

Osteotome Kit for the specific closed sinus lift technique

Bone-Spreader convex, straight
 OSTMSP27/..32/..37/..42/..50



Bone-Spreader convex, angulated
 OSTMSP27A/..32A/..37A/..42A/..50A



Bone-Pusher straight
 OSTMPU27/..32/..37/..42/..50



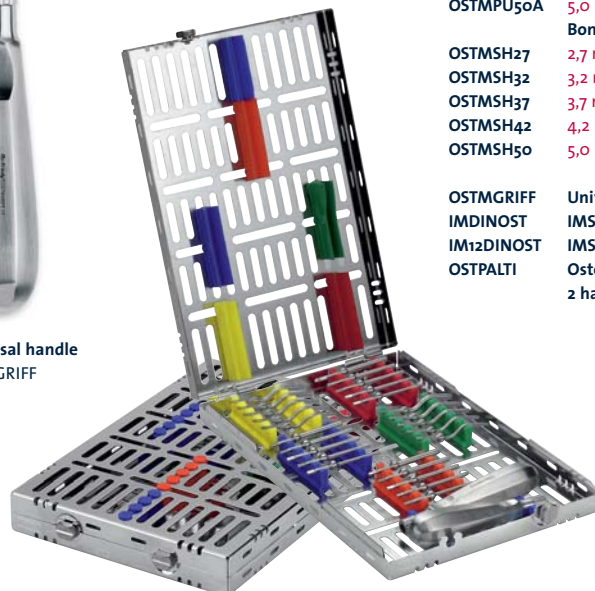
Bone-Pusher angulated
 OSTMPU27A/..32A/..37A/..42A/..50A



Bone-Shaver concave, straight
 OSTMSH27/..32/..37/..42/..50



Universal handle
 OSTMGRIF



Cassette for the
Osteotome Kit
 IMDINOST

The instrument set is also available in an IMS-Cassette: Ordering Code: OSTPALTI (content: 25 Instrument tips, 2 handles, 1 Cassette).
 For an easy handling of your instruments from cleaning to sterilisation and storage, the instrument cassettes can also be purchased for up to 25 instrument tips and 2 handles, Ordering Code: IMDINOST.
 For 10 instrument tips and 2 handles, Ordering Code: IM12DINOST.
 Request we deliver the complete set in an IMS™ Instrument Cassette, for an easier handling from cleaning and sterilisation to storage of your BoneSpreading-Kit.

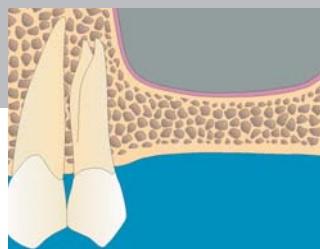


- | | |
|--|---|
| Bone-Spreader convex, straight | |
| OSTMSP27 | 2,7 mm |
| OSTMSP32 | 3,2 mm |
| OSTMSP37 | 3,7 mm |
| OSTMSP42 | 4,2 mm |
| OSTMSP50 | 5,0 mm |
| Bone-Spreader convex, angulated | |
| OSTMSP27A | 2,7 mm |
| OSTMSP32A | 3,2 mm |
| OSTMSP37A | 3,7 mm |
| OSTMSP42A | 4,2 mm |
| OSTMSP50A | 5,0 mm |
| Bone-Pusher straight | |
| OSTMPU27 | 2,7 mm |
| OSTMPU32 | 3,2 mm |
| OSTMPU37 | 3,7 mm |
| OSTMPU42 | 4,2 mm |
| OSTMPU50 | 5,0 mm |
| Bone-Pusher angulated | |
| OSTMPU27A | 2,7 mm |
| OSTMPU32A | 3,2 mm |
| OSTMPU37A | 3,7 mm |
| OSTMPU42A | 4,2 mm |
| OSTMPU50A | 5,0 mm |
| Bone-Shaver concave, straight | |
| OSTMSH27 | 2,7 mm |
| OSTMSH32 | 3,2 mm |
| OSTMSH37 | 3,7 mm |
| OSTMSH42 | 4,2 mm |
| OSTMSH50 | 5,0 mm |
| OSTMGRIF | Universal handle |
| IMDINOST | IMS™-Cassette (25 tips) |
| IM12DINOST | IMS™-Cassette (10 tips) |
| OSTPALTI | Osteotome Set: 25 tips, 2 handles, 1 IMS-Cassette |

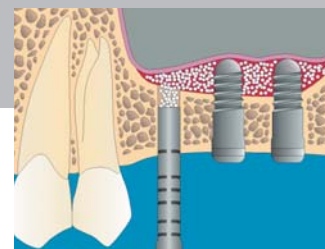
Products and technique

>>> Illustration 1

A moderate alveolar ridge resorption and an extension of the maxillary sinus (pneumatization) is to be expected several months after the extraction.



>>> 1

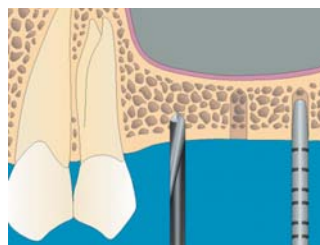


>>> 5

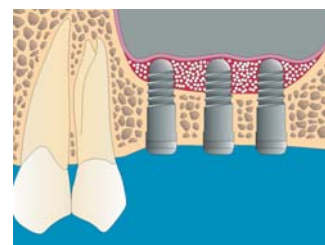
>>> Illustration 2

Stage 1: pilot drilling of 2 mm diameter to the cortical base of the maxillary sinus.

Stage 2: insertion of OSTMSP27 convex into the bone cavity. Use light pressure or blows with a hammer, depending on the cortical strength, to create a greenstick fracture and lift the Schneider's membranes in the maxillary sinus.



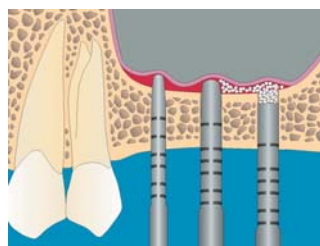
>>> 2



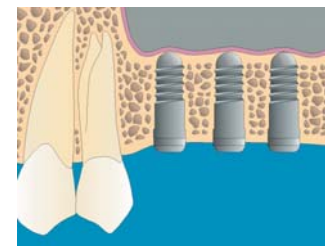
>>> 6

>>> Illustration 3

Once the desired diameter has been reached, the augmentation material (autogenous bone material or Cerasorb see above) is condensed under the maxillary sinus with the Bone-Pusher.



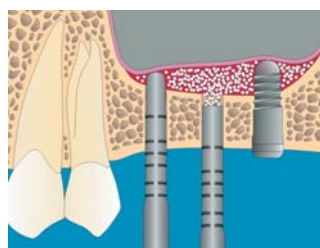
>>> 3



>>> 7

>>> Illustration 4

Reaching the adequate height (plus approx. 2-3 mm, the implant is inserted. Particularly suitable in this case are implants with a rounded, smooth tip, e.g. IMZ-Twin-Plus (Friatec) or Micro-Vent-2 (Core-Vent) or cylinder implants IMZ, Calcitec and others. Self-cutting screws are totally unsuitable for this technique, because the sharp threads on the tip can easily cause uncontrollable fissures when touching the membrane and thus lead to complications.



>>> 4

>>> Illustration 5

Inserting the next implant and filling the implant site for the 3rd fixture.

>>> Illustration 6

Inserted Implants . Osseointegration will take about 4 to 7 months, depending on blood supply in this region and the quantity of augmentation material which has been used to elevate the alveolar ridge.

>>> Illustration 7

Osseointegrated implants after healing period. Note: Do not start prosthetic treatment until the Periotest Values are below zero. Treatment is performed according to the criteria laid down by Misch with progressive pressure being put to the bone.