Products for Dentistry

OSUNG Catalogue 2017/2018

Endodontic
# Products for Dentistry

## OSUNG Catalogue 2017-2018

### ENDO DONTIC

<table>
<thead>
<tr>
<th>Cavity Preparation</th>
<th>Intraligamentary Syringe</th>
<th>188</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Endo Explorer</td>
<td>188</td>
</tr>
<tr>
<td></td>
<td>Broach Holder</td>
<td>188</td>
</tr>
<tr>
<td></td>
<td>Endodontic Excavator</td>
<td>189</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Endodontic</th>
<th>Spreader</th>
<th>190</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Magnifying Mirror</td>
<td>192</td>
</tr>
<tr>
<td></td>
<td>Locking Plier</td>
<td>190</td>
</tr>
<tr>
<td></td>
<td>Root Canal Plugger</td>
<td>191</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rubber Dam Instrument</th>
<th>Rubber Dam Sheet</th>
<th>192</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rubber Dam Puncher/Frame</td>
<td>193</td>
</tr>
<tr>
<td></td>
<td>Rubber Dam Clamp</td>
<td>193</td>
</tr>
</tbody>
</table>

| Root Canal Treatment     | Manual                    | 197  |
Endodontic Intraligamentary Syringe · Endo Explorers · Broach Holder

**Intraligamentary Syringe**

- Designed to incorporate a leverage factor which enables the syringe to develop the high injection pressure required for intraligamentary anesthesia, without undue operator fatigue.
- One complete squeeze of the trigger releases one dose (0.2cc), which is sufficient to anesthetize a single root tooth for 30 minutes to one hour.

**Endodontic Explorer**

- Autoclavable

- [2EXD5-8](#) · Silicone Handle/Double-End

- [2EXDG16](#) · Silicone Handle/Double-End

- [EXDG16](#) · Metal Handle/Double-End

**Broach Holder**

- Used for holding broach files.
- Trisection chucking structure for powerful grip.
- 10pcs
Endodontic Excavators

The shank of the tip is long enough so that it can reach canals. To curette inside of tooth to base of pulp chamber.

**Plastic Handle / Double-End**

<table>
<thead>
<tr>
<th>Type</th>
<th>Shank Size</th>
<th>Image</th>
</tr>
</thead>
</table>
| 3EXC31L | 1.0mm | ![Image](3EXC31L)
| 3EXC32L | 1.5mm | ![Image](3EXC32L)
| 3EXC33L | 2.0mm | ![Image](3EXC33L)

**Metal Handle / Double-End**

<table>
<thead>
<tr>
<th>Type</th>
<th>Shank Size</th>
<th>Image</th>
</tr>
</thead>
</table>
| EXC31L | 1.0mm | ![Image](EXC31L)
| EXC32L | 1.5mm | ![Image](EXC32L)
| EXC33L | 2.0mm | ![Image](EXC33L)
Endodontic

Spreaders • Magnifying Mirrors • Locking Plier

Metal Handle / Single-End

SR16

SRMA57

Magnifying Mirror

DMSS4
SS Type
- Simple Stem No.4 (22mm)
- 3 times magnified
- 5pcs

DMMCS4
CS Type
- Cone Socket No.4 (22mm)
- 3 times magnified
- 5pcs

Endo Locking Plier

EAPCU.155
- Length: 155mm (±5mm)
Endodontic

Root Canal Pluggers

**Metal Handle / Double-End**
- Used to compact filling material during vertical condensation.

- Ø0.4
- Ø0.75
- Ø1.15
- Ø1.1

**Metal Handle / Single-End**

- S-16, 15-20
- Ø0.55
- S-16, 15-20
- Ø0.75
- S-16, 15-20
- Ø1.05
Endodontic

Rubber Dam Sheet • Rubber Dam Set

Rubber Dam Sheet

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>152mm X 152mm</td>
</tr>
<tr>
<td><strong>Unit</strong></td>
<td>36unit / Box</td>
</tr>
<tr>
<td><strong>Thickness</strong></td>
<td>Thin: 0.14mm</td>
</tr>
<tr>
<td></td>
<td>Medium: 0.18mm</td>
</tr>
<tr>
<td></td>
<td>Heavy: 0.22mm</td>
</tr>
<tr>
<td><strong>Edge</strong></td>
<td>Square</td>
</tr>
<tr>
<td><strong>Physical intensity</strong></td>
<td>Tensile strength : 24.0 MPA/min</td>
</tr>
<tr>
<td><strong>Maximum tension</strong></td>
<td>700%/mm</td>
</tr>
<tr>
<td><strong>Powder remainder</strong></td>
<td>5.0mg or less/per sheet</td>
</tr>
<tr>
<td><strong>Scent</strong></td>
<td>Mint</td>
</tr>
</tbody>
</table>

DA614GM
Rubber Dam Sheet 6x6, Thin
- Size: 152mm X 152mm
- Thickness: 0.14mm, Thin

DA618GM
Rubber Dam Sheet 6x6, Medium
- Size: 152mm X 152mm
- Thickness: 0.18mm, Medium

DA622GM
Rubber Dam Sheet 6x6, Heavy
- Size: 152mm X 152mm
- Thickness: 0.22mm, Heavy

Rubber Dam Set

- Frame 2pcs, Clamp Set, Punch, Pler with a stainless steel cassette.
Endodontic

Rubber Dam Punch - Rubber Dam Plier - Rubber Dam Frames

Rubber Dam Punch

RDPN1

- To punch hole on Rubber Dam

General type  New type

* Greatly improve the cutting force with prolonged durability by using a spring type punch pin with 3D flexibility. It provides excellent tactile sensitivity with great performance even for long-term use with repetitive stress.

* GUNG Rubber dam punch can cut the small hole to large hole on rubber dam uniformly due to 3D deformation and resistant spring structure unlike existing punches which consist of hard type punch pin.

Hole size
Ø0.8~Ø1.0~Ø1.4~Ø1.6~Ø1.8~Ø2.0~Ø2.3

Rubber Dam Plier

RDPL1

- For mounting rubber dam clamp to tooth

It can cause permanent deformation to a Rubber Dam Clamp if you widen plier over max line.

Rubber Dam Frame

RDFR1  RDFR2

105mm  123mm
Rubber Dam Clamps

**Rubber Dam Clamp**

**RDCSET**
- Rubber Dam Clamp Set
- Including sterilization stand
- 9 kinds of clamp

**RDSTD2**
- Clamp Stand
- Sterilization stand

---

**Character**

1. Designed not to press the peripheral soft tissue during setting on tooth. (In case of current type, the beak of clamp presses the gingival severely occasionally)
2. The hole and furrow are formed to take out rubber by instrument easily.
3. Metal which is hard and has high durability is used so clamping force is superior.

---

**Practice**

As it fits teeth very well, there is no gap between tooth & clamp. Also it doesn't press soft tissue too much thanks to its special design.

---

The stand has long posts to pile clamps

Added spare posts for additional capacity.

Pile up anterior 210, 211 by 6ea, other clamps by 7ea.
## Rubber Dam Clamps

### Anterior Adult

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDC210</td>
<td>Rubber Dam Clamp, 210</td>
</tr>
<tr>
<td></td>
<td>- For adult anterior</td>
</tr>
<tr>
<td></td>
<td>(Upper jaw)</td>
</tr>
<tr>
<td>RDC211</td>
<td>Rubber Dam Clamp, 211</td>
</tr>
<tr>
<td></td>
<td>- For adult anterior</td>
</tr>
<tr>
<td></td>
<td>(Lower jaw)</td>
</tr>
</tbody>
</table>

### Premolar Adult

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDC2</td>
<td>Rubber Dam Clamp, 2</td>
</tr>
<tr>
<td></td>
<td>- For adult premolar</td>
</tr>
<tr>
<td>RDC2A</td>
<td>Rubber Dam Clamp, 2A</td>
</tr>
<tr>
<td></td>
<td>- For adult premolar</td>
</tr>
<tr>
<td>RDC207</td>
<td>Rubber Dam Clamp, 207</td>
</tr>
<tr>
<td></td>
<td>- For adult premolar</td>
</tr>
</tbody>
</table>

### Molar Adult

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDC201</td>
<td>Rubber Dam Clamp, 201</td>
</tr>
<tr>
<td></td>
<td>- For adult molar</td>
</tr>
<tr>
<td></td>
<td>(Upper jaw)</td>
</tr>
<tr>
<td>RDC202</td>
<td>Rubber Dam Clamp, 202</td>
</tr>
<tr>
<td></td>
<td>- For adult molar</td>
</tr>
<tr>
<td></td>
<td>(Lower jaw)</td>
</tr>
</tbody>
</table>

### Molar Child

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDC203</td>
<td>Rubber Dam Clamp, 203</td>
</tr>
<tr>
<td></td>
<td>- For pedo primary tooth</td>
</tr>
<tr>
<td></td>
<td>(Upper jaw left, lower jaw right)</td>
</tr>
<tr>
<td>RDC204</td>
<td>Rubber Dam Clamp, 204</td>
</tr>
<tr>
<td></td>
<td>- For pedo primary tooth</td>
</tr>
<tr>
<td></td>
<td>(Upper jaw right, lower jaw left)</td>
</tr>
</tbody>
</table>
**Endodontic**

**Endo Ruler • Endo File Boxes**

**Endo Bath**

It holds up to 44 files and reamers for autoclave sterilization.

**EAA1**

Endo Bath, Silver
- Size 78 x 60(H) mm

**Endo Can**

It is a small sized box for each patient for preventing infection. It holds up to 20 files and reamers for autoclave sterilization.

**EAB1**

Endo Can, Silver
- Size 46 x 60(H) mm
Root Canal Treatment

Treatment to remove the dental pulp and seal it with dental materials to reduce the pain and maintain the teeth in function in case of tooth pain including dental carious or external irritation.

Rubber Dam Clamp

Specially developed clamp, to improves the disadvantages of current standard clamps. Hole and furrow are formed to easily bend the rubber back. Designed for not pressing surrounding soft tissues when placing the clamp in position.
Arrangement

1. Anesthesia Syringe
   SAF1 ........................................... P.074
2. Rubber Dam KIT
   RDCSET, RDPN1, RDP1 .................... P.192
   RDFR2,DAE14GM
3. Intraligamentary Syringe
   SAE1 ........................................... P.188
4. ENDO Z-Bur
   220AE2-016C ................................. P.219
5. Endodontic Spoon Excavator
   (Long-Shank Spoon Excavator)
   EXC32L ......................................... P.189
6. Endodontic Explorer
   EXDG16 ......................................... P.188
7. Broach Holder
   BRH ............................................... P.188
8. (File)
9. (NaOCl Saline Syringe)
10. Endo Locking Plier
    EAPCUL155 .................................... P.190
11. Canal Spreader
    SRI1 ........................................... P.190
12. Canal Plugger
    RCP1-3, RCP5-7, RCP9-11 ............... P.191
13. Plastic Filling Instrument
    PFWDS2 ....................................... P.169

Process

01. Local anesthesia
02. Isolation and moisture control
03. Intraligamentary anesthesia
04. Access cavity preparation
   (Pulp chamber opening and removal of pulp chamber roof)
05. Access cavity preparation
   (Removal of all the pulp chamber contents)
06. Access cavity preparation
   (Identify the location and number of root canal orifice)
Endodontic

Root Canal Treatment

03.

07. Pulp extirpation
08. Measuring working length and root canal preparation (Canal enlargement)

04.

09. Root canal preparation (Canal irrigation)
10. Root canal drying and intracanal medicaments

05.

11. Canal filling (Lateral compaction of gutta-percha)
12. Canal filling (Vertical compaction of gutta-percha)

06.

13. Sealing

PRODUCTS FOR DENTISTRY
Endodontic

Root Canal Treatment

Practice

01. Local anesthesia

- Used
  Local anesthesia syringe. Harpoon type syringe provides stable aspiration during nerve block anesthesia.

- Character
  Harpoon is designed to hold the rubber plunger of the cartridge, and thumb ring is designed to make negative pressure for aspirating.

Anesthesia Syringe SAF I

1. Choose a local anesthetic ampoule based on the patient's condition and the dentist's decision.
2. Check the validity period, whether the ampoule is cracked and the integrity of the rubber packing.
3. Make sure that the thumb ring of the syringe and the screw hub are tight.
4. Hold the syringe with one hand and put the plunger back to insert a local anesthetic ampoule.
5. Remove the short side protection cap on the needle and secure it by screwing it onto the screw on the syringe hub. (At this time, the cap of the needle is not removed.)
6. Press the plunger that is pulled back so that the needle passes through the rubber septum. (Be careful not to bend the tip of the needle.)
7. Make sure that no air bubbles are generated.
8. Examine the treatment site.

Rubber Dam KIT ROCSET

- Used
  Prevent contamination of treatment site caused by soft tissue damage due to medication and saliva by complete dry field technique for isolating the treatment site during conservative restorative treatment.

- Character
  Using rubber dam frame, rubber dam clamp, rubber dam punch and rubber dam plier.

How to use

1. Check the tooth position and punch the sheet.
2. Pick an appropriate clamp and attach it to the sheet with the clamp bow facing the distal side.
3. Carry the rubber dam clamp to the tooth neck with forceps, and its tips are inserted into clamp hole, steady open the clamp and positions the clamp around the tooth to be treated, being careful not to damage the gingival tissues.
4. Stretch and fix the frame to tighten the rubber dam sheet.
5. Bend the rubber dam on the clamp wing under the wing with explorer. (The dental floss may be tied to the clamp to prevent the accidental swelling of rubber dam clamp.)

PRODUCTS FOR DENTISTRY
03. Intraligamental anesthesia

- **Used**
  For periodontal ligament anesthesia of individual tooth.

- **Character**
  Gun-type.

---

**Intraligamentary Syringe, SAE1**

**How to use**

The needle is introduced into the each tooth axis with a degree of 10-30, hold the handle and pull the trigger to inject a minimal amount of anesthetic solution.

---

04. Access cavity preparation

(Pulp chamber opening and removal of pulp chamber roof)

- **Used**
  Ideal for opening of pulp chamber.

- **Character**
  Diamond coated ball end.

**ENDO Z-bur**

**How to use**

Endo Z-burs fit into a high speed dental handpiece.

---

05. Access cavity preparation

(Removal of all the pulp chamber contents)

- **Used**
  It is used to allow removal of all the pulp chamber contents.

- **Character**
  Regular spoon excavator form. Very long shank to reach into the pulp chamber.

**Endodontic Spoon Excavator, EXC30L**

**How to use**

Insert the spoon excavators to the pulp chamber floor and remove the tooth structure and pulp.

---

**Products for dentistry**
Endodontic

06. Access cavity preparation
(Identify the location and number of root canal orifice)

- **Used**
  Used to probe and detect canal openings within the pulp chamber.

- **Character**
  Double ended, both long and slender tips.

---

07. Pulp extirpation

- **Used**
  Insert disposable smooth broach and bared broach into the broach holder for dressing a canal or extracting the pulp.

- **Character**
  Straight locking nut shaped.

---

08. Measuring working length and root canal preparation (Canal enlargement)

---

09. Root canal preparation (Canal irrigation)

---

10. Root canal drying and intracanal medicaments

- **Used**
  It is used to grasp and lock materials for transfer into and out of oral cavity.

- **Character**
  Tweezer shaped locking mechanism to secure material on the working end.

---

How to use

**Endodontic Explorer EXDG16**
Grasp it with Pen Grasp and exploring the canal orifice.

**Broach Holder BRH**
Prior to use, insert the broach into the broach holder and turn clockwise to lock. In order to loosen the broach, turn it in a counterclockwise direction after use.

**Endo Locking Plier EAPCUL155**
Grasp the material and press the lock to secure it.
Endodontic

11. Canal filling (Lateral compaction of gutta-percha)

- **Used**
  Used to compress gutta percha and sealer filling material against the sides of the canal to make room for additional gutta percha cones and sealer.

- **Character**
  It has a slender tip and the size varies with the shape of the canal and the gutta-percha cone.

- **How to use**
  Correctly grip the canal spreader using proper pen grasp. Insert the spreader and laterally compact both point of gutta-percha.

- **Select the spreader that matches the shape of the canal, insert it between gutta-percha cone and move it to the left and right to apply the lateral pressure.**

12. Canal filling (Vertical compaction of gutta-percha)

- **Used**
  Canal plugger used to compact the inserted gutta percha cone that is cut off at the tip into the root canal during vertical condensation.

- **Character**
  Flat working end and the size varies with the shape of the canal and the gutta-percha cone.

- **How to use**
  Use proper pen grasp, vertically compact the gutta-percha cone to fill root canals.

- **Place the proper plugger in the centre of the gutta-percha cone and carefully push down the canal in one shot. Compact gutta-percha cone vertically until the canal is filled.**

- **Remove excess gutta-percha cone from the canal orifice with a heated RCP#1 plugger.**

*Products for Dentistry*
13. Sealing

- **Used**
  Used for placing and removing excess temporary sealing materials such as amalgam, composite and etc.

- **Character**
  (Paddle End) It is used to move temporary retentive materials into the cavity.
  (Plugger End) It is used for compacting the retentive materials.

**Plastic Filling Instrument (PFWDS)**

**How to use**
Put the material in a conical shape on the paddle end and put it into the cavity and compacting with plugger.

- **Put the temporary sealing material in a conical shape on the paddle end and move it into the cavity.**

- **Compacting with a plugger end.**