The **Osteosinus**
The safe sinus floor elevation

PRESENTATION

Consistent use of a depth stop over many years when harvesting bone surgically and the experience this provided enabled development of this technique. The technique has proved itself in a wide range of applications for more than fifteen years thanks to the rbs depth stop drills from **IMPLANTS** DIFFUSION INTERNATIONAL.

Osteotomes, trephines and drills included in the Osteosinus system have also benefited from this technology.

The Osteosinus concept facilitates sinus floor elevation and ensures that It is stress-free.

Clinical studies have indicated that an intact sinus membrane is essential for successful grafting.

A sinus bone graft can either be harvested laterally (sinus lift) or crestally.
In many cases crestal sinus floor elevation completed with the Osteosinus is a practical alternative to a sinus lift.

Osteosinus
(osteotome holder)
P/N : OST 1

Osteosinus monobloc
P/N : OSTM

surgical stand
P/N : PLS

Base plate
P/N : BIC1

All the dimensions are in mm.

OSTEOSINUS

It is used for attaching a straight or angled osteotome depending on the operating site. After assembling the osteotome, use the slide mallet to compact the bone.
Removable slide mallet.
Can be dismantled.

RECTISINUS x6

Straight osteotomes with a colour-coded depth stop. Insert the Rectisinus into the osteotome, position the guide in the operating site and compact the bone using the slide mallet.

LENGTH	Ø 3 MM
③	RL 33
4	RL 43
5	RL 53
6	RL 63
7	RL 73
8	RL 83

DISKOSINUS

Small bladed wheel, Ø 3 mm
(red ring)
P/N : D3

The wheel is used after the Forsinus drill with the same diameter. Using a circular movement the bladed wheel enlarges the bone base below the sinus and provides it which increased resilience when using the osteotome.

TREPANOSINUS x6

(Trephines with a colour-coded depth stop)
Use the trephine at 70 rpm without water cooling.

LENGTH	Ø 3 MM
③	TL 33
4	TL 43
5	TL 53
6	TL 63
7	TL 73
8	TL 83

FORSINUS x6

(Drills with a bone-harvesting channel and colour-coded depth stop).
Use the Forsinus at 150 rpm without water cooling and 650 rpm with irrigation.

LENGTH	Ø 3 MM
③	FL 33
4	FL 43
5	FL 53
6	FL 63
7	FL 73
8	FL 83

ANGULOSINUS x6

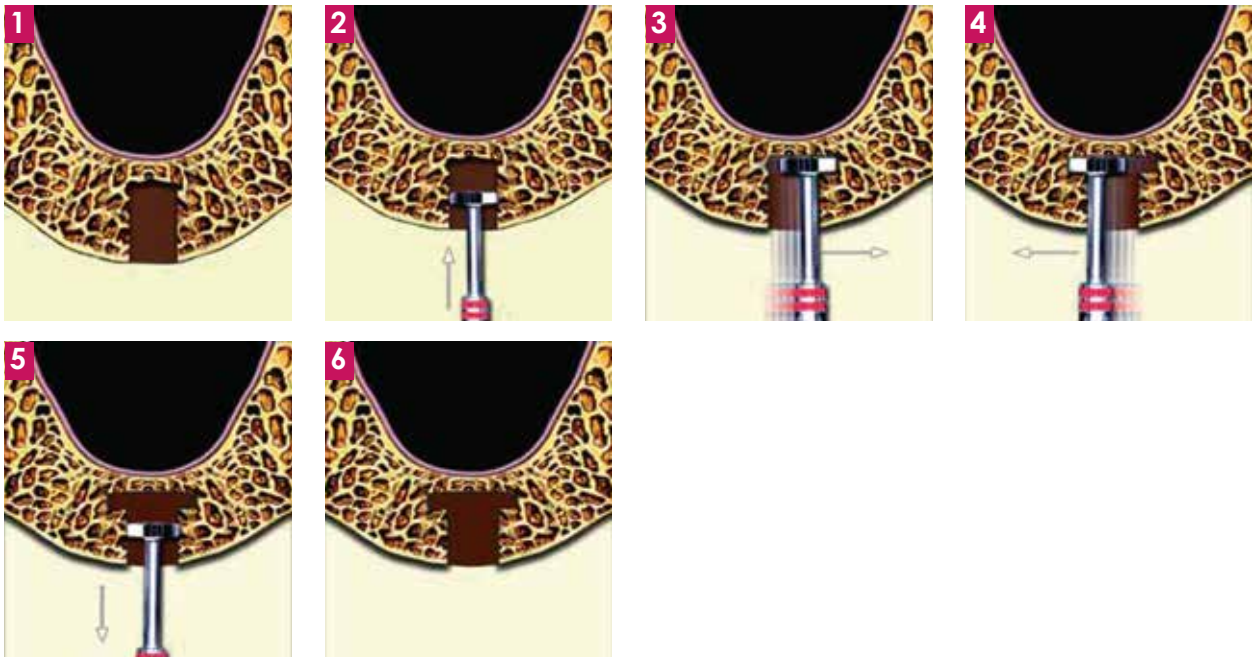
(angled osteotomes with a colour-coded depth stop)
Insert the Angulosinus into the osteotome, position the guide in the operating site and compact the bone using the slide mallet.

LENGTH	Ø 3 MM
③	AL 33
4	AL 43
5	AL 53
6	AL 63
7	AL 73
8	AL 83

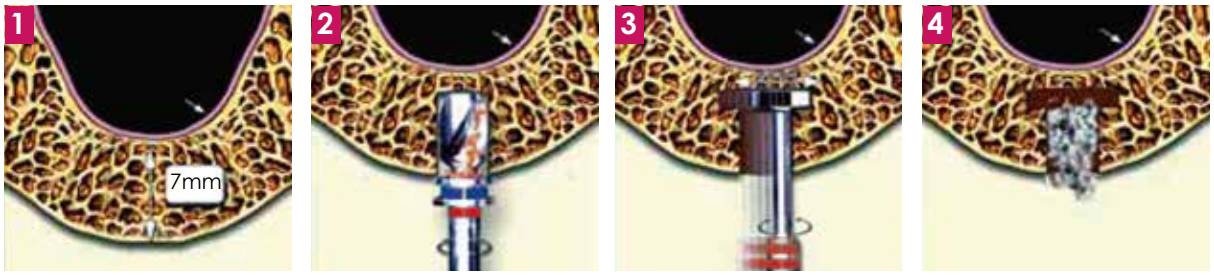
Important : the instruments Ø3mm are used for standard implants (Ø from 3, 5 to 4,4mm).

Non contractual photos and illustrations.

The **Diskosinus**



TECHNIQUE BY USING **FORSINUS**

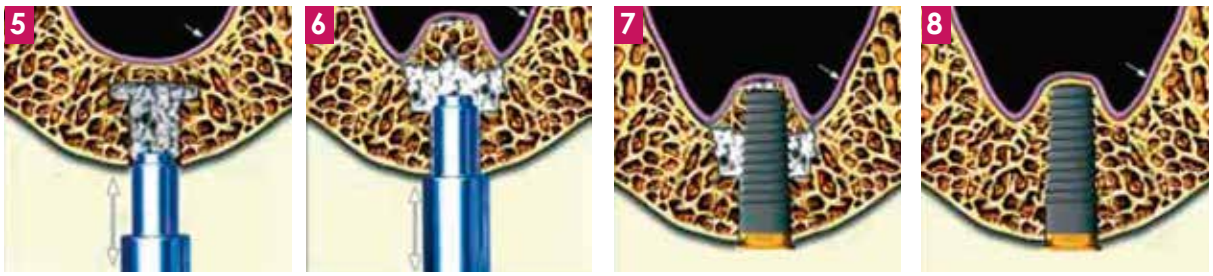


Select a suitable section on the X-ray of the implant site and measure the bone availability (here:7 mm).

Use the 6 mm long forsinus® drill (red ring on top) with a bone availability of 7 mm.

Use the diskosinus bladed wheel, rotating it slowly with a circular movement, to enlarge the bone base below the sinus and provide it which increased resilience.

Fill the cavity with filler material.



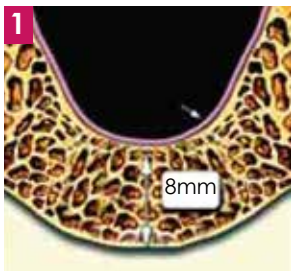
Attach a 7 mm long osteotome (red ring on top) to the Osteosinus and use the instruments to compact the bone. Sometimes in front of a very resistant bone, it is necessary to start compacting with a surgical hammer.

Repeat the procedure until 1.5 to 2 cubic centimeters of filler material has been inserted. This gently elevates the sinus membrane without tearing it.

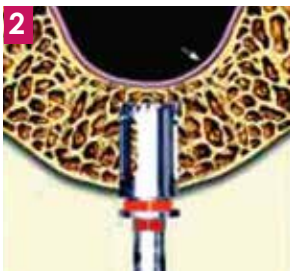
Then place the implant.

Allow a healing period of approx 8 months during which osseointegration is completed.

TECHNIQUE BY USING THE **TREPANOSINUS**



Select a suitable section on the X-ray of the implant site and measure the bone availability (here: 8 mm).



Use a 7 mm long trephine Trepanosinus® (red ring on top) with a bone availability of 8 mm.

Remove the trephine.

Depending on the composition of the operating site, select a straight or angled 8 mm long Osteosinus (yellow ring on top), attach it and use it to compact the bone cylinder. Sometimes because of a very resistant bone, it is necessary to start compacting with a surgical hammer.

Fill the cavity with the filler material.

Continue compacting the bone. The filler material gradually elevates the sinus membrane.

Place the implant after compacting approx. 2 cubic centimeters of the filler material.

Allow a healing period of approx. 8 months during which osseointegration is completed.

NOTE:
we recommend checking osseointegration with a scanner before loading the implant.

See the full information about the **Osteosinus**, and a sinus floor elevation by crestal approach **surgery video with the Osteosinus technique** on :
www.idi-dental.com/fr/produit/osteosinus