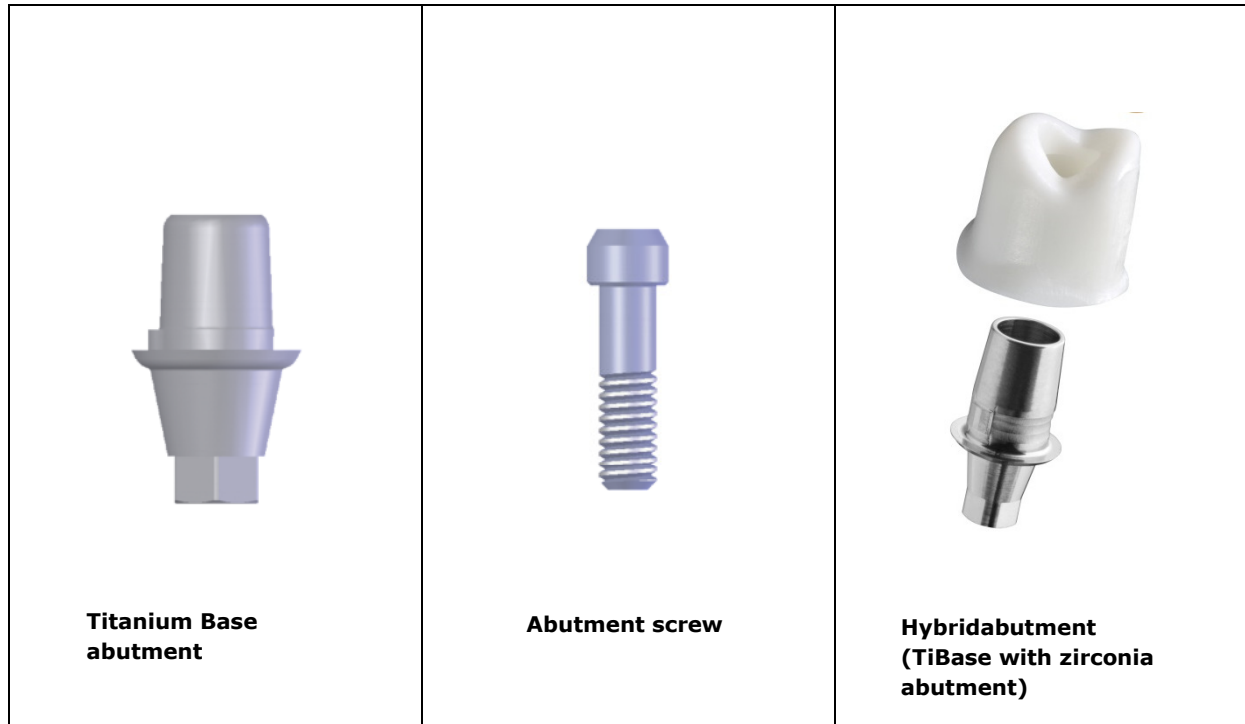




Titanium Base (TiBase) abutments

Straight

Titanium Grade 5 ELI



Indications

- Single tooth or multiple unit implant restorations
- Cement-retained restorations

1. Impression (Dentist)

- Remove the healing abutment or temporary restoration from the implant
- Spray implant interface with air/water spray and dry them
- Select Implant Pick-up and place it into one of the possible index positions of the implant
- Check correct seating and fix it manually
- Take an implant level impression with suitable impression material
- Opposing jaw information and shade are included with the impression and Implant Pick-Up when sent to the dental laboratory



2. Laboratory procedures (Dental technician)

- Make sure that the impression material is free of cracks and bubbles
- Mount corresponding Lab Analog on the Implant Pick-Up and prepare a master hard-plaster model with a gingival mask that can be scanned and removed
- Insert the scanbody into the Lab Analog and screw it in with the corresponding screw.
- Select the appropriate implant and TiBase in the Medentika library and scan the model with inserted scanbody.
- Scan the gingival mask
- Construct the custom-made emergence profile and the oral part of the abutment in accordance with the anatomical specifications.

Ensure that the minimum wall thickness of the zirconia abutment is not less than 0,4mm and the angle does not exceed 30°. Total height of the abutment, including the gingival height, should be between 6,0 and 12,0 mm.

- Send the data file to the Straumann milling center.

3. Milling of the zirconia abutment (Straumann milling center)

- Upload the data file and check wall thickness and angulation
- Select milling material (zirconia) and mill the zirconia abutment according to the transferred data file.
- Send the zirconia abutment to the dental technician



4. Bonding of the Titanium Base (Dental technician)

- Insert the TiBase into a Lab Analog and seal the screw channel with wax
- Blast the bonding surfaces of the TiBase and the zirconia abutment with alumina (110µm, 2 bar) and clean the surfaces thereafter.
- Apply the adhesive (Multilink Hybrid Abutment, Ivoclar Vivadent) to the bonding surface of the TiBase according to the recommendations of the manufacturer.
- Place the zirconia abutment onto the TiBase and ensure correct positioning
- Remove excess adhesive and wax

5. Abutment connection (Dentist)

Note: For strength and fit reasons, never modify the implant interface of the TiBase.

- Ensure that the implant platform is free from any soft-tissue or bone remnants.
- Position the abutment into the implant and secure the screw in the implant using the suitable screwdriver.
- A radiograph can be helpful to confirm accurate seating of the abutment
- Tighten the abutment screw to the torque that is recommended in the instruction for use of the abutment using a torque ratchet.

6. Cementation of final restoration (Dentist)

- Gently seat the restoration on the abutment and check both the occlusion and the interproximal contacts. The restoration should be in light occlusion. Excursive contact should be minimal.
- Fill the screw access channel with a block-out material to preserve abutment screw access.
- Cement the restoration using permanent cement according to the instructions for use of the cement manufacturers