



**TRI**

dental implants



**“All-on-TRI” Solution**  
**TV50-34-F**  
**May 2014**

**Through Research Innovative**

[www.tri-implants.com](http://www.tri-implants.com)

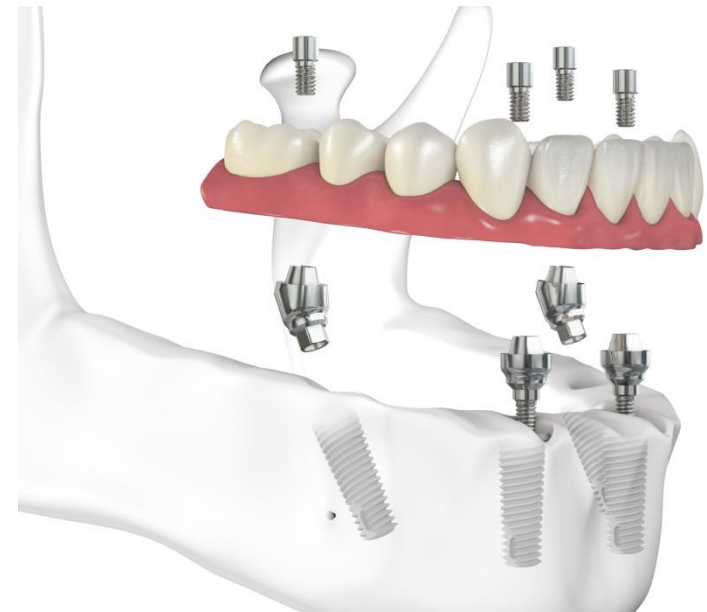
# About the “All-on-TRI” Treatment Protocol.

## Background

- The “All-on-TRI” treatment protocol has been developed based on the “All-on-four®” treatment concept by Nobel Biocare.
- The “All-on-four” treatment protocol was developed by Nobel Biocare in collaboration with Dr. Paulo Malo.
- The “All-on-four” (in our words “All-on-TRI”) treatment concept is today widely used and accepted. Many implant manufactures offer suitable components.

## About the treatment protocol

- The restoration in the edentulous jaw is supported by four implants.
- The two molar implants are placed with a 30 degree angulation. This offers the advantage to use a longer implant without complex bone grafting procedures also with limited bone. This results in an immediate and stable support of the prosthetic restoration.
- Angulated implant positioning requires and experienced implantologist. A guided surgery template is often used in combination with this treatment protocol.



# «All-on-TRI»: Our Solution offers many Advantages.



TV50-34-F

## + 'All-on-TRI' treatment protocol

Immediate stability with a proven protocol in minimum bone volume.

## + One size fits all

All existing impression posts, temporary and final components t!

## + Superior Design Features

Including the proven TRI® Friction and TRI® Soft Tissue Concept.

## + Supported by TRI+

Plan, place and restore your "All-on-TRI" case via the TRI+ interface with your preferred digital technology.

## + Unbeatable price of 95€

Great price compared to competition.



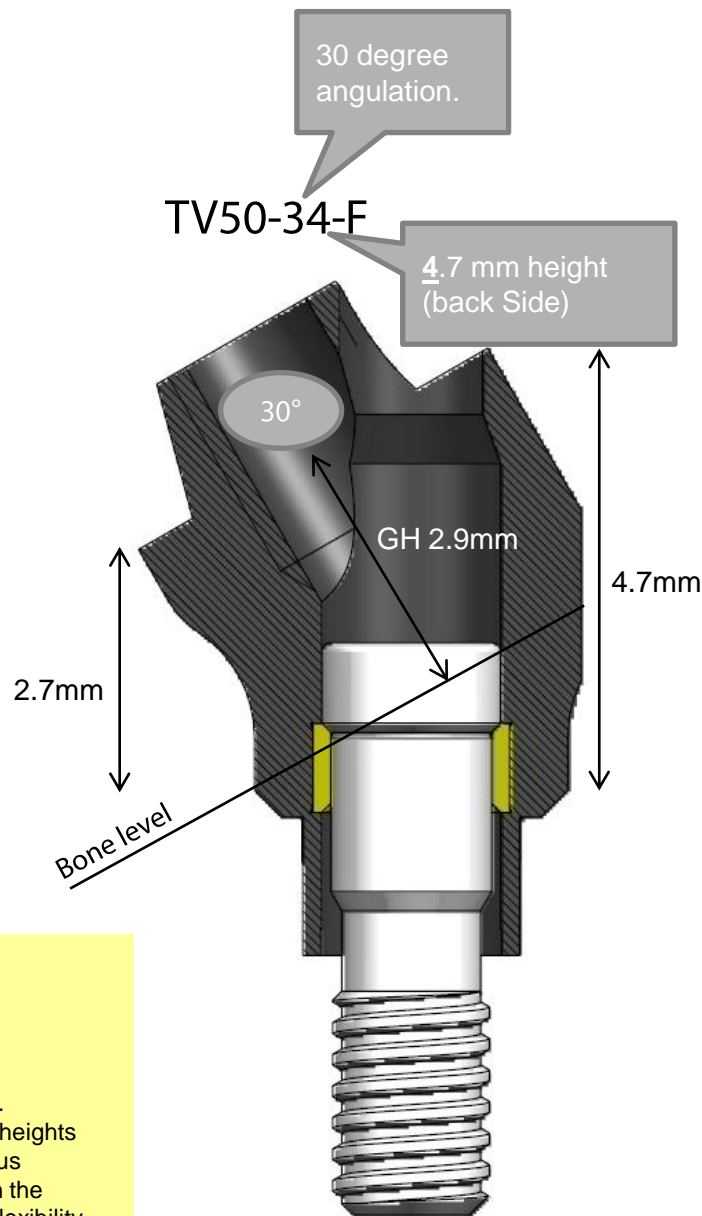
Full compatibility with TV40 components.

The comparable Zimmer product costs € 160!

# Dimensions of the TV50-34-F

- The dimensions of the abutment are optimized in a way that it fits for anatomical conditions of all patients.
- This offers **MAXIMUM SIMPLICITY** by adding only one single component to the portfolio and therefore making the life of the practitioner easier.
- Compared to the straight screw-retained abutments, the height of the TV50-34-F corresponds to a gingiva height (GH) of 2.9 mm.

SCREW-RETAINED, MULTI UNIT ABUTMENT, STRAIGHT						
Catalog Number		Ø	Cuff Height	Material	Qty	Sterile
TV40-01	Screw-Retained Abutment, Straight	4.5 mm	1 mm	Ti-6Al-4V	1	☑
TV40-02	Screw-Retained Abutment, Straight	4.5 mm	2 mm	Ti-6Al-4V	1	☑
TV40-04	Screw-Retained Abutment, Straight	4.5 mm	4 mm	Ti-6Al-4V	1	☑
TV40-06	Screw-Retained Abutment, Straight	4.5 mm	6 mm	Ti-6Al-4V	1	☑

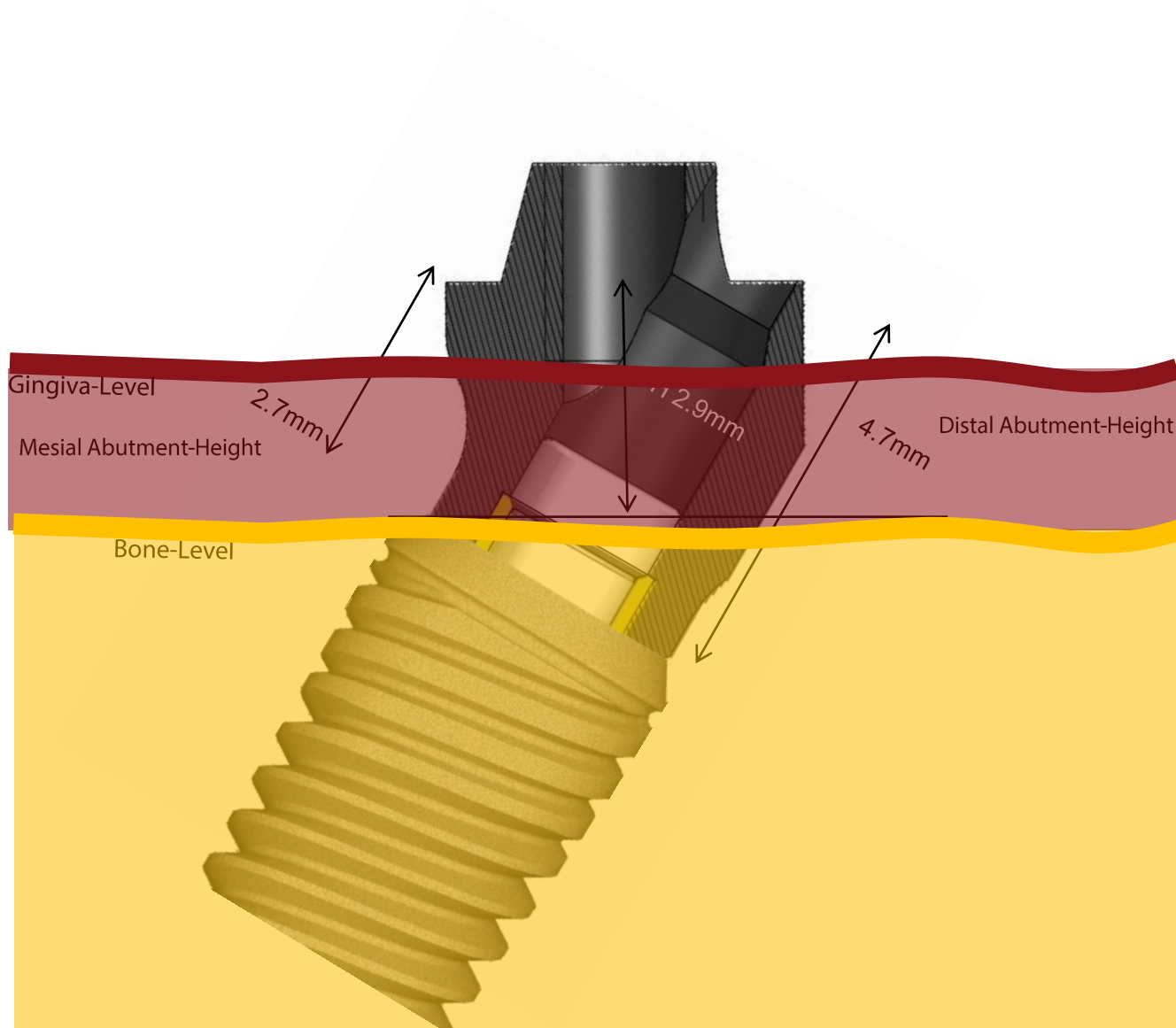


## FAQ

**Doctor:** Many companies have different heights of the 30 degrees angulated abutments. Why is one dimension sufficient with the TRI solution?

**TRI:** The 30 degrees angulated abutments are placed only in the molar region. Therefore, there are only limited aesthetic requirements. Therefore, very low heights are not required. If the gingiva is very thick (this is unlikely with fully edentulous patients), the height can be extended with the bar or bridge. We have chosen the height at the lower end compared to competitive products. This brings more flexibility. For the straight screw-retained abutments there are higher aesthetic requirements. Therefore, TRI offers four different heights.

# Dimensions of the TV50-34-F



# Caps and Copings

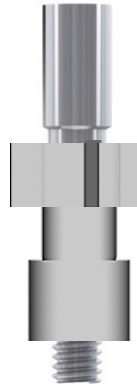
- Flow-Chart



TV-40-02  
Universal Abutment  
straight



TV-50-34-F  
Universal Abutment  
30° Angled



DTC-SRA  
Direct Transfer  
Component  
Incl. DTRS-SRA



IA-SRA  
Tapered Abutment  
Replica



TTA  
Titanium  
Temporary Coping  
incl. Retaining Screw  
RS-TTA



PCC  
Plastic Castable Coping  
incl. RS-PCC



RS-TTA-L

# Helpful Insertion Part



DTC-SRA  
Direct Transfer  
Component  
Incl. DTRS-SRA

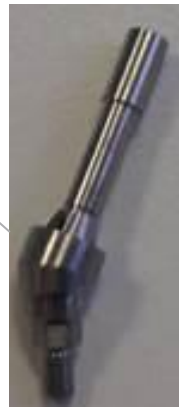
DTRS-SRA



Titanium  
Temporary Coping  
incl. Retaining Screw

RS-TTA

Retaining Screw - long  
for Titanium Abutment



Both screws are suitable  
as seating instrument!

# Important Instructions for Use.

## Orientation of the hexagon

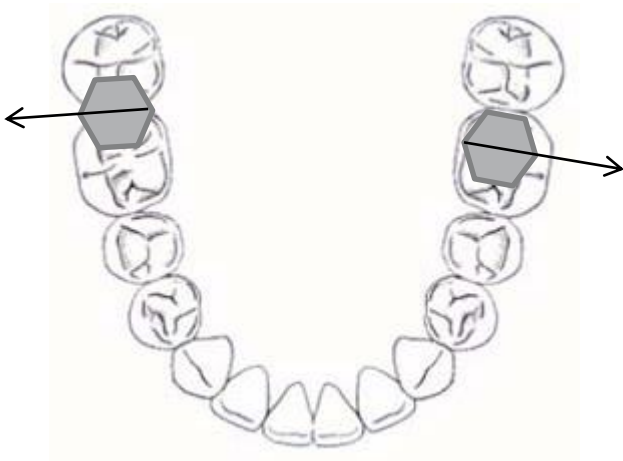


- The internal hexagon of the TRI Vent implant has to be oriented with the flat towards distal (not towards bucal like other angulated abutments).
- This is contrary compared to normal angulated abutments as the abutment angulation for “All-on-TRI” restorations is inclined towards mesial, while normal angulated abutments are inclined towards lingual.

## Friction fit removal tool is not compatible with TV50-34-F.



- As the screw of the TV50-34-F is integrated into the abutment, the TRI Friction removal tool cannot be used.
- This has to be clearly communicated to the customer.
- Standard treatment protocol does not make a removal of the abutment necessary. Try-in should be done without applying too much torque.





# FAQ

- **Doctor:** «All-on-TRI» is a controversial treatment protocol. Does TRI recommend this protocol?
- **TRI:** The “All-on-four” treatment protocol has been clinically proven for more than a decade. Many companies offer respective components. However, angulated implant placement requires an experienced implantologist. Of course, the decision to treat a patient with the “All-on-TRI” treatment protocol is with the clinician.
- **Doctor:** Many companies have different heights of the 30 degrees angulated abutments. Why is one dimension sufficient with the TRI solution?
- **TRI:** The 30 degrees angulated abutments are place only in the molar region. Therefore, there are only limited aesthetic requirements. Therefore, very low heights are not required. If the gingiva is very thick (this is unlikely with fully edentulous patients), the height can be extended with the bar or bridge. We have chosen the height at the lower end compared to competitive products. This brings more flexibility. For the straight screw-retained abutments there are higher aesthetic requirements. Therefore, TRI offers four different heights.
- **Doctor:** Is it normal to load the implants directly when applying the “All-on-TRI” protocol?
- **TRI:** In fact, immediate loading is performed often in combination with this protocol. Immediate loading is generally suitable for fully edentulous jaws as the prosthetic restoration can be carried by several implants. Of course, conventional healing and loading procedures are also possible with the “All-on-TRI” treatment protocol.
- **Doctor:** Why dos TRI not offer 15 degrees angulated abutments?
- **TRI:** 15 degrees angulation has nothing to do with the “Al-on-TRI” treatment protocol. This is not sufficient to bypass the nerve or sinus cavity. For the anterior implants, the cone of the TV40 offers already 15 degrees flexibility.
- **Doctor:** Zimmer offers an insertion tool for their angulated abutment, what is the TRI solution?
- **TRI:** TRI does not provide with every TV50-34-F an insertion tool. However, if the doctor requires an insertion tool, the screw of the impression post is available in every practice and is perfectly suitable for this purpose. Many doctors do not wish an insertion tool, and they are not willing to pay an extra price for a tool that they do not use.

