

Unitek™ Temporary Anchorage Device (TAD) System

Temporary Anchorage Device (TAD)



Versatile
Fixed



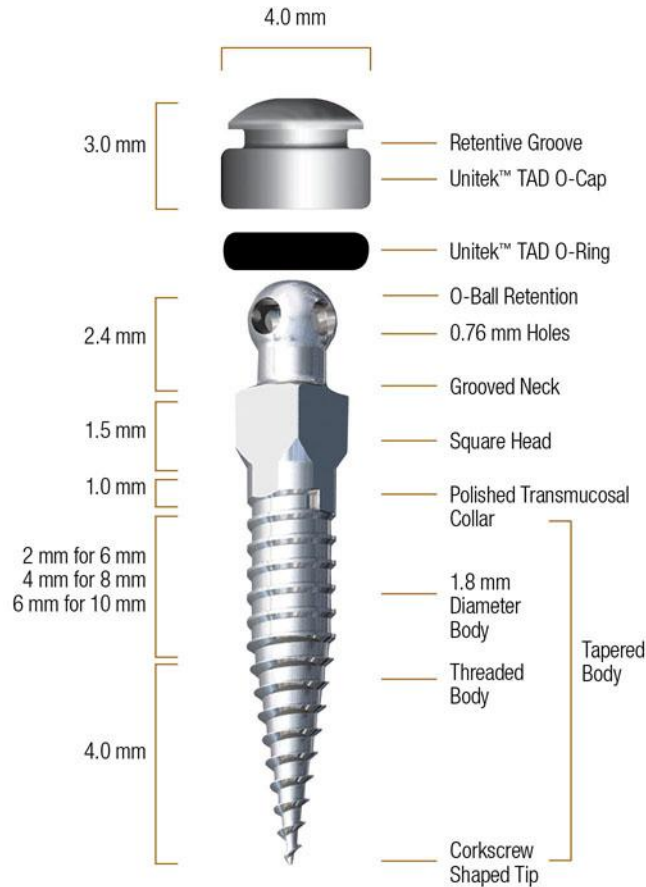
Anchorage
for Treatment Efficiency

3M Unitek

For the first time in Orthodontics, Temporary Anchorage Devices (TADs) offer a single point of force in Orthodontic treatment. For those clinicians who understand its placement and mechanical use, a TAD can allow tooth movements that until now were thought impossible.

- The Unitek™ Temporary Anchorage Device (TAD) System is extremely easy to understand, simple to inventory and easy to use.
- The placement protocol is simple: no injections, no incision and usually no pilot hole.

Unitek™ Temporary Anchorage Device (TAD) Key Benefits



Unitek™ Temporary Anchorage Device (TAD)

- Immediate loading (within 24 hours)
- Sold individually in sterile glass vials
- Simple procedure; no incision and usually no pilot hole
- Biocompatible Titanium Alloy
- Only topical anesthesia required in most cases

Unitek™ TAD O-Cap Unique Benefits



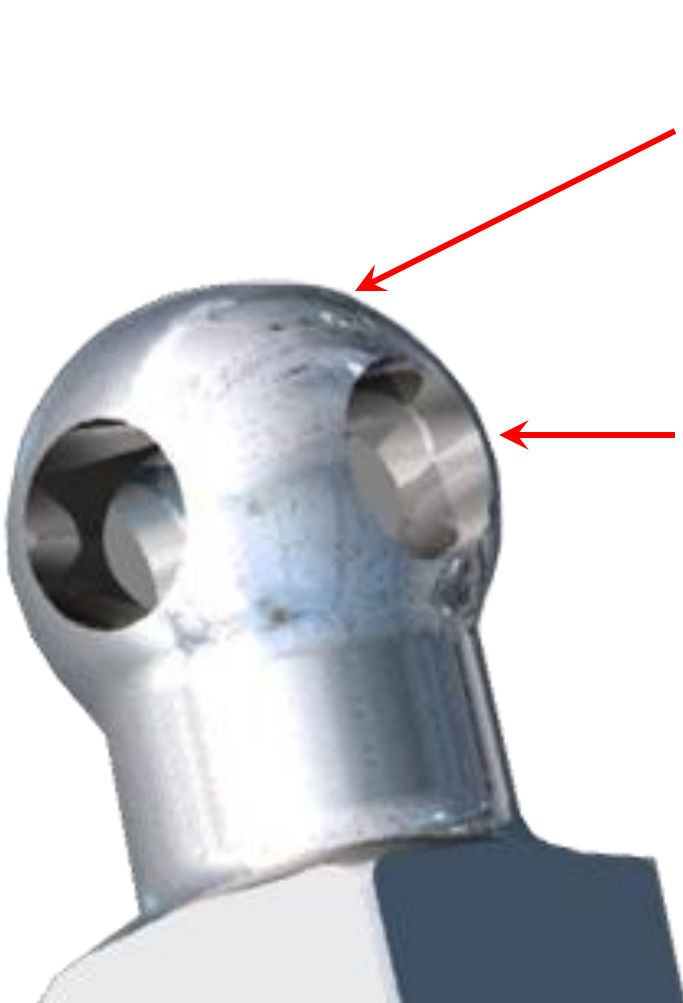
- Comfortable rounded cap is designed to prevent gingival overgrowth.
- Retentive groove around the circumference of the Unitek TAD O-Cap allows for auxiliary attachment options such as wire and power chain.
- The Unitek TAD O-Cap is made of stainless steel, which allows various attachments to be soldered, making it even more versatile.

NOTE:

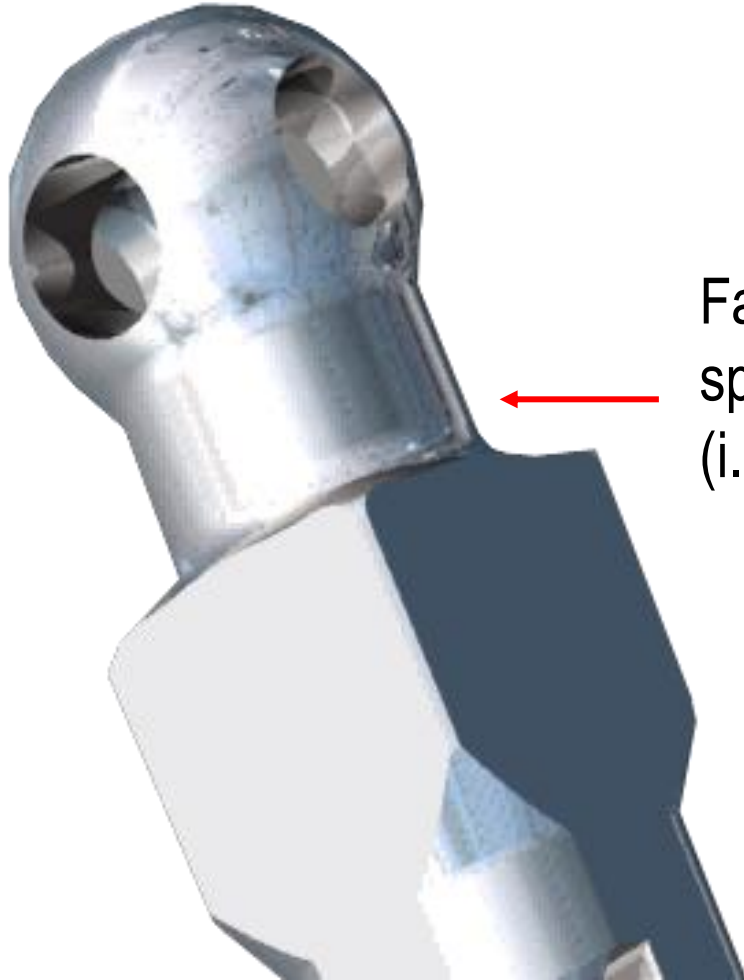
Due to the snug fit, once the Unitek TAD O-Cap is placed directly over the O-Ball head, there is no longer room for ligation over the Grooved Neck.

O-Ball Key Benefits

- Contoured retentive mechanism was designed for patient comfort
- Incorporates two intersecting .076 mm (.030") holes in the O-Ball for multiple engagement options such as power chain, coil springs, ligature wire, or auxiliary wires.
- Versatility of the O-Ball reduces inventory requirements

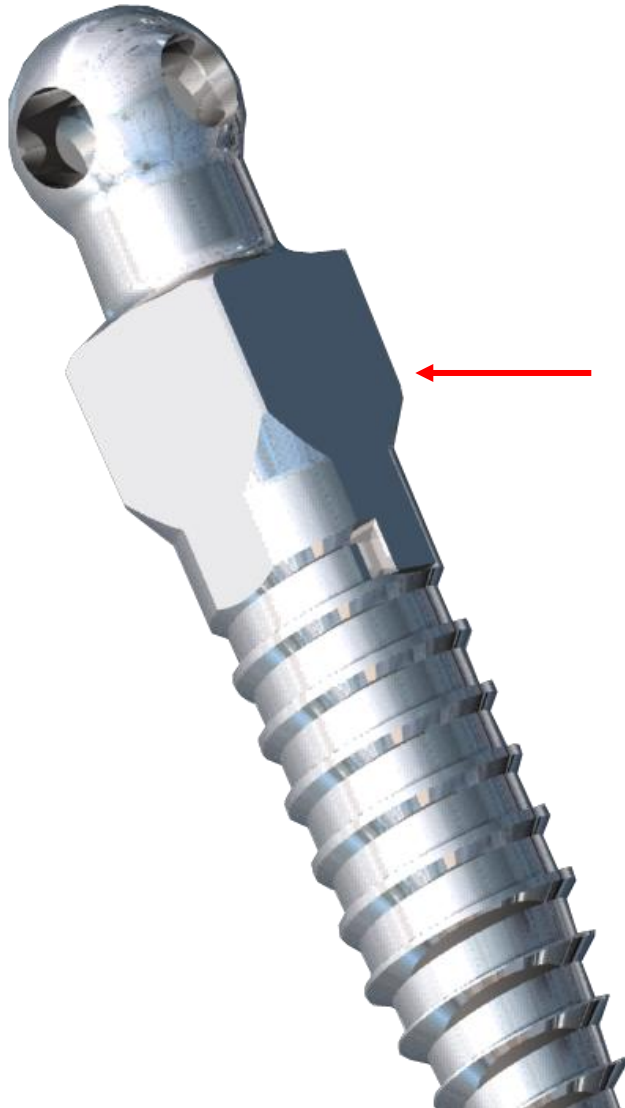


Grooved Neck Benefits



Facilitates the attachment of coil springs, ligature wire or elastomerics (i.e. power chain)

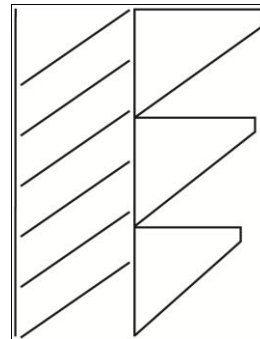
Square Base



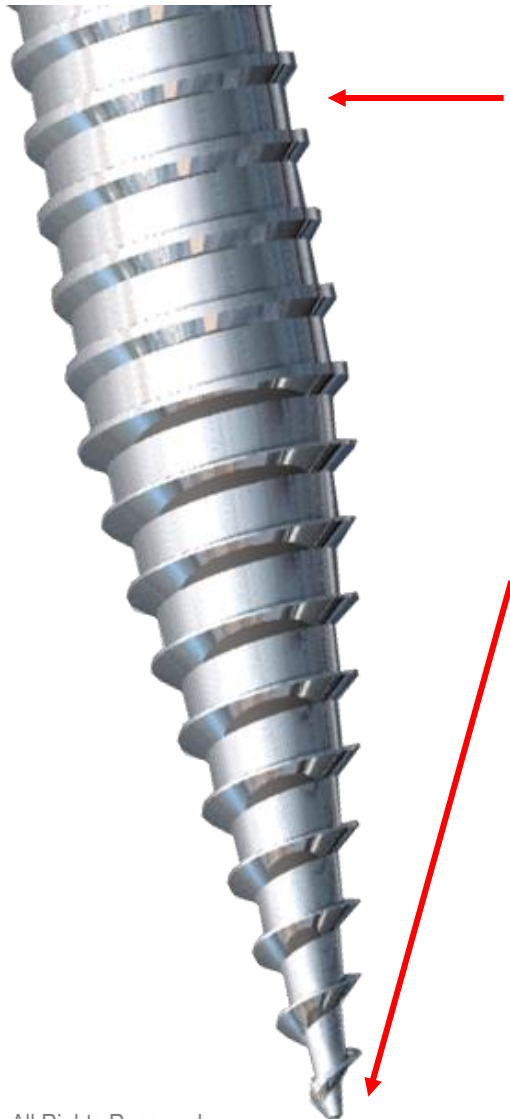
- Designed for stability during implant placement.
- Insertion instruments are placed on the square body core of the implant. This is the strongest part of the implant.
- The square base is no wider in diameter than the implant body and will not impinge the surrounding tissue.

Modified Buttress Thread Form

- 1.8 mm diameter designed for strength
- Designed with a 45 degree lead-in angle and 90 degree trailing angle, this thread form assists in the insertion and retention of the implant



Threaded Implant Body



Thread Forming design: compresses the bone around the screw instead of cutting the bone.

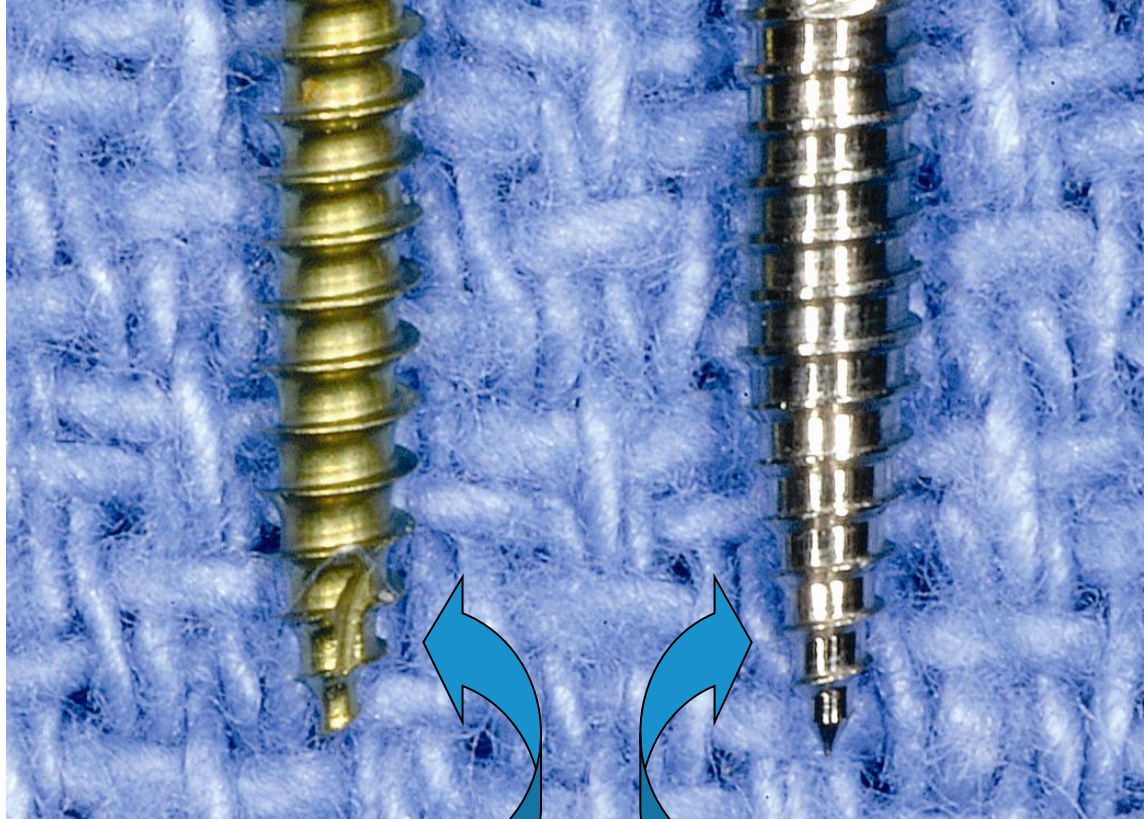
Drill-Free design: conical apex tapered to a point for advancement and strength; eliminates need for a pilot hole.

Self Tapping Design: implant threads create their own internal bony thread tracks upon advancement.

Smooth implant surface: no surface coating and no etched surface helps to prevent osseointegration.

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Temporary Anchorage Device Types



Thread Cutting

Thread Forming

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Thread Cutting TADs



Thread Cutting TADs cut the bone instead of compressing the bone around the screw during advancement. Cutting the bone increases microdamage and reduces the bone's initial ability to assist in retaining the implant.

Thread Forming TADs



Thread Forming TADs laterally compress the bone around the screw instead of cutting the bone and scraping it away during advancement. Compressed bone requires less initial healing and can assist with TAD retention. The Unitek™ Temporary Anchorage Device (TAD) System is thread forming.