

# ORBIS )))

# TIP BOOK



## Principle of Operation

For piezo style tips, including all ORBIS tips except those to use with NSK and Kavo Sonicflex suitable air scalers, power is generated by piezoelectric crystals. For airscalers power is generated by compressed air. This creates a sinusoidal motion with the greatest power (amplitude) at the end of the tip followed by a weaker area, then a stronger area in accordance with a sine wave. The effect of the tip is therefore very dependent upon the part of the tip in contact with the tooth. Contact with the side of the tip in the second strong power band, 2-3 mm from the end, creates the most effective action.

The ideal power setting will depend on the tip used and the condition of the area to be treated. Endo and Perio work requires longer and thinner tips than scaling, so lower powers are appropriate. Always start with a low power and increase gradually to maximise effectiveness and minimise patient discomfort.

## Orientation and Application

To create a combination of patient comfort and efficient scaling it is important to use the side of the tip at the second power band and at a very shallow angle to the tooth. Too great an angle will bring the point of the tip in contact with the tooth and lead to patient discomfort.

Unlike hand scaling, ultrasonic scaling requires only a very gentle touch to the tooth surface; the ultrasonics provide all the power so the dental practitioner only needs to guide the tip very gently around the area to be treated. The removal of hard deposits can be expedited by applying the end of the tip where the vibrations are strongest; this will cause calculus to break away from the tooth. Once this is done, resume gentle motions. Too much force, or over use of the tip end, will cause discomfort.

## Scaling

These are used for the removal of supra-gingival stains and deposits. The power setting used should be the lowest effective power according to the instructions of the scaler machine.

## Periodontics

These are used for sub-gingival work. The power settings will depend upon the tip used and the operation to be carried out; in general, thinner tips require lower power.

## Universal

These are used for sub-gingival work and for the removal of supra-gingival stains and deposits. The power setting used should be the lowest effective power according to the instructions of the scaler machine.

# Content

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EMS® is a registered trademark of Electro Medical Systems SA.

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SATELEC® is a registered trademark of ACTEON Group

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SIRONA® is a registered trademark of Sirona Dental Systems GmbH

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KAVO® is a registered trademark of KAVO Dental Corporation.

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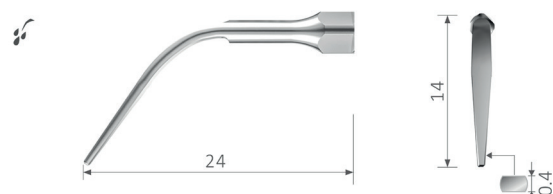
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## ORBIS TIPS (SUITABLE FOR EMS® SCALER MACHINES)

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EMS® is a registered trademark of Electro Medical Systems SA.

### Scaling

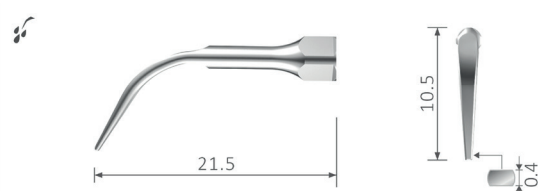
#### OR-G3



ItemId R306522

Generic Tip. Used to remove calculus and bacterial plaque from supragingival interdental areas.

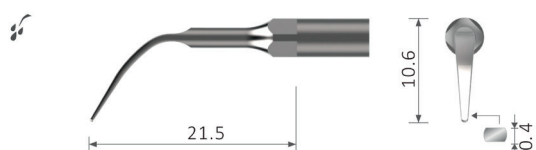
#### OR-G4



ItemId R306521

Generic Tip. Used to remove all supragingival calculus and bacterial plaque.

#### OR-A

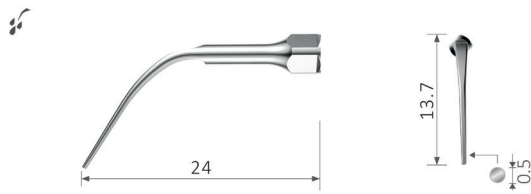


ItemId R306511

Accurate removal of solid supragingival calculus in all quadrants.

## Perio

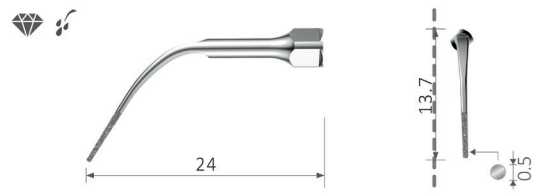
### OR-P3



ItemId R306523

Generic Tip. Used to remove subgingival calculus.

### OR-P3D

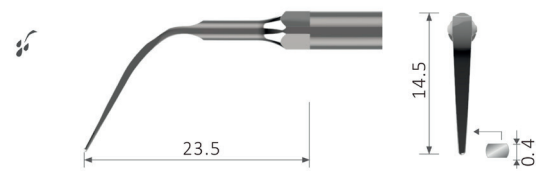


ItemId R306525

Generic Tip. Diamond coated, used to smooth the surface of root during periodontal flap surgery.

## Universal

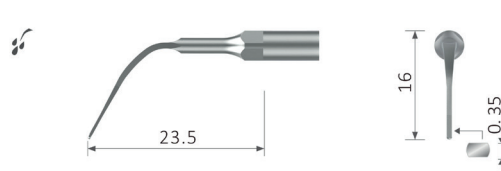
### OR-P



ItemId R306512

The OR-P instrument is well suited for the precise removal of stubborn subgingival and supragingival calculus and concretions in all quadrants.

### OR-PS



ItemId R306513

Slim. The fast and minimally invasive OR-PS instrument is ideal for calculus removal in all quadrants supragingival as well as subgingival.

## Torque wrench

### OR-EM P



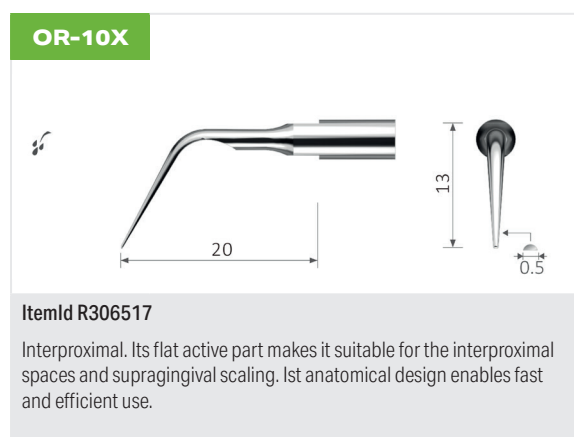
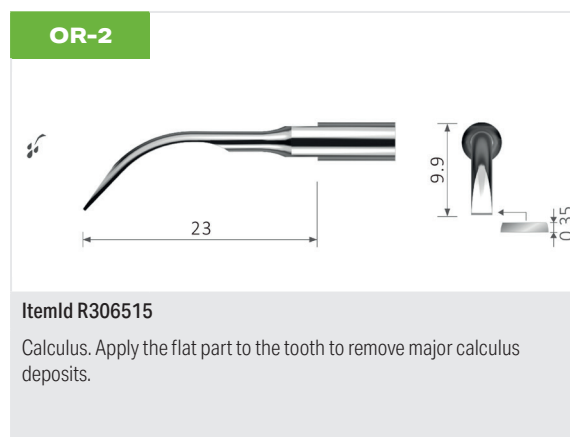
ItemId R306529

Torque wrench suitable for EMS® scaler devices.

# ORBIS TIPS (SUITABLE FOR SATELEC® SCALER MACHINES)

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## Scaling



## Perio

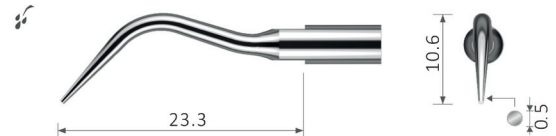
### OR-sH3



#### ItemId R306520

Anterior Periodontics. Enables treatment of the incisor/canine block. The guide edge is oriented parallel to the pocket. Enables work in the periodontal pocket without injury to the ligament.

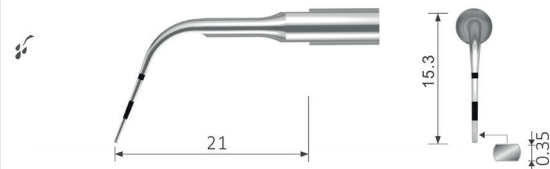
### OR-10P



#### ItemId R306518

Shallow. Slim round instrument suitable for scaling shallow pockets less than 2-3 mm deep.

### OR-10Z

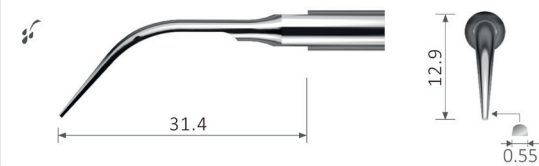


#### ItemId R306519

Subgingival. Medium pockets (< 4 mm). Removal of biofilm and soft deposits, enables observation of pocket depth using the 3 mm scale.

## Universal

### OR-1S



#### ItemId R306516

Slim. Supra and subgingival scaling. Particularly effective for interproximal spaces.

## Torque wrench

### OR-SA P



#### ItemId R306530

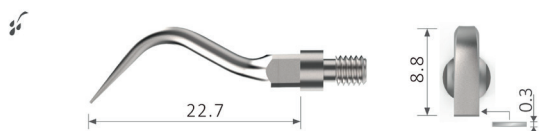
Torque wrench suitable for SATELEC® scaler devices.

# ORBIS TIPS (SUITABLE FOR SIRONA® SCALER MACHINES)

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## Scaling

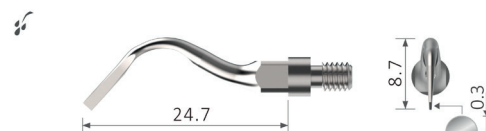
### OR-1L



ItemId R306504

General. A flat tipped instrument for initial lingual and buccal scaling.

### OR-2L

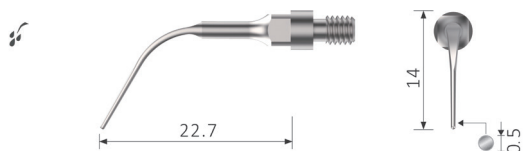


ItemId R306505

Versatile. A versatile instrument used for lingual, buccal and approximal scaling.

## Perio

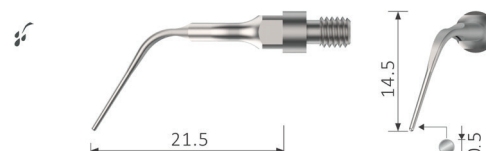
### OR-PE1



ItemId R306508

Perio. For rinsing and root cleaning in deep gum pockets.

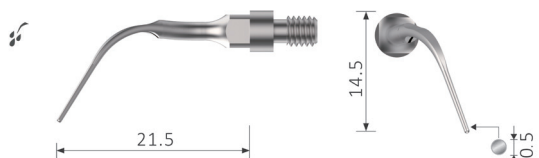
### OR-PE2



ItemId R306509

Perio. Curved to the right, for root cleaning in deep gum pockets in the posterior region.

### OR-PE3



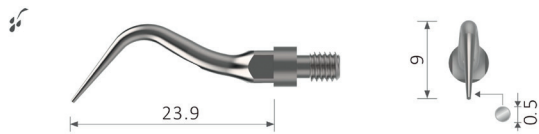
ItemId R306510

Perio. Curved to the left, for root cleaning in deep gum pockets in the posterior region.



## Universal

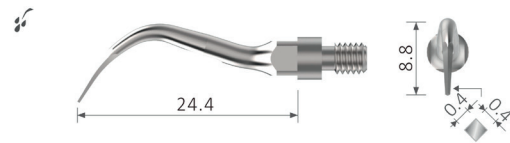
### OR-3L



#### ItemId R306506

Interdental. A universal instrument which can be used for subgingival scaling at interdental sites.

### OR-4L



#### ItemId R306507

Universal. A fine instrument, ideal for supragingival and subgingival tooth surfaces and interdental areas.

## Torque wrench

### OR-SI P



#### ItemId R306528

Torque wrench suitable for SIRONA® scaler devices.

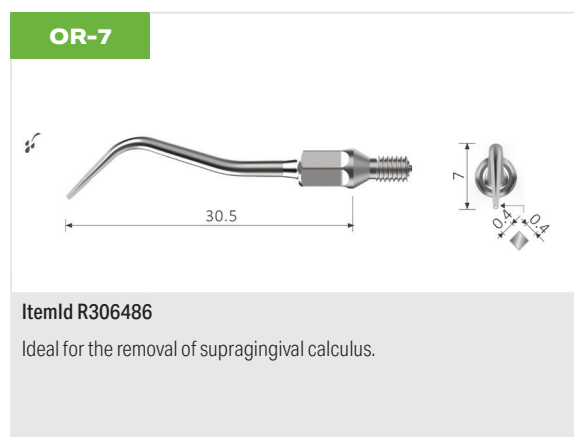
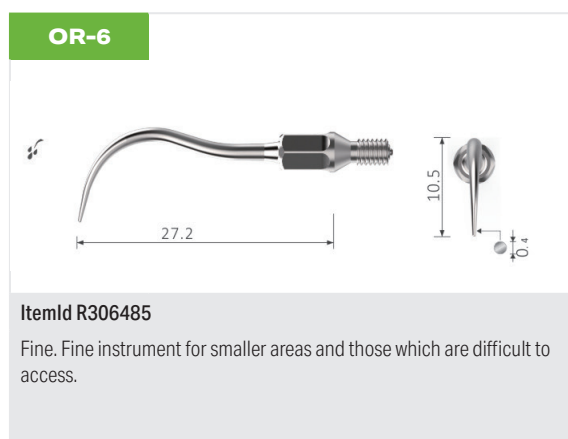
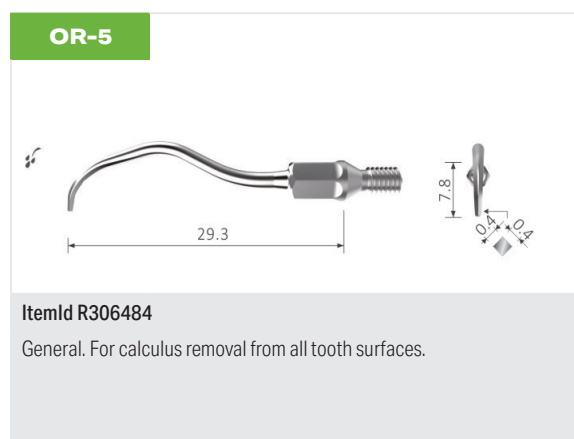
## ORBIS TIPS (SUITABLE FOR KAVO® SCALER MACHINES)

The ORBIS brand belongs to a third party which has no connection with the original equipment manufacturer or its representatives. KAVO® is a registered trademark of KAVO Dental Corporation.

### SONICflex 2003/2000 (long thread)

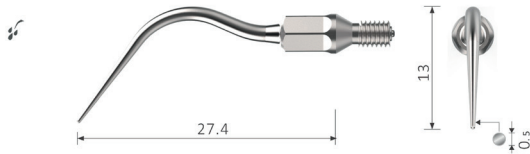
SONICflex is a brand of the company KAVO Dental GmbH.

#### Scaling



## Perio

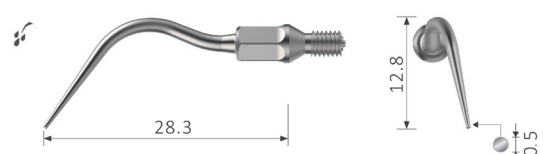
### OR-60



#### ItemId R306488

Perio. A long straight tip with rounded surfaces, the OR-60 is used for gentle pocket cleaning during periodontal treatment. Used in the anterior region, it is effective on smooth surfaces and at cleaning pockets up to 9 mm deep.

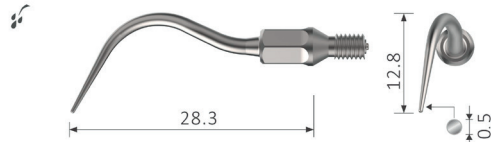
### OR-61



#### ItemId R306489

Perio Left. Curved to the left, for buccal access in the first and third quadrants to central incisor. Gentle but effective cleansing in pockets up to 9 mm deep, then cleansing of front teeth. Lingual access to premolars and molars in the second and fourth quadrants.

### OR-62



#### ItemId R306490

Perio Right. Curved to the right, for buccal access in the first and third quadrants to central incisor. Gentle but effective cleansing in pockets up to 9 mm deep, then cleansing of front teeth. Lingual access to premolars and molars in the second and fourth quadrants.

### OR-KA Q

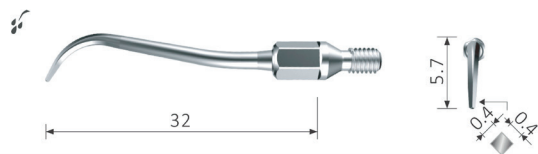


#### ItemId R306526

Torque wrench suitable for KAVO® SONICFLEX, PIEZOlux & SONOsoft, SONICflex quick scaler devices.

## Universal

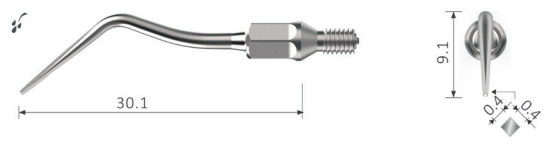
### OR-GK2



#### ItemId R306524

Generic Tip. Used for supragingival, subgingival and interdental calculus removal.

### OR-8



#### ItemId R306487

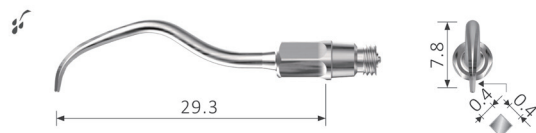
For the removal of supra and subgingival calculus.

## SONICflex Quick 2008 (short thread)

SONICflex QUICK is a brand of the company KAVO Dental GmbH.

### Scaling

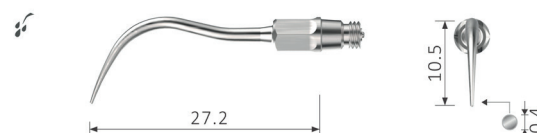
#### OR-5A



ItemId R306497

General. For calculus removal from all tooth surfaces.

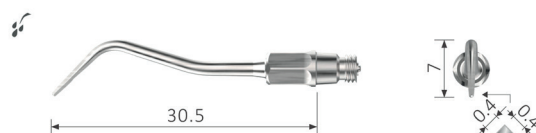
#### OR-6A



ItemId R306498

Fine. Fine instrument for smaller areas and those which are difficult to access.

#### OR-7A

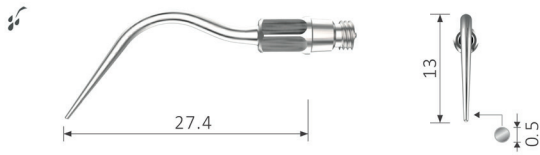


ItemId R306499

Ideal for the removal of supragingival calculus.

## Perio

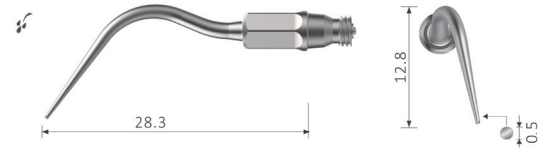
### OR-60A



#### ItemId R306501

Perio. A long straight tip with rounded surfaces, the OR-60A is used for gentle pocket cleaning during periodontal treatment. Used in the anterior region, it is effective on smooth surfaces and at cleaning pockets up to 9 mm deep.

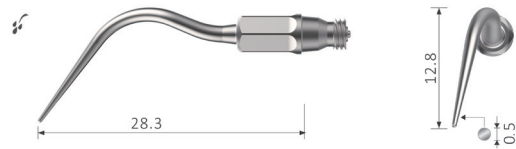
### OR-61A



#### ItemId R306502

Perio Left. Curved to the left, for buccal access in the first and third quadrants to central incisor. Gentle but effective cleansing in pockets up to 9 mm deep, then cleansing of front teeth. Lingual access to premolars and molars in the second and fourth quadrants.

### OR-62A

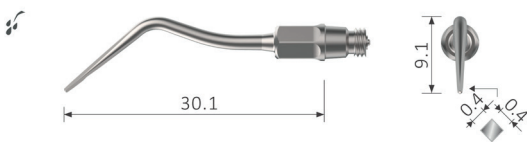


#### ItemId R306503

Perio Right. Curved to the right, for buccal access in the first and third quadrants to central incisor. Gentle but effective cleansing in pockets up to 9 mm deep, then cleansing of front teeth. Lingual access to premolars and molars in the second and fourth quadrants.

## Universal

### OR-8A



#### ItemId R306500

For the removal of supra and subgingival calculus.

## Torque wrench

### OR-KA Q



#### ItemId R306526

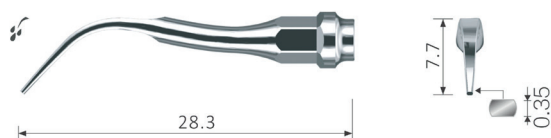
Torque wrench suitable for KAVO® SONICFLEX, PIEZOlux & SONOsoft, SONICflex quick scaler devices.

## PIEZOlux & SONOsoft

PIEZOlux & SONOsoft is a brand of the company KAVO Dental GmbH.

### Scaling

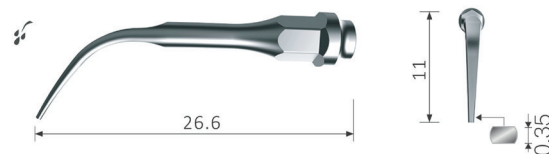
#### OR-9



ItemId R306491

Sickle. Used to remove calculus and bacterial plaque from supragingival interdental calculus.

#### OR-10



ItemId R306492

Used to remove calculus and bacterial plaque from supragingival interdental calculus.

#### OR-11



ItemId R306493

Used to remove supragingival calculus.

### Torque wrench

#### OR-KA Q



ItemId R306526

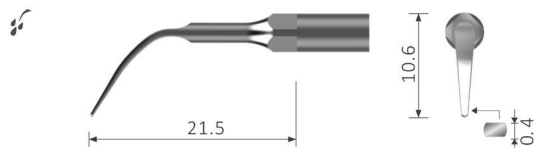
Torque wrench suitable for KAVO® SONICFLEX, PIEZOlux & SONOsoft, SONICflex quick scaler devices.

## PiezoLED & PIEZOsoft

PiezoLED & PIEZOsoft is a brand of the company KAVO Dental GmbH.

### Scaling

#### OR-201

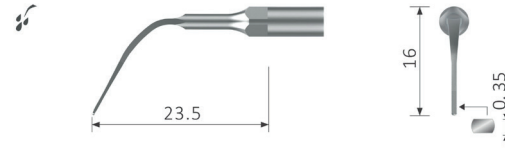


ItemId R306494

Accurate removal of solid supragingival calculus in all quadrants.

### Perio

#### OR-203

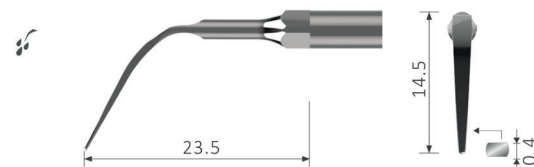


ItemId R306496

PerioSlim. Fast and minimally-invasive, ideal for calculus in deep periodontal pockets in all quadrants.

### Universal

#### OR-202



ItemId R306495

Well suited for the precise removal of supra- and subgingival calculus in all quadrants up to a pocket depth of 4 mm.

### Torque wrench

#### OR-KA M



ItemId R306527

Torque wrench suitable for KAVO PiezoLED & PIEZOsoft scaler devices.

# TORQUE WRENCHES

Corresponding torque wrenches for the ORBIS Scaler Tips assortment.

## OR-EM P



ItemId R306529

Torque wrench suitable for EMS® scaler devices.

## OR-SA P



ItemId R306530

Torque wrench suitable for SATELEC® scaler devices.

## OR-SI P



ItemId R306528

Torque wrench suitable for SIRONA® scaler devices.

## OR-KA Q



ItemId R306526

Torque wrench suitable for KAVO® SONICFLEX, PIEZOlux & SONOsoft, SONICflex quick scaler devices.

## OR-KA M



ItemId R306527

Torque wrench suitable for KAVO PiezoLED & PIEZOsoft scaler devices.



## Notes




# ORBIS WEAR CARDS FOR TIPS

## Information of use

**Tip Self Life.** Scaler tips effectiveness is reduced by wear; once the tip has worn by 2 mm, it will no longer be effective. As a guide, basic scaling tips should last for about 100 uses, with Endo tips needing much more frequent change; thinner tips have shorter life. Some of the specialist tips, such as those with diamond or Titanium Nitride coats will be replaced after just 3 or 4 uses. As a general rule, tips need to be replaced when they have worn according to the wear guide, those with no wear guide should be replaced as soon as the tips shows visible signs of wear. In all cases tips should be replaced as a maximum 2 months after first use.

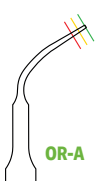
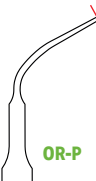
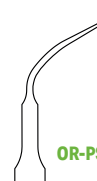
Please note: When printing the wear cards, check the print settings to ensure that the pages are printed in the actual size (and not e.g. scaled/resized to fit the page size). This ensures that the wear cards are printed in the correct size.







120x48 mm


### ORBIS )))

Tips suitable for **EMS®** scaler devices.

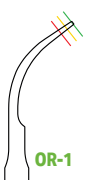
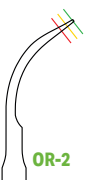

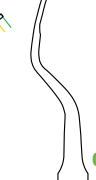
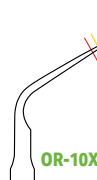


2 mm shorter = 50 % performance loss







120x48 mm


### ORBIS )))

Tips suitable for **SATELEC®** scaler devices.

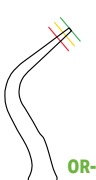



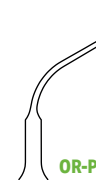
2 mm shorter = 50 % performance loss







120x48 mm

### ORBIS )))

Tips suitable for **SIRONA®** scaler devices.

2 mm shorter = 50 % performance loss

18

ORBIS )))



120x48 mm



## ORBIS )))

Tips suitable for **KAVO®** scaler devices.



2 mm shorter = 50 % performance loss



OR-5A  
OR-5



OR-6A  
OR-6



OR-7A  
OR-7



OR-8A  
OR-8



OR-60A  
OR-60



120x48 mm

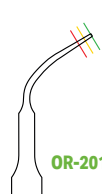


## ORBIS )))

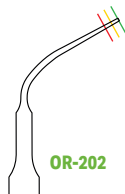
Tips suitable for **KAVO® PIEZOlux & SONOsoft** scaler devices.



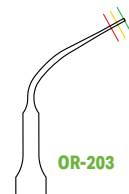
2 mm shorter = 50 % performance loss



OR-201



OR-202



OR-203



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