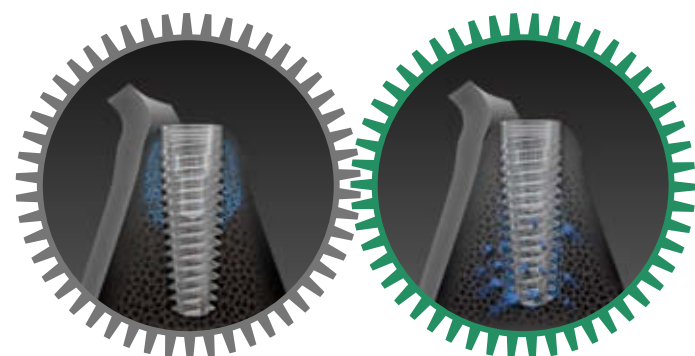


The Dual Stability Mechanism

(DSM) provided by C1 is based on an integrative development involving the

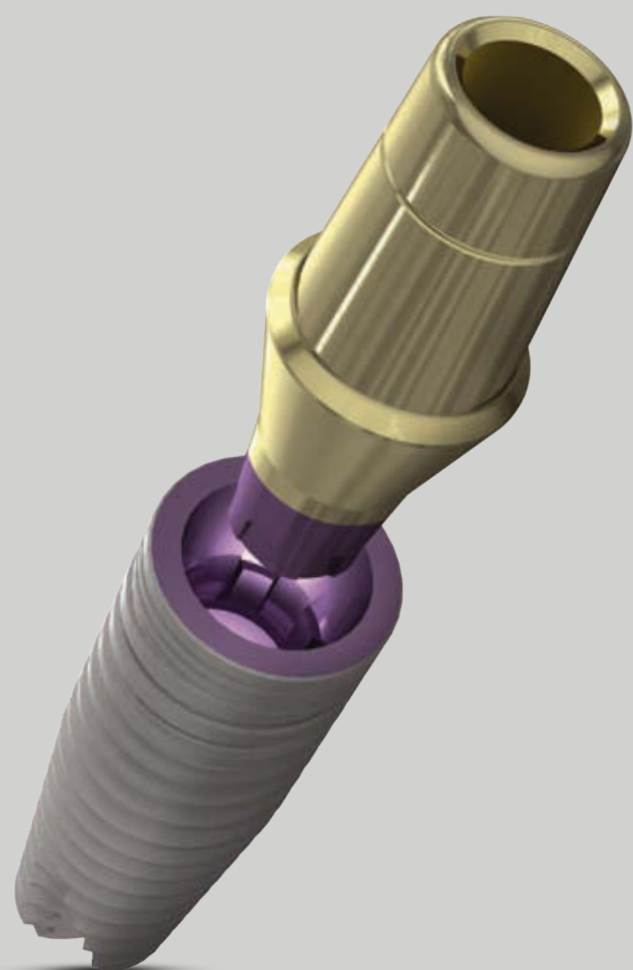
implant's macro and micro structure as well as a unique differential drilling methodology. C1's conical design enables moderate compression of the bone at the coronal 2/3 of the implant's body, providing an immediate mechanical primary stability, while the apical 1/3 of the implant is designed to enable rapid bone growth aimed to minimize stability loss during the first weeks after surgery. The compartments formed between the threads are a result of the differential drilling approach, which prevents bone compression at the apical section of the implant. The result is an ideal habitat for accelerated and sustainable bone growth and osseointegration, establishing the implant's long term biological stability. The DSM mechanism combines benefits of both high primary stability and an accelerated osseointegration process, abridging the way to complete long term stability.



mis | MAKE IT SIMPLE

mis | C1
CONICAL CONNECTION

MIS proudly presents C1 - a new innovative screw type implant, incorporating a conical connection with an anti-rotation cone index and a unique (Dual Stability Mechanism - DSM). With its conical root-shaped geometry and self-tapping properties, C1 features MIS' reliable surface, platform switching by design and a platform based color coding. Following MIS' "Make It Simple" philosophy, C1 is supplied within a comprehensive combo-package, which includes: a single use fine drill, a cover screw, a 4mm height healing cap and a temporary cylinder, meeting all your clinical needs and providing the freedom to choose between one stage, two stage or an immediate loading procedure. The C1 implants range is a result of an extensive research and development process, offering a unique combination of surgical and restorative benefits for multiple types of procedures, saving valuable chair time and affirming reliable, long-lasting successful results.



Conical connection

C1 implant benefits a conical connection with an anti-rotation, six positions, cone index. The absolute implant-abutment fastening and the definite seal offered by the conical connection minimize micro-movements and preserve the bone.



Platform switching

The C1 system incorporates platform switching by design, allowing perfect environment for the soft-tissues growth and preventing bone resorption.



Micro rings

Micro rings (0.1x0.3) on the implant's neck improve the BIC (bone to implant contact) at the crestal zone.



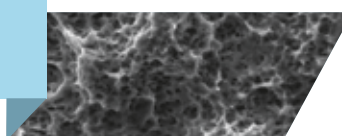
Dual thread

A dual thread design increases BIC (Bone to Implant Contact), reinforcing osseointegration for a long lasting clinical success. The overall insertion rate of C1 is 1.5mm per revolution. A self-tapping design and mild bone-compression properties, enhance primary stability.



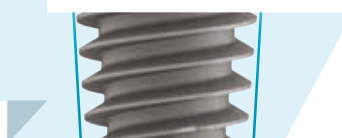
Surface

The surface roughness and micro-morphology combines sand blasting and acid etching. MIS' notable surface technology has provided millions of patients and clinicians with excellent osseointegration results and a long lasting clinical success.



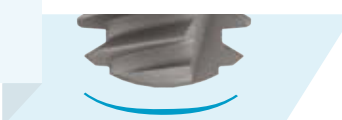
Conical shape

With its conical, root-shaped geometry and a unique thread design, C1 ensures a superior primary stability, and offers the ultimate choice for a wide range of clinical cases and loading protocols • Its root-shaped design makes C1 ideal for narrow spaces, restricted by adjacent teeth or implants.



Two spiral channels and domed apex

The two spiral channels at the apical end of the implant, coupled with its self tapping design enables mild direction refinement during the initial stages of insertion. A domed apex allows a safer procedure.



Characteristics.



Surgical Instruments Kit.

The new C1 innovative surgical kit is designed for a simple and safe implant placement. Its novel ergonomic circular design follows the surgical procedure and drilling sequence. The kit includes a set of length based, most commonly used, pilot drills assuring a worry-free procedure and a color coded visual cues for both implant diameter and restorative platforms.

