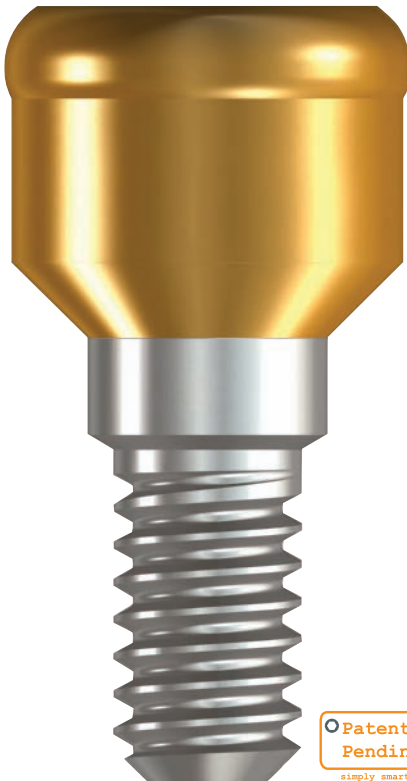




Navigate Your Success

Intelligent design that leads you through the clinical challenges of overdentures to great success



GPS™ Overdenture Attachment System

Range of options

- five collar heights (1, 2, 3, 4 or 5mm¹)
- four connections (Spectra-System[®]; industry-standard internal hex, tri-lobe or octagon)

All-in-One Packaging

- abutment
- transfer
- comfort cap
- metal housing with nylon liner
- black processing male cap
- block-out spacer

15° and 30° Angled GPS Abutments

- accommodate the highest degree of relative divergence available on the market

Advanced Interface

- compatible with common prosthetic tools for simplified insertion²
- compatible with LOCATOR[®]

Pink Anodized Metal Housing

- blends with the denture acrylic and allows you to achieve a natural profile with minimal acrylic thickness facially
- features deep grooves and flat top to increase surface area and denture engagement

Simply Smarter Components

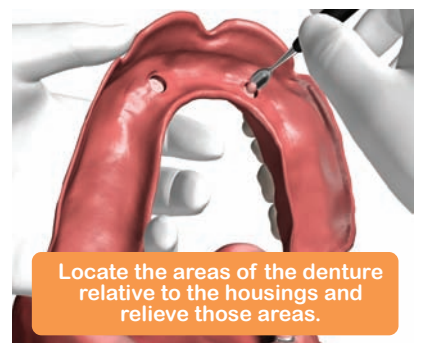
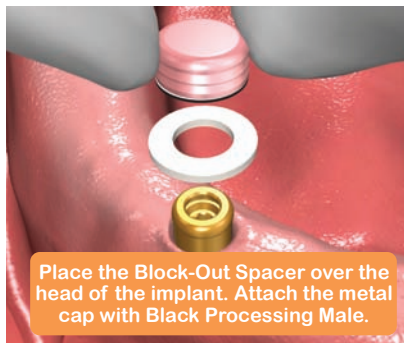
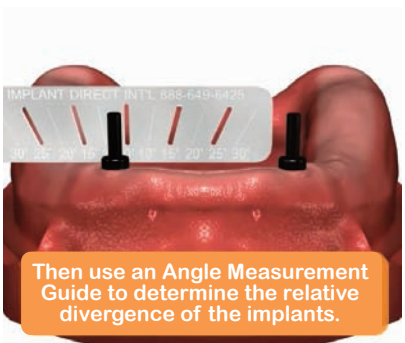
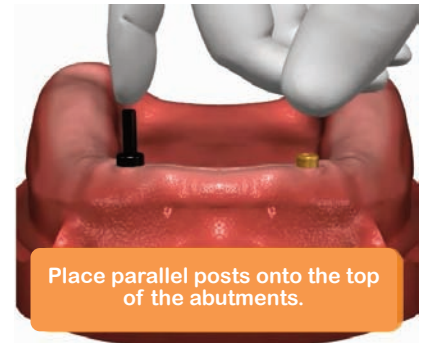
- black processing male features a high melting point for improved processing
- replacement male caps are designed for both regular and extended range

¹Options vary depending upon platform diameter.

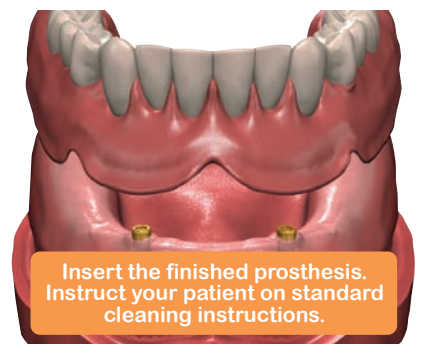
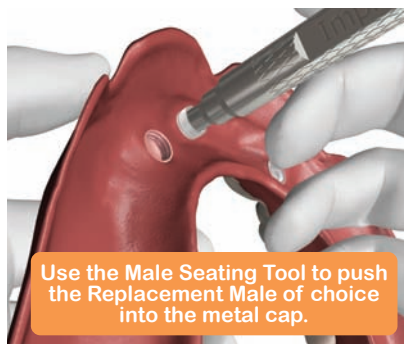
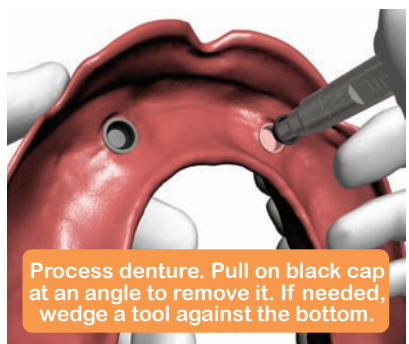
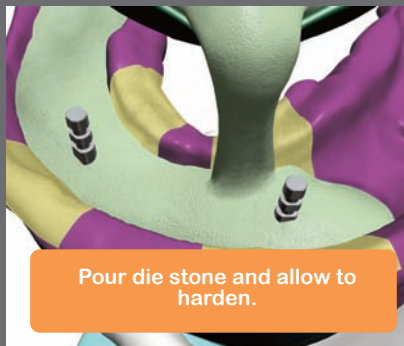
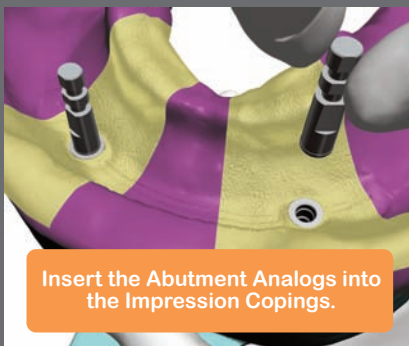
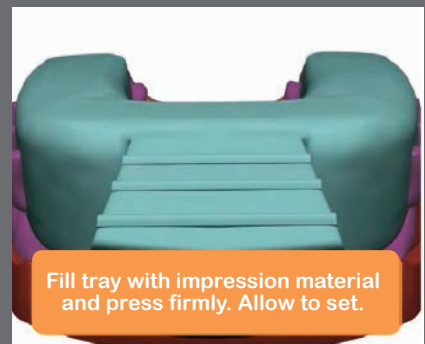
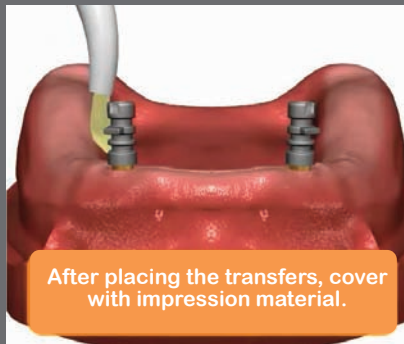
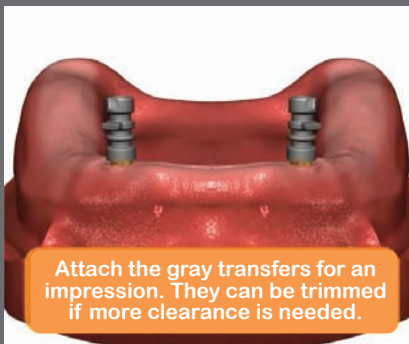
²Please see back page for details.

LOCATOR[®] is a registered trademark of Zest Anchors Company. The GPS[™] and GoDirect[™] Systems are neither authorized, endorsed, nor sponsored by Zest Anchors Company.

Protocol



Steps for Laboratory-Processed Prosthesis



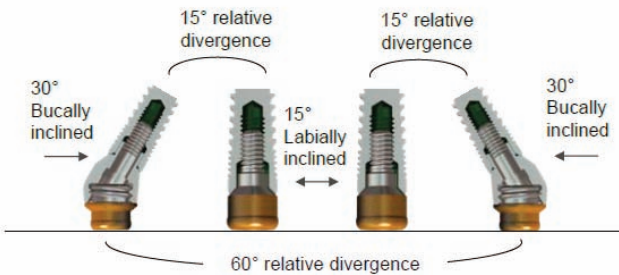
Restorative Options



The GPS overdenture attachment system includes a full-range of components including male nylon liners with various retention levels and a convenient Abutment Housing Kit for denture processing. The system also features a unique Core Tool for easy liner replacement.

Regardless of the abutment-implant connection you choose, all GPS abutments feature a profile that is compatible with LOCATOR® components.

Treatment Planning



Paralleling Pins

Sold separately
[1000-97]



Angle Measurement Guide

Sold separately
[1000-99]



Angled GPS abutments solve complex cases

Accommodating up to 90° relative divergence, GPS allows you to place multiple inclined implants. This is especially useful in the maxilla to avoid the sinus.

Additional Component Options



Abutment Processing Cap/Male Kit

Sold separately
[1000-98S]



Replacement Male Red (1.0lb)

Sold separately
[1000-92R]



Replacement Male Orange (2.0lbs)

Sold separately
[1000-92E]



Replacement Male Green (3.0lbs)

Sold separately
[1000-92G]

Necessary Tool



Core Tool

Sold separately
[1000-96]

Prosthesis Processing & Placement



Transfer



Replacement Male Clear (4.5lbs)



Black Processing Male



Comfort Cap



Silicon spacer



Metal Housing

All-in-One Packaging

Includes items for chairside processing

Rationale

Implant-Retained Overdenture vs. Complete Denture

- Preservation of residual alveolar ridge^{1,2}
- Increased comfort and chewing efficiency³
- Greater patient satisfaction⁴
- Less invasive and expensive

Resilient Attachment Use

- Stability without overload
 - Resilient attachments transfer more occlusal force to the soft tissue thus lowering the stress placed on the bone surrounding implants than rigid attachments⁵
 - Implant overload is the main cause of bone resorption⁵

Considerations

- Patient acceptance
 - At a typical fee of \$3,500, an overdenture supported by two implants is the least expensive alternative for an edentulous patient⁶
 - All-in-One Packaging saves up to 46% over competitors which you can pass onto your patients if you choose⁷

Surgical Benefits

- Accommodates highest degree of relative divergence
 - Implant angulation may be chosen based upon clinical needs without prosthetic limitation

Prosthetic Benefits

- Enhanced esthetics
 - Pink anodized metal housing blends with denture acrylic
 - This allows you to achieve a natural profile with minimal acrylic facially
- Improved processing
 - Metal housing design increases surface area and denture engagement
 - Black processing male cap features a high melting point
- Simplified insertion
 - Compatible with standard 1.25mmD (.050in) hex tool
 - RePlant[®] abutments feature the patented Dual-Grip[™] interface that enables use of Nobel Biocare's Uni-Grip[™] Driver
 - Swish[™] abutments feature the patented Duo-Grip[™] interface that enables use of Straumann's SCS Screwdriver

¹Atwood DA, Coy WA. Clinical, cephalometric, and densitometric study of reduction of residual ridges. J Prosthet Dent. 1971;26:280–295.

²Tallgren A. The continuing reduction of the residual alveolar ridges in complete denture wearers: a mixed-longitudinal study covering 25 years. J Prosthet Dent. 1972;27:120–132.

³Stellingsma K, Slagter AP, Stegenga B, Raghoobar GM. Masticatory function in patients with an extremely resorbed mandible restored with mandibular implant-retained overdentures: comparison of three types of treatment protocols. J Oral Rehabil. 2005;32:403–410.

⁴Kenney R, Richards MW. Photoelastic stress patterns produced by implant-retained overdentures. J Prosthet Dent. 1998;80:559–564.

⁵Daas M, Dubois G, Bonnet AS, Lipinski P, Rigon-Bret C. A complete finite element model of a mandibular overdenture with two implants: Comparison between rigid and resilient attachment configurations. Medical Engineering & Physics 2008; 30(2): 218-225.

⁶Christensen, GJ. Treatment of the edentulous mandible. JADA 2001; 132: 231-233.

⁷Price comparison based upon US list prices as of April 2010.