



Sterngold *Attachments*[®]



Quality Products, Support & Education

Sterngold[®]'s first dental attachment was developed in 1921. We have been producing precision dental attachments longer than any company in the world and are the largest American manufacturer of dental attachments for removable partial dentures, overdentures and segmented bridges. We developed the patented ERA[®], today's most popular resilient attachment. In addition, Sterngold[®] offers implant overdentures as the newest dental attachment application.


Sterngold[®]
www.sterngold.com

Dental Attachments

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Working with Metal Attachments

Depending on the attachment's design, metal components are anchored in denture acrylic, soldered to a casting, or invested along with a wax pattern and cast against with a dental alloy. Use an alloy with a casting temperature at least 100°F (40°C) below the lowest value of the component's melting range when casting against an attachment component.

Melting Ranges of Attachments

Attachment Components	Melting Range	
	Degrees F	Degrees C
Ceramacast	2600-2760	1425-1515
Ceramicor	2550-2715	1400-1490
Doral	1705-1860	930-1015
Elitor	1615-1725	880-940
Iridium-Platinum	3300-3360	1820-1850
NPS	2700-2850	1480-1565
OSV	1885-2010	1030-1100

Attachment Selection

In citing common applications for dental attachments, Sterngold® is reporting uses adopted by clinical authorities and does not endorse any particular philosophy of treatment. We recommend you consult the dental literature.

Measuring For Attachments

Sterngold® works hard to make using attachments easy for you. In this catalog we provide our best advice on space requirements based on extensive practical experience. Each attachment description lists the minimum space required for placement of the attachment with high assurance of successful, long-term function. Allowances are made for dental casting alloys and denture acrylic that surround or hold the attachment component. With this information you can measure a study cast and decide if an attachment can be used in the available space.

Allowances

Denture acrylic thickness

- Occlusal to extracoronal attachment components, bars, and overdenture attachments (influences Height), 1mm
- Lateral to attachment components (influences Removable Component Width), 1mm on each side

Casting alloy thickness

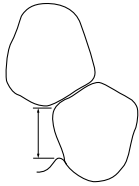
- For root cap coping (influences Height), 0.5mm
- Between a box preparation axial wall and a metal intracoronal precision attachment female (influences Prep Depth), 0.4mm

Solder thickness *(influences Height), 0.3mm*

Note: At least 0.5mm of casting alloy must separate the attachment female from a porcelain fused to metal veneer.

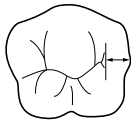
Definitions of Dimensions

Partial Denture Attachments



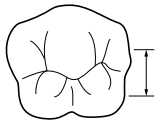
Height

Minimum required distance from the papilla to the opposing occlusal surface.



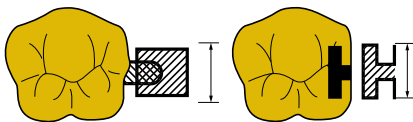
Prep Depth

Minimum depth of tooth structure needed for preparation of the attachment space.



FC Width *Fixed Component of the attachment*

Minimum faciolingual space necessary for the fixed attachment component.



RC Width *Removable Component of the attachment*

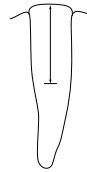
Minimum faciolingual space required in the prosthesis for the removable attachment component.

Overdenture Attachments



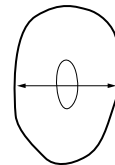
Height

Minimum required distance from the surface of the prepared abutment root to the opposing occlusal surface.



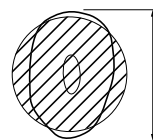
Prep Depth

Minimum depth of tooth structure needed for preparation of the attachment space.



FC Width *Fixed Component of the attachment*

Minimum diameter of the space required for the fixed attachment component. Measure the smallest diameter of the root surface.



RC Width *Removable Component of the attachment*

Minimum diameter of the space needed in the prosthesis for the removable attachment component.

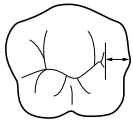
Definitions of Dimensions

Segmenting Attachments



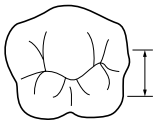
Height

Minimum required distance from the papilla to the opposing occlusal surface when the attachment is used only for segmentation.



Prep Depth

Minimum depth of tooth structure needed for preparation of the attachment space.



Width

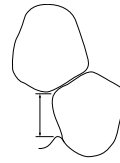
Minimum faciolingual space necessary for the attachment.



RPD Height *Removable Partial Denture*

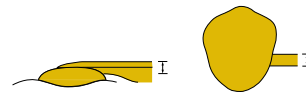
Minimum required distance from the papilla to the opposing occlusal surface when the attachment is later converted to a removable partial denture retainer.

Bar Attachments



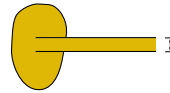
Height

Minimum required distance from the surface of the prepared abutment root to the opposing occlusal surface.



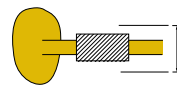
FC Height *Fixed Component of the attachment*

Minimum occlusogingival space needed for the bar.



FC Width *Fixed Component of the attachment*

Minimum faciolingual space needed for the bar.



RC Width *Removable Component of the attachment*

Minimum faciolingual space required in the prosthesis for the removable attachment component.

Rigid Attachments for Removable Partial Dentures

Rigid attachments are highly stable connectors with very slight movement in function. When abutment teeth are stable, rigid attachments are often the connectors of choice. Some can be used for segmenting fixed partial dentures to simplify future case conversion to a removable restoration.

In distal extension partial denture cases, occlusal forces are directed to both the abutment teeth and the edentulous ridge, with emphasis on the teeth. Therefore, rigid attachments are kinder to the edentulous ridge than are resilient attachments.

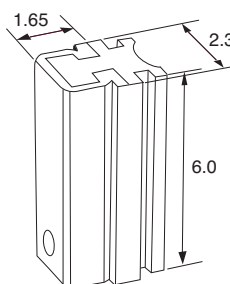
Stern Latch®

- Intracoronal precision slide attachment
- Adjustable gingival latch
- Gold Alloy (Ceramicor) male
- Iridium-Platinum female



Indications

- Partial dentures - non-resilient bilateral or unilateral, bound or free-end
- Cross-arch stabilization for non-resilient unilateral partial dentures
- Segmented fixed bridgework



Fixation

Male — soldered or laser welded to removable partial denture framework, or cast to with gold alloys
 Female — soldered or cast to with precious and non-precious alloys

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height*	FC Width	Prep Depth	RC Width
3.5mm	3.3mm	2.2mm	3.3mm

* Using a lingual stabilizing arm is always a good idea with rigid attachments, but is necessary when the attachment is reduced to 4.0mm or less.

Ultra Retention

Unlike most attachments, the Stern Latch® does not rely solely on friction between the male and female for retention. It also features a gingival latch on the male that clicks over a dimple in the female. Using the special G/L adjusting tools, the latch retention can be simple and predictably adjusted to give the patient just what they need.

Precision Manufactured

High quality manufacturing techniques result in a sleek precision machined finish. New techniques finish the Stern Latch® components to .0001" assuring quality of fit, consistency, and interchangeability of parts. The female is made of high melting temperature Iridium-Platinum that can be cast against with virtually all alloys. The male is a high temperature Ceramicor alloy that can be soldered, welded or cast to with gold alloys. Rounded male end also allows for easier insertion.

Item	Number
Stern Latch®	802010
Female	802011
Male	802012
Paralleling Mandrel	802014
Transfer Jig	802013

Stern G/L .070 Replacement Males

Due to the popularity and longevity of the .070 G/L attachment, we have introduced a .070 G/L replacement male. These new males are made of a type of stainless steel which is close in physical properties to the original gold males. They also are designed with a "tail" on the back of the male (ESI) so that you can process them directly into the denture acrylic as well as connecting them to the frame by soldering or welding. These new males have a latch that is adjustable with the original G/L adjusting tools.

- Stainless Steel
- Precision machined
- Adjustable gingival latch



Fixation

Soldered or laser welded to a removable partial denture framework or polymerized into denture acrylic.

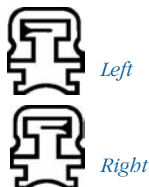


Item	Number
.070 G/L ESI Replacement Male	802803
Graphite Paste, 1 bottle, 20 ml	801656
APM Sterngold® Gauge	812018
1 - 6 G/L Adjusting Tools	802110
1 & 2 G/L Adjusting Tool	802113
3 & 4 G/L Adjusting Tool	802114
5 & 6 G/L Adjusting Tool	802115

Rigid Attachments for Removable Partial Dentures

C&M McCollum

- Intracoronal precision slide attachment
- Frictional retention
- Gold alloy (Ceramicor) male and female
- Retention adjustment slot on left or right side of male



Note: Left and Right refer to orientation in the lower arch. If you are working in the upper arch you would order the opposite. Example - If working on the upper right side you would order a left McCollum. Generally, retention will be easiest to adjust if the slot is toward the buccal of the prosthesis.

Indications

- Partial dentures - non-resilient bilateral or unilateral, bounded or free-end
- Cross-arch stabilization for non-resilient unilateral partial dentures
- Segmented fixed bridgework

Fixation

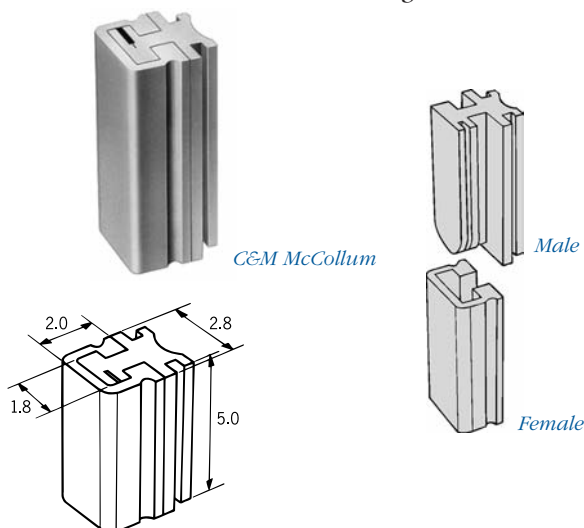
Male — soldered, electro or laser welded, or cast directly against with any precious alloy (not non-precious)
 Female — soldered, or cast directly against with any precious alloy (not non-precious)

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height*	FC Width	Prep Depth	RC Width
3.5mm	3.8mm	2.4mm	3.8mm

*Using a lingual stabilizing arm is always a good idea with rigid attachments, but is necessary when the attachment is reduced to 4.0mm or less.

Item	Number
C&M McCollum Left slot	801113
C&M McCollum Right slot	801114
Female	801118
Male Left	801119
Male Right	801117
Paralleling Mandrel	801115



Biloc®

- Intracoronal semi-precision slide attachment
- Adjustable friction retention
- Precious alloy (Ceramicor) male
- Designed for use with non-precious alloys
- Requires lingual bracing arm and auxiliary rod and tube attachment

Fixation

Male — soldered to removable partial denture framework
 Female — cast as part of crown pattern

Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height	FC Width	Prep Depth	RC Width
3.0mm	3.0mm	2.0mm	3.0mm

Biloc Item	Number
Male, Ceramicor alloy	801814
Activation Tool closes male	801808
Activation Tool opens male	801809



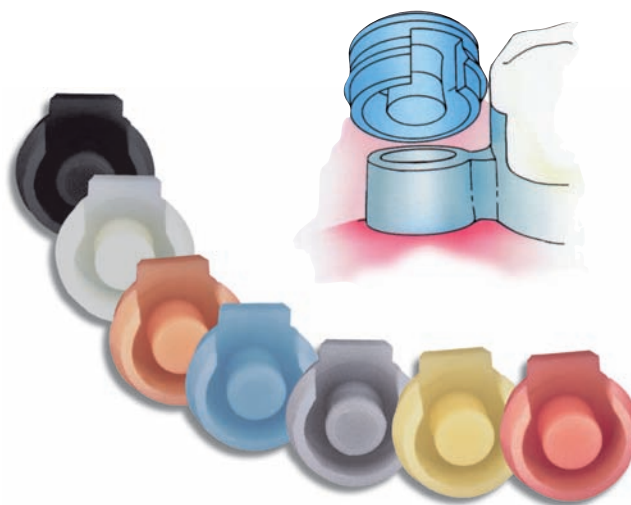
* Not available in some countries

Resilient Attachments for Removable Partial Dentures

These stress directing attachments for Kennedy Class I and II cases place occlusal load on both the abutment teeth and the edentulous ridge. The ridge is more heavily loaded than when using rigid attachments, and the abutment teeth are more lightly loaded.

ERA®-RV (standard) and Micro ERA®

- Extracoronal semi-precision attachment
- Universal hinge with vertical resiliency
- Nylon male, plastic pattern female
- Black fabrication male with built-in spacer
- Six color-coded males to create a consistent level of retention (white, orange, blue, grey, yellow and red)
- Males easily changed without use of autopolymerizing acrylic
- Optional ERA® Metal Jacket holds the attachment male in the denture base and is sold pre-loaded with a black fabrication male. Stainless steel to allow soldering or laser welding.



White, Orange, Blue, Grey, Yellow, Red

Fixation

Male — retained directly in processed denture acrylic or ERA®-RV/ Micro ERA® Metal Jacket

Female — cast as part of crown pattern

Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

ERA®-RV (standard)

Minimum Space Required *Definitions of Dimensions, page 1.2-3*

Height	FC Width	Prep Depth	RC Width
3.5mm†	2.8mm	Normal crown	6.3mm

ERA® Metal Jacket thickness: 0.3mm

†Add 1.0mm for patients with habitually strong bites.

Micro ERA®

Minimum Space Required *Definitions of Dimensions, page 1.2-3*

Height	FC Width	Prep Depth	RC Width
3.0mm†	2.2mm	Normal crown	5.4mm

ERA® Metal Jacket thickness: 0.3mm

†Add 1.0mm for patients with habitually strong bites.



Paralleling Mandrel



Partial Denture Processing Jig



ERA®-RV Metal Jacket



ERA® Attachment Extraction Tool



Core Cutter

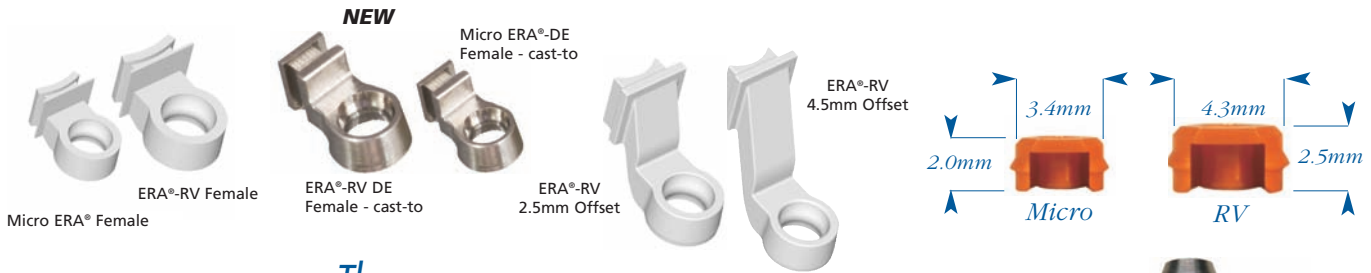


Seating Tool



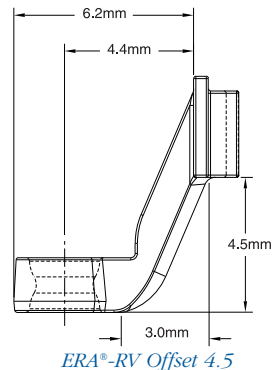
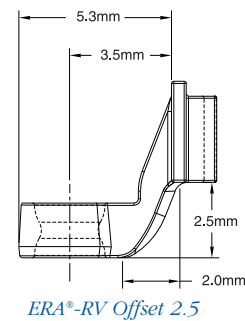
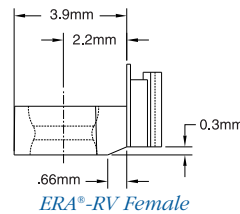
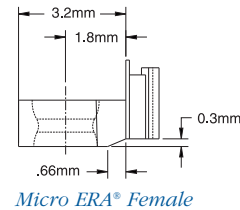
ERA®-RV Micro ERA® Impression Copings

Resilient Attachments for Removable Partial Dentures



The
Micro ERA® Attachment
is 20% smaller than the ERA®-RV,
making it the smallest extracoronal
resilient attachment in the world.
(only 2mm tall and 3.4mm wide)

	ERA-RV (standard)	Micro ERA®
ERA® Starter Kit	811105	811011
<i>2 attachments, 2 metal jackets, 2 processing jigs, 1 core cutter bur, 1 seating tool, and 1 paralleling mandrel</i>		
ERA® Complete Attachment		
<i>1 female, 2 black males, 2 white males, 1 orange male</i>		
ERA®-RV/Micro ERA®	811115	811012
ERA®-RV Offset 2.5	811204	N/A
ERA®-RV Offset 4.5	811203	N/A
ERA® Female		
ERA®-RV/Micro ERA® Female	811190	811010
ERA®-RV Offset 2.5 Female	811202	N/A
ERA®-RV Offset 4.5 Female	811201	N/A
ERA®-RV/Micro ERA®-DE Female - cast-to	811610	811609
ERA® Males		
Black Fabrication, 5	811125	811013
White, 5	811135	811014
Orange, 5	811145	811015
Blue, 5	811155	811016
Grey, 5	811165	811017
Yellow, 5	811175	811018
Red, 5	811176	811019
Assorted, 7	811166	811009
<i>1 ea. black, white, orange, blue, grey, yellow, and red</i>		
ERA® Components		
ERA® Metal Jacket <i>with fabrication male</i>	811168	811021
Laboratory Tool Kit <i>Core cutter bur, seating tool and paralleling mandrel</i>	811200	811025
Dentist Tool Kit <i>Core cutter bur and seating tool</i>	811240	811026
ERA® Core Cutter Bur	811220	811023
ERA® Seating Tool	811230	811022
ERA® Paralleling Mandrel	811210	811024
ERA® Partial Processing Jig	811250	811020
ERA®-RV Partial Impression Coping	811232	811235
ERA® Attachment Extraction Tool	811027	811027



Resilient Attachments for Removable Partial Dentures

Dalbo® (Dalbo®-S)

- Extracoronal precision attachment
- Directed hinge featuring lateral stability, vertical resiliency with return spring and hinging movement
- Gold alloy (Ceramicor)
- Gold alloy female, Elitor for Ceramicor males
- Standard and mini sizes. Mini Dalbo lacks vertical resiliency.
- Unilateral design can also be used in bilateral applications; has a deeper vertical bar for more lateral stability.

Fixation

Male — Ceramicor males soldered or cast to with most precious alloys.

Female — Polymerize into denture acrylic

Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

Minimum Space Required Definitions of Dimensions, page 1.2-3

Elitor females, Ceramicor males:

	Height	FC Width	Prep Depth	RC Width
Standard Unilateral	6.0mm	3.4mm	1.6mm	5.5mm
Mini Unilateral	4.0mm	3.4mm	1.6mm	5.5mm

Precious Alloy Retainer Crowns

(Elitor females and Ceramicor males)

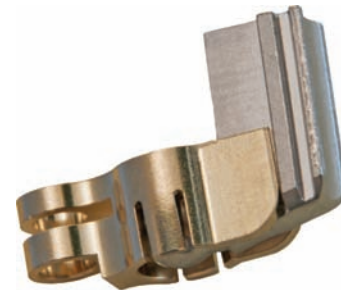
Item	Number
Standard Unilateral Dalbo	801415
Standard Unilateral Female with spring	801434
Standard Unilateral Male	801435
Mini Unilateral Dalbo	801423
Mini Unilateral Female	801446
Mini Unilateral Male	801447

Components

Item	Number
Mini Processing Jig	801425
Standard Processing Jig	801426
Paralleling Mandrel	801427
Standard Fabricating Plug	801428
Standard Coil Springs, 6	801430



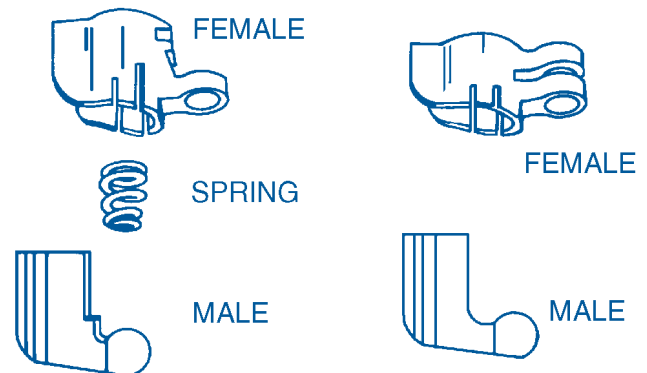
Standard Unilateral Dalbo



Mini Unilateral Dalbo

Standard Unilateral

Mini Unilateral



Resilient Attachments for Removable Partial Dentures

Cross-Arch Roach

- Intracoronal precision attachment. Specifically for cross-arch stabilizing Kennedy Class II cases restored using resilient attachments.
- Adjustable frictional retention
- Gold alloy male (OSV) and female (Ceramicor)
- Female is set in the lingual surface of a pontic or large molar crown.
- Male rotates and moves vertically as the contralateral attachment functions.

Fixation

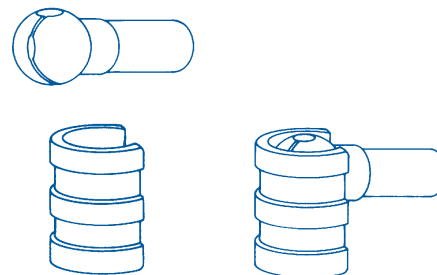
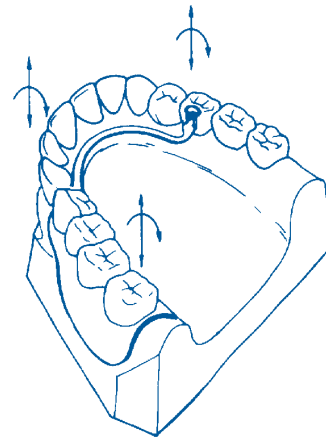
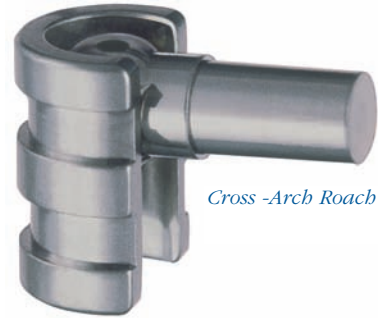
Male — soldered to removable partial denture framework

Female — soldered, or cast to with most precious alloys

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height	FC Width	Prep Depth	RC Width
4.0mm	4.5mm	4.5mm	N/A

Item	Number
Cross-Arch Roach	801482
Female	801488
Male	801489
Paralleling Mandrel	801483
Retention Adjusting Tool	801485



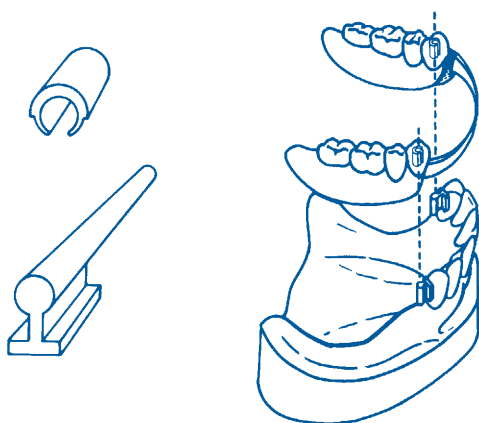
Resilient Attachments for Removable Partial Dentures



Hader Vertical Kit



Hader Vertical Clips



Hader Vertical

- Extracoronally semi-precision attachment
- Very slight hinging motion makes it functionally compatible with clasp retainers on the contralateral side of the arch.
- Nylon clip and plastic pattern male
- Loads abutment tooth more strongly than other resilient attachments

Fixation

Male — cast as part of crown pattern

Clip — frictionally held in removable partial denture framework

Cast plastic male using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height	FC Width	Prep Depth	RC Width
4.5mm	1.8mm	Normal Crown	5.0mm

Item	Number
Hader Vertical Kit	810040
Attachments (6) and seating tool	
Hader Housing, 6	810058
Riders, white, 6	810003
Riders, yellow, 6	810005
Riders, red, 6	810007
Seating Tool	810025
Males, 6	810055

* Not available in some countries.

Segmenting Attachments for Fixed Partial Dentures

Major applications of segmentation are: non-parallel abutments, easier laboratory fabrication and clinical insertion of large fixed restorations, occlusal force management in pier abutment cases, and segment removal for case repair or conversion to a removable partial denture.

Plastic Dovetail

- Intracoronal semi-precision slide attachment
- Frictional retention, not adjustable
- Plastic pattern male and female
- Can also be used in conjunction with a retentive clasp arm as a rigid attachment for removable partial dentures
- Built in paralleling mandrels for both male and female allow the male or female to be positioned towards the occlusal.

Fixation

Male — cast as part of crown or pontic pattern

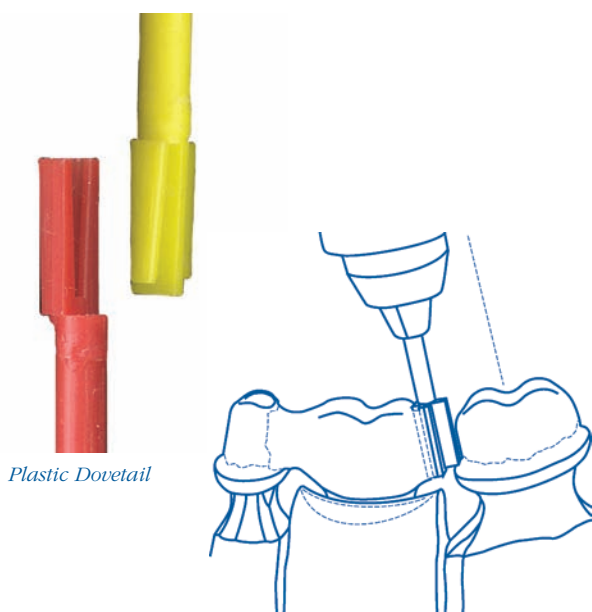
Female — cast as part of crown pattern

Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height	Width	Prep Depth	RPD Height
2.0mm	2.6mm	2.0mm	3.5mm

Item	Number
Plastic Dovetail, 2 per pkg.	807110



Tube Lock

- Intracoronal semi-precision rod and tube attachment
- Frictional retention, not adjustable
- Plastic pattern male and female

Fixation

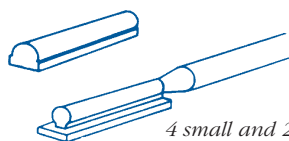
Male — cast as part of crown or pontic pattern

Female — cast as part of crown pattern

Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

Minimum Space Required Definitions of Dimensions, page 1.2-3

	Height	Width	Prep Depth
Small Tube Lock	2.0mm	1.8mm	1.6mm
Large Tube Lock	2.0mm	2.0mm	1.9mm



Tube Lock Kit 821001

4 small and 2 large attachments with ceramic rods, 1 small reamer, 1 large reamer, 1 small mandrel and 1 large mandrel

Small Tube Lock

Item	Number
Small Tube Lock	821005
<i>2 attachments per pkg. with ceramic rods</i>	
Small Tube Lock	821030
<i>2 attachments per pkg. without ceramic rods</i>	
Females, 4	821045
Males, 4	821040
Ceramic Rods, 4	821035
Paralleling Mandrel	821015
Carbide Bur	821020
Reamer	821025

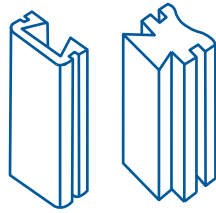
Large Tube Lock

Item	Number
Large Tube Lock	821010
<i>2 attachments per pkg. with ceramic rods</i>	
Large Tube Lock	821065
<i>2 attachments per pkg. without ceramic rods</i>	
Females, 4	821080
Males, 4	821075
Ceramic Rods, 4	821070
Paralleling Mandrel	821050
Carbide Bur	821055
Reamer	821060

Segmenting Attachments for Fixed Partial Dentures



Beyeler



Beyeler

- Intracoronal, precision, slide attachment. Tolerances 50% tighter than other precision attachments.
- Frictional retention with 2° taper, not adjustable
- Gold alloy (Ceramicor) male and female
- Dovetail design for strength and lateral stability
- Indicated for fixed partial denture segmentation only

Fixation

Male — soldered, or cast to with most precious alloys

Female — soldered, or cast to with most precious alloys

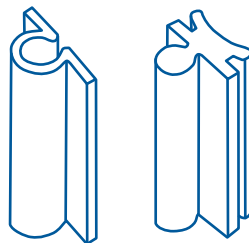
Minimum Space Required

Height	Width	Prep Depth	RPD Height
2.0mm	3.7mm	1.6mm	N/A

Item	Number
Beyeler	801043
Female	801044
Male	801045
Paralleling Mandrel	801047



Interlock



Interlock (Cylindrical Slide Attachment)

- Intracoronal precision rod and tube attachment
- Frictional retention, not adjustable
- Gold alloy (Ceramicor) male and female
- Indicated for fixed partial denture segmentation only

Fixation

Male — soldered, or cast to with most precious alloys

Female — soldered, or cast to with most precious alloys

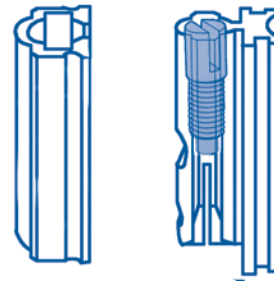
Minimum Space Required Definitions of Dimensions, page 1.2-3

Height	Width	Prep Depth	RPD Height
2.0mm	2.5mm	2.5mm	N/A

Item	Number
Interlock	801026
Female	801028
Male	801029
Paralleling Mandrel	801027



Combi-Snap



Combi-Snap

- Intracoronal precision slide attachment
- Frictional retention with latch, optional screw retention
- Gold alloy (Ceramicor) male and female
- Locking screw prevents patient separation of male and female.
- Removal of the locking screw converts the attachment to its removable partial denture configuration with frictional retention and adjustable spring latch.

Fixation

Male — soldered, or cast to with most precious alloys. Solder to removable partial denture framework.

Female — soldered, or cast to with most precious alloys

Minimum Space Required Definitions of Dimensions, page 1.2-3

Height	Width	Prep Depth	RPD Height
5.2mm	4.4mm	2.7mm	5.2mm

Item	Number
Combi-Snap	801051
Female	801061
Male	801060
Paralleling Mandrel	801052
Processing Jig	801053
Combi-Snap Activator/Deactivator	801054
Screwdriver	801055
Thomas Key	801938
Occlusal Screw	801062

Overdenture Attachments

Anchoring an overlay denture to retained roots enhances denture stability. Overdenture attachments are available with rigid or resilient function. Due to compromised periodontal support, resilient designs are most commonly used.

Standard ERA® and Micro ERA® Overdentures

- Resilient semi-precision attachment
- Radicular snap
- Universal hinge with vertical movement
- Nylon male, plastic pattern female
- Black fabrication male with built-in spacer
- Six color-coded males to create a consistent level of retention (white, orange, blue, grey yellow, red)
- Optional ERA® Metal Jacket holds the attachment male in the denture base and is sold pre-loaded with a black fabrication male. Stainless steel to allow soldering or laser welding.
- Males changed without use of autopolymerizing acrylic
- The Micro is 20% smaller than the standard. This saves 0.5mm in height and almost 1mm in width with no loss of retention or longevity.

Fixation

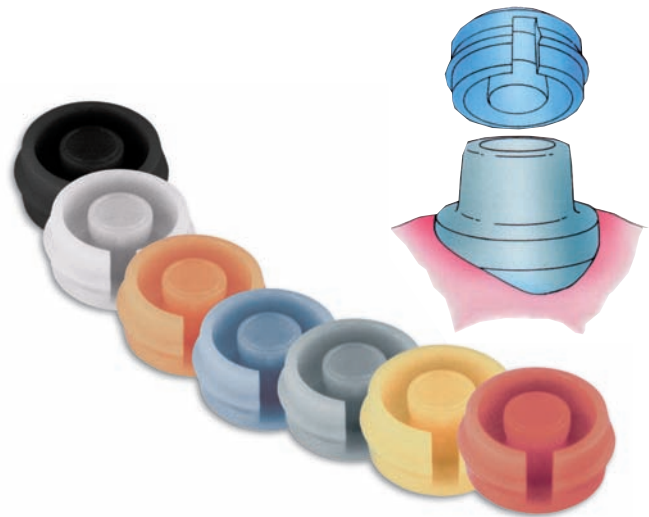
Male — retained directly in processed denture acrylic or ERA® Overdenture Metal Jacket

Female — cast as part of root cap coping
Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

Minimum Space Required *Definitions of Dimensions, page 1.2-3*

	Height	FC Width	Prep Depth	RC Width
Standard ERA®	4.2mm†	4.3mm	N/A	6.3mm
Micro ERA®	3.6mm†	3.4mm	N/A	5.4mm

†Add 1.0mm for patients with habitually strong bites.
 ERA® Metal Jacket thickness: 0.3mm



White, Orange, Blue, Grey, Yellow, Red



	Standard ERA®	Micro ERA®
ERA® Overdenture Starter Kit <i>2 attachments, 2 metal jackets, 2 processing jigs, 1 core cutter bur, 1 seating tool, and 1 paralleling mandrel</i>	811300	811045
ERA® Overdenture Attachment <i>1 female, 2 black males, 2 white males, 1 orange male</i>	811310	811044
ERA® Overdenture Female	811390	811030
ERA® Overdenture Males		
Black Fabrication, 5	811320	811035
White, 5	811330	811036
Orange, 5	811340	811037
Blue, 5	811350	811038
Grey, 5	811360	811039
Yellow, 5	811370	811040
Red, 5	811375	811041
Assorted, 7	811365	811029
<i>1 each: black, white, orange, blue, grey, yellow, and red</i>		
ERA® Overdenture Metal Jacket with fabrication male	811380	811043
Laboratory Tool Kit <i>Core cutter bur, seating tool and paralleling mandrel</i>	811200	811025
Dentist Tool Kit <i>Core cutter bur and seating tool</i>	811240	811026
ERA® Core Cutter Bur	811220	811023
ERA® Seating Tool	811230	811022
ERA® Paralleling Mandrel	811210	811024
ERA® Overdenture Processing Jig	811395	811042
ERA® Overdenture Impression Coping	811233	811236
ERA® Attachment Extraction Tool	811027	811027

Overdenture Attachments

Dalla Bona

- Rigid or resilient precision attachment
- Radicular telescopic stud and radicular ball and socket joint
- Adjustable frictional retention
- Gold alloy male (Elitor) and (OSV or Elitor) female
- PVC ring surrounds the female to protect adjustment slots from acrylic.
- Spherical fabricated using removable spacer for vertical and universal hinge movement

Fixation

Male — soldered to cast root coping

Female — polymerized into denture acrylic

Minimum Space Required Definitions of Dimensions, page 1.2-3

	Height	FC Width	Prep Depth	RC Width
Rigid	5.0mm†	3.1mm	N/A	5.7mm
Resilient	5.8mm†	3.1mm	N/A	5.4mm

†Add 1.0mm for patients with habitually strong bites.

Cylindrical Rigid

Item	Number
Dalla Bona Cylindrical (Dalbo®-Z)	801178
Female	801179
Male	801180
Paralleling Mandrel	801183
Processing Jig	801182
PVC Ring	801181
Activator	801175
DeActivator	801176

Spherical Resilient

Item	Number
Dalla Bona Spherical (Dalbo®-Classic)	801187
Female	801188
Male	801189
Paralleling Mandrel	801183
Processing Jig	801182
PVC Ring	801181
Activator	801175
DeActivator	801176



Dalla Bona Cylindrical (Dalbo®-Z)



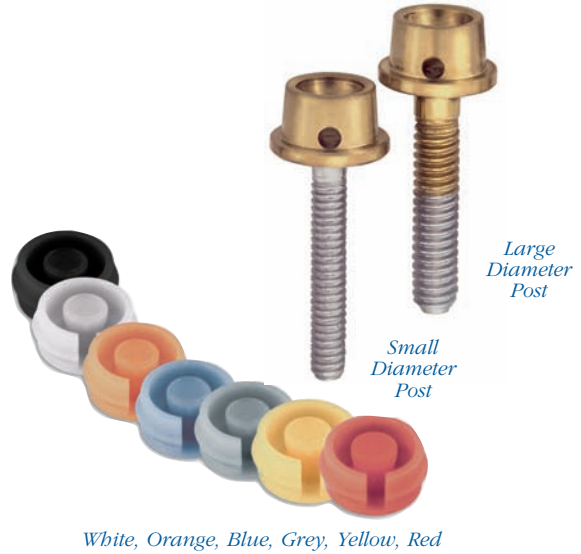
Dalla Bona Spherical (Dalbo®-Classic)

* Not available in some countries

Overdenture Attachments

ERA® Direct Overdenture

- Resilient precision attachment
- Radicular snap
- Universal hinge with vertical movement
- Nylon male
- Stainless steel female with titanium nitride coating
- Black fabrication male with built-in spacer
- Six color-coded males to create a consistent level of retention (white, orange, blue, grey, yellow, red)
- Optional ERA® Metal Jacket holds the attachment male in the denture base and is sold pre-loaded with a black fabrication male. Stainless steel to allow soldering or laser welding.
- One post diameter: 1.3mm, 9mm long (micro only)
- Four post angles: 0° (straight), 5°, 11° and 17°
- Choice of two post diameters: 1.3mm or 1.7mm, both 9mm long (standard only)
- Males changed without use of autopolymerizing acrylic



White, Orange, Blue, Grey, Yellow, Red

Fixation

Male — retained directly in processed denture acrylic or an ERA® Overdenture Metal Jacket

Female — post cemented in prepared root

Minimum Space Required

Height	FC Width	Prep Depth	RC Width
4.0mm†	4.3mm	5.0mm	6.3mm

†Add 1.0mm for patients with habitually strong bites.
ERA® Metal Jacket thickness: 0.3mm

ERA® Direct Overdenture Kits

Post Diameter	Standard Small 1.3mm	Standard Large 1.7mm	Micro Small 1.3mm
Post Length	9mm	9mm	9mm
Master Kit	811400	811402	811403
<i>Kit Contains: Five females, (2- 0°, 1 each 5°, 11°, and 17°), males, 5 sets of 5, (two each of white and black and one orange), 2 processing jigs, 2 alignment handles, 1 of each gutta percha drill, pilot drill, countersink bur, core cutter bur and seating tool, and 2 metal jackets.</i>			
Master Kit (w/o core cutter and seating tool)	811405	811407	811404
<i>Kit Contains: Five females, (2- 0° plus one each 5°, 11°, and 17°), males, 5 sets of 5, (two each of white and black and one orange), 2 processing jigs, 2 alignment handles, 1 each gutta percha drill, pilot drill, countersink, and 2 metal jackets.</i>			
Basic Kit	811410	811412	811413
<i>Kit Contains: Three females, (2-0° 1-11°) males, 3 sets of 5, (two each of white and black and one orange) 2 alignment handles, 1 of each pilot drill, countersink bur, core cutter bur, seating tool, and 2 metal jackets.</i>			
Basic Kit (w/o core cutter and seating tool)	811415	811417	811414
<i>Kit Contains: Three females, (2-0° 1-11°) males, 3 sets of 5, (two each of white and black and one orange), 2 alignment handles, 1 each pilot drill, countersink bur, and 2 metal jackets.</i>			
Mixed Kit	811398	811398	n/a
<i>Kit Contains: small diameter post females, 2-0° plus one each 5°, 11°, and 17°, large diameter post females, 2-0° plus one each 5°, 11°, and 17°, males, 10 sets of 5 - 2 ea of white, black and 1 orange, 2 sets of 4, 4 processing jigs, 4 alignment handles, pilot drills (1 small diameter and 1 large diameter), countersink burs (1 small diameter and 1 large diameter), gutta percha drill, core cutter bur and seating tool, and 2 metal jackets.</i>			



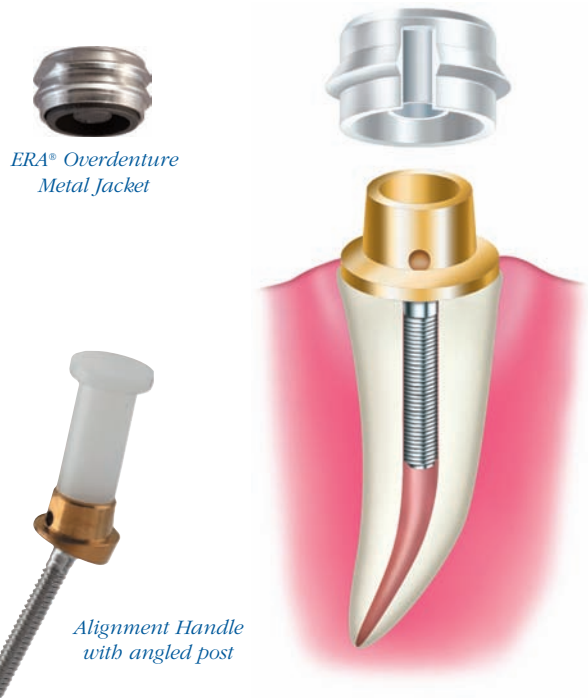
ERA® Direct Master Kit #811405

Overdenture Attachments

ERA® Direct Overdenture Complete Attachment

1 female, 2 black males, 2 white males, 1 orange male

	<u>STANDARD</u>		<u>MICRO</u>
	Small Post	Large Post	Small Post
0°	811420	811470	811424
5°	811425	811475	811429
11°	811430	811480	811434
17°	811435	811485	811439



ERA® Direct Overdenture Female

	<u>STANDARD</u>		<u>MICRO</u>
	Small Post	Large Post	Small Post
0°	811421	811471	811422
5°	811426	811476	811427
11°	811431	811481	811432
17°	811436	811486	811437

ERA® Overdenture Males

	<u>Item</u>	<u>STANDARD</u>	<u>MICRO</u>
Black Fabrication, 5		811320	811035
White, 5		811330	811036
Orange, 5		811340	811037
Blue, 5		811350	811038
Grey, 5		811360	811039
Yellow, 5		811370	811040
Red, 5		811375	811041
Assorted, 7		811365	811029

1 each: black, white, orange, blue, grey, yellow and red

ERA® Overdenture Components

	<u>Item</u>	<u>STANDARD</u>	<u>MICRO</u>
ERA® Overdenture Metal Jacket <i>with fabrication male</i>		811380	811043
ERA® Core Cutter Bur		811220	811023
ERA® Seating Tool		811230	811022
ERA® Extraction Tool		811027	811027
Gutta Percha Drill		811440	811440
Pilot Drill, Small Post		811445	811445
Large Post		811448	n/a
Counter Sink Bur, Small Post		811450	811453
Large Post		811452	n/a
Alignment Handles, 2		811455	811456
ERA® Overdenture Processing Jig		811395	811042
ERA® Overdenture Impression Coping		811233	811236
ERA® Lock Cement Automix		811917	
ERA® Lock Cement Automix Tips		811918	
ERA® Direct Overdenture Demonstration Model		811465	



Gutta Percha Drill, Pilot Drill, Countersink Bur



ERA® Overdenture Processing Jig



ERA® Lock Cement Automix



ERA® Overdenture Impression Coping, Standard



Demonstration Model

Overdenture Attachments

Stern Root Anchor®

- Resilient precision attachment
- Intraradicular ball and socket joint
- Universal hinge
- Nylon male, titanium female
- Three color coded males for three levels of retention (lightest to strongest): white, orange, grey
- Standard and mini size
- Black collar males used with standard females
- White collar males used with mini females

Fixation

Male — polymerized into denture acrylic

Female — cemented directly into root preparation

Minimum Space Required Definitions of Dimensions, page 1.2-3

	Height	FC Width	Prep Depth	RC Width
Standard Anchor	3.3mm†	4.7mm	7.0mm	5.5mm
Mini Anchor	3.3mm†	3.2mm	4.0mm	5.5mm

†Add 1.0mm for patients with habitually strong bite.



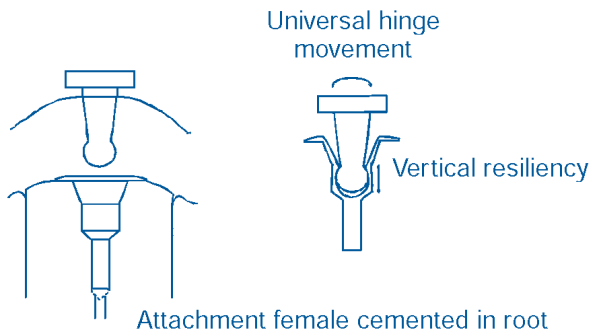
Male



Mini Female



Standard Female



Stern Root Anchor® Kits

5 Root Kit

5 females, 10 standard retention males, 5 transfer males, 5 caps, and choice of bur: One Step-Drill, Right Angle Diamond Bur or Friction Grip Diamond Bur.

	For Standard Female	For Mini Female
With One-Step Drill	833021	833031
With Right Angle Diamond Bur	833015	833025
With Friction Grip Diamond Bur	833020	833030

5 Root Refill Kit

5 females, 10 standard retention males, 5 transfer males, 5 caps, no bur

	For Standard Female	For Mini Female
5 Root Refill kit	833080	833085

10 Root Kit

10 females, 20 standard retention males, 10 transfer males, 10 caps, and choice of bur: One Step-Drill, Right Angle Diamond Bur or Friction Grip Diamond Bur

	For Standard Female	For Mini Female
With One-Step Drill	833041	833051
With Right Angle Diamond Bur	833035	833045
With Friction Grip Diamond Bur	833040	833050

10 Root Refill Kit

10 females, 20 standard retention males, 10 transfer males, 10 caps, no bur

	For Standard Female	For Mini Female
10 Root Refill Kit	833090	833095

10 Root Split Kit

5 standard females, 5 mini females, 10 standard retention males and 5 transfer males for standard size females, 10 standard retention males and 5 transfer males for mini size females, 10 caps, and choice of: One Step-Drill, Right Angle Diamond Bur or Friction Grip Diamond Bur

Item	Number
With One-Step Drills	833068
With Right Angle Diamond Burs	833066
With Friction Grip Diamond Burs	833067



5 Root Kit (# 833030)

Overdenture Attachments

Stern Root Anchor®

Stern Root Anchor® Males

	For Standard Female <i>black collar</i>	For Mini Female <i>white collar</i>
Standard White Males, 5	833140	833240
Oversized Orange Males, 5	833150	833250
Extra Oversized Grey Males, 5	833151	833251
Transfer Blue Males, 5	833145	833245



Standard Transfer Male

Stern Root Anchor® Drills & Burs

	For Standard Female	For Mini Female
One-Step Right Angle Drill	833111	833121
Latch Right Angle Diamond Bur	833105	833115
Friction Grip Diamond Bur	833110	833120



Mini Oversized Orange Male

Item	Number
Standard Female	833125
Mini Female	833130
Caps, 5	833155
Female Replicas, 5	833160
Laboratory Spacers, 5	833170



Standard



Mini
One-Step Drill



Standard Extra Oversized Grey Male



Standard



Standard



Mini



Mini

Latch Right Angle Diamond Bur

Friction Grip Diamond Bur

Gelato Home-Care 0.4% Stannous Fluoride Gel

Stern 0.4% Stannous Peppermint Flavored Fluoride Gel is an effective aid for caries prevention. We suggest daily home use by overdenture patients to protect abutments roots from caries.

4.3 oz. 833180



Bar Attachments

Bars splint two or more abutments and provide the option of attachment retention to a removable prosthesis. The abutment can be a prepared tooth with a cemented crown retainer, an endodontically treated root with a cast post and coping

retainer, or it may be an artificial abutment supported by an osseointegrated dental implant. Attachment function can be rigid or resilient, depending on the bar chosen and on the case design.

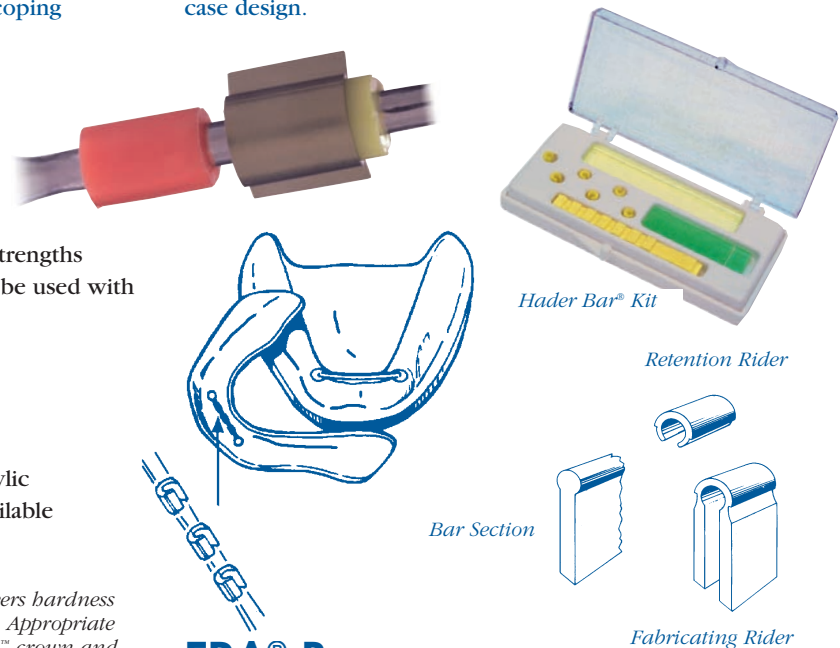
Hader Bar®

- Semi-precision bar attachment
- Hinging movement
- Plastic bar pattern, nylon riders
- Mechanical snap retention
- Three color coded riders for three retentive strengths (lightest to strongest): white, yellow, red. Can be used with or without the Hader metal housing.
- Optional adjustable gold alloy rider

Fixation

- Bar — pattern cast as part of retainer castings
- Nylon rider — retained in processed denture acrylic socket, optional metal housing available
- Gold rider — polymerized into denture acrylic

Cast the bar pattern using alloys with a minimum Vickers hardness of 200 and at least 95,000 psi ultimate tensile strength. Appropriate choices are Pegasus™ ceramic alloy and Sterngold® 100™ crown and bridge alloy for yellow gold castings.



Minimum Space Required Definitions of Dimensions, page 1.2-3

	Height	FC Width	FC Height	RC Width
Nylon Rider	4.5mm†	1.8mm	2.5mm	5.0mm
Gold Rider	4.5mm†	1.8mm	2.5mm	5.0mm

†Add 1.0mm for patients with habitually strong bites.
 Hader Housing dimensions:
 Thickness, 0.3mm
 Width (wing edge to wing edge), 5.0mm
 Length, 5.0mm

ERA® Bar

As with all ERA® attachments, these feature a black fabrication male with built-in spacer and there are six colored coded males for a consistent level of retention over the life of the attachment. Optional Micro ERA® metal jacket holds the attachment male securely in the denture base and comes preloaded with the black fabrication male. Males are changed without the use of auto polymerizing acrylic. A new addition is the Micro ERA®-DE Weldable which can be welded off the end of a bar.

Micro ERA® Bar female-weldable (Stainless Steel)	811217
Micro ERA® Bar female-weldable (Titanium)	811218
Micro ERA® female-Drill and Tap (Titanium)	811219
ERA® Bar Drill	811221
ERA® Bar Tap	811222
Micro ERA®-DE female-weldable (Titanium)	811607
ERA®-RV DE female-weldable (Titanium)	811608

Minimum Space Required

Height+	FC Width	FC Height	RC Width
+6mm	3.5mm	4.4mm	5.4mm

†Add 1.0mm for patients with habitually strong bites.



Hader Bar® Impression Coping



Hader Clip



Hader Bar® Processing Jig



Metal Housing

Item	Number
Hader Bar® Kit 2 bars, 6 yellow riders, 6 fabricating riders, 1 seating tool	810001
Nylon Retention Riders, White, 6	810003
Nylon Retention Riders, Yellow, 6	810005
Nylon Retention Riders, Red, 6	810007
Fabricating Riders, 6	810010
Metal Housings, 6	810058
Bars Only, 6	810015
Seating Tool	810025
Gold Alloy Rider (Elitor) rider with spacer	801364
Hader Bar® Processing Jig	810013
Hader Bar® Impression Coping	810017

ERA® Bar Drill



ERA® Bar Tap

Micro ERA®
Drill and Tap

Micro ERA® Bar female-weldable



ERA®-RV DE
female-weldable

Micro ERA®-DE
female-weldable



NEW



See page 1.13 for complimentary products.

Bar Attachments

Dolder Bar®

- Precision bar attachment
- Rigid bar unit or resilient, hinging bar joint
- Gold alloy (Elitor) bar and channel
- Adjustable retention
- Two bar cross section designs: parallel walls for rigid unit or gingival taper for resilient joint
- Small and large cross sectional sizes
- 25mm and 50mm lengths

Fixation

Bar — soldered to retainer castings. If the retainers are porcelain-metal crowns, solder the bar after ceramic firing.
 Channel — polymerized into denture acrylic

Rigid Dolder Bar® and Channel



Resilient Dolder Bar® and Channel

Minimum Space Required Definitions of Dimensions, page 1.2-3

	Height	FC Width	FC Height	RC Width
Small Unit	4.0mm†	1.6mm	2.3mm	5.5mm
Small Joint	4.7mm†	1.6mm	2.3mm	5.5mm
Large Unit	4.7mm†	2.2mm	3.0mm	6.5mm
Large Joint	5.7mm†	2.2mm	3.0mm	6.5mm

†Add 1.0mm for patients with habitually strong bites.

Rigid Dolder Bar® and Channel

	Small	Large
25mm length	801321	N/A
50mm length	801322	N/A

Rigid Bar only

	Small	Large
25mm length	801327	801344
50mm length	801328	801345

Channel only

	Small	Large
25mm length	801333	801350
50mm length	801334	801351

Resilient Dolder Bar® and Channel

	Small	Large
25mm length	801324	N/A
50mm length	801325	N/A

Resilient Bar Only

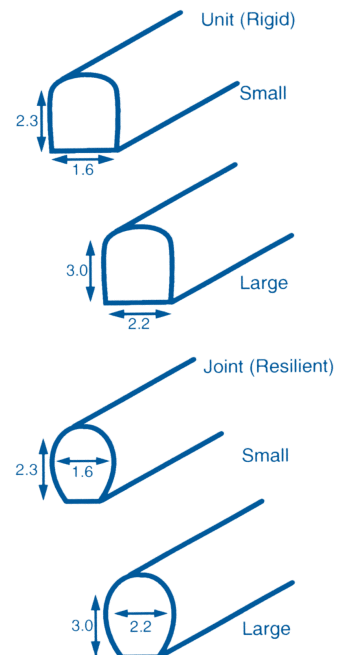
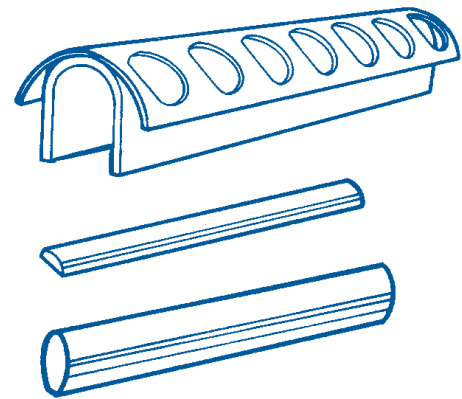
	Small	Large
25mm length	801330	N/A
50mm length	801331	N/A

Channel only

	Small	Large
25mm length	801333	801350
50mm length	801334	801351

Paralleling Mandrel	801335	N/A
Processing Jig	801337	N/A

* Not available in some countries

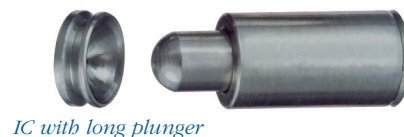


Supplemental Attachments

Unique attachments for specialized applications

IC Plunger

- Precision spring operated plunger attachment
- Limited vertical resiliency and hinge movement for removable partial dentures
- All stainless steel
- Does not require an abutment crown
- Two sizes: anterior (small) and posterior (large)
- Long plunger versions for deeply undercut crown contours



IC with long plunger



IC with short plunger

Fixation

Male — plunger and spring unit — polymerized into denture acrylic

Female — cemented into proximal surface of abutment tooth

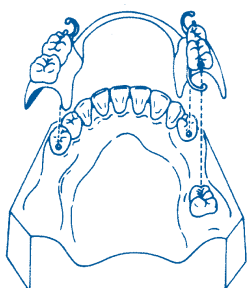
Minimum Space Required

	Height	FC Width	Prep Depth	RC Width	RC Length*
Anterior					
Short	4.0mm†	2.0mm	0.8mm	4.0mm	6.0mm
Long	4.0mm†	2.0mm	0.8mm	4.0mm	6.5mm
Posterior					
Short	4.5mm†	2.5mm	0.9mm	4.5mm	7.0mm
Long	4.5mm†	2.5mm	0.9mm	4.5mm	7.5mm

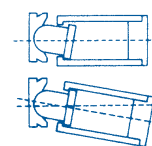
†Add 1.0mm for patients with habitually strong bites.

*Removable Component length is measured from the tip of the pawl to the end of the housing plus 1mm.

Item	Number
IC Anterior	806001
IC Anterior with Long Plunger	806005
Female, Anterior	806007
Male, Anterior	806008
Male, Anterior with Long Plunger	806009
IC Posterior	806010
IC Posterior with Long Plunger	806015
Female, Posterior	806016
Male, Posterior	806017
Male, Posterior with Long Plunger	806014



FOR FREE END OR BOUNDED PARTIAL DENTURES



FUNCTION



MALE

FEMALE

*Not available in some countries

Supplemental Attachments

Tube and Screw (Cap Screw)

- Precision screw, collar and threaded tube
- Rigidly connects primary and secondary telescoping castings
- Gold alloy tube (Ceramicor), collar (Ceramicor), and screw (OSV)
- Screw connections are used in dentist removable fixed partial dentures, case designs which accommodate non-parallel abutments, and implant restoration.
- The threaded tube is in the cemented primary casting. The collar is in the removable secondary casting and provides a precision seat for the head of the screw. The screw holds the primary and secondary castings together.



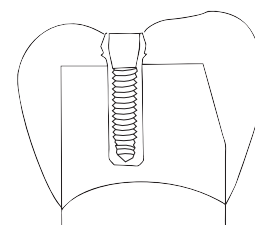
Tube and Screw

Fixation

Tube — fixed component, cast to with most precious alloys
 Collar — removable component, cast to with most precious alloys

Minimum Space Required Definitions of Dimensions, page 1.2-3

	Height	Prep Depth	FC Width	RC Width
1.2mm diam.				
Short	4.2mm	2.8mm	2.8mm	3.3mm
Long	6.2mm	4.8mm	2.8mm	3.3mm
1.4mm diam.				
Short	5.2mm	3.4mm	3.0mm	3.7mm
Long	7.1mm	5.4mm	3.0mm	3.7mm



	Short	Long
Tube and Screw complete attachment		

(Fixing pin included)

1.2mm diam.	N/A	801598
1.2mm diam.	801597	N/A
1.4mm diam.	N/A	801599
1.4mm diam.	801601	N/A

Screw, long

1.2mm diam.	N/A	801603
1.4mm diam.	N/A	801605

Screw, short

1.2mm diam.	801604	N/A
1.4mm diam.	801606	N/A

Tube, long

1.2mm diam.	N/A	801608
1.4mm diam.	N/A	801610

Tube, short

1.2mm diam.	801609	N/A
1.4mm diam.	801611	N/A

Fixing Pin

1.2mm diam.	801582	N/A
1.4mm diam.	801583	N/A

Collar

1.2mm diam.	801574	N/A
1.4mm diam.	801575	N/A

Tap

1.2mm diam.	801626	N/A
1.4mm diam.	801564	N/A
Tap holder	801557	N/A

Hex Key 801614

Locking Screw (Pin Screw)

The Locking Screw is a short threaded hex screw. It is mounted horizontally in the secondary crown. A dimple is made in the primary crown into which the Locking Screw is engaged, thus locking the secondary crown on the primary crown.

Locking Screw

For locking crowns to understructures
 1.6mm 801596

Locking Screw Tap

1.6 mm 801553
Used for 1.6mm Locking Screw

Locking Screw Twist Drill

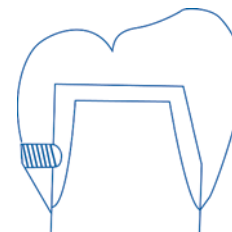
1.4 mm 801778
Used with 1.6mm Locking Screw

Locking Screw Center Drill

1.4 mm 801630
Used for 1.6mm Locking Screw



Locking Screw



Attachment Fabrication Supplies

Master Endopost Kit



Master Endopost Kit

Economical plastic post patterns in two sizes for cast post and core build-ups, and for root cap copings. The kit includes tapered sizing drills for post site preparation, impression transfer posts, and burnout patterns. Precision made in Austria by Hader.

Dimensions

	Length	Occlusal diam.	Apical diam.
Small post	10.6mm	1.20mm	0.55mm
Large post	12.0mm	1.65mm	0.75mm

Master Kit 810030
Small drill, large drill, and 25 each of large transfer post, large post pattern, small transfer post, and small post pattern

Laboratory Post Kit 810035
50 each of large and small post burnout patterns

Liquid Sizing Graphite



Thermal stress caused by casting against an intracoronary attachment's precision female, or oxide formation during porcelain firing, can cause the attachment to tighten slightly. Finely abrasive Liquid Sizing Graphite perfects the fit by removing small irregularities. Apply a film of paste. Then seat and separate the attachment components several times. For laboratory use only; do not use intraorally.

Number 801656

Stern Attachment Gauge



Available space is a primary limitation on your attachment choices. The Attachment Gauge helps you make case design systematic by measuring the attachment site and eliminating overly large attachments from consideration. Its steps measure study casts for occlusogingival space in 1mm increments. Made of gold plated brass with etched markings, the gauge can be disinfected, or even autoclaved.

Number 812018

ERA PickUp®
 Tissue-colored, self-curing attachment processing material

Advantages

- Odorless
- Low curing temperature
- Tasteless
- Less than 1 percent shrinkage resulting in a more accurate and complete pickup of the attachment.
- When used with the ERA® Implant System, it will not irritate freshly sutured tissue like methyl methacrylate will.



Item	Number
ERA PickUp® Syringe and Tips <i>1 syringe @ 15 grams and 15 tips</i>	220235
ERA PickUp® Syringe, Tips & SternVantage® Varnish LC <i>1 syringe @ 15 grams, 15 tips and 1 bottle of 5 ml Varnish LC</i>	220237
ERA PickUp® Tips <i>15 tips</i>	220233
SternVantage® Varnish LC <i>30 ml bottle</i>	221001

ERA PickUp® will only chemically bond to acrylic if a primer is used. Use SternVantage® Varnish LC as a primer for acrylic.

Rubber Sep



Rubber Sep is a latex rubber blackout material. Applied in a thin layer, it protects precision attachments during acrylic processing of partial dentures and overdentures. It is also useful as a die spacer in the fabrication of acrylic temporary crowns.

Number 812045

Fiberglass Polishing Brush



Conventional polishing techniques will destroy a precision attachment's fit, but you can safely create a satin finish with a few strokes of the Fiberglass Polishing Brush. It removes oxides and discoloration without removing dangerous amounts of metal. A control knob at the end of the brush lets you adjust its stiffness by changing the length of its soft glass bristles. Worn bristles are easily replaced with a brush refill.

Item	Number
Fiberglass Brush	801660
Brush Refills, 12	801665

Indelible Pens



The best fiber tip marking pens we have ever used. They are perfect for marking casts in the laboratory. Truly indelible, you can even use them to label plastic case pans and porcelain trays.

Item	Number
Assorted, 4	812015
Blue, 4	812016

Equipment and Consumables

SternTek® Light Box w/ Timer

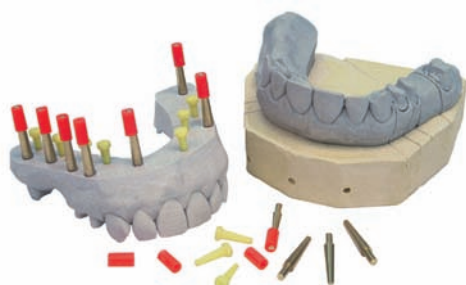
A light-polymerization unit using the combination of UVA and blue light universal field operation



Advantages

- Blue light and UVA rays are emitted
- Glare protection when chamber is closed
- High light intensity
- Short curing times for custom trays or coating of denture bases
- Operating life for light tubes - 1,000 hours

	Item	Number
	SternTek® Light Box w/timer	222009
	Light Bulb - Blue	222007
	Light Bulb - UV	222008



Tapered Dowel Index (TDI) System

The TDI system gives you accurate, stable, double doweled dies for your crown and bridge models at an economical price. The concept is simple and the process is quick and easy. Just drill two holes in the die's bottom with your parallel pin spotter. Cement a standard brass die pin in one hole and slip a red friction sleeve on its tip. Then place (without cement) one of our styrene plastic, tapered dowels in the other hole. Now paint the die stone with a good separating medium and pour the model base. That's it!

	Item	Number
	Brass Dowel Pins, Smooth <i>For cementation into pre-drilled dowel pin sites</i> 1000 per bag	3499997
	Brass Dowel Pins, Knurled <i>For placement in unset stone</i> 1000 per bag	3499999
	TDI Styrene Dowel Pins 1000 per bag	3340108
	Red Friction Sleeves 1000 per bag	3340104
	Blue Friction Sleeves 1000 per bag	3340109
	Instaset Cyanoacrylate Cement	3707790
	Model Base Formers, Full arch	3340130
	Model Base Formers, Quadrant	3340131

Procedure Manual CD

The Sterngold® Procedure Manual is a standard reference in attachment dentistry. It is filled with information essential for attachment restoration work. Dentists and dental technicians are both aided in successful case design and construction. Each attachment is addressed individually by citing appropriate applications and giving detailed, step-by-step fabrication instructions. Consider this to be your CD-Cookbook of Attachments and buy one today.

Number 816001 - CD



Blaster/Pencil Complete Model 2100

The only self-contained vacuum cabinet for air abrasive blasting which has no motor and no motor bearings to wear and burn out. Instead, the cabinet connects to your laboratory's compressed air supply. A Venturi device with no moving parts, and double air filtration, generates a vacuum and exhausts clean air. The system is complete with air filter, regulator, and one foot control which operates the Venturi suction, 3 pr gloves 1 ea. of sm, med, and lg, and both pencils. Dimensions 15" Wide X 24" Deep X 17" Tall. Unit weighs 32.5 pounds

Number 2102246

Ceramic Tip



Ceramic-lined replacement tip for the Micro Pencil air abrasive blaster. Used with virgin aluminum oxide to prepare ceramic alloys for porcelain application.

Number 7102010

Carbide Tip



Carbide-lined replacement tip for the Micro Pencil air abrasive blaster. Used with recycling abrasive to remove investment from castings because it is more wear resistant than ceramic lined tips.

Number 7102251

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