Implant Overdentures: Use of the O-Ring Implant Abutment

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The O-Ring Overdenture Attachment
Direct (intraoral) attachment to denture base

VS.

Indirect (laboratory) attachment to denture base
Abutment Transfer:

Questionable accuracy with small brass implant abutment analogs.
Abutment Transfer:

Superior accuracy and flexibility achieved through use of transfer copings and implant body analogs.
Abutment Transfer:

With a master cast that now mimics the mouth, the technician can alter the size and type of abutment head without the need to retake the impression.
Delivery Procedures of the Indirect O-Ring Attachment

Use #8 round burr to remove 1 to 2 mm of acrylic in area above ball head to allow for vertical movement of denture. Insert red or black o-ring with string packer or ball burnisher.
Direct attachment of o-ring housing to denture base:

Use Fit Checker (GC) silicone paste to relieve denture base to allow insertion of o-ring housing.
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Direct attachment of o-ring housing to denture base:

**NOTES:**
1. Create vent hole with 701 bur.
2. Block out abutment neck with rubber dam.
3. Use white disposable processing ring.
4. Use cold-cure repair resin – don’t overfill hole.
Direct attachment of o-ring housing to denture base:

**NOTES:**
5. Discard white processing ring.
6. Relieve acrylic above o-ring housing with #8 round bur.
7. Insert red or black retentive o-ring with string-packer or ball burnisher.
O-Ring Insertion Tool

Part # 8046
Available from Zest Anchors @ (760) 743-7744

Micro O-Ring
3.5 mm (OD)
For 1.8 mm Ball

Standard O-Ring
4.5 mm (OD)
For 2.25 mm Ball
O-Ring Insertion Tool

Prior to use, remove ferrule and lubricate shaft with K-Y Jelly
1. On a flat surface, cover o-ring with wide end of ferrule.

2. O-ring seated in ferrule.

3. With a twisting, clockwise motion, seat ferrule containing o-ring on shaft.
O-Ring Insertion Tool

Place nose of ferrule in empty o-ring cap embedded in denture and press o-ring to place.
A pivoting o-ring cap for use on divergent or nonparallel o-ring abutments or o-ring implants (standard or micro).

Available from Zest Anchors @ (760) 743-7744
SATURN™

Up to 30° angle correction

15°  5°  30°  5°  15°

SATURNO™  Traditional O-Rings  SATURNO™
PIVOTING O-RING CAP for use on existing O-Ring Ball Abutments or O-Ring Implants

Titanium CAP ———— TiN Coated RACE

O-RING

SATURN® Standard pivoting O-Ring Attachment

(Uses 4.5mm outside diam. O-ring for 2.25mm Ball)

SATURN® Micro pivoting O-Ring Attachment

(Uses 3.5mm outside diam. O-ring for 1.8mm Ball)
SATURN™

Internal ring freely pivots within cap to accommodate nonparallel or divergent implants and abutments heads.
Because housings freely rotate, lab putty is used to hold them in place during lab processing or direct bonding in mouth.