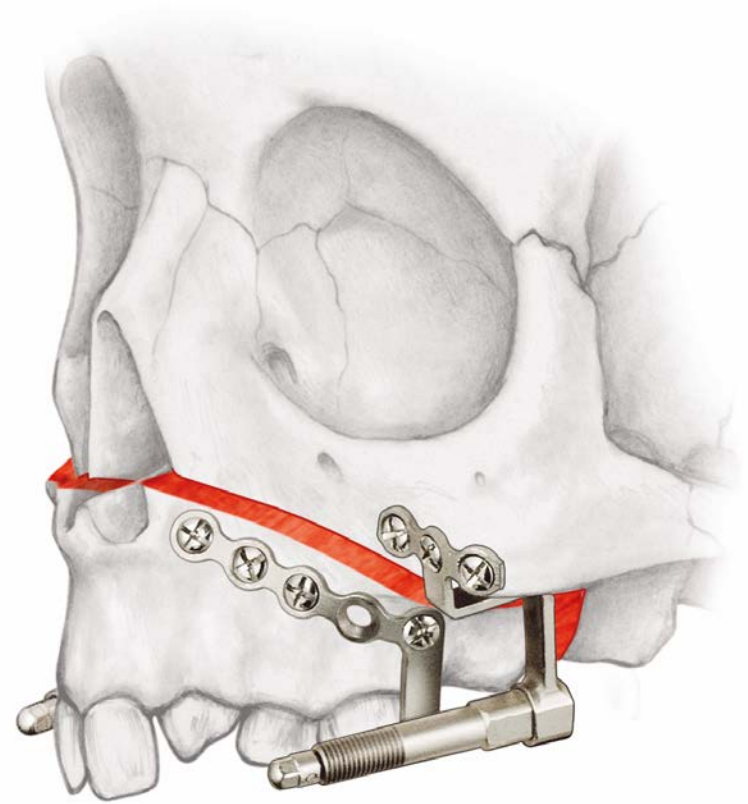
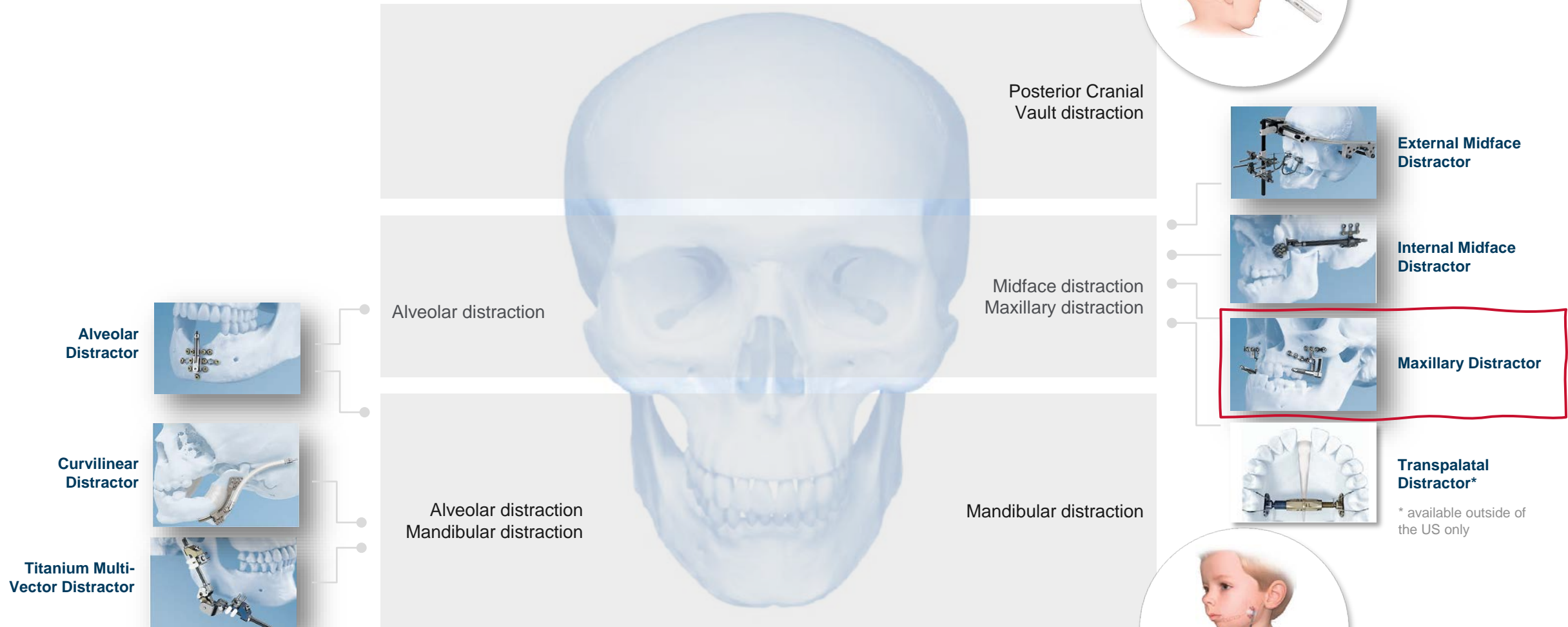


Maxillary Distractor

Paulina Schneider
Global Strategic Marketing



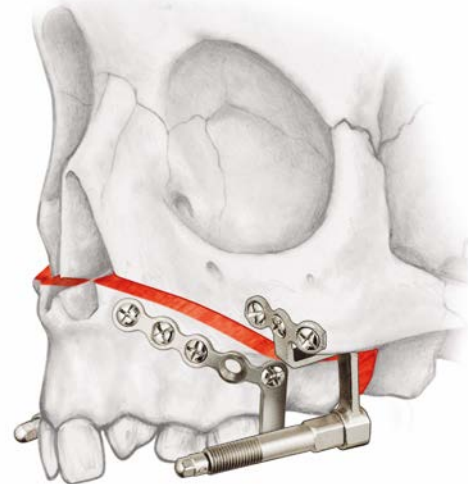
DePuy Synthes Distraction Portfolio



Maxillary Distractor

Introduction

A modular system for gradual advancement of the maxilla utilizing a LeFort I osteotomy



Maxillary Distractor

Indications & Contraindications

Intended use

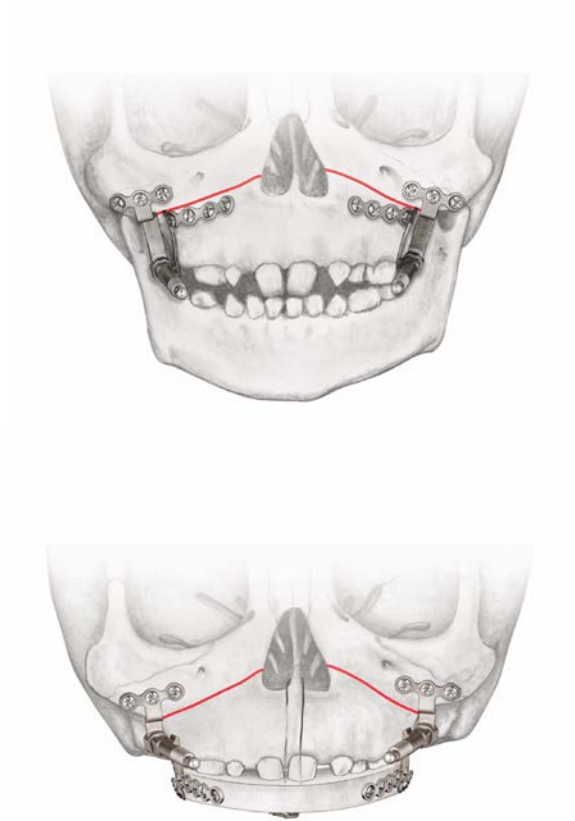
The Maxillary Distractor is intended for use as a bone stabilizer and lengthening device, where gradual bone distraction is required.

Indications

The Maxillary Distractor is indicated for use in craniofacial surgery, reconstructive procedures, and selective orthognathic surgery of the maxilla. Specifically, it is intended for distraction of the maxilla utilizing a LeFort I osteotomy in adult and pediatric populations.

Contraindications

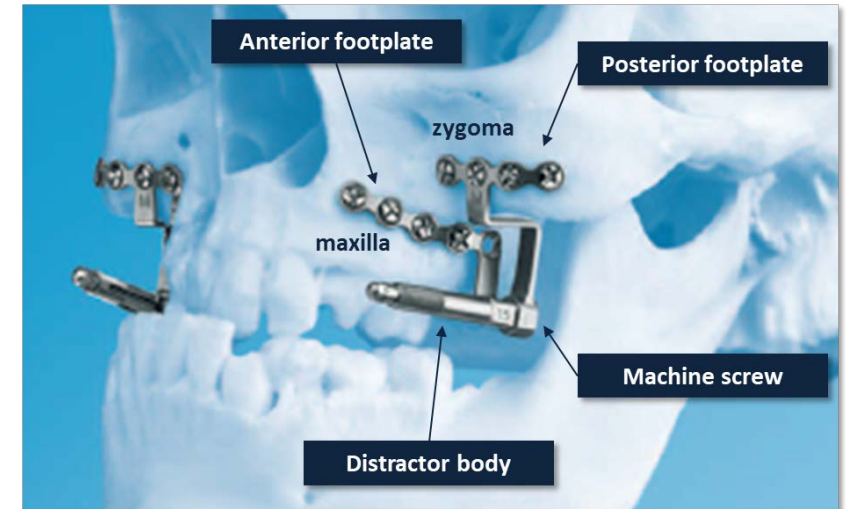
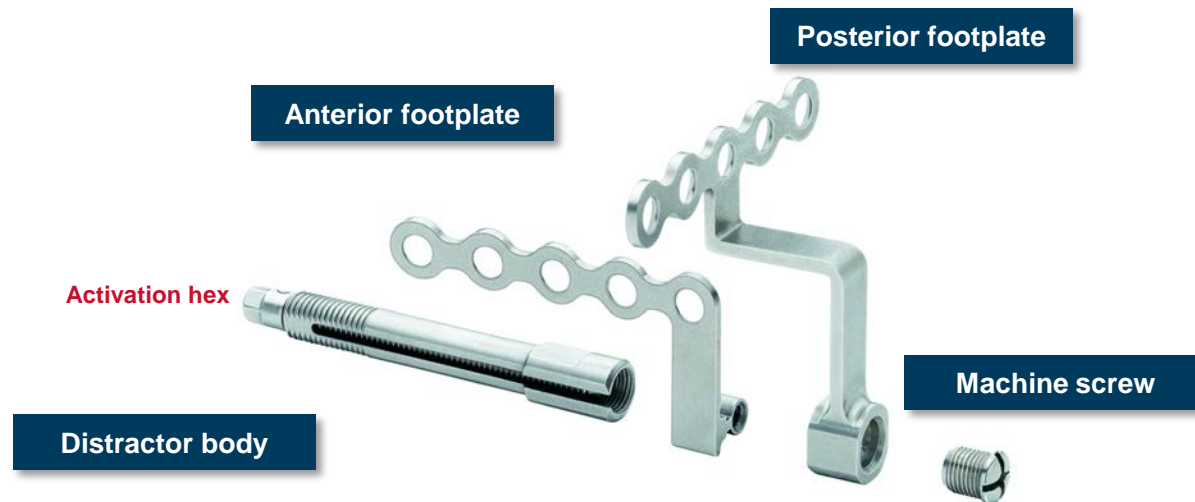
The Maxillary Distractor is contraindicated in patients previously sensitized to nickel.



Maxillary Distractor

Key Components

- **Modular system** with interchangeable components
- **Anterior footplate** is attached to maxilla or dental splint
- **Posterior footplate** is attached to zygoma
- All components are made of **Stainless Steel**



Maxillary Distractor

Key Components

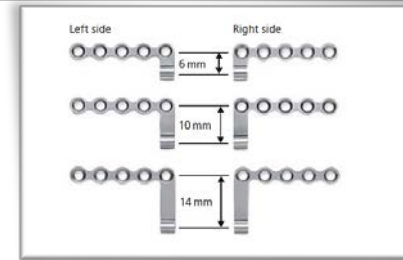
Distractor Body

- 4 different distraction **lengths available: 10, 15, 20, 25mm**
- “translating barrel” inside the distractor – the length of distractor is constant along the distraction phase (distractor body **does not telescope**).



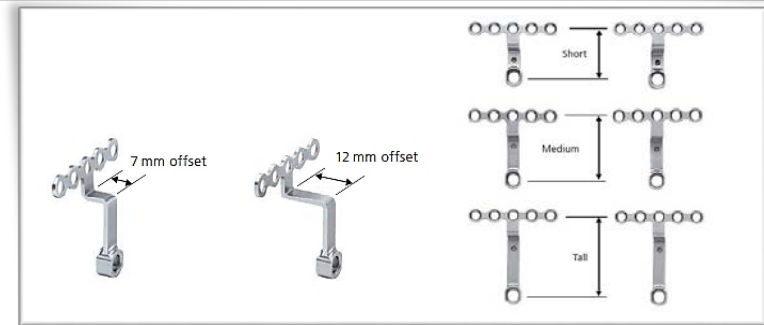
Anterior Footplate

- To be placed **below LeFort I osteotomy and above tooth roots or fixed to a dental splint**
- **3 different heights: 6, 10, 14mm**
- For **left and right side**



Posterior Footplate

- To be placed just **below the anterior inferior zygoma**
- 3 different **heights available: 15, 20, 25mm**
- **2 offsets available: 7 or 12mm offset**



Machine Screw

- holds construct together
- It has to be tightened before the implantation



Screws

- 2.0mm and 2.4mm self-tapping in **4 – 10 mm lengths**
- Stainless steel



Maxillary Distractor

Distractor Assembly

1

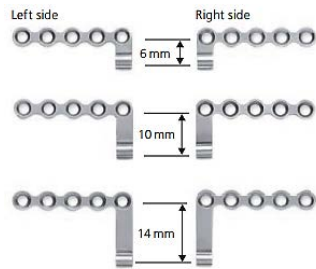
Choose distractor body



- Choose proper length **distractor body** according to the planned amount of distraction.

2

Choose anterior footplate



- Choose the **anterior footplate** size according to the treatment plan
- Take consideration to the patient's anatomy and screw placement.

3

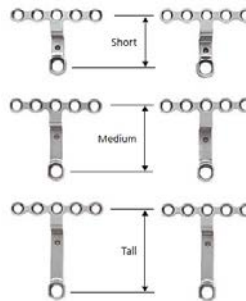
Insert anterior footplate



- Insert **anterior footplate** into the back of the distractor body.
- Ensure that screw holes are superior to distractor body for attachment to maxilla.
- Turn the activation hex counterclockwise to engage the anterior footplate (right assembly shown).

4

Choose posterior footplate



- Choose **posterior footplate** size according to the treatment plan.
- Take consideration to the patient's anatomy and screw placement.

5

Attach posterior footplate



- Attach the **posterior footplate** by engaging the distractor body into the posterior footplate.

6

Insert machine screw



- Using the Screwdriver Shaft 1.5/2.0, insert the 3.5 mm **machine screw through the posterior footplate** and into the distractor body, locking the construct together.
- Verify that the **machine screw** is fully seated in the distractor (right assembly shown)

- Once the distractor is fully assembled, ensure that the anterior footplate is in the "home" position by turning the activation hex clockwise until the **anterior footplate meets the posterior footplate**.
- Repeat steps 1 through 6 for the left assembly.

Maxillary Distractor

Key Messages



- Internal distractor for use in **maxilla** using LeFort I osteotomy
- Indicated for **adult and pediatric** patient
- Modular system:
 - Four **distractor lengths** allow 10 mm, 15 mm, 20 mm, or 25 mm advancements
 - **Three anterior footplate** heights for both **right and left** configurations
 - **Three posterior footplate** heights with **two offsets** to accommodate pediatric and adult populations
- Distractors may be attached to either the **maxilla or a dental splint**

