

TITAMED® UNI-Smile Distractor EXTRA

SURGICAL PROCEDURE

THE SEQUENCE OF THE SURGERY

Corticotomies: lateral - midline and posterior disjunction. Gentle mobilisation of the two separate halves of the jaw.
Placement of the Smile Distractor with two self-drilling screws between tooth nr. (14)-15-16 and (24)-25-26



Incision

Incision

The most appropriate position for the incision is between the premolar and molar or between the premolars. A cross palatal incision can be made.

The correct length of the distractor can be measured from bone to bone with the assistance of the dummies.



IT.0440



Horizontal positioning of the Distractor plates

Placement: Blockingnut (blue) always on the left side!

Place the Smile Distractor plates horizontally. The side of the Blocking nut is meant for the left side. Fix the Smile Distractor with a self-drilling screw between two roots on each side. (DSSA06 or DSSA07 - screwdriver IT.0315).



IT.0315



Activation of the Smile Distractor

Activation

The surgeon activates the Smile Distractor so that an opening is created of ± 0.5 to 1mm between the two central incisors. This is done by placing the key instrument (IT.0414) over the mid-section of the distractor and turning from front to back.



IT.0414



Locking Nut

Locking Nut

Turn the locking nut against the module of the distractor using the key instrument (IT.0414). It is important that the blocking nut does not remain in the gums during the surgery.



IT.0414

THE SEQUENCE OF THE DISTRACTION

1. A week after surgery, the activation of the Smile Distractor is started with the patient key (IT.0444). Turn the locking nut a little backwards so that the module isn't block by the nut. Then turn the distractor open until resistance can be felt on the bone and then turn an additional once or twice.

During the activation period (1 to 2 weeks), the patient must turn the module 1/3 of a rotation twice a day; this is about 0.6mm opening per day. With each turn, a new colour appears.



IT.0444

2. After the activation period, the locking nut must be tightened with some force. The easiest way to do this is with 2 patient keys: one on the module; and 1 on the locking nut; and then turn them in opposing directions. Leave the distractor in place for a period of 3 to 6 months.