

Smile Distraction

EXTRA Smile Distractor

“Giving people a nice Smile.”



EXTRA Smile Distractor

INTRODUCTION



INDICATIONS

Surgically assisted rapid maxillary expansion (SARME) is needed in skeletally matured patients (closed midpalatal suture), to correct a transverse maxillary deficiency or hypoplasia of more than 5 mm. This is frequently seen in adolescents and adults. Those patients are often seen with a unilateral or bilateral posterior crossbite and anterior dental crowding.

PRINCIPLES

1. Simple and efficient
2. Hygienic device
3. Small in all dimensions

TYPES

EXTRA Smile Distractor



EXTRA Smile Distractor

FEATURES



- Small and stable
- Bendable plates in the direction of the bone
- 4 pins for an excellent grip on the bone



- Easy placement
- Excellent fixation
- Selfdrilling
- Easy removable after treatment



- Hygienic
- Colour coded body
- Large expansion possibility



The screwdrivers and devices are well organised in a handy, but compact set.



ABUTMENTPLATES

SELFDRILLING SCREW FIXATION

MODULES

BOX



EXTRA Smile Distractor

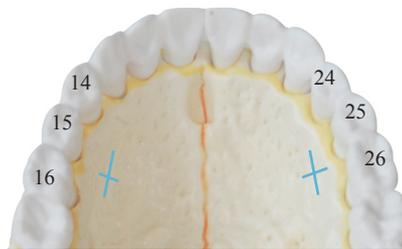
SURGICAL PROCEDURE



Sequence of the surgery

1. Corticotomies: lateral + midline (+ posterior disjunction)
2. Placement of the UNI-Smile Distractor with self-drilling screws between teeth n° (14)-15-16 and (24)-25-26

INCISION



A cross palatal incision or an L-incision, between premolar and molar or between premolars has shown to be the ideal location. The incision is made 1 cm downwards as indicated on the picture.

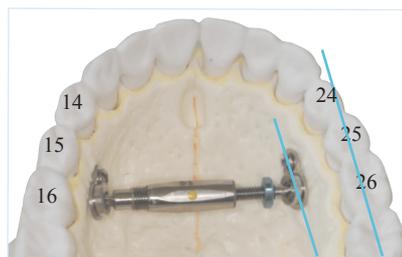
The correct distractor module can be measured bone to bone with the fitting models (IT0440).



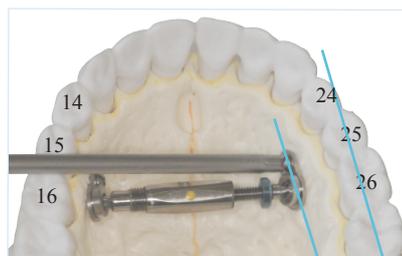
IT0440

PLACEMENT

Blocking nut (blue) always on the left



The abutment plates are placed horizontally. The blocking nut (blue side) is intended for the left side of the patient.



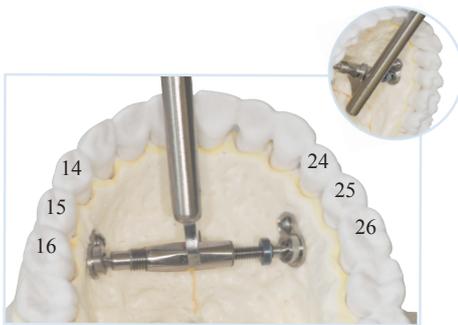
The Smile Distractor must be fixed to the palatal bone with a self-drilling screw on each side (DSSA06 or DSSA07 - screwdriver IT0315).



IT0315

EXTRA Smile Distractor

SURGICAL PROCEDURE



The surgeon must activate the Smile Distractor until the two front teeth have an opening of ± 1 mm. To do this, place the key instrument (IT0414) over the middle part of the distractor body and turn from the front to the back.



IT0414



ACTIVATION



Turn the blocking nut against the module of the distractor using the key instrument (IT0414). It is important that the blocking nut does not remain in the gums during the surgery.

BLOCKING NUT



Sequence of the distraction

1. A week after surgery, the activation of the Smile Distractor is started with the patient key (IT0444). Turn the blocking nut a little backwards so that the module isn't blocked 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 0.6 mm opening per day. With each turn, a new colour appears.

2. After the activation period, the blocking 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.



EXTRA Smile Distractor

PRODUCT INFORMATION



INSTRUMENTS



IT0315



IT0414



IT0440



IT0444



IT3006

Cat. No.	Description
IT0315	Titanium Screwdriver Hexagon
IT0414	Distractor EXTRA key instrument
IT0440	Fitting models EXTRA
IT0444	Dummies 4 pieces
IT3006	Patient Key EXTRA
IT3006	Inox organiser Smile S 24x12

EXTRA Smile Distractor

PRODUCT INFORMATION



Cat. No.	Description	Total expansion
DSE008	Module EXTRA Smile 8 mm	8 + 12
DSE011	Module EXTRA Smile 11 mm	11 + 18
DSE014	Module EXTRA Smile 14 mm	14 + 24



Cat. No.	Description	Ø
DSSA06	Self-Drilling Screw 6mm	2.3 mm
DSSA07	Self-Drilling Screw 7mm	2.3 mm

* used with screwdriver IT0315, hexagon



DISTRACTORS

SCREWS



EXTRA Smile Distractor

PATIENT INFORMATION



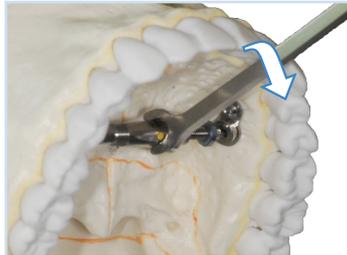
DOWNLOAD

Download the complete patient information at www.titamed.com

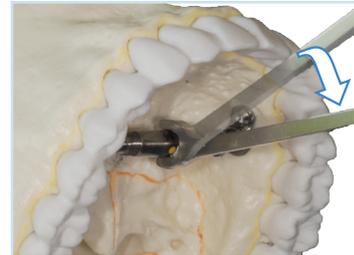


Situation during expansion with the UNI-Smile Distractor EXTRA

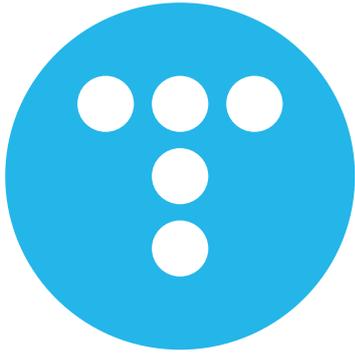
ACTIVATION



Push the key over the mid-section of the distractor and push down.



Turn a third of a rotation until the next colour appears. Do this twice daily.



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