Craniomaxillofacial (CMF) Distraction System
Unique Patients, Flexible Solutions
**Craniomaxillofacial (CMF) Distraction System**

A modular system for cranial and mandibular distraction provides intraoperative flexibility to accommodate surgeon and patient needs.

**Flexible Solutions to Meet the Needs of Each Patient**

One system. Four Indications. 1000+ configurations.

**Distractor bodies**

- **Anti-reversal mechanism**
  - Anti-reversal detent clip locate discretely within distractor body for consistent, smooth profile and reduced impact to soft tissue

- **No need for locking**
  - Anti-reversal mechanism does not require intraoperative locking to prevent backward rotation of the distractor
  - It can be readily activated in the correct direction by use of the Patient Activation Instrument

**Footplates**

- Footplates, screws and screwdriver blades are color coded to simplify the surgical workflow and may improve efficiency and decrease OR time

**Extension arms**

- **Designed to Limit Soft Tissue Interference**
  - Extension arms provide access to point of distractor activation from various distances
  - Rigid and flexible extension arms can be removed after the activation period
  - Flexible extension arms with in line removal to easily disengage in presence of soft tissue coverage

**Patient Activation Instrument**

- Patient Activation Instrument designed to prevent unintended device reversal

**Raised Head Screws**

- Raised Head Screws and Screwdriver Blades are designed to aid in screw removal from difficult to reach anatomical regions.
- Raised Head Screws and PLUSDRIVE® Screws can be used interchangeably
Our total solution seamlessly integrates virtual surgical planning and intraoperative patient-specific tools to help achieve your goals of:

- **Accuracy** through visualization of anatomy and identification of surgical challenges within a 3D planning environment, intraoperative patient-specific tools to accurately transfer the plan to the OR, and personalized implants.\(^{2,5,7}\)

- **Efficiency** through virtual surgical planning assisted by experienced clinical engineers to optimize preparation, surgical time and the number of procedural steps.\(^{1,3,5,10}\)

- **Patient Benefit** by striving to achieve satisfying aesthetic results and minimizing operative time.\(^{4,6,8,9,11}\)

Services and products available for distraction:

**Live interactive planning session** with a knowledgeable team of clinical engineers

**Anatomic Models** for bending distractor footplates preoperatively

**Surgical Guides** function as cutting and drilling guides to transfer the plan to the operating room

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**Products and services for distraction**:

- **SD900.006** Patient Specific Instrument and Planning Kit, Distraction
- **SD900.090** Planning Session only
- **SD900.092** Outcome Analysis Service
- **SD900.107** Patient Specific Guide, Distractor Positioning
- **SD900.201** Anatomical Model, Mandible, Clear
- **SD900.238** Planned Model, Maxilla - Cranium, Clear
- **SD900.266** Anatomical Model, Child, Mandible - Orbit, Clear

* powered by Materialise
** these articles cannot be ordered directly

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**References:**

Craniomaxillofacial (CMF) Distraction System
(not shown in actual size)

Distractor Bodies

**AB Distractor Bodies, End-activated (Center-translating)**
- 04.315.003 15 mm
- 04.315.004 20 mm
- 04.315.005 25 mm
- 04.315.006 30 mm
- 04.315.053 with Universal Joint, 15 mm
- 04.315.054 with Universal Joint, 20 mm
- 04.315.055 with Universal Joint, 25 mm
- 04.315.056 with Universal Joint, 30 mm

**BC Distractor Bodies, End-activated (End-translating)**
- 04.315.023 15 mm
- 04.315.024 20 mm
- 04.315.025 25 mm
- 04.315.026 30 mm
- 04.315.027 35 mm
- 04.315.028 40 mm
- 04.315.063 with Universal Joint, 15 mm
- 04.315.064 with Universal Joint, 20 mm
- 04.315.065 with Universal Joint, 25 mm
- 04.315.066 with Universal Joint, 30 mm
- 04.315.067 with Universal Joint, 35 mm
- 04.315.068 with Universal Joint, 40 mm

Removable Extension Arms

- 04.315.104 rigid, 20 mm
- 04.315.108 rigid, 40 mm
- 04.315.112 rigid, 60 mm
- 04.315.125 flexible, 30 mm
- 04.315.127 flexible, 40 mm
- 04.315.132 flexible, 60 mm

Footplates

**1.0 mm Footplates**
- 04.315.201 Mesh foot, A-Type
- 04.315.202 Mesh foot, B-Type
- 04.315.203 Mesh foot, C-Type

**1.3 mm Footplates**
- 04.315.301 Mesh foot, A-Type
- 04.315.302 Mesh foot, B-Type
- 04.315.303 Mesh foot, C-Type
- 04.315.311 Cloverleaf foot, A-Type
- 04.315.312 Cloverleaf foot, B-Type
- 04.315.313 Cloverleaf foot, C-Type
- 04.315.321 Elevated Mesh, B-Type 5.5 mm
- 04.315.322 Elevated Mesh, B-Type 7.5 mm
- 04.315.323 Elevated Mesh, C-Type

**1.5 mm Footplates**
- 04.315.401 Mesh foot, A-Type
- 04.315.402 Mesh foot, B-Type
- 04.315.403 Mesh foot, C-Type
- 04.315.411 Cloverleaf foot, A-Type
- 04.315.412 Cloverleaf foot, B-Type
- 04.315.413 Cloverleaf foot, C-Type
- 04.315.421 Elevated Mesh, B-Type 5.5 mm
- 04.315.422 Elevated Mesh, B-Type 7.5 mm
- 04.315.423 Elevated Mesh, C-Type

**2.0 mm Footplates**
- 04.315.501 Mesh foot, A-Type
- 04.315.502 Mesh foot, B-Type
- 04.315.503 Mesh foot, C-Type
- 04.315.511 Cloverleaf foot, A-Type
- 04.315.512 Cloverleaf foot, B-Type
- 04.315.513 Cloverleaf foot, C-Type
- 04.315.521 Elevated Mesh, B-Type 5.5 mm
- 04.315.522 Elevated Mesh, B-Type 7.5 mm
- 04.315.523 Elevated Mesh, C-Type

Raised Head Screws PLUSDRIVE®

<table>
<thead>
<tr>
<th>Screw Ø</th>
<th>Screw Type</th>
<th>Length (mm)</th>
<th>Drill Bit Ø</th>
<th>Screw Ø</th>
<th>Screw Type</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 mm</td>
<td>Self-tapping 4, 6, 8</td>
<td>0.76 mm</td>
<td>1.2 mm Self-tapping 4, 6, 8</td>
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<tr>
<td>1.3 mm</td>
<td>Self-drilling 4, 6, 8, Self-tapping 8, 10, 12</td>
<td>1.0 mm</td>
<td>1.7 mm Self-tapping 4, 6, 8, 10, 12</td>
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<tr>
<td>1.5 mm</td>
<td>Self-drilling 4, 6, 8, Self-tapping 10, 12</td>
<td>1.1 mm</td>
<td>2.0 mm Self-tapping 4, 6, 8, 10, 12</td>
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<tr>
<td>2.0 mm</td>
<td>Self-drilling 4, 6, 8, Self-tapping 10, 12</td>
<td>1.5 mm</td>
<td>2.4 mm Self-tapping 5, 6, 8, 10, 12</td>
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</tr>
</tbody>
</table>

Emergency screw Raised Head Screws PLUSDRIVE®

- 0.76 mm Self-tapping 4, 6, 8
- 1.2 mm Self-tapping 4, 6, 8
- 1.0 mm Self-tapping 4, 6, 8, 10, 12
- 1.1 mm Self-tapping 4, 6, 8, 10, 12
- 1.5 mm Self-tapping 5, 6, 8, 10, 12

DePuy Synthes

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