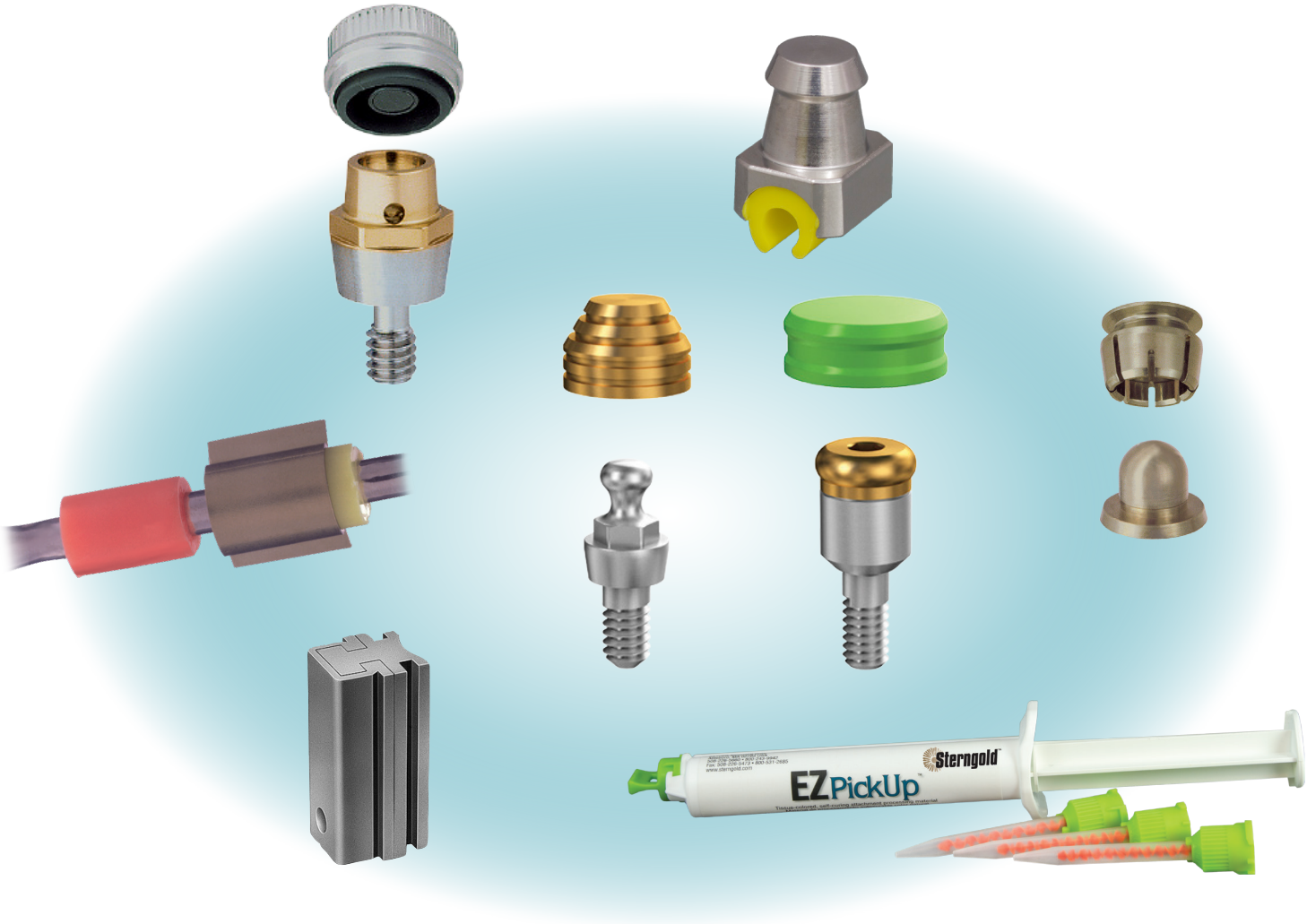
Sterngold | DENTAL ATTACHMENTS

Product Catalog



800-243-9942
www.sterngold.com

Sterngold™ REMOVABLE SOLUTIONS

Dental Attachments

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

	Melting Range	
Attachment Components	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

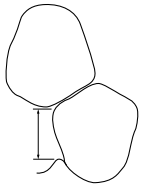
- For root cap coping (influences Height), 0.5mm
- Between a box preparation axial wall and a metal intracoronal precision attachment female (influences Prep Depth), 0.4mm

Solder thickness *(influences Height), 0.3mm*

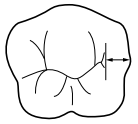
Note: *At least 0.5mm of casting alloy must separate the attachment female from a porcelain fused to metal veneer.*

Definitions of Dimensions

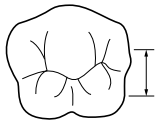
Partial Denture Attachments



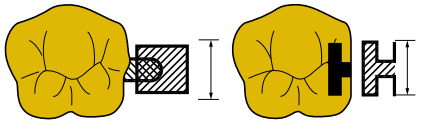
Height
Minimum required distance from the papilla to the opposing occlusal surface.



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

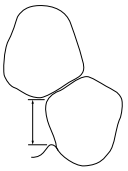


FC Width *Fixed Component of the attachment*
Minimum faciolingual space necessary for the fixed attachment component.

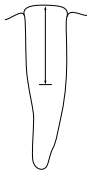


RC Width *Removable Component of the attachment*
Minimum faciolingual space required in the prosthesis for the removable attachment component.

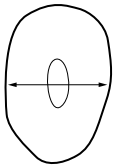
Overdenture Attachments



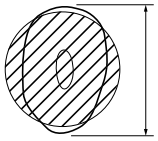
Height
Minimum required distance from the surface of the prepared abutment root to the opposing occlusal surface.



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



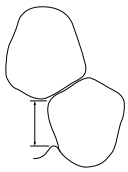
FC Width *Fixed Component of the attachment*
Minimum diameter of the space required for the fixed attachment component. Measure the smallest diameter of the root surface.



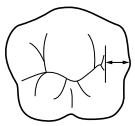
RC Width *Removable Component of the attachment*
Minimum diameter of the space needed in the prosthesis for the removable attachment component.

Definitions of Dimensions

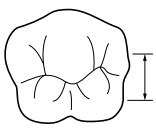
Segmenting Attachments



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.

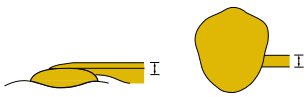


Width
Minimum faciolingual space necessary for the attachment.

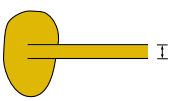
RPD Height *Removable Partial Denture*
Minimum required distance from the papilla to the opposing occlusal surface when the attachment is later converted to a removable partial denture retainer.

Bar Attachments

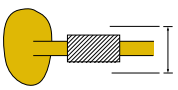
Height
Minimum required distance from the surface of the prepared abutment root to the opposing occlusal surface.



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.

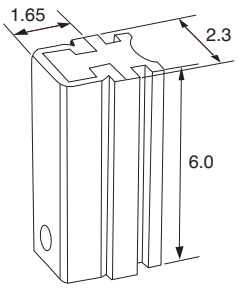
Stern Latch®

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

Paralleling Mandrel

Transfer Jig

Stern Latch



Male

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 simply 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® Attachment	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.

G/L Adjusting Tools

Item	Number
.070 G/L ESI Replacement Male	802803
Attachment Measuring Guage	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

Left

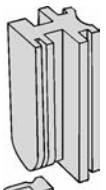
Right

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.*

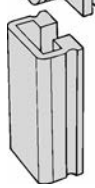
C&M McCollum

Indications

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



Male



Female

Fixation

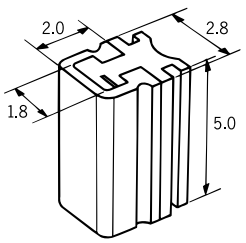
Male — soldered, electro or laser welded, or cast directly against with any precious alloy (not non-precious)

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.*

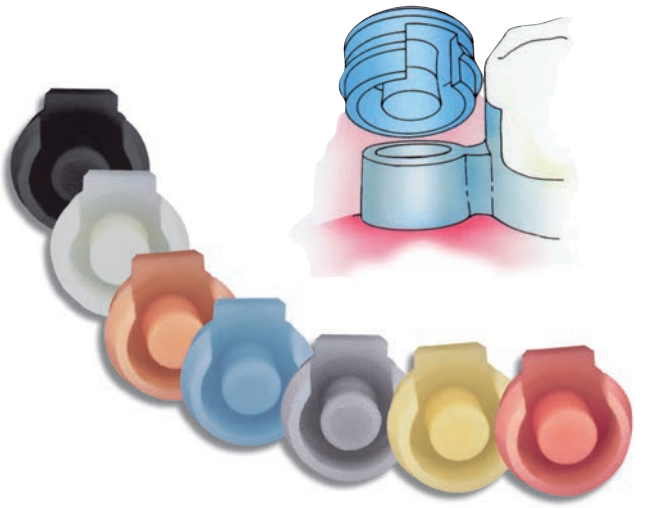


Item	Number
C&M McCollum Left slot	050190
C&M McCollum Right slot	051269
Female	050157
Male Left	050160
Male Right	051408
Paralleling Mandrel	070115

** 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.



White, Orange, Blue, Grey, Yellow, Red

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.

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.

Paralleling Mandrel

Partial Denture Processing Jig

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.

ERA®–RV Metal Jacket

ERA® Attachment Extraction Tool

Core Cutter

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.

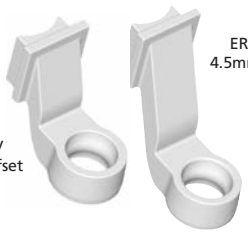
Seating Tool

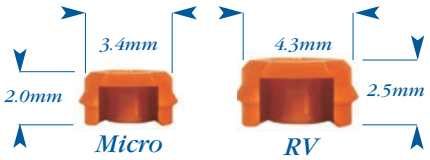
ERA®-RV Micro ERA® Impression Copings

Resilient Attachments for Removable Partial Dentures


Micro ERA® Female
ERA®-RV Female


NEW
Micro ERA®-DE Female - cast-to
ERA®-RV DE Female - cast-to


ERA®-RV 2.5mm Offset
ERA®-RV 4.5mm Offset



The Micro ERA® Attachment

is 20% smaller than the ERA®-RV, making it the smallest extracoronal resilient attachment in the world.

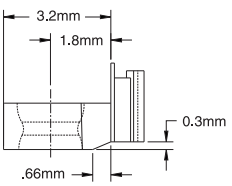
(only 2mm tall and 3.4mm wide)


Micro ERA® Partial Metal Jacket

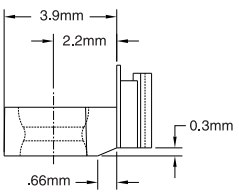

ERA®-RV Metal Jacket


ERA®-RV Impression Copings
Micro ERA® Impression Copings

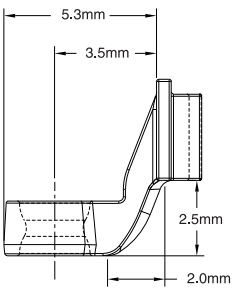
	ERA-RV (standard)	Micro ERA®
ERA® Starter Kit	811105	811011
2 attachments, 2 metal jackets, 2 processing jigs, 1 core cutter bur, 1 seating tool, and 1 paralleling mandrel		
ERA® Complete Attachment		
1 female, 2 black males, 2 white males, 1 orange male		
ERA®-RV/Micro ERA®	811115	811012
ERA®-RV Offset 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
1 ea. black, white, orange, blue, grey, yellow, and red		
ERA® Components		
ERA® Metal Jacket *with fabrication male*	811168	811021
Laboratory Tool Kit *Core cutter bur, seating tool and paralleling mandrel*	811200	811025
Dentist Tool Kit *Core cutter bur and seating tool*	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



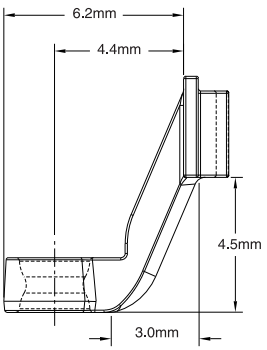
Micro ERA® Female



ERA®-RV Female



ERA®-RV Offset 2.5



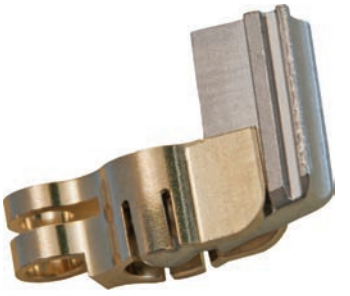
ERA®-RV Offset 4.5

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.

Standard Unilateral Dalbo



Mini Unilateral Dalbo

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

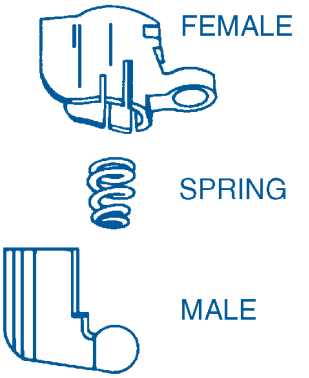
(Elitor females and Ceramicor males)

Item	Number
Standard Unilateral Dalbo	051244
Standard Unilateral Female with spring	051513
Standard Unilateral Male	051243
Mini Unilateral Dalbo	050701
Mini Unilateral Female	050697
Mini Unilateral Male	050960

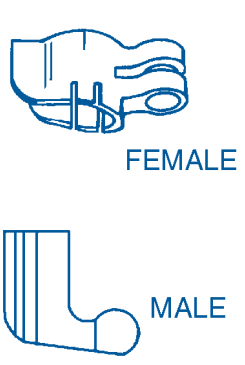
Components

Item	Number
Mini Processing Jig	070176
Standard Processing Jig	070174
Paralleling Mandrel	070146
Standard Fabricating Plug	070149
Standard Coil Springs, 6	051143

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 (Ceramicor) 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.

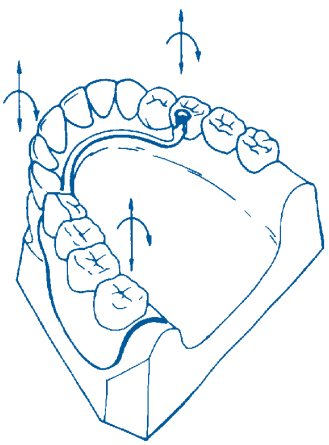
Fixation

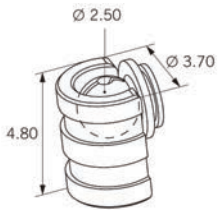
Male — soldered to removable partial denture framework
Female — soldered, or cast to with most precious alloys

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
Roach Ball Joint c/c Complete	050637
Female	050627
Roach Male Part "C"	050628
Paralleling Mandrel	070121
Conod Activator 031.01.25	070196
Roach Parallelometer Insert for Male	070145





Resilient Attachments for Removable Partial Dentures

Hader Vertical Kit

Hader Vertical

- Extracoronal 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

Hader Vertical Clips

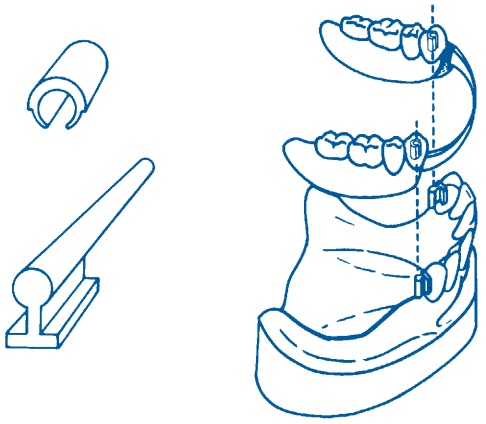
Fixation

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

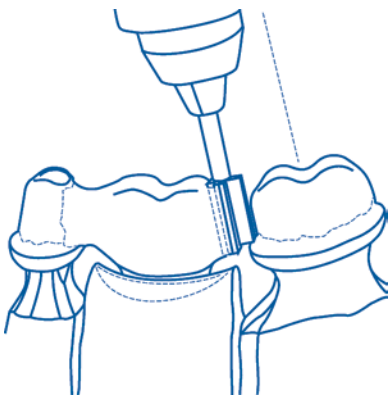
Cast plastic components using alloys with a minimum Vickers hardness of 200 and at least 85,000 psi ultimate tensile strength. Appropriate choices are Pegasus ceramic alloy and Sterngold 100 crown and bridge alloy for yellow gold castings.

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

Plastic Dovetail



Tube Lock

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

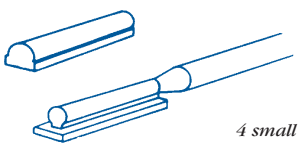
Fixation

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 *4 small and 2 large attachments with ceramic rods, 1 small reamer, 1 large reamer, 1 small mandrel and 1 large mandrel*	821001

Small Tube Lock

Item	Number
Small Tube Lock *2 attachments per pkg. with ceramic rods*	821005
Small Tube Lock *2 attachments per pkg. without ceramic rods*	821030
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 *2 attachments per pkg. with ceramic rods*	821010
Large Tube Lock *2 attachments per pkg. without ceramic rods*	821065
Females, 4	821080
Males, 4	821075
Ceramic Rods, 4	821070
Paralleling Mandrel	821050
Carbide Bur	821055
Reamer	821060

SFI-Bar®

Stress-free bar for removable implant-borne restorations
(StressFree-Implant Bar)

Features

- Tension free, excellent and stable fit of the bar on the implants
- Indicated for immediate loading
- Simply ingenious, thanks to the telescope-like connection and the individual shortening
- Possible to fit the SFI-Bar® directly in the mouth (without cutting work)

Technical Advantages

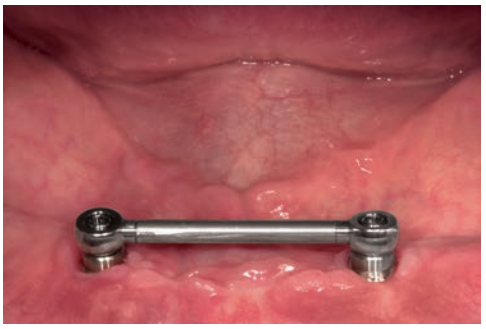
- No time-consuming and technique-sensitive connecting procedures such as soldering, laserwelding, casting or scanning: saving in time and reduction in costs
- 2 new female part designs with many advantages:
- Female part asymmetrical (E) in Elitor® (gold alloy): milled, increases stability, requires minimum space for integration into the restoration ensuring improved aesthetics, various activation options
- Female part (T) in pure titanium: with replaceable retention inserts
- Compensates for transfer inaccuracies impression – model – mouth

Clinical Advantages

- Safety for patients through the «snap-effect»
- SFI-Bar® 2-Implant and 4-Implant, upgradable to 3, 5 and 6 implants
- Compensation of implant divergences between 2 implants up to 30°
- All the materials used have undergone biological tests.

Indications

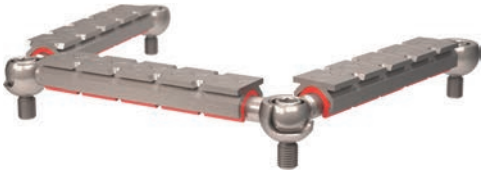
The SFI-Bar® is intended to be used with the implant manufacturer's implant to provide support for fixation of overdentures.



SFI-Bar® female part asymmetrical E requires minimum space for integration!

SFI-Bar® female part T with replaceable retention inserts G

SFI-Bar® 2-Implant



SFI-Bar® 4-Implant

SFI-Bar®

Description of the components and materials

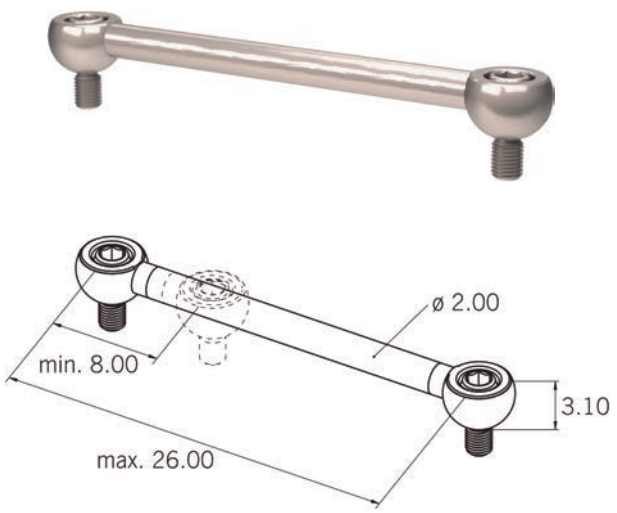
Two new, ingenious female part designs with patent pending! The milled female part asymmetrical E in Elitor® is manufactured from a high-quality, tough, yellow precious metal alloy. The asymmetrical design of the retention for the denture acrylic allows customized, space-saving placement on the bar male part that is perfect for the aesthetics. A maximum of 12 x 3.5 mm long retention inserts can be placed on the female part T in pure titanium. Guide grooves every 3.5 mm allow the female part to be easily shortened and customized. Three levels of retention are available that can be used in different sections of the female part to allow highly flexible regulation of the denture retention.

The products carry the CE sign. See packaging for details.

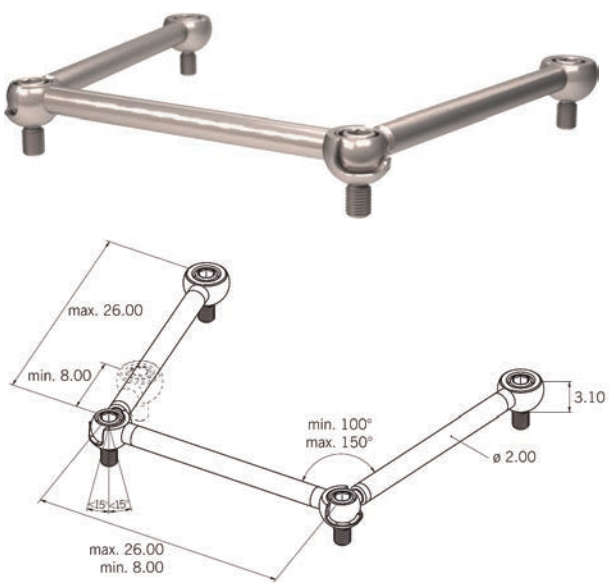
Description of the different versions

The SFI-Bar® 2-Implant and 4-Implant are the standard versions. These can be upgraded with the SFI-Bar® Add-on Kit (Order No. 0500 0668) to solutions for 3, 5 and 6 implants. The Implant span may range from a minimum of 8 mm (tube bar length 2 mm) to a maximum of 26 mm (tube bar length 20 mm). It can be taken intraorally or on the model with the tube bar gauge (Order No. 0700 0053). This instrument can also be used as a holder when shortening the tube bar – ingeniously simple!

SFI-Bar® 2-Implant with tube bar that can be shortened as required

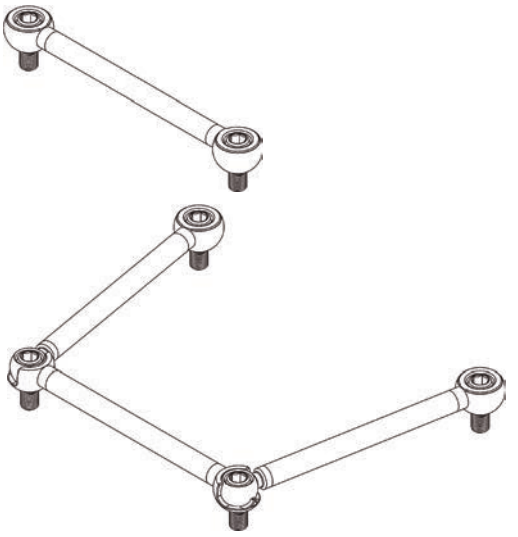


SFI-Bar® 4-implant with tube bar that can be shortened as required



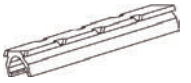
SFI-Bar®

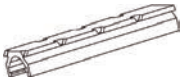
SFI-Bar	Item Number
2-Implant *Including: 2 large ball joints (0500 0383), 2 fixation screws (0500 0386), 1 tube bar (0500 0382) Without implant adapter!*	05000337
4-Implant *Including: 2 large ball joints (0500 0383), small ball joints (0500 0384), 2 half-shell balls (0500 0385), 4 fixation screws (0500 0386), 3 tube bars (0500 0382) Without implant adapter!*	05000338
Add-On Kit *Upgrade-Set, including:1 small ball joint (0500 0384),1 half shell ball (0500 0385), 1 fixation screw (0500 0386),1 tube bar (0500 0382)*	05000668
For 3 implants	05000337 + 05000668
For 5 implants	05000338 + 05000668
For 6 implants	05000338 + 2x 05000668



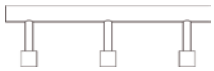
Single Parts

Female part asymetrical E L30 *For polymerization into denture resin*	05000344
Female part T complete L47.5 *For polymerization into denture resin*	05000358*
Female part housing T L47.5 *Without retention inserts! For polymerization into denture resin*	05000387
Retention inserts G	
Yellow	05000668
Red	05000389
Green	05000390
Tube bar S L20 *Can be individually shortened to a maximum of 2mm.*	05000382
Fixation screw S *For fixation of the large ball joint on the implant adapter. For fixation of the small ball joint with the half shell ball on the implant adapter.*	05000386
Large ball joint S *For SFI-Bar® 2-Implant and SFI-Bar® 4-implant*	05000383
Small ball joint S *For SFI-Bar® 4-implant application combined with half shell ball (05000385)*	05000384
Half shell ball S *For SFI-Bar® 4-implant application combined with small ball (05000384)*	05000385





SFI-Bar®

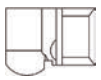


Auxilliary parts

Transfer jig L26 07000107
For master model

Auxilliary instruments

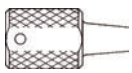
Tube bar gauge 07000106
For determining the exact length of the tube bar in the mouth. Can be used as a bracket while cutting.



Gauge aid 07000106
Replacement part for tube bar gauge

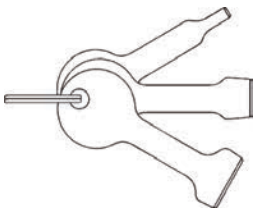
Screwdriver 07000114
For implant adapter

Hex key 07000115
For fixation screw

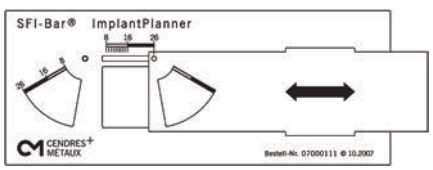


Thomas spanner key 070221
For screwdriver and hex key

Insert positioner 07000036
For insertion of the retention inserts



Activator set 070198
For female parts Elitor®



Implant Planner 07000111
For approximate planning of implant positions

Instrument set 07000108
Including: (07000114) Screwdriver, (07000115) Hex key, (070221) Thomas spanner key, (07000107) Transfer jig L26, (07000106) Tube bar gauge, (07000100) Gauge aid, (07000036) Insert positioner, (07000111) ImplantPlanner, (070347) Tweezers, (070198) Activator set, (070201) Desactivator macro, (Sample) Premium Disc No. 1, 3 pieces

Torque Wrench set 07000109
Including: Torque wrench (available in set only), (07000095) Tube Lubricant, (07000098) Dismantle Tool

Premium Disc No. 1 08000101
Package of 50 pieces

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

ERA® Overdenture Metal Jacket

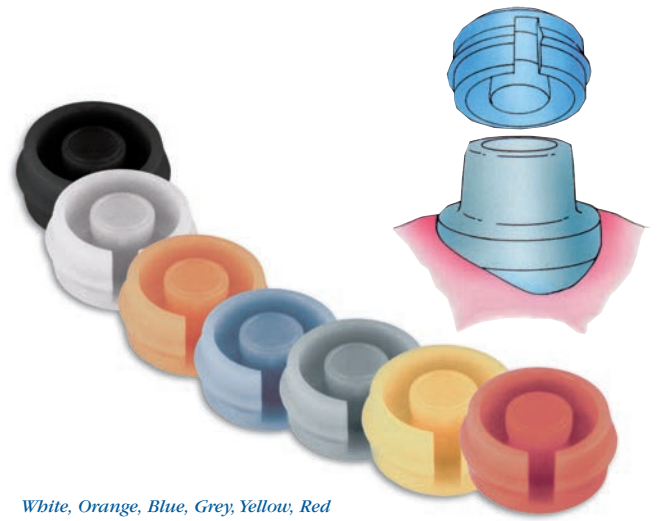
ERA® Overdenture Female

ERA® Overdenture Processing Jig

Laboratory Tool Kit

ERA® Overdenture Impression Coping

ERA® Attachment Extraction Tool



White, Orange, Blue, Grey, Yellow, Red

	Standard ERA®	Micro ERA®
ERA® Overdenture Starter Kit *2 attachments, 2 metal jackets, 2 processing jigs, 1 core cutter bur, 1 seating tool, and 1 paralleling mandrel*	811300	811045
ERA® Overdenture Attachment *1 female, 2 black males, 2 white males, 1 orange male*	811310	811044
ERA® Attachment Complete *1 each: metal jacket, white male, orange male*	811007	811008
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 *1 each: black, white, orange, blue, grey, yellow, and red*	811365	811029
ERA® Overdenture Metal Jacket *with fabrication male*	811380	811043
Laboratory Tool Kit *Core cutter bur, seating tool and paralleling mandrel*	811200	811025
Dentist Tool Kit *Core cutter bur and seating tool*	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.

Dalla Bona Cylindrical (Dalbo®-Z)

Cylindrical Rigid

Item	Number
Dalla Bona Cylindrical (Dalbo®-Z)	050398
Female	051507
Male	050272
Paralleling Mandrel	070131
Processing Jig	070157
PVC Ring	801181
Activator	070197
DeActivator	070199

Dalla Bona Spherical (Dalbo®-Classic)

Spherical Resilient

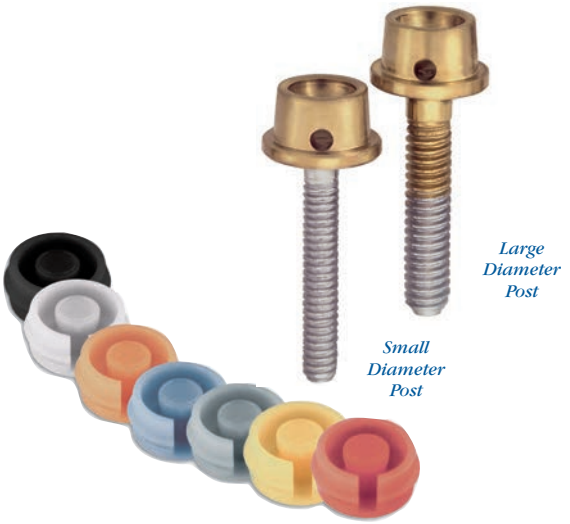
Item	Number
Dalla Bona Spherical (Dalbo®-Classic)	050427
Female	051511
Male	050423
Paralleling Mandrel	070131
Processing Jig	070157
PVC Ring	801181
Activator	070197
DeActivator	070199

** 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˚, 17˚, 23˚ and 30˚
- 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

	Standard	Standard	Micro
Post Diameter	*Small 1.3mm*	*Large 1.7mm*	*Small 1.3mm*
Post Length	*9mm*	*9mm*	*9mm*
Master Kit	811400	811402	811403
Basic Kit	811410	811412	811413
Mixed Kit	811398	811398	n/a

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.

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.

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.

ERA® Direct Master Kit #811400

Sterngold • 23 Frank Mossberg Drive • Attleboro, MA 02703 • (800)243-9942 • FAX (800)531-2685

Overdenture Attachments

ERA® Direct Overdenture Complete Attachment

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

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

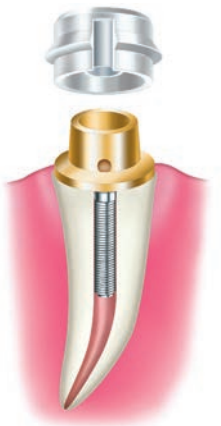
ERA® Direct Overdenture Standard Post (Large and Small)

ERA® Direct Overdenture Angled Posts

ERA® Direct Overdenture Female

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

Alignment Handle with angled post



ERA® Overdenture Males

Item	STANDARD	MICRO
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 Metal Jacket

Gutta Percha Drill, Pilot Drill, Countersink Bur

ERA® Overdenture Components

Item	STANDARD	MICRO
ERA® Overdenture Metal Jacket *with fabrication male*	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	811900	
ERA® Lock Cement Dispensing Gun	811903	
ERA® Lock Cement Automix	811917	
ERA® Lock Cement Automix Tips	811918	
ERA® Direct Overdenture Demonstration Model	811465	

ERA® Overdenture Processing Jig

ERA® Overdenture Impression Coping, Standard

Demonstration Model

ERA® Lock Cement Automix

ERA® Lock Cement

ERA® Lock Cement Dispensing Gun

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

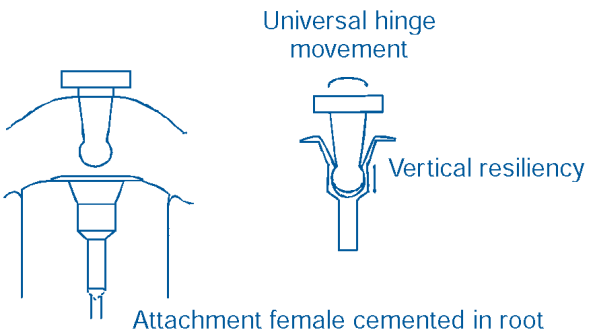
	Height	FC Width	Prep Depth	RC Width
Standard Anchor	3.3mm†	4.7mm	7.0mm	5.5mm
Mini Anchor	3.3mm†	3.2mm	4.0mm	5.5mm

†Add 1.0mm for patients with habitually strong bite.

Male

Mini Female

Standard Female



Stern Root Anchor® Kits

5 Root 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 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

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Overdenture Attachments

Stern Root Anchor®

Stern Root Anchor® Males

	For Standard Female *black collar*	For Mini Female *white collar*
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 Extra Oversized Grey Male

Standard

Mini
One-Step Drill

Standard

Mini

Latch Right Angle Diamond Bur

Standard

Mini

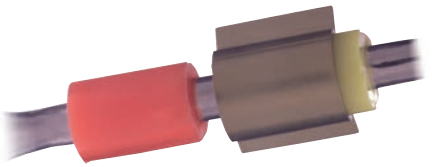
Friction Grip Diamond Bur

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

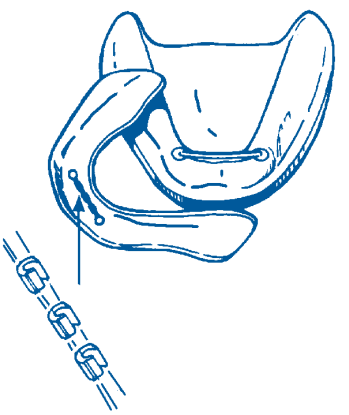
Cast the bar pattern using alloys with a minimum Vickers hardness of 200 and at least 95,000 psi ultimate tensile strength. Appropriate choices are Pegasus™ ceramic alloy and Sterngold 100™ crown and bridge alloy for yellow gold castings.

Hader Bar® Kit

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



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*	050527
Hader Bar® Processing Jig	810013
Hader Bar® Impression Coping	810017

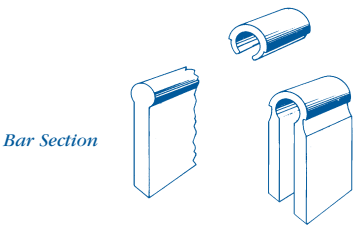
Hader Bar® Impression Coping

Hader Clip

Hader Bar® Processing Jig

Metal Housing

Retention Rider



Bar Section

Fabricating Rider

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Bar Attachments

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.

Micro ERA® Bar female-weldable

Micro ERA® Drill and Tap

Micro ERA®-DE female-weldable

ERA®-RV DE female-weldable

ERA® Bar Drill

ERA® Bar Tap

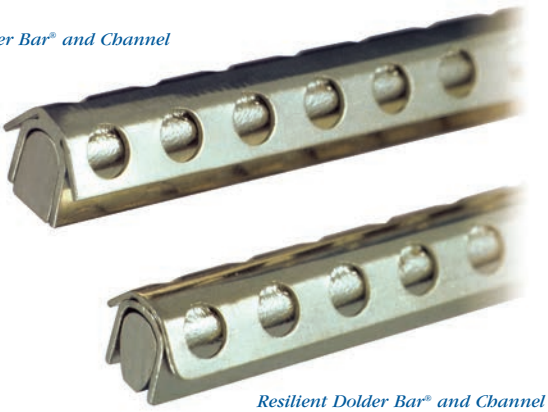
See page 1.13 for complimentary products.

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

Rigid Dolder Bar® and Channel



Resilient Dolder Bar® and Channel

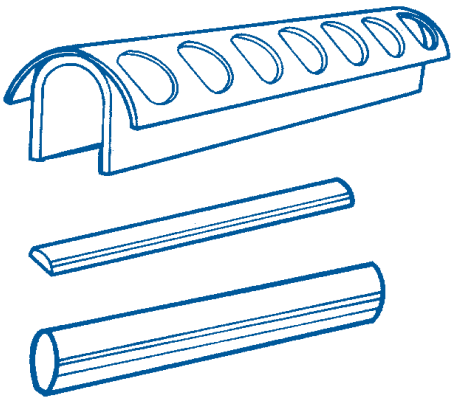
Fixation

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

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.

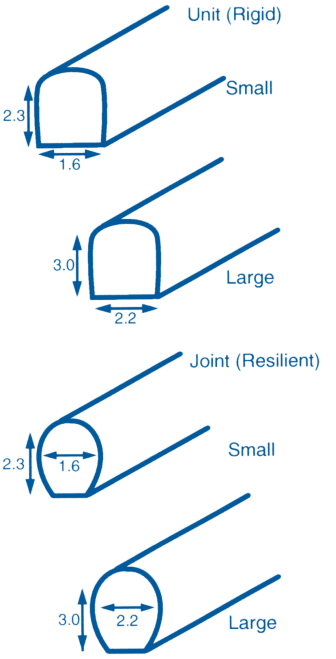


Rigid Dolder Bar® and Channel

	Small	Large
Rigid Bar only		
25mm length	05000288	055743
50mm length	05000289	052053
Channel only		
25mm length	054746	054747
50mm length	052043	052046

Resilient Dolder Bar® and Channel

	Small	Large
Resilient Bar Only		
25mm length	054749	N/A
50mm length	052057	N/A
Channel only		
25mm length	054746	054747
50mm length	052043	052046
Paralleling Mandrel	070143	N/A
Processing Jig	070157	N/A



** Not available in some countries*

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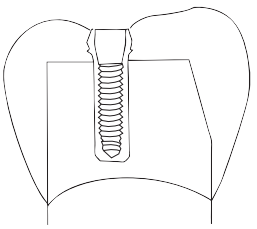
Supplemental Attachments

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
Fixing Pin		
1.2mm diam.	072439	N/A
1.4mm diam.	072440	N/A
Collar		
1.2mm diam.	051882	N/A
1.4mm diam.	051885	N/A
Tap		
1.2mm diam.	070210	N/A
1.4mm diam.	070211	N/A
Tap holder	070213	N/A

Hex Key	07000008
Starter Kit	821001
Tube Lock Small w/ Ceramic Rod (2)	821005
Tube Lock Large w/ Ceramic Rod (2)	821010
Tube Lock Small Paralleling Mandrel	821015

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	070470

Used for 1.6mm Locking Screw

Locking Screw Twist Drill

1.2 mm	801776
1.4 mm	070395

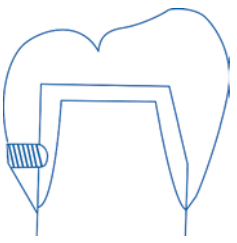
Used with 1.6mm Locking Screw

Locking Screw Center Drill

1.2 mm	801633
1.4 mm	080378

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

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

Graphite Paste 20ml

Thermal stress caused by casting against an intracoronal 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 080241

EZ 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.
- EZ PickUp® will not irritate freshly sutured tissue like methyl methacrylate will.
- Can be used with any attachment.

Item	Number
EZ PickUp® Syringe and Tips *1 syringe @ 15 grams and 15 tips*	220235
EZ PickUp® Syringe, Tips & SternVantage® Varnish LC *1 syringe @ 15 grams, 15 tips and 1 bottle of 5 ml Varnish LC*	220237
EZ PickUp® Tips *15 tips*	220233
SternVantage® Varnish LC *30 ml bottle*	221001

Rubber Sep

Rubber Sep is a latex rubber blockout 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

Sterngold Light

A light-polymerization unit used for curing a broad range of products.

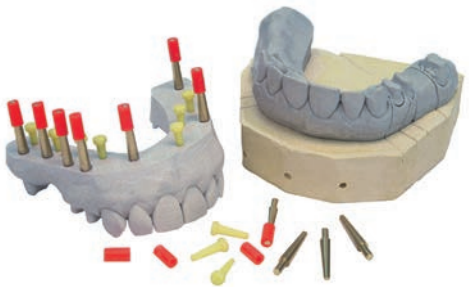
Advantages

- High light intensity
- Short curing times for custom trays or coating of denture bases

Item	Number
Sterngold Light	222034

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 *For cementation into pre-drilled dowel pin sites* *1000 per bag*	3499997
Brass Dowel Pins, Knurled *For placement in unset stone* *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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(800) 243-9942 • FAX (800) 531-2685
(508) 226-5660 • FAX (508) 226-5473

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