



L6

L9

L12

Bonefix | MaxilloPrep

Osteosynthesis screws for fixing bone grafts



Minitray for screws

Prior to carrying out a restoration with implants, the implantologist is frequently faced with a situation where there is not enough bone available to successfully insert an implant. In such cases, the implantation has to be preceded by a bone-augmenting treatment.

The MaxilloPrep Bonefix system is an ideal tool for treating a defect alveolar ridge by augmenting the bone. Developed in cooperation with Dr. Martin Dürholt, this system allows exact placing and fixing of the bone graft at the recipient site.

The main components of the system are the MaxilloPrep Bonefix screws for osteosynthesis. They are used for fixing bone blocks or osteosynthetic plates. The screws can be stored and sterilised in the specially developed "Minitray" which allows protected manual removal of the screws. If required, the "Minitray", the screw adapter and rotary instruments can be integrated into a larger insertion tray inside a high-quality sterilisation container.

Advantages:

- Minimum number of system components, maximum versatility
- High-grade pure titanium, grade 4
- Blue anodised surface to visually aid re-entry
- Very flat screw head
- Hexagonal reception for standard width across flats of 1.2 mm
- Perfect fit with wrench, secure hold
- Suitable for all established bone augmentation techniques
- No system-specific instruments required
- Compatible with conventional implant screw drivers

Clinical sequence

1. The bone graft, perforated with the pilot drill 210L16.



2. Countersinking of the screw heads – preparation of the perforations with the round bur H141A.104.027



3. The bone graft prior to fixation.



4. The bone graft is screwed into the cortical bone of the recipient site with one of the screws of the MaxilloPrep Bonefix system.



Recommended rotary instruments:



210L16.205.013



210L16.205.018

Optimum speed:

⊖_{opt.} 800 - 1,000 rpm

⊖_{max.} 6,000 rpm



H141A.205.027

H141A.104.027

Optimum speed:

⊖_{opt.} 6,000 rpm

⊖_{max.} 100,000 rpm

Set 4609

MaxilloPrep Bonefix

Ø 1,5 mm Osteosynthesis screws



5x **583L6.015**



5x **583L9.015**



5x **583L12.015**



582 – Minitray for screws

Protected removal of the screws without contamination



577 – Adapter for handle



574 – Ergonomic handle

Photographs courtesy of Dr. Martin Dürholt



Set 4610

Insertion tray 571

Sterilisation container 556