DISTRACTION
PRODUCT OVERVIEW

For a wide variety of facial applications
CRANIOFACIAL DISTRACTION

External Midface Distractor
Distraction of the maxilla, midface and cranium in adult and pediatric patients
User friendly - preassembled headframe saves time in OR
Versatile – Numerous adjustments and vector control
  • Anterior headframe slides forward along mounting plate
  • Headframe expands and closes symmetrically as a single unit
  • Variable positioning of vertical rod along front of headframe
Secure
  • Threaded tip design on cranial pins to reduce pin loosening
  • Cranial pin placement on multiple horizontal planes to resist downward titling of the headframe

Midface Distractor
Internal distraction of cranial and midfacial bones in adult and pediatric patients
Modular
  • Multiple anterior footplate designs to achieve desired vector
  • Footplate spans zygomaticomaxillary suture for central midface advancement
Versatile – variable positioning of posterior footplate for placement in good quality bone without limiting advancement capability

Maxillary Distractor
Internal distraction of the maxilla in adult and pediatric patients
Modular
  • Multiple anterior footplate heights to avoid tooth roots during screw placement
  • Multiple posterior heights with two offsets for correct positioning in intraoral cavity
Versatile – attaches to maxilla or dental splint
Strong – made of stainless steel for rigidity to maintain planned vector
MANDIBLE DISTRACTION

CMF Distractor
Internal distraction and bone transport of mandible in adult and pediatric patients including neonates

Modular
- Over 330 distractor configurations
- Four footplate sizes with corresponding bone screw diameters
- Mesh and cloverleaf footplates
- Elevated mesh to facilitate parallel placement of distractors

Versatile – variable positioning of distractor body relative to osteotomy

User friendly
- Flexible extension arms removed easily by an axial pull without a surgical procedure

Secure
- 2.0 mm footplates accept locking screws for added stability

Curvilinear Distractor
Internal distraction and bone transport of mandible in adult and pediatric patients including neonates

Design
- Advances and rotates the mandible along a curve to achieve both chin advancement and ramus lengthening.¹
- Prevents an anterior open bite secondary to distraction
- Closes an existing anterior open bite
- Tab indicates a half turn with activation instrument

Versatile
- 5 radii of curvature plus a straight distractor
- 2.0 mm and 1.3 mm sizes

User friendly
- Flexible extension arms removed easily by an axial pull without a surgical procedure

Secure
- 2.0 mm footplates accept locking screws for added stability

Multi Vector Distractor
External distraction and bone transport of mandible in adult and pediatric patients

**Design**
- Three dimensional postoperative vector adjustment
- Independent lengthening of ramus and body

**Modular**
- Multiple arm lengths and pin clamp sizes
- Multi-vector or single vector distraction

**User friendly**
- Color coded pin clamps simplify activation
- Distractor can be replaced with lightweight carbon fiber construct for consolidation phase
- Made of lightweight titanium alloy

Single Vector Distractor
Internal distraction of mandibular ramus

**User friendly**
- Detachable footplates for less invasive removal

Alveolar Distractor
Extraosseous vertical distraction of alveolar ridge

**User friendly**
- Angulation mechanism for easy intraoperative selection of desired vector

**Versatile**
- Variable positioning of distractor relative to defect; (centered or lateral)
- Use in mandible or maxilla

**Strong**
- Base plate with optional screw holes to help prevent unfavorable distraction vector changes due to soft tissue pull

Please refer to the product technique guide and package insert for complete instructions for use and full list of indications, contraindications, warnings and/or cautions.
Preoperative Planning

Synthes PROPLAN CMF® is a computer-aided surgical planning service for preoperative case visualization, which includes patient specific surgical guides to transfer the plan to the operating room.

Synthes PROPLAN CMF planning service allows:
- Live interactive planning session with a knowledgeable support team
- Surgeons to make critical clinical decisions preoperatively
- 2D and 3D visualization of preoperative patient anatomy and condition
- Cephalometric analysis
- Simulation of skeletal osteotomies
- Visualization of movement of osteotomized bone to desired post treatment position
- Identification of potential bone interferences
- Virtual placement of the distractor to determine the proper distractor size and placement
- Visualization of the clinical plan to validate the planned, clinical result
- Soft tissue simulation and (3D) photomapping

In addition to virtual case planning, Synthes PROPLAN CMF products and services include anatomic bone models, surgical guides and Synthes PROPLAN CMF Connect.
- Bone models are useful for bending distractor footplates preoperatively
- Surgical guides function as cutting and drilling guides to accurately transfer the plan to the OR
- PROPLAN CMF Connect is a web-based interface to manage and track PROPLAN CMF cases
Limited Warranty and Disclaimer: DePuy Synthes CMF products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.

WARNING: In the USA, this product has labeling limitations. See package insert for complete information.

CAUTION: USA Law restricts these devices to sale by or on the order of a physician.

Not all products are currently available in all markets.

Some devices listed in this brochure may not have been licensed in accordance with Canadian law. Please contact your sales consultant for items approved for sale in Canada.