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Information in this guide based on data submitted by product manufacturers. Orthodontic Products strives for accuracy in all data but cannot be held responsible for claims made by manufacturers.

				
Product name	Unitek™ Temporary Anchorage Device	TAD CAP / Part No. 4101	tomas®	Infinitas Mini Implant - TAD
Made of what material	Titanium	Mouthguard Material 2 mm	Grade 5 titanium	Titanium alloy grade 5
Diameter(s) available	1.8 mm	N/A	1.6 mm	1.5 mm, 2 mm
Length(s) available	6 mm, 8 mm, 10 mm	N/A	6 mm, 8 mm, 10 mm	6 mm, 9 mm
Head size(s) and shape(s) available	The O-Ball is rounded and 2.4 mm in height, which includes the grooved neck. It is followed by the squared head that is 1.5 mm in height.	Sized to fit the QUATTRO mini-screw available from PSM-North America and Dentsply Raintree Essix, and are compatible with many other similarly shaped mini-screw head designs.	Cross-slot and our new mushroom-shape.	One universal head size
Type of screw	Self-drilling; self-tapping (thread-forming)	N/A	Self-drilling	Self-drilling
Does it come with a kit?	Introductory Kit: 3 - Unitek TAD 6 mm; 3 - Unitek TAD 8 mm; 3 - Unitek TAD 10 mm; 4 - Unitek O-Cap; 1 - Unitek Straight Driver; 1 - Unitek TAD Contra Angle Driver; 1 - Unitek TAD Titanium Bowl	N/A	Yes, the tomas-set, our complete system of instruments required for TAD placement.	Complete clinical kit contains five mini-implants, surgical aluminum tray, standard handle, mini screwdriver, and standard and mini screwdriver inserts, mini bone punch inserts, and Mucotome inserts.
Custom auxiliaries	Unitek TAD Constant Force Coil Springs (aTADchments™ designed by Dr Jason D. Cope) with an innovative locking eyelet, three constant force levels (150 g, 200 g, 250 g), and four lengths.	N/A	Yes, the tomas-auxiliary kit and the tomas abutment kit. A complete assortment of TAD specific auxiliaries and TAD specific abutments.	No, not necessary
Does it come in a sterile container?	Yes	No	Yes	Yes
Is it FDA-approved?	Yes	Yes	Yes	Yes
Cost	Contact company	\$27 per package of 20 pieces	Contact company	Contact company
Special features	The ingenious O-Ball head of the Unitek TAD makes the system universally adaptable; it serves as one component in a ball and socket joint. The Unitek TAD O-Cap is a stainless steel cap with an internal Unitek TAD O-Ring that locks in place around the O-Ball.	Comfort Solutions now offers a Comfort Cap designed specifically for orthodontic mini-screws.	A complete TAD system for all indications. Two head designs, and a complete series of TAD accessories. Introducing amda®, our new TAD specific advanced molar distalizing appliance.	Unique head design for universal applications. Angled transmucosal neck design. Unique body design. All Infinitas mini implants are designed to be self-drilling to ease insertion and maximize stability.

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OrthoEasy PAL	AbsorAnchor Micro Implants	Orlus Mini Implant System
Titanium alloy grade 5	Titanium alloy	Titanium alloy
1.7 mm	1.2 mm, 1.3 mm, 1.4 mm, 1.5 mm, 1.6 mm, 1.7 mm, 1.8 mm, 2 mm	Mini (1.4 mm), regular (1.6 mm), wide (1.8 mm)
8 mm	6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 12 mm	6 mm, 7 mm, 8 mm, 9 mm, 10 mm
Octagonal head shape	Small head, fixation head, no head, circle head, bracket head	Hexagonal head shape
Self-drilling	Self-drilling; self-tapping	Self-drilling; self-tapping
Starter kits are available. Please call for a quote.	Four different kits available, three include implants. All include drivers, pilot drills, burs, case, and CD instructional guide.	Full line of screws and auxiliaries sold individually. Available hand driver kit includes a standard hand driver, driver tip, pre-drill tip, and autoclavable container.
Frog II Appliance	Contra-angle hand driver, torquing driver, elastic power thread, crimpable hooks, and NiTi closed coil springs	Surgical driver tips, surgical pre-drill tips, and a contra-angle hand driver handle.
Yes	No	Yes
Yes	Yes	Yes
Contact company	Micro Implants: \$140 to \$150, package of two	Contact company
OrthoEasy PAL is a three piece system consisting of TAD, abutment, & retaining screw for easy placement directly in the palate.	Six different head type choices, tapered and cylinder type available. Micro Implant diameter at 1.3 mm, thinnest implant available. Accepts all orthodontic systems including wire, ligatures, elastomers, and springs. Designed to control and manage anchorage based on directional force mechanics.	Corkscrew-like tip allows for drill-free insertion. A tapered core with trapezoidal threading maximizes cortical bone support. Smooth button top designed for patient comfort.

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Product name	Orthodontic Mini Implants	VectorTAS™	Spider Screw® and Spider Pin™ Temporary Anchorage Device Systems	BENEFIT
Made of what material	Surgical grade stainless steel	Titanium 6-4	Grade 5 titanium alloy (nickel-free)	Ti6AL4V
Diameter(s) available	1.5 mm, 1.75 mm, 2 mm	1.4 mm, 2 mm	1.3 mm, 1.5 mm, 1.9 mm (body diameters)	2 mm, 2.3 mm
Length(s) available	6 mm to 12 mm	6 mm, 8 mm, 10 mm, 12 mm	5 mm, 6 mm, 6.5 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm	7 mm, 9 mm, 11 mm, 13 mm
Head size(s) and shape(s) available	High head and low head; standard head; standard head with groove	Patented double-delta head for greater comfort and treatment flexibility; available in 1 mm and 2 mm sizes.	Head diameters: 3.4 mm, 3.9 mm, 2.6 mm	Special exchangeable abutments, fixation screws, and plates available to be fixed on the screw head to achieve different multipurpose tasks in palatal use. Inner thread allows fixation of different appliances.
Type of screw	Self-drilling; self-tapping	Self-drilling; self-tapping	Self-drilling; self-tapping. Spider Pin is pre-drilling.	Self-drilling; self-tapping
Does it come with a kit?	Self-drilling—no kit. Self-tapping has kit: 24 implants, two drills, two adaptors, one screwdriver, and one circular punch.	Yes. The VectorTAS Starter Kit contains everything you need to treat 10 cases,* including the patented VectorTAS Atlas. (*Note: Needle-free anesthetic delivery not included.)	3 kits available: The Spider Screw Self-Ligating TAD Starter Kit, Spider Screw K1 & K2 Starter Kit, and the Spider Pin Starter Kit.	Starter kit accommodates screwdrivers bits for implants, abutments, handles, etc. A universal kit for the compatible QUATTRO System is also available.
Custom auxiliaries	Yes, Mucotome for orthodontic mini implants, circular scalpel, handpiece adapter, adapter for screwdriver and instruments, fan-type hand wrench.	No	Wide and round end handles, crimpable double and cross tubes, TruFlex nickel titanium TAD closed coil springs, crimpable archwire hooks with split archwire opening.	Special abutments with slot, brackets, etc. as well as special BENEFIT plates to couple two implants in the palate and achieve higher stability.
Does it come in a sterile container?	No	Yes	Yes	Yes
Is it FDA-approved?	Yes	Contact company	Yes	Yes
Cost	Contact company	Contact company	Self-Ligating K1 & K2 Plus: \$127. ⁹⁵ ea; 6 or more: \$116. ⁵⁰ ea. K1, K2, and Spider Pins: \$97. ⁵⁰ ea; 6 or more: \$89. ⁹⁵ ea.	\$98/each
Special features	Available with low or high head, one with a passing hole and another with groove and the protruding portion like an orthodontic button to facilitate the application of chains, elastics, or springs.	VectorTAS is a coordinated system of miniscrews, attachments, and instruments that provide clinicians with a fast effective means to treat a full range of orthodontic cases without compensating for the inadvertent reciprocal movement of adjacent teeth.	Self-Ligating K1 & K2 Plus are color coded for easy identification. Built-in millimeter scales on organizers to ensure correct Spider Screw selection.	The BENEFIT Screw, designed by Prof Benedict Wilmes, is the #1 palatal TAD System worldwide. It offers multiple possibilities for molar distalization/mesialization, hybrid hyrax, temporary pontics, molar uprighting, etc.

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