

**SAWERA**<sup>®</sup>  
Dental Instruments

**AL-MAHDI**<sup>®</sup>  
INTERNATIONAL

# **DENTAL INSTRUMENTS**

AL-Mahdi International<sup>®</sup> is a dental instruments manufacturer in Sialkot Pakistan and SAWERA<sup>®</sup> Dental Instruments is it's sub-brand. Our company specializes in developing, manufacturing and distributing a wide range of dental tools. We cater to the needs of dental professionals such as dentists, orthodontists, oral surgeons, and dental hygienists. We produce instruments for various dental procedures including examinations, cleanings, fillings, extractions, root canals, and more.

**CATALOGUE**



### ***New Instruments:***

All instruments are supplied non-sterile unless otherwise stated on label.  
Remove all packaging including plastic protection sleeves on instrument tips.  
Clean the new product either manually or mechanically prior to the initial sterilization.

### ***Used Instruments:***

Wherever possible, do not allow blood debris or bodily fluids to dry on instruments. For best result and to prolong the life of the medical device reprocess immediately after use. If they cannot be reprocessed immediately, use an enzymatic foam spray cleaner to help prevent soil from drying.

### ***Preparation for decontamination:***

Reprocess all instruments as soon as it is reasonably practical following use. Disassemble only where intended, without the use of tools unless specifically provided by the manufacturer. Where instructions for disassembly are required, these are available with the device.

### ***Cleaning***

#### **Ultrasonic cleaning**

Use only validated and CE marked equipment. Always follow manufacturer's Instructions for use. Do not exceed maximum immersion time of 10 minutes is recommended.  
Avoid over-crowding of instruments. Place heavier instruments at the bottom of the basket.  
Handle 'sharps' (scissors, knives, chisels etc.) separately.  
Keep joints open and ratchets unlocked.  
Rinse instruments with water to remove cleaning solution.

#### **Automatic Washer / Disinfector**

Use only CE marked and validated washer-disinfector machines and low-foaming, non ionizing cleaning agents and detergents following the manufacturers' instruction for use, warnings, concentration and recommended cycles.  
Load instruments carefully, with any box joints and hinges open and so that any fenestration in instruments can drain.  
Place heavy instruments with care at the bottom of containers, taking care not to overload wash baskets.  
Place instruments with concave surfaces facing down to prevent pooling of water.  
Where available, use appropriate attachments to flush inside reamers and devices with lumens or cannula.  
Ensure that soft, high purity water which is controlled for bacterial endotoxins is used in the final rinse stage.  
Note: Automated cleaning may not be suitable for all lumens and cannula, in which case clean manually with a water jet gun, if available, and on appropriate brush (and stilette if provided) that reaches the depth of the feature. After manually cleaning, pass all devices through an automatic cleaning cycle to achieve disinfection.

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**Note: These instructions have been validated using a washer-disinfector cycle validated to include two cold rinses at <35°C, a detergent cycle and a rinse cycle both at >50°C, a disinfection cycle operating at a temperature of between 80°C and 87°C for @ minimum holding time of 1 minute (actual holding time in excess of 2 minutes 50 seconds) and a 20 minute drying cycle. The detergent used was a low foaming, non-ionizing spray wash detergent cleaner (max 12 pH) and the rinse aid a neutral pH low foaming, non-ionic surfactant with isopropyl alcohol.**

### ***Manual Cleaning***

Use a double sink system (wash/rinse) dedicated for instruments cleaning (not used for hand washing).

In the first sink (wash), keeping the instrument submerged, with an autoclavable brush, apply CE marked cleaning solution to all surfaces until all soil has been removed.

In the second sink (rinse), rinse instruments thoroughly with soft, high purity water which is controlled for bacterial endotoxins, so that the water reaches all parts of the instrument, then carefully dry or use a drying cabinet.

Ensure that the water temperature does not exceed 35°C.

Always brush away from the body and avoid splashing

Pay particular attention to serrations, knurling, hinges, ratchets and tubes. Ensure hinged instruments are thoroughly cleaned in both open and closed position.

Clean delicate instruments separately to avoid damage.

Do not use steel wool or steel wire brushes.

Use only CE marked detergents with neutral pH (7).

Note: Manual cleaning is NOT a disinfection process.

### ***Inspection and Maintenance***

After cleaning, visually inspect all surfaces, cannulation, ratchets, joints, holes and lumens for complete removal of soil and fluids. If ANY soil or fluid is still visible, return the instrument for repeat decontamination.

Lubrication: Apply surgical grade lubricants to hinges, joints and moving parts as per the lubricant manufacturer's instructions. Use only a non-silicon water-soluble lubricant, not industrial type.

Visually inspect and check: All instruments for damage and wear;

cutting edges are free of nicks and present a continuous edge; jaws and teeth align correctly; all articulated instruments have a smooth movement without excess play; locking mechanisms (such as ratchets) fasten securely and close easily, long, slender instruments are not distorted; any component parts fit and assemble correctly with mating components.

Remove for repair or replacement any blunt, worn out, flaking, fractured or damaged instruments.

**\*Note: If an instrument is returned to the manufacturer/supplier, the instrument must be decontaminated and sterilized and be accompanied with the relevant documented evidence.**

**Packaging: All instruments to be packed according to method of sterilization used following national and international standards.**

## **Cold Disinfection**

Use only CE marked products.

Do not use bleach (sodium hypochlorite)

Follow all manufacturers instructions and warnings.

Rinse thoroughly after disinfection under running water.

Note: Disinfection is not an alternative to sterilization

## **Sterilization**

### **Steam Sterilization**

Use only CE marked and validated vacuum autoclaves.

Always follow manufacturer's instructions for use.

Ensure instruments are fully clean, dried and lubricated

Use packaging materials as specified by EN 868 and ISO 11607.

Do not exceed manufacturer's stated load.

Recommended temperature and time:

134°C - 137°C 2.25 bar for minimum 3 minutes.

Do not exceed 140°C

### **Dry Heat Sterilization**

Use only CE approved dry heat sterilizers.

Always follow manufacturer's instructions for use.

Recommended temperature:

160°C do not exceed 180°C

**\*Note: Other forms of sterilization (i.e. Low temperature steam and Formaldehyde, Ethylene Oxide and Gas Plasma) are available. However, always follow the instructions for use as issued by the manufacturer and always consult with them if in any doubt over the suitability of any process used.**

## **Storage**

Ensure instruments are dry before storage, and stored in dry, clean conditions 'at an ambient room temperature.

**\*NOTE: IT IS THE RESPONSIBILITY OF THE PROCESSOR TO ENSURE THAT THE REPROCESSING AS ACTUALLY PERFORMED USING EQUIPMENT, MATERIALS AND PERSONAL IN THE REPROCESSING FACILITY ACHIEVE THE DESIRED RESULT. THIS REQUIRES VALIDATION AND ROUTINE MONITORING OF THE PROCESS. LIKEWISE ANY DEVIATION BY THE PREPROCESSOR FROM THE INSTRUCTIONS PROVIDED MUST BE PROPERLY EVALUATED FOR EFFECTIVENESS, AND POTENTIAL ADVERSE CONSEQUENCES.**

## Examination Kit

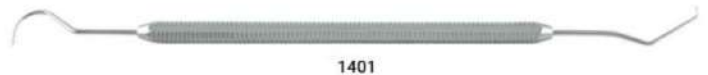
1400  
examination set of 3



## Explorers and Probes



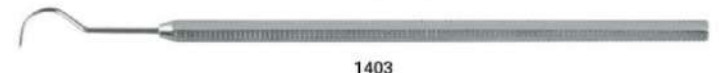
1402



1401



1404



1403



3095



1405

## Mouth Mirrors



0.22 mm

0.24 mm

1420  
Front Surface  
No. 04

1440  
Front Surface  
No. 05



0.22 mm

0.24 mm

1421  
Plain No. 04

1441  
Plain No. 05

Pack of 12 Pieces



	Front Surface	Plane
Fig.04	1420	1421
Fig.05	1440	1441

## Mirror Handles



1410



1412

## Tweezers



College Locking 1452



Meriam 1451



Perry 1453

**Extraction Forceps**  
(French Stainless Steel)



Fig. 2



1002

Fig. 7



1003

Fig. 17



1004

Fig. 18



1005

Fig. 51A



1006

Fig. 67



1007

Fig. 89



1008

Fig. 90



1009

Fig. 13



1010

Fig. 22



1011

Fig. 33A



1012

Fig. 79



1013

Fig. 86A



1014

Fig. 86C



1015

Fig. 97



1019

Fig. 29



1021

**Extraction Adult Forceps**  
(French Stainless Steel)



1022



1024 Witzel



1025



1040

Routurer



1041

Routurer



1042

Routurer



1043

Routurer



1026



1062



1063



1064



1000  
Set of Adults Forceps  
(French Stainless Steel)

Fig.:

86A | 79 | 67 | 51A | 33A | 22 | 18 | 17 | 13 | 7 | 2

Codes:

1002 - 1003 - 1004 - 1005 - 1006 - 1007 - 1010 - 1011  
1012 - 1013 - 1014

## Extraction Forceps Children

(French Stainless Steel)



1051



1052



1053



1054



1055



1056



1057



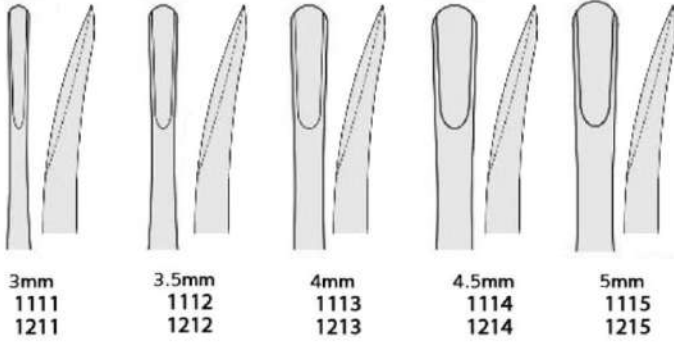
1050  
Set of Children Forceps  
(French Stainless Steel)

Fig.:  
1 | 2 | 3 | 4 | 5 | 6 | 7

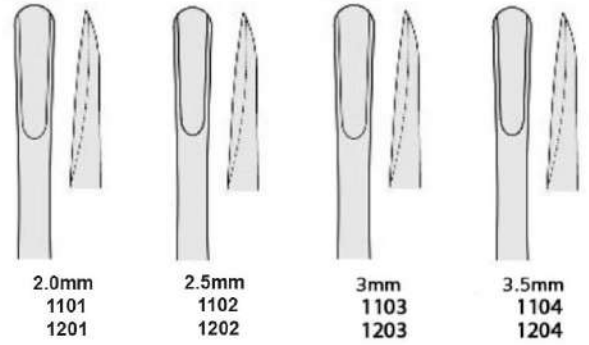


# Roots Elevator

## Luxation Elevators

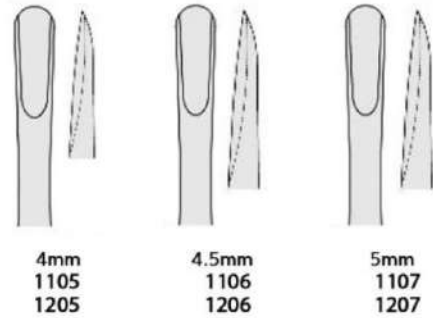


## Bein Elevators Round Tips



**11XX**  
Elevator Simple

**12XX**  
Elevator French

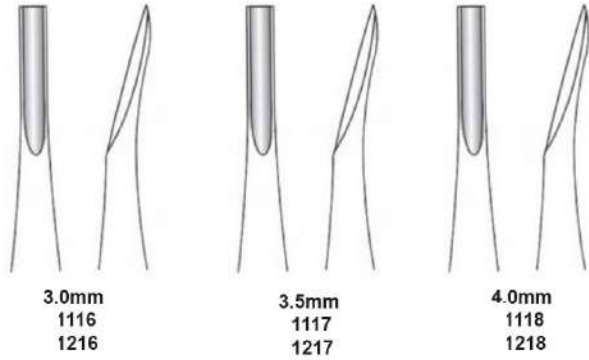


1200 Root Elevator set of 7 Pcs  
(French Stainless Steel)

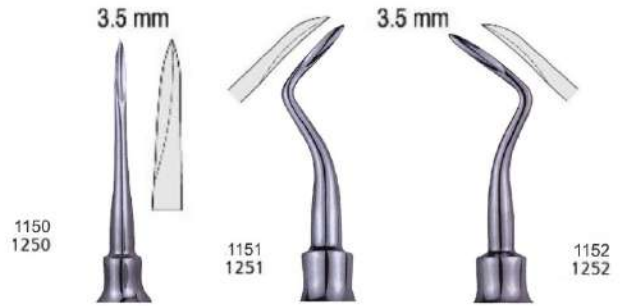
1262 - 1261 - 1252 - 1251  
1212 - 1205 - 1203

**Roots Elevator**

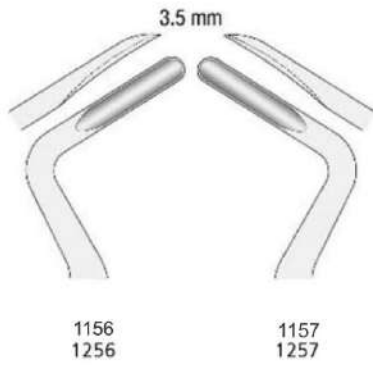
**Coupland**



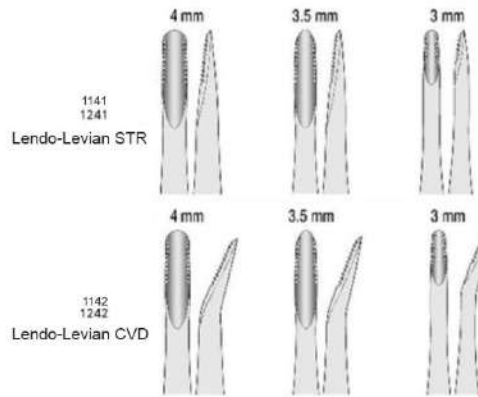
**Flohr**



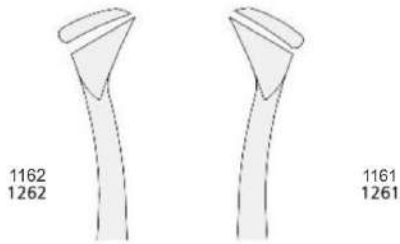
**Apical**



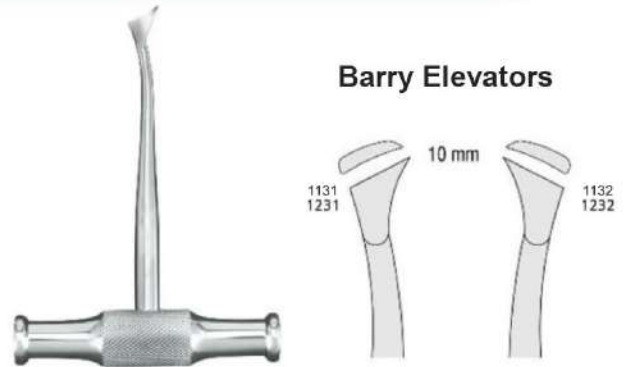
**Lindo Levin**



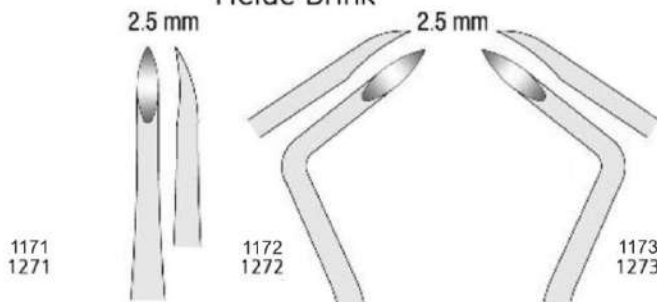
**Cryer**



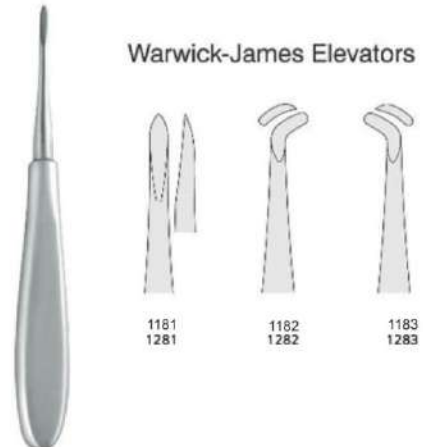
**Barry Elevators**



**Heide Brink**



**Warwick-James Elevators**



## Sinus Lift Currettes



Fig. 1  
8001



Fig. 2  
8002



Fig. 3  
8003



Fig. 4  
8004



Fig. 5  
8005



Fig. 6  
8006

8000 Sinus Lift Set of 6 pcs

## Implants Instruments



PDL 01  
8501



PDL 02  
8502



PDL 03  
8503



PDL 04  
8504



PDL 05  
8505



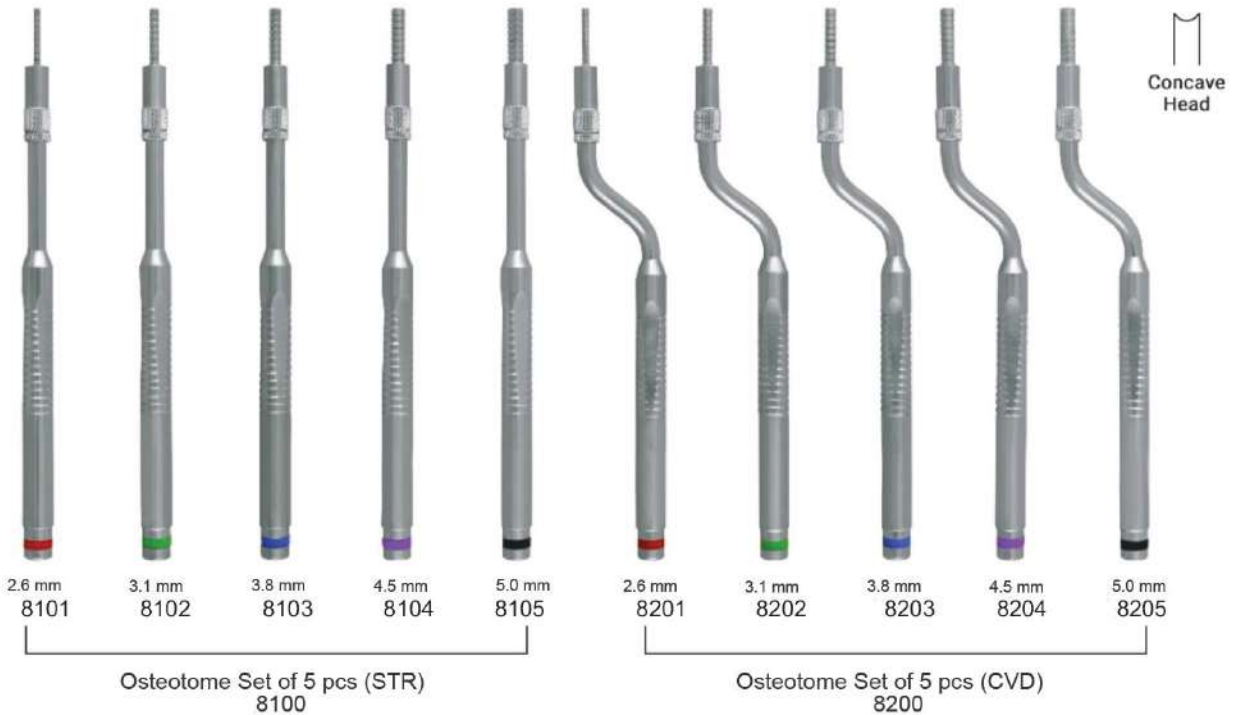
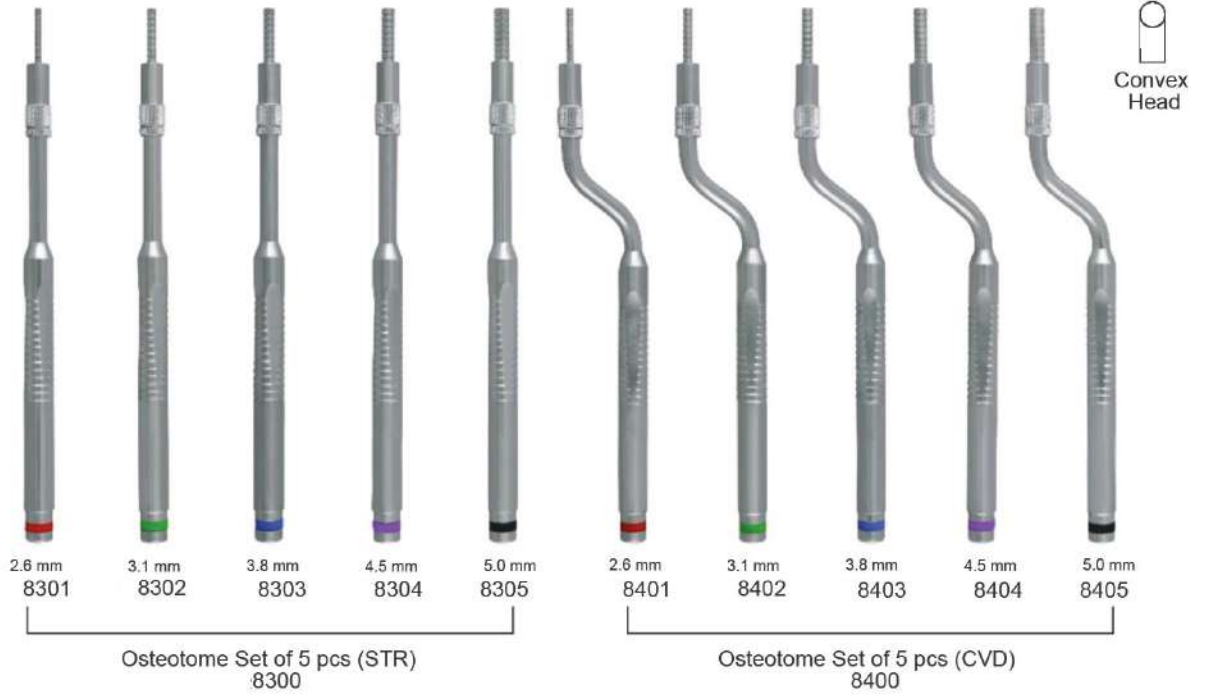
7675

8500 PDL Set of 5 pcs

## Convex & Concave Head Osteotome Set



Osteotome Hammer  
with Plastic Disks  
3150



Labratuary

2801 Plaster Spatulas Str.



2802 Plaster Spatulas Cvd.



Plaster Spatulas



Plaste Knife 2804

2810



2811



2812



2813



Wax Knives  
Wooden Handle

2813

2812

2811

2810



Lecron 2828

Calipers Iwanson  
2845



Calipers Iwanson  
2846



Dental Surgery



12mm  
3065  
Rongeurs

Friedmann Rongeurs



14mm  
3066  
Rongeurs



Periosteal Elevator F.S. 3070



Prichard Periosteal Elevator, F.S. 3073



3086 Bone Collectores



14cm Suction Tube 12cm  
3084 3082



3096 Probe Williams Laser, WHO Single End



3097 Probe Williams Laser, Single End

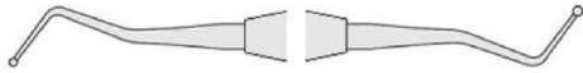


Castroviejo STR 9cm  
3142

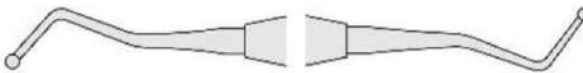


Castroviejo CVD 9cm  
3143

Burnishers



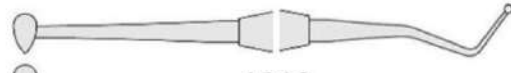
1301 S.  
Ball Burnishers (S)



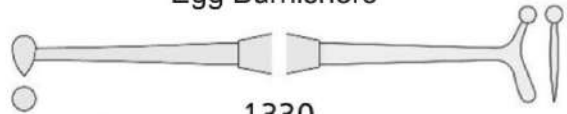
1302 M  
Ball Burnishers (M)



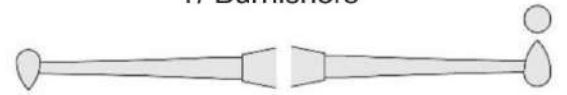
1303 L  
Ball Burnishers (L)



1313  
Egg Burnishers

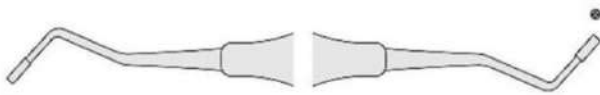


1330  
T/ Burnishers

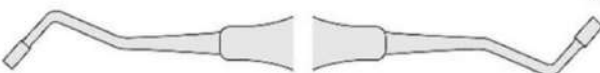


1335  
Egg Burnishers D/E

Pluggers



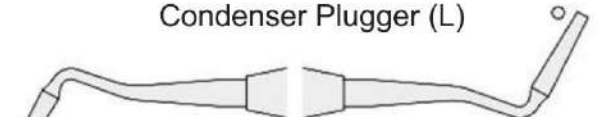
1341  
Condenser Plugger (S)



J1342  
Condenser Plugger (M)



1343  
Condenser Plugger (L)

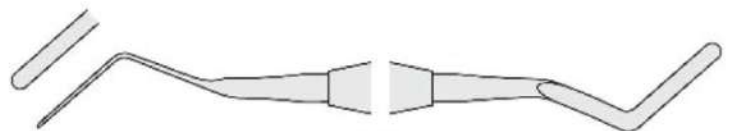


1344  
Markley Condenser Plugger (S)

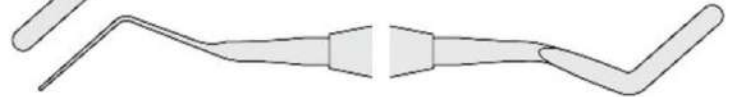


1345  
Markley Condenser Plugger (L)

Filling Instruments



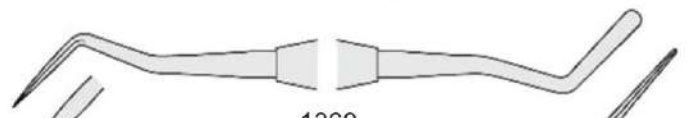
1366  
Heidemann (S)



1367  
Heidemann (M)



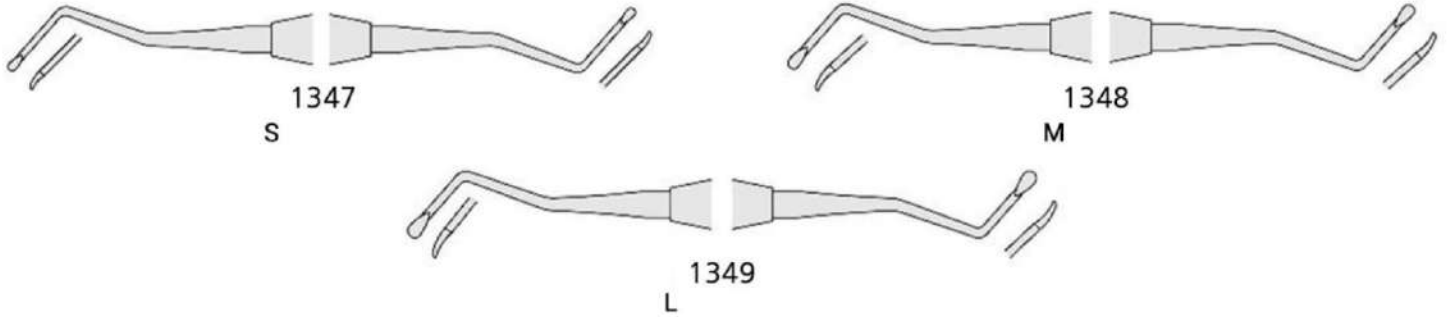
1368  
Heidemann (L)



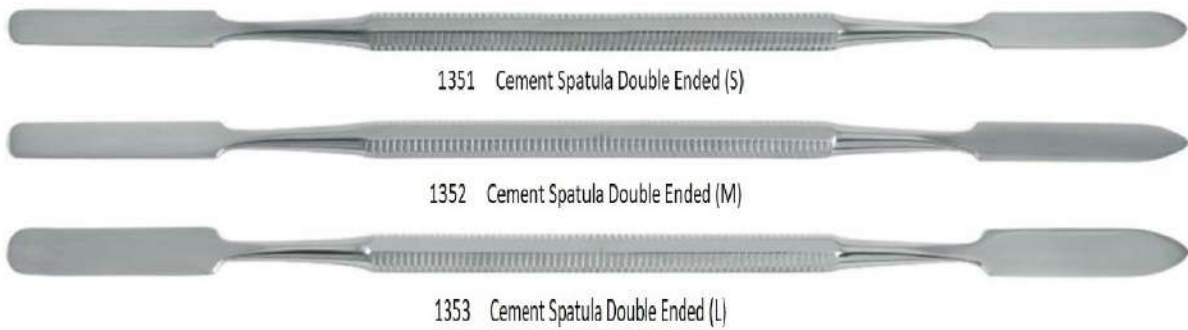
1369  
Amalgam Carver (Words)

# Restorative

## Excavator



## Cement Spatula

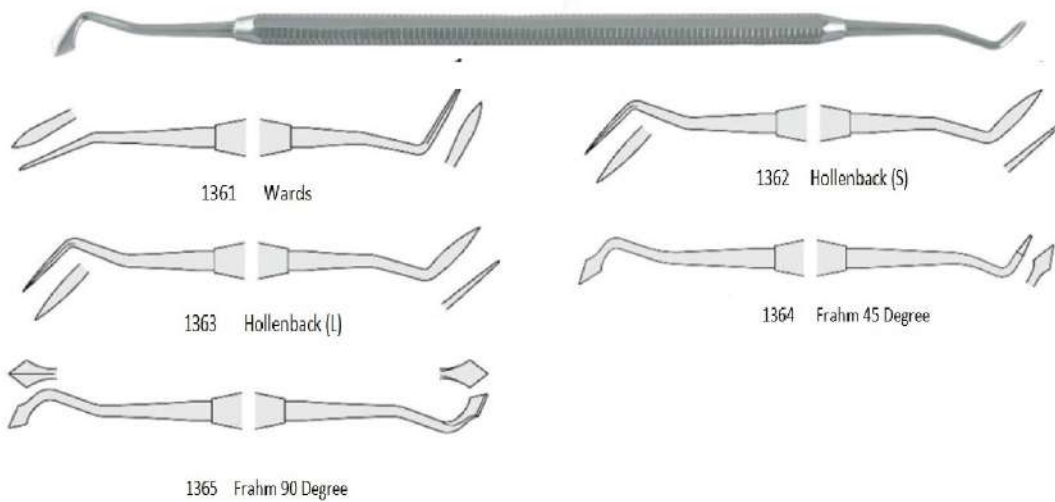


1371 Matrix Retainer Universal Tofflemire



Endometer  
1360

## Carvers





Restorative



1381 Manual Arch Crown Remover With 4 Tips



1390 Amalgam Carrier Fig.1



1390-1 Amalgam Carrier Fig.2



Amalgam Well  
1391



4026 Mouth Gag (L)



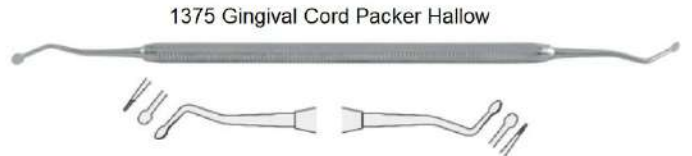
1380 Crown Remover Elevator



1385 Automatic Crown Remover



1386 Turkish Crown Remover



1375 Gingival Cord Packer Hallow

Placement Instruments



1397 Dycal S/E



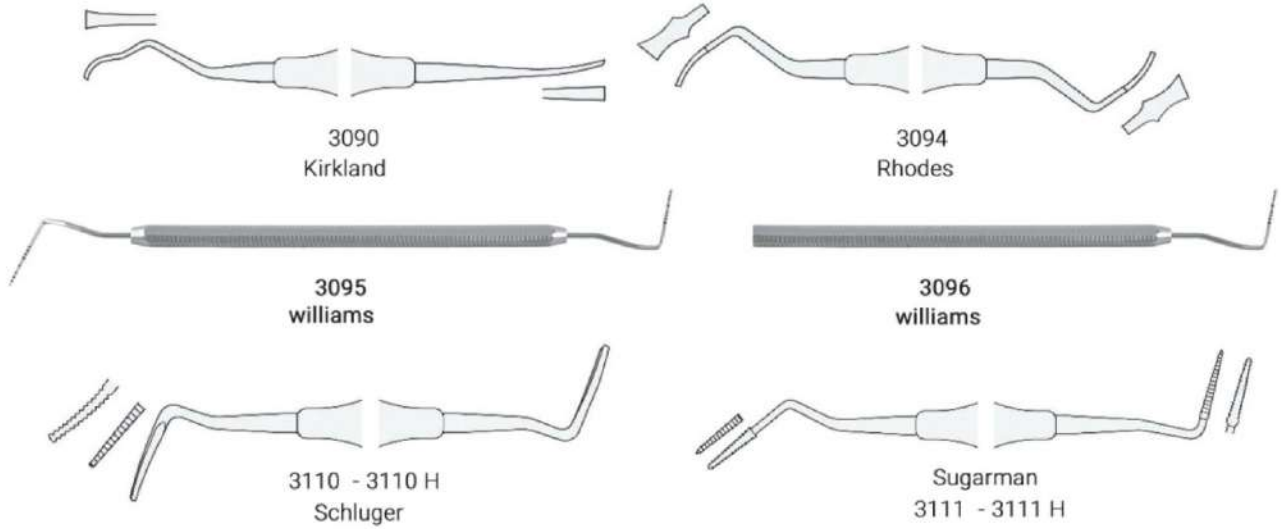
1398 Dycal D/E



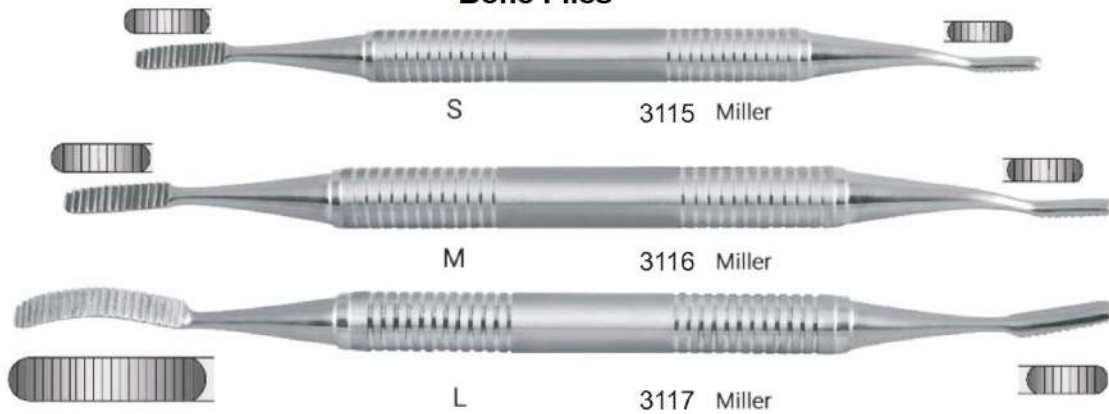
MTA Carrier STR  
2901  
MTA Carrier CVD  
2902

**Surgery Instruments**

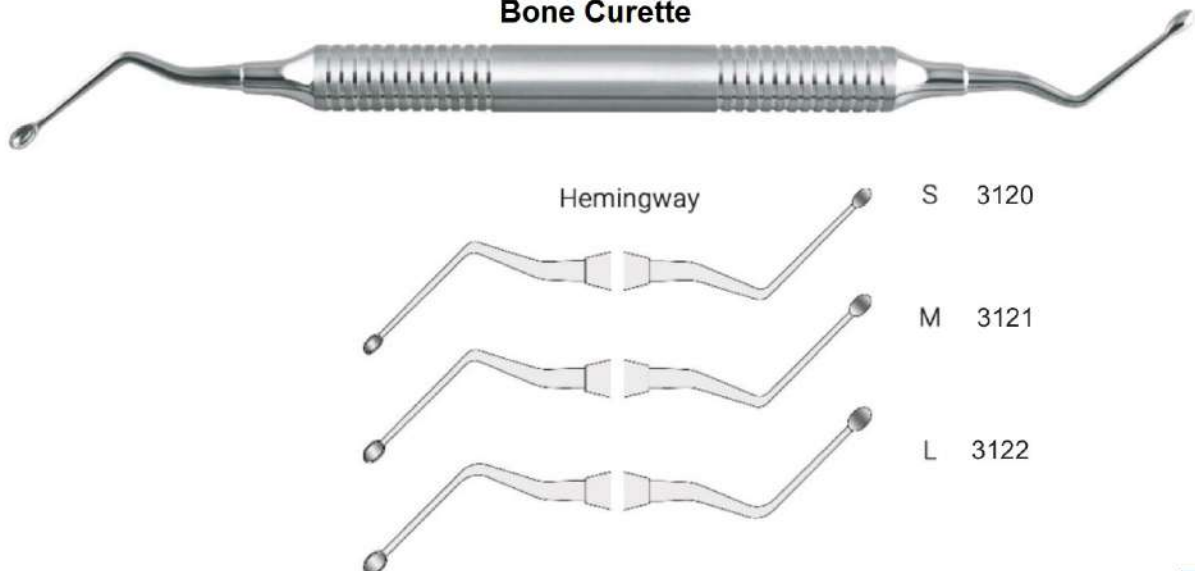
**Chisels**



**Bone Files**



**Bone Curette**



## Endo Rescue

1414



**Composite Restoration Instruments**  
(Titanium Nitride Lined)



1501 Plastic Filing



1502 Plastic Filing Rigid



1503 Plastic Filing



1504 Plastic Filing Rigid



1505 Condenser & Heidemann Spatula Rigid



1506 Plastic Filing Rigid



1507 Wescott S



1508 Wescott - L



1509 Freedoman Cone Shape & Condanser



1510 Smooth Plugger



1511 Burnisher \_ L



1512 Plugger / Heleomolar



1513 Condenser & Mini Spatula / Placer



1514 Flexible Curved Paddle



1515 Flexible



1516 Flexible Curved Paddle



1517 Heidemann & Cement Spatula (Curved)



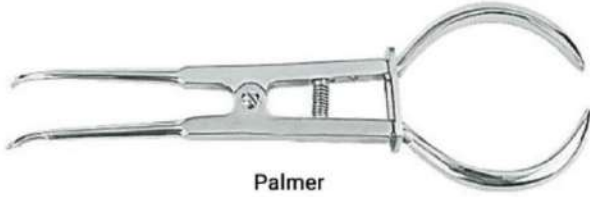
1518 Lademore



1519 Condenser & Mini Spatula / Placer

## Rubber dam Clamps & Forceps

### Rubber Dam Clamp Forceps



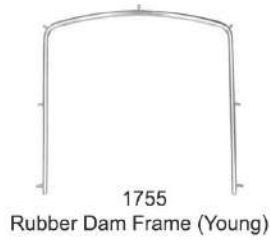
Palmer  
1751



Matrix Pliers  
1753



1754 Rubber Dum Punch Forceps Ainsworth



1755  
Rubber Dam Frame (Young)



Fig 00  
1763



Fig 2  
1764



Fig 2A  
1765



Fig 3  
1766



Fig 7  
1767



Fig 8  
1768



Fig 8A  
1769



Fig 9  
1770



Fig 12  
1771



Fig 12A  
1772



Fig 14  
1773



Fig 14A  
1774



1775



Fig 201  
1776



Fig 205  
1777



Fig 206  
1778



1779



Fig 209  
1780



Fig 210  
1781



Fig 211  
1782



Fig 212  
1783

Orthodontic



2601 Angle Round/Flat #139 Plier



2612 Johnson Plier



2657 Bracket Tweezer



2660 Elastic Ligature



2661 Ligature Director



2665 Band Pusher



2666 Plastic Band Seater



2680 Mathieu Needle Holder TC



2681 Mathieu Needle Holder



2690 Wire Cutter TC



2695 End Cutter TC

## Needle Holder, Retractors

### Needle Holder



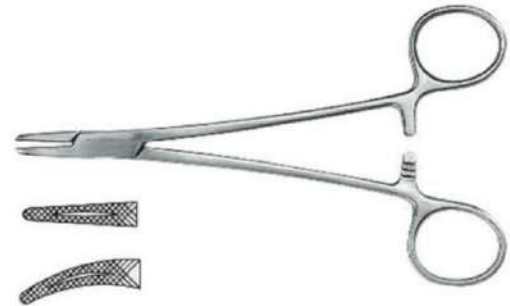
4051 Mayo-hager 12cm - Str



4052 Mayo-hager 12cm - Crd



4061 Mayo-hager 16cm - Str



4064 Mayo-hager 16cm - Str

4062 Mayo-hager 16cm - Crd

4065 Mayo-hager 16cm - Crd



4010 Minnesota



4011 Farabeuf

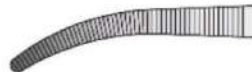
## Haemostatic / Forceps

### Halsted Mosquito Crile

4068 Haemostatic Forcep, Halsted-Mosquito 12cm Stright.



4069 Haemostatic Forcep, Halsted-Mosquito 12cm Curved.



4070 Haemostatic Forcep, Halsted-Mosquito 14cm Stright.



4071 Haemostatic Forcep, Halsted-Mosquito 14cm Curved.



4075 Haemostatic Forcep, Halsted-Mosquito 11cm Stright.



4078 Haemostatic Forcep, Halsted-Mosquito 9cm Stright.

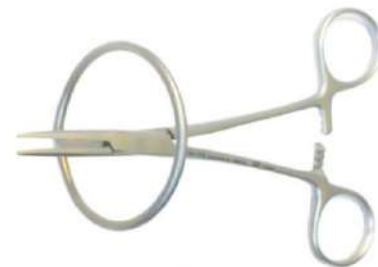


4076 Haemostatic Forcep, Halsted-Mosquito 11cm Curved.

4079 Haemostatic Forcep, Halsted-Mosquito 9cm Curved.



4080 Forceps Towel 9cm  
4081 Forceps Towel 11cm



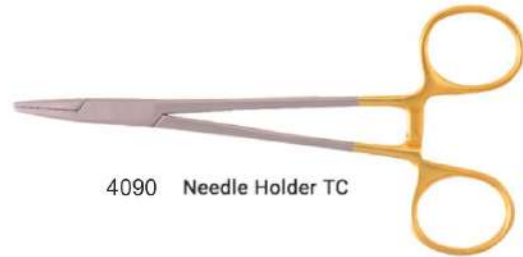
4085 Needle Holder Crown And Bridge Holding Forceps With Ring



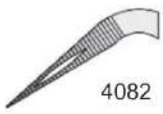
## Needle Holder - Haemostatic / Forceps



Splinter Forceps  
Stieglitz



4090 Needle Holder TC



4082  
45° Curved



4083  
90° Curved



4084  
Stright



Mayo-Hegar  
0.5 / 144 mm



Castroviejo Needle Holder TC  
18cm  
STR 4095  
CVD 4096



Castroviejo Needle Holder TC  
14cm  
STR 4095  
CVD 4096

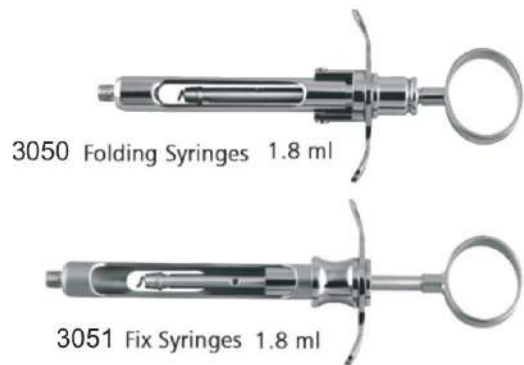
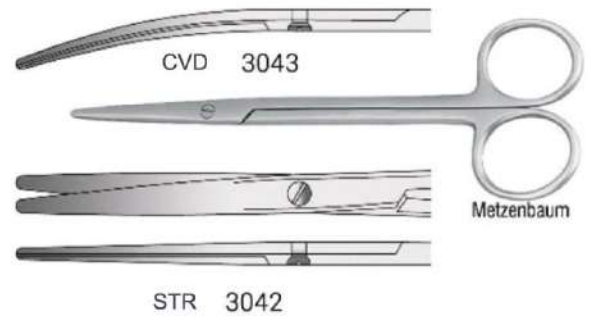
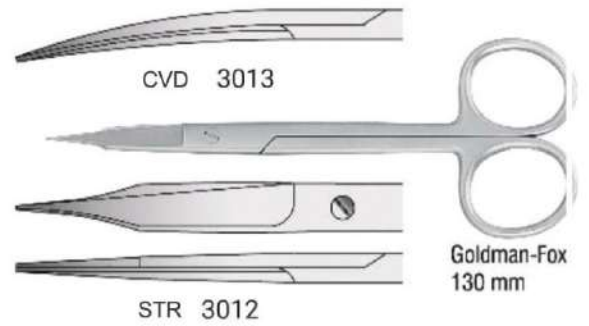
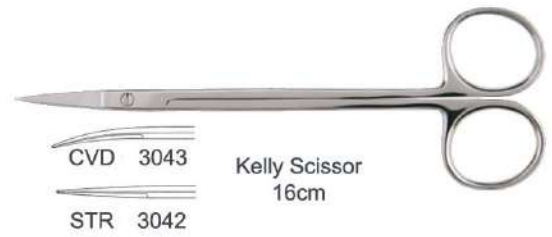
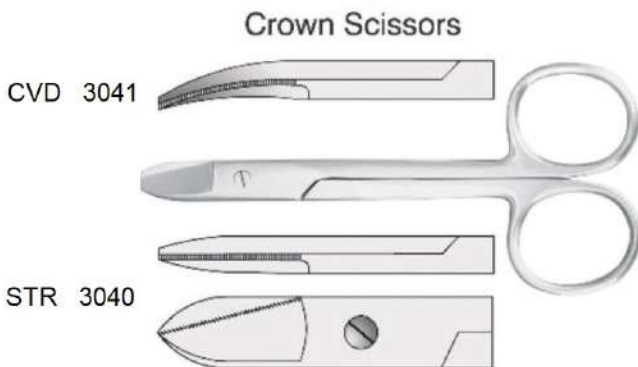
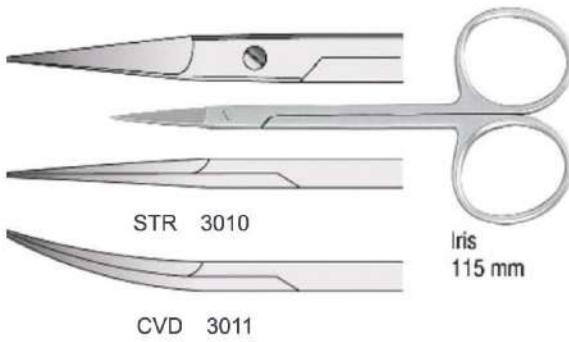
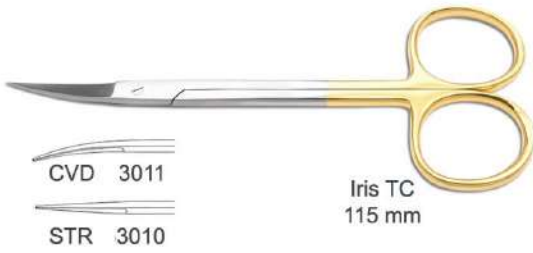


Castroviejo Scissor TC  
18cm  
STR 4093  
CVD 4094



Castroviejo Tweezer TC  
18cm  
STR 4092

Dental Surgery



## Tweezer



Adson Kocher 12cm  
3001



Adson Plain 12cm  
3002



Dressing Forcep Plain 16cm  
3004



Dressing Forcep Kocher 16cm  
3005



Suture Forcep 16cm  
3006



Articulating Paper  
Tweezer  
2847

## Scalpel Handle



Scalpel Handle no. 3  
3060



Scalpel Handle no. 3 with Scale  
3061



Scalpel Handle (Push Button)  
3063



Scalpel Handle Moveable  
3062



Bone Scraper STR  
3140



Bone Scraper CVD  
3141

## Sterilization



X-Ray Clip  
2501



Cotton Holder S  
2511



Cotton Holder L  
2510



Cotton Container S  
2515



Cotton Container L  
2516



Cotton Holder Aluminum  
2512

## Instruments Trays



Flat Tray with holes (one side)  
2541



Flat Tray with holes (both sides)  
2542



Kidney Trays

- |   |      |
|---|------|
| S | 2521 |
| M | 2522 |
| L | 2523 |



Instruments Trays

- |   |      |
|---|------|
| S | 2551 |
| M | 2552 |
| L | 2553 |



Forceps Jar  
2533



Trays With Lid

- |   |      |
|---|------|
| S | 2554 |
| M | 2555 |
| L | 2556 |



2558 Tray Cassetts M



Galipot

- |   |      |
|---|------|
| S | 2563 |
| M | 2564 |
| L | 2565 |



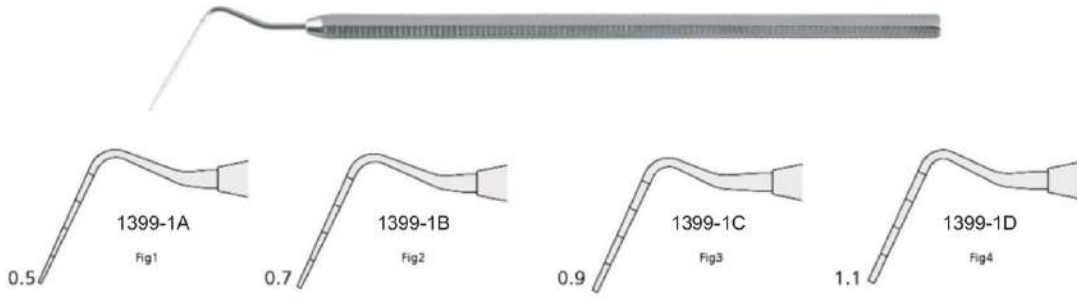
Drums

- |   |      |
|---|------|
| S | 2582 |
| M | 2583 |

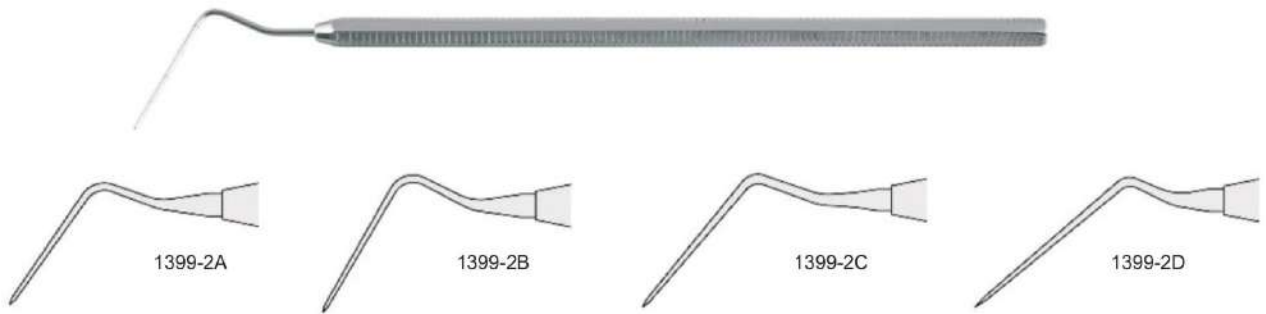


Adjustable Spirit Lamp  
2528

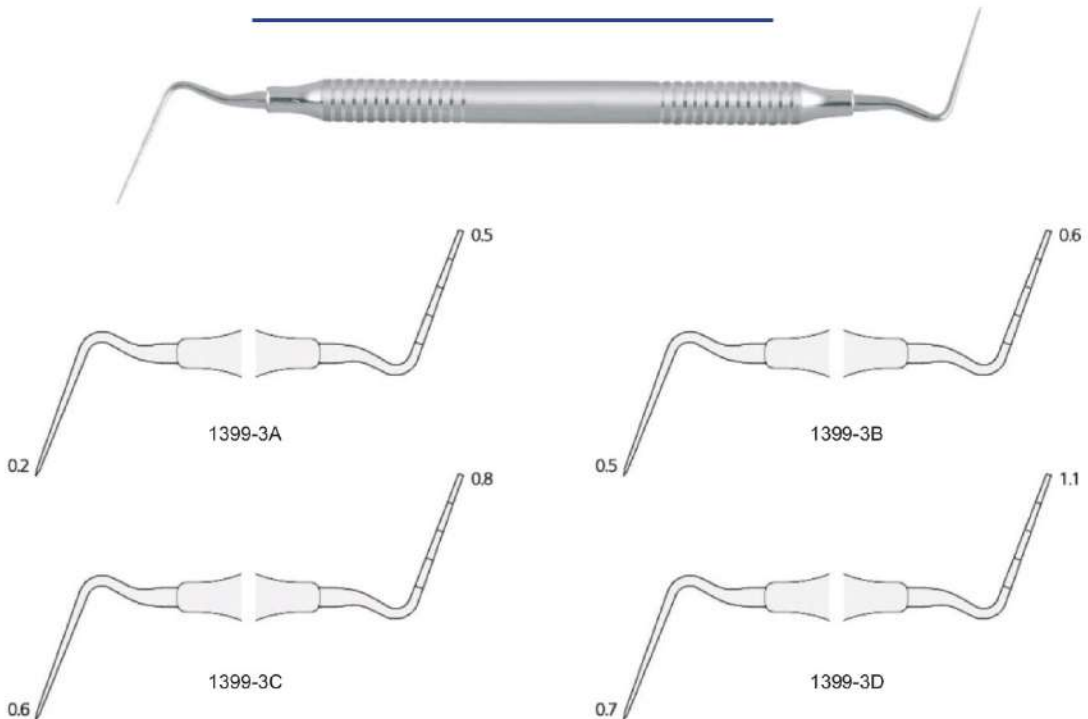
Pluggers



Spreaders



Pluggers / Heat Carriers





**AL-Mahdi International Company<sup>®</sup>**  
**SAWERA<sup>®</sup> Dental Instruments**

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