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Thermo-Plastic template for dental implant installation

- Making precise surgical guide in minutes using hot water
- Disposable device improves infection control
- Titanium sleeve is compatible with guide drill and final drill

Polymer Guide

Thermoplastic Guide Template
It is possible to manufacture an accurate surgical template in minutes simple and easy. Therefore, to reduce lab working time and chair-side can be fabricated.

Fully Compatible with Dentium Drill System
Metal Sleeve can be Final Drill diameter for implantation Ø3.4 fixture basically has been applied, applying the First / Second Guide Drill using the adapter.

Suitable Shape of Guide
Polymer Guide is designed to have a maximum contact area with adjacent teeth and to allow adequate field of view during implant surgery.

Improves Infection Control
Because it is a disposable instrument, Polymer guide is free to infection.

Drilling a hole in stone model
Insertion of Guide Pin
Making precise surgical guide in minutes using hot water
More than 65°
Application of Polymer Guide in stone model
Removal of Guide Pin
Position the Polymer Guide in oral cavity and drilling with Final drill
### Single Standard (5ea)

<table>
<thead>
<tr>
<th>T</th>
<th>Art. No.</th>
</tr>
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<tbody>
<tr>
<td>2.5</td>
<td>XSG 34 35 S</td>
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### Cantilever Multi-Ready (5ea)

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<tr>
<td>2.5</td>
<td>XSG 34 45 C</td>
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</table>

- **Stone Drill**  
  - Art. No.: XGD 23 60  (Sea)
- **Guide Pin**    
  - Art. No.: XGP 34 23 S  (Sea)
- **Guide Drill Bushing (First)**  
  - Art. No.: XPGB 19 26  (1ea)
- **Guide Drill Bushing (Second)**  
  - Art. No.: XPGB 26 34  (1ea)
- **Additional Metal Sleeve**  
  (for Cantilever Multi-Ready)  
  - Art. No.: XPGS 34 25 A  (Sea)
Implant Guide

Surgical guide to using silicon spacer and unique parallel pin

- Implant drill position guide which considers Mesiodistal width and position of the edentulous area
- Parallel pins and Spacers are configured to fit the average of tooth width

It is able to check prosthetic width and position, and select the position of implant.

Guide Drill holes help you to be drilling in the correct implant position.

The three vertices length of Tripod Parallel Pin are the distance between multiple implant axis, considering the prosthesis width.
**Kit Contents**

- **Guide drill**  
  XLD 22 35S

- **Spacer**  
  XLDSP 60S  XLDSP 70S  XLDSP 80S  XLDSP 90S  XLDSP 01S

- **Ellipse Parallel Pin (x2)**  
  XPP 2226 50G  XPP 2226 70G  XPP 2226 90G  XPP 2226 11G

- **Tripod Parallel Pin**  
  XPP 2226 1416G  XPP 2226 1719G

[ Unit: mm, Scale 1 : 1 / mm ]
**Spacer**

<table>
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<td>Ø 6</td>
<td>XLDSP 60S</td>
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<tr>
<td>Ø 7</td>
<td>XLDSP 70S</td>
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<td>Ø 8</td>
<td>XLDSP 80S</td>
</tr>
<tr>
<td>Ø 9</td>
<td>XLDSP 90S</td>
</tr>
<tr>
<td>Ø 10</td>
<td>XLDSP 01S</td>
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**Ellipse Parallel Pin**

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<tr>
<td>Ø 4 / Ø 5</td>
<td>XPP 2226 50G</td>
</tr>
<tr>
<td>Ø 6 / Ø 7</td>
<td>XPP 2226 70G</td>
</tr>
<tr>
<td>Ø 8 / Ø 9</td>
<td>XPP 2226 90G</td>
</tr>
<tr>
<td>Ø 10 / Ø 11</td>
<td>XPP 2226 11G</td>
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**Tripod Parallel Pin**

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<td>14 / 15 / 16</td>
<td>XPP 2226 1416G</td>
</tr>
<tr>
<td>17 / 18 / 19</td>
<td>XPP 2226 1719G</td>
</tr>
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</table>
Surgical Guide
Clinical Case & Manual

Polymer Guide & Implant Guide
Case 1: Polymer Guide + SuperLine + OSTEON™ II Collagen

Pre-op

Application of Polymer Guide
Single Standard

Drilling
Harvest Drill

implantation
SuperLine 7008 SE

Application of graft material
OSTEON™ II Collagen

2 weeks healing

Post-op
Case 2: Polymer Guide + SuperLine + OSTEON™ II Collagen

Pre-op

Application of Polymer Guide
Cantilever Multi-Ready

Drilling

Parallel Pin

2 weeks healing

Post-op

6 months healing and temporary
Case1_ RS Kit + Implant Guide + NR Line + Sinus Elevator + OSTEON™ II

Pre-op

Expansion with Bone Chisel

Expansion with Implant Guide
Expanding alveolar bone ridge to make Space for fixture

Implantation & Sinus elevation
NR Line 3011W & Sinus elevator

Application of graft material
OSTEON™ II Lifting

Implantation
NR Line 4309S

Application of graft material
OSTEON™ II

Barrier membrane application
Collagen Membrane

5 weeks healing

Post-op

4 months healing
Case2_ Implant Guide + NR Line + OSTEON™ II + OSTEON™ II Collagen

The maxillary sinus is opened via a lateral window
Guide drilling after connecting the spacer with the Guide drill
Fixture Installation NR Line

Placement of Tripod Parallel Pin
Guide drilling using the Tripod Parallel Pin
Implants place with bone graft filling OSTEON™ II

Bone graft using OSTEON™ II Collagen
2 weeks healing
Post-op
Case 3: Ellipse & Tripod parallel pin manual

**Single Case**

1. Incision
2. **Guide Drilling**
   - Connecting the spacer to the Guide drill
3. **Application of Ellipse Parallel Pin**
4. **Final Drilling**
   - Ø 3.0 – Ø 5.0
5. **Countersink**
   - Ø 5.0
6. **Fixture Installation & Healing**
   - SuperLine FX5010
7. **Dual Abutment Connection**
8. **Final Prosthesis**

**Multiple Case**

1. **Guide Drilling**
   - Connecting the spacer to the Guide drill
2. **Guide Drilling**
   - Connecting the Tripod Parallel Pin to the Guide drill
3. **Final Drilling**
   - Ø 3.0 – Ø 3.6
4. **Final Drilling**
   - Ø 3.0 – Ø 5.0
5. **Fixture Installation & Healing**
   - NR Line GFX3611S / GFX5011S
6. **Dual Abutment Connection**
7. **Final Prosthesis**