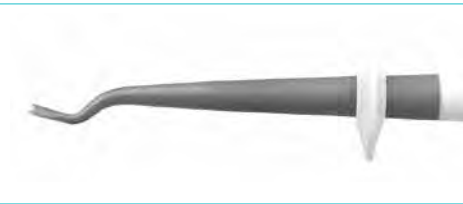


SCHWEICKHARDT non-inserted pliers



instruments

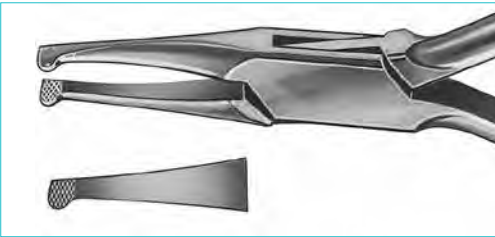
SCHWEICKHARDT BAND SEATING INSTRUMENTS

	Order Number	Package Contains
	Band Adapter (RMO®) • Durable plastic bite block and RMO® tempered stainless steel band seating pin • For bite or hand rocking bands • White plastic handle • Serrated pin • Replacement bite block (can be installed at chairside) • Cold sterilize	
	i00064	1
	Replacement bite block i00065	2
	Band Pusher • Serrated stainless steel tip, non-removable • Stainless steel handle – square with chamfered corners • Tip end has square serrations	
	i00300	1
	Band Seater (RMO®) • Spring actuated thrust insures proper band seating • Plastic handle with stainless steel barrel and tempered steel removable tip	
	with offset tip i00580	1
	replacement offset tip i00581	1
	with straight tip i00600	
	replacement straight tip i00601	1
	with narrow straight tip (Gaston) i00610	1
	replacement narrow straight tip i00611	1

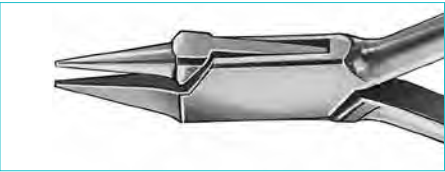
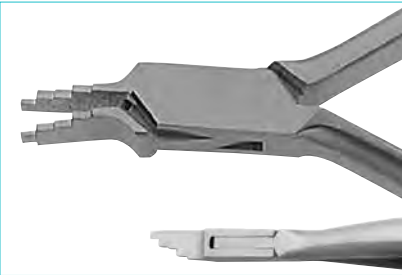
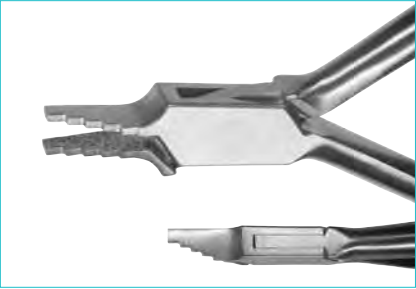
instruments

SCHWEICKHARDT BAND CONTOURING INSTRUMENTS

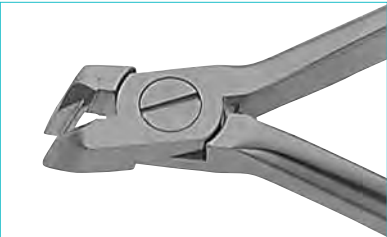
Order Number	Package Contains	
Contouring Plier (Johnson) • Concave and convex tips for contouring bands • Stainless steel		
i00114	1	
Contouring Plier (Gordon) • For bands and anterior stainless steel crowns • Stainless steel • Box joint		
i00137	1	

	Order Number	Package Contains
	How Plier Straight • Extra hard stainless steel • Good all around utility plier has long slender lip-safe beaks • Tips are serrated and hard carbide coated for additional grip • Lip-safe edges at box and beaks • Tips are precisely adjusted • Box joint	
	i00110	1
	How Plier Curved • Same as i00110 only with curved beaks • Curved beaks increase efficiency in posterior area • Box joint	
	i00111	1
	Utility Plier (Weingart Style) • Stainless steel • Tips are delicate and meet precisely so that even small attachments can be firmly held • General purpose utility plier with curved beaks • Inserted tempered tips for longer life • Serrated and lip safe • Tip width 8mm / Tip length 10mm • Up to .020" (.508mm) wire	
	i00556	1
	Utility Plier (Weingart Style - Mini) • Stainless steel • Tips are delicate and meet precisely so that even small attachments can be firmly held • General purpose utility plier with curved beaks • Tempered tips for longer life • Serrated and lip safe • Tip width 6mm	
	i00586	1

	Order Number	Package Contains
	Loop Plier (Tweed) • Extra hard stainless steel • Tips precision milled • Three step loop former .049" (1.25mm), .065" (1.65mm), .085" (2.15mm) • Grooved and serrated opposing tip for very small loops • For up to .022" x .028" (0.559mm x 0.711mm) wire • Non-removable tip • Box joint	
	i00350	1
	Loop Forming Plier (Optical Type) • Extra hard stainless steel • Cone and concave beaks for round wires • Concave beak is contoured to ensure more uniform loops • Round beak is precision ground to .047" at tip • For working round wires at tip up to .020" (0.508mm)	
	i00351	1
	Loop Plier (Tweed) • Includes one extra replacement tip • Hard tool steel inserts • Round beak is heat-treated. It has two sections of .047" (1.2mm), .059" (1.5mm) • Concave beak prevents wire nicking and ensures more uniform loops; for making Omega loops • Up to .020" (0.508mm) wire	
	i00548	1
Replacement tips	i00549	2
	Wire Bending Plier (Angle) Bird Beak Type • Extra hard steel • Tips meet very precisely • Cone and pyramid shaped tips • Carbide coated tips for better grip of wire and longer lifetime • Round beak is precision ground to .039" (1.0mm) at tip • Box joint • Bends wire up to .022" x .025" (0.559mm x 0.635mm) and round up to .028" (0.711mm)	
	i00139	1

	Order Number	Package Contains
	Light Wire Plier • Longer, more gradually tapered beaks than the Bird Beak plier • For working light round wires up to .020" (0.508mm) • Longer beaks make it easier to bend small diameter loops • Box joint	i00140 1
	Lingual Arch Forming Plier • Designed to form double back and triple back bends in either .030" (0.762mm) or .036" (0.914mm) wire for inserting in lingual sheaths • Double back groove is close to the plier joint to assure adequate forming • Recommended for use with 3D® FIXED/REMOVABLE™ (Wilson®) for palatal activation appliances	i00420 1
	Closing Loop Plier (Nance) • Extra hard stainless steel • Four step loop forming beaks precision milled • Radiused edges prevent wire damage • Box joint • Up to .028" (0.711mm) wire	i00001 1
	Closing Loop Plier (Standard) • Same use and same characteristics as the Nance i00001, but permits uniform vertical bendings • Permits the simultaneous forming of two right angled bends • Box joint • Up to .028" (0.711mm) wire	i00101 1
	NiTi Crimping Plier • Forms a smooth bend or crimp without nicking Nickel Titanium wire • Used on .012 to .028 (.305mm to .711mm) wire	i00161 1

	Order Number	Package Contains
	Three Jaw Clasp Adjusting Plier (Aderer Type) • Tips for rounded or dimensional wire up to .040" (1.016mm) • Box joint • Exact shape and position of beaks will avoid squeezing and marking of wire • Made from extra hard stainless steel	
Up to .040" (01.016mm)	i00200	1
Up to .030" (0.762mm)	i00201	1
		
	Arch Forming Plier (Angle) • For bending, holding or torquing dimensional wires • Stainless steel with hard carbide coated tip surfaces • Box joint • Offering maximum resistance against wear by torquing • Up to .021" x .028" (0.534mm x 0.711mm)	i00442 1

	Order Number	Package Contains
	Distal End Cutter, Safety Hold	
	• Shear cuts hard wire and then safety holds the loose distal end to prevent wire from going into tissue • Hard tool steel insert • Cut wire up to .021 x .025 (0.534mm x 0.635mm) and .026 (.66mm) round • Designed for intraoral cutting and lip safety • Made from selected surgical stainless steel to provide lasting beauty and durability • Not recommended for braided wire	
	Regular beak i00550	1
	Small beak* i00554	1

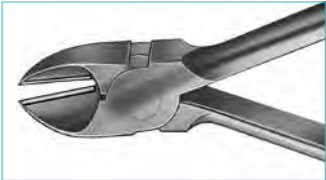
*Reaches the molar area easier, due to the small beak

	Flush Distal End Cutter with O-Ring	
	• Hardened insert • Elastomeric o-ring • Wire up to .022" x .028" (0.559mm x 0.711mm) and up to .026" (0.660mm) round • Due to the o-ring, the cutting edges do not have direct contact which ensures longer sharpness of the cutting edges	
	short i00567	1
	long i00568	1
	replacement o-ring i00569	10

	Distal End Cutter Flush V Design	
	• Assures arch wire is cut flush with the end of a tube • Safety hold is ideal for intraoral cutting and lip safety • Cuts Elgiloy, S.S. and Niti .016" (0.406mm) to .018" x .022" (0.457mm x 0.559mm) • Braided Wire .0175" (0.445mm) • Box Joint • Carbide insert	
	i00560	1

	Distal End Cutter Flush	
	• Assures arch wire is cut flush with the end of a tube • Safety hold is ideal for intraoral cutting and lip safety • Cuts Elgiloy, S.S. and Niti .014" (0.356mm) to .018" x .022" (0.457mm x 0.559mm) • Braided Wire .0175" (0.445mm) • Box Joint • 420SS insert • Should not be autoclaved	
	i00566	1

	Order Number	Package Contains
	Ligature and Hard Wire Cutter	
	• Stainless steel • Pliers are designed for cutting wires with minimum force • Cuts to maximum of .022" x .028" (0.559mm x 0.711mm) • Hard tool steel inserts	
	i00553	1

	Heavy Wire Cutter	
	• Hard tool steel insert • Cutting capacity up to .040" (1.016mm) in the rear area, .024" (0.610mm) in front • Hard tool steel inserts	
	i00265	1

	Ligature Cutter	
	• Stainless steel • Soft ligature wire only – up to .020" (0.508mm) • All edges of lock are lip safe for intraoral use • Fine tips for easy intraoral access • Pliers will cut wires up to the very tip • Hard tool steel inserts diamond honed	
	i00552	1

	Miniature Cutter	
	• Stainless steel • Soft ligature wire only – up to .012" (0.305mm) • Hard tool steel inserts diamond honed	
	i00551	1

instruments

SCHWEICKHARDT LIGATION PLIERS AND INSTRUMENTS

A close-up image of the Ligature Tying Plier (Coon), showing its long, thin, pointed tips and a ratchet lock handle.

Ligature Tying Plier (Coon)

- Semi-automatic
- Locking channel is chamfered and burr-free to allow wire to slide before locking without being cut
- Tips are thin allowing close contact to bracket
- Up to .012" (0.305mm) soft wire

Order Number: **i00153**

Package Contains: **1**

A close-up image of the Module Placing Plier, showing its long, thin, pointed tips and a ratchet lock handle.

Module Placing Plier

- For initial placing of force modules
- Ideal for placing ligatures and separators
- Easy access to difficult areas (posterior)
- Reduces module breakage
- Patient safe, easy spring-back action

Order Number: **i00810**

Package Contains: **1**

Ligature Tucker and Tier (Broussard™)

- Stainless steel
- One end twists steel ligature into a 'tie'
- The other 'tucks' twisted wire

Order Number: **i00274**

Package Contains: **1**



Ligature Tucker

- Straight notched tip at one end for anterior brackets
- Angled notched tip at other end for posterior brackets
- Slot in tips is chamfered to avoid breakage of ligature wires
- Tips are smoothed to avoid hurting tissue

Order Number: **i00273**

Package Contains: **1**



instruments

SCHWEICKHARDT LIGATION PLIERS AND INSTRUMENTS

Needle Holder Small Narrow Tip (Mathieu)

- Precision made ligating instrument tips – safe beaks
- Ratchet lock handle
- Tips are serrated and carbide coated for positive gripping of ligature wires and modules, and to reduce wear
- Hook tip style for easy placement of elastic modules and gripping
- 5.4" (13.7cm) long
- Ligature wire up to .016" (0.406mm)
- Box Joint

Order Number: **i00028**

Package Contains: **1**

A close-up image of the Needle Holder Small Narrow Tip (Mathieu), showing its long, thin, pointed tips and a ratchet lock handle.

Needle Holder Small (Mathieu)

- Precision made ligating instrument tips – safe beaks
- With ratchet lock handle
- Free sliding inner spring opens beaks when lock is released
- Tips are serrated and carbide coated for positive gripping of ligature wires and modules, and to reduce wear
- 5.25" (13cm) long
- Ligature wire up to .016" (0.406mm)
- Box Joint

Order Number: **i00030**

Package Contains: **1**

A close-up image of the Needle Holder Small (Mathieu), showing its long, thin, pointed tips and a ratchet lock handle.

Mosquito Hemostat

- 4.75" (12cm) long
- With locking handle
- Serrated tips for positive gripping

Order Number: **i00124**

Package Contains: **1**

A close-up image of the Mosquito Hemostat, showing its long, thin, pointed tips and a ratchet lock handle.



Posterior Band Removing Plier

- Long chisel tip with carbide insert
- Facilitates removal of posterior bands
- With replaceable occlusal nylon pads
- Stainless steel
- Will stay sharp
- Box joint

	Order Number	Package Contains
	i00347	1
Replacement Pads	i00357	10



Direct Bond Removing Plier

- Wedges between both edges of the base and the tooth surface and lifts off with virtually no stress
- Grips firmly for occlusal-gingival or mesial-distal use
- Hard tool steel insert

Narrow	i00545	1
Wide	i00546	1

Utility Scaling, Ligature Remover and Band Seating Instrument (Schure)

- Extra hard stainless steel
- Precision knurled handle
- Sharp scaling shape on one end and serrated band seating tip on the other
- Tips are heat-treated to maintain sharp edge for extended use
- New narrower scaler tip

i00349 1



Band Pusher/Scaler (Guequierre)

- Extra hard stainless steel
- Dual scaling surface
- One end has sharp curved scaling head with serrated tip on the other

i00358 1



Cap Removal Plier

- This precision stainless steel instrument uses joint plier transfer to shear off convertible caps effortlessly with one fluid motion
- The slender rail design allows doctors to easily access the buccal region with little obstruction
- The blade tips feature a filleted design allowing for an easy, low-force cap removal
- Can be used on any convertible buccal tubes as well as convertible brackets
- Each packaged instrument will include two replacement blades

Cap removal Plier, 2 Replacement Blades	i01200	1
Replacement Blades	i01201	5 each



Cap Removal Instrument (RMO®)

- To remove caps from convertible tubes
- Replaceable blade provides leverage when removing cap
- Tip of blade fits securely in arch slot of tube
- With 10 blades
- Stainless steel handle and blade

	i00557	1
Replacement blades	i00559	5



Modular Omega Plier (RMO®)

- For adjusting the expansion or contraction of the Omega loop on the Bimetric Distalizing Arch (Wilson)
- Hook on round end to hold Omega loop

	i00548 W	1
Replacement tips	i00549 W	2



Crimpable Hook Plier

- For attaching crimpable hooks securely to arch wires with minimum pressure
- Stainless steel

i00129 1



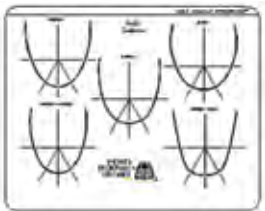
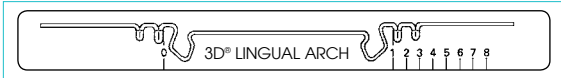
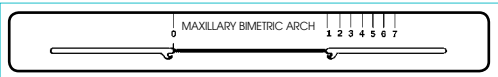
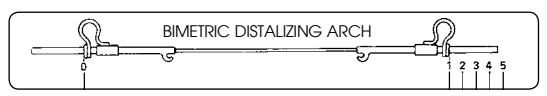
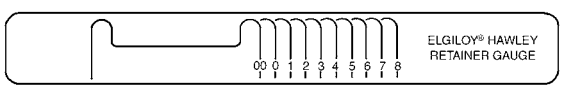
Direct Bonding Tweezer, Self-Locking w/Thin Tips

- Self-locking action
- Ideal for posterior bracket placement
- Thin tips fit between bracket wings and base
- Recommended for use with the RMO® Bondable Lingual Retainer

i01102 1



	Order Number	Package Contains
	FLI SL Instrument - Tactically designed specifically for activating FLI SL's unique rotating clip - Tip only engages one way in the mouth, minimizing guess work and chair time - Seats large rectangular wires into the slot to minimize obstruction during open-close: .017" x .025", .018" x .025", .019" x .025"	i00040 1
	Hex Wrench - Stainless steel with hard steel tip - For use with RM® Lock and Liberty Bielle®	i00034 1
	Fitzgerald X-Ray Holding Unit Rubber Bite Block Large Small	i00364 2 i00365 2
	Golden Divider (Ricketts®) - Describes harmonious relations in the face, hand, tissue and dentition - Stainless steel, can be sterilized (Instructions by request)	i00394 1
	Ortho/Trace - Cephalometric Tracing Acetate - Smooth matte transparent surface - .003" (0.076mm) - Gives sharp lines when tracing study radiographs - Dimensionally stable, remains flat - Rounded corners match standard 8" x 10" (20.32 x 25.4cm) rounded corner radiographs	J00086 100 sheet

	Order Number	Package Contains
	Instrument Rack	i00042 1
	Cephalometric Tracing Template The Rickett's Tracing Template has been designed to provide the most anatomically correct presentation of typical teeth. Features include: prediction table, frontal and lateral views of most teeth, pterygoid and condylar tracing shapes, metric scales, protractor and relationship guides. Fits approximately 80% of the teeth without compensation, yet can also adjust to fit individual teeth.	i00512 1 pkg
	Penta-Morphic® Arch Selector 8" x 10" Vinylite	i00509 1
	3D® Lingual Arch Selector	i00505 1
	3D® Bimetric Arch Selector	i00506 1
	3D® Maxillary Bimetric Distalizing Arch Selector	i00507 1
	Distalizing Arch Selector	G00360 1
	Hawley Arch Selector	i00513 1
	RMO®'s Instrument Lubricant - Technical grade white oil that can be applied after drying and prior to sterilization - Improves the life of the instrument - Provides a fast and economical solution for preventing rust and protecting cutting edges - Regular treatment reduces the chance or potential of oxidation	J00201 1

instruments

Warranty

SCHWEICKHARDT/RMO® instruments

SCHWEICKHARDT/RMO® instruments are 100% German-made by expert craftsmen using selected high-grade materials. These high-quality, precision instruments ensure routine orthodontic procedures are more efficient. An investment in quality Schweickhardt instruments will provide many years of reliable service.

Warranty

- All SCHWEICKHARDT/RMO instruments are fully guaranteed against corrosion and separation of inserts for five years from the purchase date.
- All SCHWEICKHARDT/RMO instruments are fully guaranteed for the life of the instrument to be free of defects in materials and workmanship.
- All SCHWEICKHARDT/RMO instruments, if misused, abused or failure to properly maintain or care for the instruments will void all warranty claims.

Return

- All RMO® instruments, which are unopened and in the original package, may be returned for full credit of the purchase price within 90 days of invoice.
- All RMO instruments, if defective, not misused, or tampered with in any manner, are returnable to RMO for repair, replacement or refund at RMO®'s option.

Repair

For SCHWEICKHARDT/RMO instruments outside the warranty, call RMO customer service or your sales representative for recommendation for repair.

RMO customer service number is 1-800-525-6375.

Recommendation for Care and Maintenance of Schweickhardt/RMO® Instruments

These instruments are designed to provide long and faithful service. To protect your investment and ensure reliable service, please follow these recommendations for maintenance and care.

New instruments should be brushed (using a non-metal brush) with soap and water, rinsed, dried and sterilized prior to first use.

Disinfecting and Cleaning

- Scrub, clean and disinfect immediately after being used to remove debris, cement, adhesives and blood, to avoid drying of contaminants on instruments.
- Chemical disinfection is the method of choice using an alkaline product (rust inhibitor). The solution must be prepared fresh daily, with the same concentration. Dip instrument into solution. Scrub the tips with a plastic brush. Do not soak the instrument for an extended period of time, and do not heat above room temperature.
- Ultrasonically clean 5-8 minutes. Use a high-quality, non-aggressive solution with rust inhibitors which have a neutral pH. Extended cleaning time with acidic chemicals will damage the instruments, especially chemicals designed to remove cements.

- Rinse the instruments with distilled or deionized water immediately after disinfecting and cleaning. Dry with a towel, forced warm air (portable 800 Watt hair dryer) or compressed air to avoid water staining.
- H₂O - Something as simple as water is one of the most important factors in the safe and effective cleaning and sterilization of your valuable instrument investment. Water in many municipal supplies can contain high levels of chlorine, chloramines, iron, and sulfur, plus other trace elements that can be damaging to your pliers. Tap water used to dilute cleaning solutions and for rinsing pliers prior to sterilization can cause severe damage. Chemicals in tap water can also neutralize rust inhibitors causing a corrosive effect on plier tips even when you are spending the time and money to use the right materials. We highly recommend that your office use distilled, R/O, or filtered water for mixing your cleaning solutions, combined with a no-rinse formula for cleaning solutions.
- If these steps are not followed, instruments may corrode or discolor during sterilization.

Sterilization

- Acceptable up to 185°C (395°F). Higher temperatures may cause discoloration of instrument.
- Do not heat sterilize instruments with plastic or rubber components, as it will tend to distort and discolor.
- Sterilize instruments in open position using the instructions for your unit.
- Make sure no moisture is sealed in the bag.

Dry Heat

- No chemical required.
- No corrosion problems when properly dried before process.

Because of the non-stainless characteristics of a vast majority of orthodontic plier tip materials, Rapid Dry Heat Sterilization, became the most widely used method of infection control in this dental specialty. Between rapid cycle turn-around and large load capacity, it was the logical choice for practitioners seeking to protect their substantial instrument investment. Even with advances in materials technology, Dry Heat remains as one of today's most sensible choices for safety and efficacy in the busy orthodontic practice.

- Clean in an ultrasonic unit for 10 minutes, with a no-rinse general purpose solution with an included rust inhibitor. Keep tips open during cleaning.
- Dry instruments with a compressed air blast, towel, or allow to drain for five minutes if using a no-rinse solution.
- Place pliers on rack or cassette and load sterilizer according to manufacturer's instructions. Loading method should allow plier tips to remain open during sterilize cycle.
- After sterilization cycle is complete, lubricate pliers with a silicon (non-petroleum) lubricant or RMO® Instrument Lubricant J00201. DO NOT use tap water during any sterilization process and always dry instruments whenever they are rinsed.

instruments

SCHWEICKHARDT INSTRUMENTS

Chemiclave (chemical vapor)

- Has low heat and very low water vapor content as well as a short cycle time.
- A special chemical solution must be used in a properly ventilated area.

Chemclave - (Unsaturated Chemical Vapor)

- Clean in an ultrasonic unit for 10 minutes with a no-rinse general purpose solution with an included rust inhibitor. Keep tips open during cleaning.
- Dry instruments with a compressed air blast, towel, or allow to drain for five minutes if using a no-rinse solution.
- Load pliers on tray placing layers of paper towels between instruments. Loading method should allow plier tips to remain open during sterilize cycle.
- Sterilize according to manufacturer's instructions.
- After sterilization cycle is complete, depressurize equipment and allow pliers to cool.
- Remove instruments and make sure they are dry prior to storage.
- Lubricate pliers with a silicon lubricant or RMO® Instrument Lubricant J00201. DO NOT use tap water during any sterilization process and always dry instruments whenever they are rinsed.

Autoclave (steam under pressure)

- Good penetration
- Possibility of rust and corrosion if instruments remain wet after processing

Because of the high levels of moisture in the autoclave process, this method can be damaging to ferrous plier tips and is not generally recommended unless instruments are 100% stainless steel or tungsten carbide inserted.

- Clean in an ultrasonic unit for 10 minutes with a no-rinse general purpose solution with an included rust inhibitor. Keep tips open during cleaning.
- Dry or drain instruments and dip in instrument milk.
- Load pliers on tray. Loading method should allow plier tips to remain open during sterilize cycle.
- Sterilize according to manufacturer's instructions.
- After sterilization cycle is complete, depressurize equipment and allow pliers to cool.
- Remove instruments and make sure they are dry prior to storage.
- Lubricate pliers with a silicon lubricant or RMO® Instrument Lubricant J00201. DO NOT use tap water during any sterilization process and always dry instruments whenever they are rinsed.

Cold sterilization (Glutaraldehyde)

- Must remain in solution a minimum of 10 hours.
- Useful for sterilization of heat sensitive instruments with plastic or rubber.

CDC and ADA guidelines federally mandate the use of heat sterilization for instruments used in dental care. Many professional offices use cold sterilization/ high level disinfectants for holding solutions and processing of heat sensitive items. If your office uses these types of products, here are some recommendations for avoiding damage to your pliers:

- Always ultrasonically clean prior to immersion in high level disinfectants and cold sterile solutions using the same guidelines as specified in heat sterilization methods.
- If using glutaraldehyde solutions, use only those that are non-acidic in composition and include a rust inhibitor.
- Avoid contact with quarternary ammonium compounds and iodophors.
- Keep plier tips open in liquid. Avoid immersion overnight in these chemical solutions.
- If solutions require dilution, do not use tap water. Use distilled, RO, or filtered water free from errant chemicals.
- Dry instruments immediately after rinsing.
- Lubricate frequently with a silicon-based lubricant or RMO® Instrument Lubricant J00201.

Maintenance

- Corroded instruments should be discarded.
- Corrosion can be transferred during sterilization. Joints, inserts and ratchets have to be treated with paraffin or lubricant. RMO® instrument Lubricant J00201.

Hints

- Apply a light coat of silicone spray or RMO® instrument Lubricant J00201 every week, or as needed depending on use.
- Do not dry-heat sterilize instruments with plastic handles.
- Ultrasonic cleaning may loosen inserts and dull sharp edges.
- All cutters should be sharpened every 6-9 months, or as necessary.
- Warranty does not cover routine maintainence, sharpening or reconditioning.

RMO®'s APEX Series™ Instruments

The high quality of RMO at an economical price

APEX Series™ instruments are manufactured using high-tech equipment and high-end processing to ensure our customers get the highest quality product at a very economical price. The APEX line of instruments is designed to last and maintain a high quality throughout their life.

APEX Series instruments use surgical grade 420 stainless steel forgings with high grade of tool steel inserts to provide you with one of the finest instrument lines.

Along with our standard high quality material, the Apex plier line delivers high quality pliers with the best corrosion resistance.

Apex Plier Line is today's answer to the decades old problem of delivering orthodontic instruments with adequate corrosion resistance.

The Apex Plier Line has a 420 series stainless steel box-jointed forgings. What makes the Apex Plier Line extraordinary is the highly corrosion-resistant steel inserts that not only withstand the rigors of cutting, bending and forming highly tensile orthodontic wires, but contain the highest level of chromium available in any tool steel.

Because of the chemical and basic elemental properties of this new compaction metal, combined with an advanced processing methodology, we have found a material with significant advantages over both tool steel and tungsten carbide. The Apex Plier Line is the solution to brittle, fractured carbide inserts, flaking chrome plating and all the other compromises previously necessary to make corrosion resistant instruments.



Apex – new technology metallurgy delivers inserted tip materials with extremely high chromium content.

How Plier – Straight

- 2.5mm tips
- Matching serrated pads assure a firm, positive grip
- Rounded tips for patient comfort and safety
- Box joint



Wire Range	Order Number	Package Contains
.012" - .028" (0.305mm - 0.711mm) Round	T00112	1
.022" x .028" (0.559mm x 0.711mm) Rectangular		

Weingart Plier

- Fully serrated cross-cut inserted tip at the most convenient working angle
- Features bowed jaws that won't pinch the patient's lip
- Box joint



Wire Range	Order Number	Package Contains
.012" - .028" (0.305mm - 0.711mm) Round	T00556	1
.022" x .028" (0.559mm x 0.711mm) Rectangular		

	Order Number	Package Contains
	Bird Beak Plier - Versatile plier for orthodontic heavy wire bending - Round and pyramid beaks are smooth to prevent wire scoring - Can also be used to form springs - Tip sizes are .035" round and square - Box joint	
.020" - .032" (0.508mm - 0.813mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00138	1
	Light Wire Plier - Extra long, narrow beaks for precise bends - Designed for working with small wires and forming wire springs - Tapered beaks make it easy to bend small diameter loops - Tip sizes are .030 round and square - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00141	1
	Cinch Back Plier - This plier is made with the optimum angle for working behind the buccal tube - Serrated tips are tapered to a fine point allowing access to hard-to-reach areas - Box joint	
.012" - .020" (0.305mm - 0.508mm) Round .016" x .022" (0.406mm x 0.559mm) Rectangular	T00159	1
	3-Jaw Plier - Precision tips for accurate wire and clasp adjusting and contouring - Also excellent for bending of orthopedic appliances - Box joint	
.014" - .030" (0.356mm - 0.762mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00201	1
	Wire Contouring Plier - Smooth, non-grooved surface with chamfered forming surfaces for stress-free bending - Box joint	
.016" - .036" (0.406mm - 0.914mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00204	1

	Order Number	Package Contains
	Optical Plier - Concave/convex beaks bend round or rectangular wire - Box joint	
.012" - .032" (0.305mm - 0.813mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00351	1
	Stop/V-Bend Plier - Special design makes 1mm "V" bends to shorten arch wires or provide a positive stop - Excellent for placing stops in nickel-titanium wires - Box joint	
.012" - .020" (0.305mm - 0.508mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00221	1
	Loop Forming and Closing Plier (Nance Style) - Precision loop forming with four-step tip (3, 4, 5 and 6mm) - Serrated tips prevent wire slippage - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00001	1
	Tweed Loop Forming Plier - Concave/convex beak makes precise Omega loops - Tip has three forming sections: .045", .060" and .093" - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00350	1
	Replacement Tip	
	T00350t	1

	Order Number	Package Contains
	Lingual Arch Forming Plier - Plier makes consistent and repeatable bends - Forms double-back and triple-back bends in .030" and .036" wire for use with lingual sheaths - Jaws of the plier have four grooves placed and sized for all different sized larger wires - Box joint	
.020" - .036" (0.508mm - 0.914mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00420	1
	Rectangular Arch Bending Plier (Tweed Style) - Ideal for forming square and rectangular arch wires - Thin jaws are parallel at .020" opening - Forms offsets and 90° bends on all types of arch wire - Box joint	
.022" x .028" (0.559mm x 0.711mm) Rectangular	T00442	1
	Crimpable Hook Plier - Angled beak of the plier allows for precise placement of the hooks on the arch wire - One squeeze and the hook is secure	
	T00130	1
	Step Plier - Step plier is equipped with a double-sided offset beak for bayonet-style step bend - Creates right hand or left hand step-up or step-downs - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular		
.5mm	T00132	1
1mm	T00134	1
	NiTi Crimping Plier Forms a smooth bend or crimp without nicking Nickel Titanium wire	
.022" - .028" (0.559mm - 0.711mm) Rectangular	T00160	1

	Order Number	Package Contains
	Pin and Ligature Cutter - Concave design front for maximum vision when cutting - TRU-CHROME (S.S.) and Elgiloy wire only - Box joint	
.010" - .020" (0.254mm - 0.508mm) Soft Wires	T00552	1
	Mini Pin and Ligature Cutter - Fine tips to easily access hard-to-reach areas - Cuts wire ligatures, pins and elastics - TRU-CHROME (S.S.) and Elgiloy wire only - Box joint	
.010" - .014" (0.254mm - 0.356mm) Soft Wires	T00551	1
	Safety Hold Distal End Cutter - Safety hold is ideal for cutting wires within the patient's mouth - Plier shear-cuts and holds arch wire within .5mm of the buccal tube - Box joint	
.012" - .022" (0.305mm - 0.559mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00550	1
	Standard Flush Cut and Hold Distal End Cutter - This unique design cuts wires flush with the buccal tube while holding fragments with a wire spring - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00566	1

	Order Number	Package Contains
	Distal End Cutter (with Long Handle) - Cuts and holds arch wire within .5mm of the buccal tube - Long handle design allows better control behind second molars, also results in less force to cut - Box joint	
.012" - .022" (0.305mm - 0.559mm) Round .022" x .028" (0.559mm x 0.711mm) Rectangular	T00554	1
	Hard Wire Cutter - The extra strong edges make it one of the most popular cutters 15° cutting angle for easy intraoral access - Capability of cutting ligatures at the tip - Designed to cut all arch wires - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round Hard Wire .022" x .028" (0.559mm x 0.711mm) Rectangular Hard Wire	T00553A	1
	Hard Wire Cutter 2 - Designed to cut all arch wires - Capability of cutting ligatures at the tip - Box joint	
.014" - .020" (0.356mm - 0.508mm) Round Hard Wire .022" x .028" (0.559mm x 0.711mm) Rectangular Hard Wire	T00553	1

	Order Number	Package Contains
	Force Module Separator Reverse action handles and long tapered tips make placing separating modules quick and easy	
	T00810	1
	Mathieu Wide Tip - Mathieu-style needle holder with serrated tips - Positive locking ratchet permits instant opening and closing - Box joint	
	T00030	1
	Mathieu Hole-Tip - Mathieu-style needle holder with .020" groove at tips for non-slip placement of elastic ligatures and other intraoral elastics without crushing, eliminating premature failure - Box joint	
	T00031	1
	Synergy® Ligature Remover - Designed to fit inbetween tie wings - Small, rounded, approximately 45° angle tip - Easy access to anterior and posterior teeth	
	T00520	1
	i-TTR Wire Director - Stainless Steel - Precision knurled handle - Angled notched ends for directing wire in and around bracket - Recommended for use with the RMO® i-TTR Lingual Bracket System	
	T00701	1

instruments

APEX SERIES™ BOND PLACEMENT TWEEZER/
BAND AND BRACKET REMOVERS



Direct Bond Bracket Holder

- Unique reverse action tweezer with finely serrated beaks for a non-slip grip
- Easy release of both metal and plastic direct bond brackets
- Fits narrow to wide twin

Small	T00102	1
Wide	T00101	1



Direct Bond Remover – Straight

- Wedges between the base and the tooth surface and lifts off with virtually no stress
- Precision diamond honed wedges work on all types of brackets
- Box joint

T00546	1
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Direct Bond Remover – Angled

- Quickly and safely removes direct bond brackets
- Angled precision edges allow for easy removal of brackets and excess bonding material
- Box joint

T00545	1
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Posterior Band Remover

- Wedges under the band while the 5mm replaceable teflon bumper rests on the occlusal surface for easy band removal
- Box joint

	T00347	1
Replacement Pads	T00347T	5 each



i-TTR Utility Tweezer

- Stainless Steel
- Thin tapered tips are serrated for additional grip
- Excellent general use utility tweezer
- Recommended for use with the RMO® i-TTR Lingual Bracket System

T00700	1
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Warranty APEX Series™/RMO® instruments

Guarantee

All RMO® APEX Series instruments offer an unconditional one year warranty for manufacture defects, with an additional lifetime guarantee for insert debonding.

Wear is a normal result of use and is not a defect in workmanship. RMO® will not replace or exchange cutters that have been in service for six months or longer.

All RMO® APEX Series instruments are fully guaranteed to be free of defects in materials and workmanship. If the instrument is misused, abused or not properly maintained and cleaned, the warranty claims will be void.

Return

All RMO® APEX Series instruments, which are unused, unopened and in the original package may be returned for full credit within 90 days of purchase invoice. If defective and not misused or tampered with in any manner, it may be returned to RMO® within 90 days for replacement or refund.

Repair

For repair to the APEX Series instruments outside the warranty, call RMO® Customer Service, your sales representative or your local distributor for repair recommendations. RMO® Customer Service number 1-800-525-6375.

Care and Maintenance

Lubrication – RMO® recommends lubrication of all instruments every week depending on use.

Introduction – RMO® has chosen a hi-tech material for its standard plier tip inserts which we believe provides the most superior properties for orthodontic applications. This ferrous material is extremely strong, resistant to abrasion, flexible without fracturing in thin cross sections and ultimately durable. These materials combined with our box-jointed stainless steel forgings give you excellent value for your instrument dollar, but require your participation in proper care to provide their maximum potential value to your practice.

H₂O - Something as simple as water is one of the most important factors in the safe and effective cleaning and sterilization of your valuable instrument investment.

Water in many municipal supplies can contain high levels of chlorine, chloramines, iron, and sulfur, plus other trace elements that can be damaging to your pliers. Tap water used to dilute cleaning solutions and for rinsing pliers prior to sterilization can cause severe damage. Chemicals in tap water can also neutralize rust inhibitors causing a corrosive effect on plier tips even when you are spending the time and money to use the right materials. We highly recommend that your office use distilled, R/O, or filtered water for mixing your cleaning solutions, combined with a no-rinse formula for cleaning solutions.

Choosing a Sterilization Method

RMO® STRONGLY RECOMMENDS DRY HEAT STERILIZATION FOR INSERTED ORTHODONTIC PLIERS AS THE OPTIMUM METHOD OF INFECTION CONTROL. Other methods of sterilization can be adapted to the non-stainless materials used in many inserted orthodontic pliers, but the following guidelines must be followed carefully.

Dry Heat Sterilization

Because of the non-stainless characteristics of a vast majority of orthodontic plier tip materials, Rapid Dry Heat Sterilization became the most widely used method of infection control in this dental specialty. Between rapid cycle turn-around and large load capacity, it was the logical choice for practitioners seeking to protect their substantial instrument investment. Even with advances in materials technology, Dry Heat remains as one of today’s most sensible choices for safety and efficacy in the busy orthodontic practice.

- Clean in an ultrasonic unit for 10 minutes, with a no-rinse general purpose solution with an included rust inhibitor. Keep tips open during cleaning.
- Dry instruments with a compressed air blast, towel, or allow to drain for five minutes if using a no-rinse solution.
- Place pliers on rack or cassette and load sterilizer according to manufacturer’s instructions. Loading method should allow plier tips to remain open during sterilize cycle.
- After sterilization cycle is complete, lubricate pliers with a silicon (non-petroleum) lubricant or RMO® Instrument Lubricant J00201. DO NOT use tap water during any sterilization process and always dry instruments whenever they are rinsed.

Chemclave – (Unsaturated Chemical Vapor)

- Clean in an ultrasonic unit for 10 minutes with a no-rinse general purpose solution with an included rust inhibitor. Keep tips open during cleaning.
- Dry instruments with a compressed air blast, towel, or allow to drain for five minutes if using a no-rinse solution.
- Load pliers on tray placing layers of paper towels between instruments. Loading method should allow plier tips to remain open during sterilize cycle.
- Sterilize according to manufacturer’s instructions.
- After sterilization cycle is complete, depressurize equipment and allow pliers to cool.
- Remove instruments and make sure they are dry prior to storage.
- Lubricate pliers with a silicon lubricant or RMO® Instrument Lubricant J00201. DO NOT use tap water during any sterilization process and always dry instruments whenever they are rinsed.

instruments

Warranty APEX Series™/RMO® instruments

Autoclave

Because of the high levels of moisture in the autoclave process, this method can be damaging to ferrous plier tips and is not generally recommended unless instruments are 100% stainless steel or tungsten carbide inserted.

- Clean in an ultrasonic unit for 10 minutes with a no-rinse general purpose solution with an included rust inhibitor. Keep tips open during cleaning.
- Dry or drain instruments and dip in instrument milk.
- Load pliers on tray. Loading method should allow plier tips to remain open during sterilize cycle.
- Sterilize according to manufacturer's instructions.
- After sterilization cycle is complete, depressurize equipment and allow pliers to cool.
- Remove instruments and make sure they are dry prior to storage.
- Lubricate pliers with a silicon lubricant or RMO® Instrument Lubricant J00201. DO NOT use tap water during any sterilization process and always dry instruments whenever they are rinsed.

Cold Sterilization

CDC and ADA guidelines federally mandate the use of heat sterilization for instruments used in dental care. Many professional offices use cold sterilization/ high level disinfectants for holding solutions and processing of heat sensitive items. If your office uses these types of products, here are some recommendations for avoiding damage to your pliers:

- Always ultrasonically clean prior to immersion in high level disinfectants and cold sterile solutions using the same guidelines as specified in heat sterilization methods.
- If using glutaraldehyde solutions, use only those that are non-acidic in composition and include a rust inhibitor.
- Avoid contact with quarternary ammonium compounds and iodophors.
- Keep plier tips open in liquid. Avoid immersion overnight in these chemical solutions.
- If solutions require dilution, do not use tap water. Use distilled, RO, or filtered water free from errant chemicals.
- Dry instruments immediately after rinsing.
- Lubricate frequently with a silicon-based lubricant or RMO® Instrument Lubricant J00201.



EQUIPMENT



FlashMax P3 Light Pen

The world's most powerful curing light.
Redesigned and loaded with new functions.

FlashMax P3
Light Pen



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Welder
Accessories
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FlashMax P3 Light Pen



equipment

In any orthodontic practice high quality equipment is essential for the efficiency and superior results of the treatment being provided. RMO® has 2 important offerings, that combine advanced technology, functionality and long term reliability.

660 XP Multi Purpose Welder: This is a small, versatile, economical chairside unit created to fulfill the multi-purpose requirements of appliance fabrication. It occupies minimum counter space and its light weight makes it appropriate for chairside or mobile use. Electrodes align automatically and accessories add versatility to appliance fabrication. It carries the CE mark, which satisfies the most stringent technical and safety regulations.

FlashMax P3 "Introducing the FlashMax P3 Light Pen; the Most Powerful Curing Light in the World!" (The Dental Advisor – July 15, 2011)

This is a battery operated, cordless, hand unit that provides maximum office flexibility and convenience. One charge is good for up to 500 seconds (approximately 20 quadrants).



660-XP Multi-Purpose Welder

The 660-XP Multi-Purpose Welder is a small, versatile, economical chairside unit created to fulfill the multi-purpose requirements of appliance fabrication. It occupies minimum counter space and its light weight makes it appropriate for chairside or mobile use. Electrodes align automatically and accessories add versatility to appliance fabrication. Black color only. It carries the CE mark, which satisfies the most stringent technical and safety regulations.

Electrical, size and weight data

- Solid state circuitry
- Size: 6 1/2" wide x 10 1/2" deep x 6 7/8" high (16.5cm x 26.7cm x 17.4cm)
- Net weight 8 lbs. 12 oz. (4.0 kg)
- Shipping weight, 13 lbs. (5.9 kg)

Functions

- Welds with four welding heats and self-centering electrodes
- Electro-solders with turret carbon tip and cables
- Anneals with plug-in jack
- Heat-tempers and stress-relieves with cables

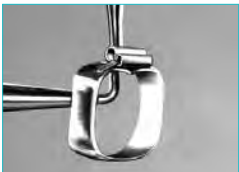
Annealing



Soldering



Spot Welding



Heat-tempering



Plug Pattern

	J00060	North America	110-125V, 60HZ
NO CORD	J00064	No Cord	220-250V, 50-60HZ
	J00064-1	Europe, Korea	220-250V, 50-60HZ
	J00064-2	Italy	220-250V, 50-60HZ
	J00064-3	Australia	220-250V, 50-60HZ
	J00064-4	United Kingdom	220-250V, 50-60HZ
	J00064-5		220-250V, 50-60HZ

Miscellaneous Accessories 660-660-XP Welder

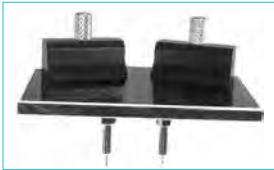
	Order Number	Package Contains	
Carbon tip for auxiliary cables	H00083	2	
Metal tip and vise for auxiliary cables	H00091	1	
Metal tip and carbon tip holder for auxiliary cables	H00092	1	
Lower ball electrode	H00101	1	
Lower soldering electrode	H00102	1	
Lower anvil electrode	H00103	1	
Lower pointed electrode	H00104	1	
Upper grooved electrode	H00105	1	
Upper electrode for carbon tip	H00106	1	
Upper blunt electrode	H00107	1	
Upper pointed electrode	H00108	1	
Carbon tip; use with H00106 electrode	H00109	3	
Upper turret with electrodes	H00112	1	
Lower turret with electrodes	H00113	1	
Fuse for J00060, J00059	H00500	1	
Fuse for J00641, J00642, J00643, J00644	H00501	1	
Wrench for electrodes	H00509	2	
White knob for 660 Welder	H00506	1	

Miscellaneous Accessories 506-600-620 Welder

Copper turret assembly	H00018	1	
Upper pointed electrode	H00044	1	
Lower pointed electrode	H00043	1	

Universal Electrodes – extra long-cut, bend to shape for older welders

Upper	H00035	2	
Lower	H00036	2	

	Order Number	Package Contains
Miscellaneous Accessories 660-660-XP Welder		
	Auxiliary Cables - For auxiliary functions of soldering, annealing, heat-tempering and stress-relieving with RMO® equipment - Cables, complete with brass tips, vise tip and carbon soldering tip	
	J00431	1 pair
	Annealing Jack For annealing (Heat Softening) stainless steel prior to forming loops and bends	
	J00432	1
	Auxiliary Plug-in Vise - Replaces one cable when a stationary grip is required on wire to solder on an accessory - Two vises clamp arch wire	
	J00433	1
	Heat-Treat Table - Specially designed for the 660 welder - For heat-treating (Temper-Hardening of Elgiloy or stress-relieving of stainless steel)	
	J00427	1
	Replacement Vise Assembly For J00427 Heat-Treat Table	
	H00507	1
	Sandpaper Disc for 660-XP Welder - Prevents debris from falling into the auxiliary receptacles - Used to clean soldering tips of dried flux and solder. Place on top of welder under auxiliary plug-in units	
	H00045	5

	Size	Order Number	Package Contains	
RMO® Silver Solder				
Rectangles	3.1mm x 4mm	H00116	100 pieces	
	3.1mm x 6mm	H00117	100 pieces	
Bar Strips – Standard	0.6mm x 3.0mm x 3" (7.6cm)	H00021	4 strips	
Heavy (for commercial lab equipment)	1.0mm x 3.0mm x 3" (7.6cm)	H00020	4 strips	
Wire – 5 pennyweight (.25 oz.) spool				
	28 ga. - .013"	H00025	1 spool	
	25 ga. - .018"	H00024	1 spool	
	22 ga. - .025"	H00119	1 spool	
	20 ga. - .032"	H00049	1 spool	
Silver solder melts at 1125° F (607°C)				
Auxiliaries for soldering				
True-Chrome® Flux				
Paste Flux for flame soldering, 1 oz.		J00040	1	
Fluid Flux for electro-soldering, 1 oz. (not for flame soldering)		J00041	1	
				

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