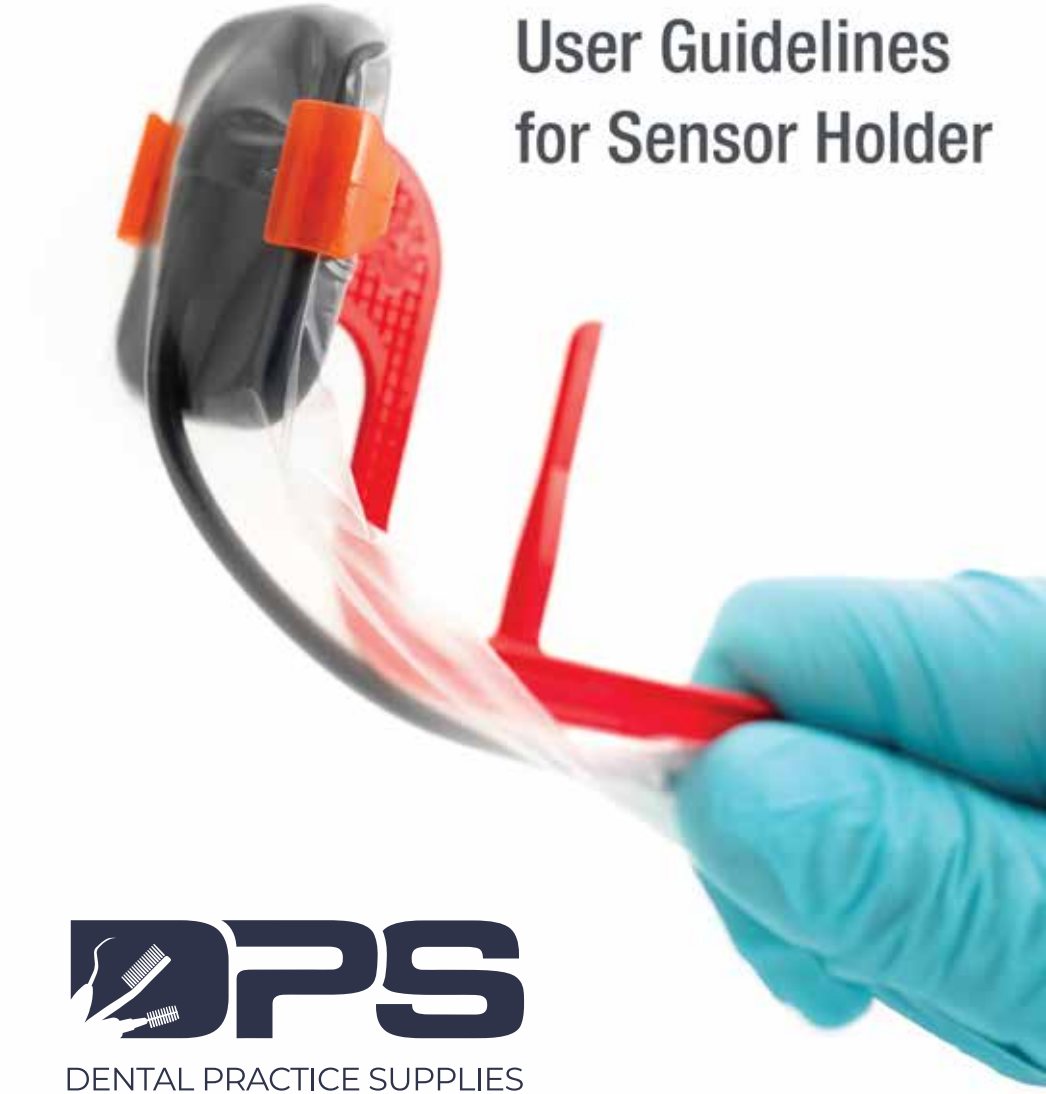
DIRECTA

Troll® Byte Kimera

User Guidelines for Sensor Holder



DENTAL PRACTICE SUPPLIES

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Product Description

TrollByte Kimera are holders to accurately hold dental x-ray sensors during x-ray of teeth.
The manufacturer and its dealers are not liable for any other use of the product. TrollByte Kimera is available in several sizes to fit different sensors. The user is responsible for the selection of the size and model.

QR Code For Video Tutorials

One system video - www.youtube.com/watch?v=jcy5yAesUd4
How to Use - www.youtube.com/watch?v=VCzhxPMk9qQ

One system video

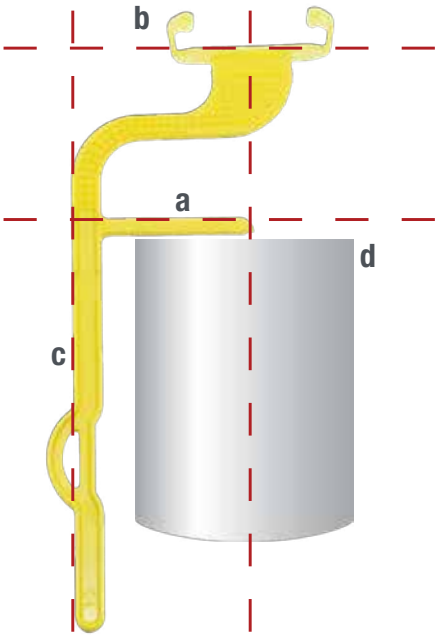
How to Use video

Basic Alignment Recommendations

The tip of the aiming pin (a) aligns perfectly with the center of the holder. It is also parallel to the sensor claw (b) and center to (d) the cone.

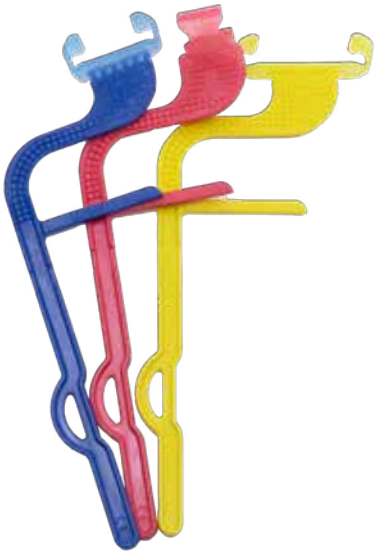
The arm (c) indicates a 90 degree angle to the sensor.

The combination of the aiming pin and the arm makes it easy to determine both the vertical and horizontal position of the sensor. This applies when the sensor is centered, as in bitewing images. When capturing anterior and posterior periapical images, it is advised to use an aiming ring.



IMPORTANT!! Instructions for use including precautions/warnings and reprocessing instructions are accompanying the device at delivery.

Colour coded for easy identification



Yellow holder

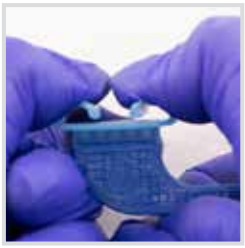
TrollByte Kimera Yellow -
For upper and lower molar and premolars.
Can also be used for horizontal bitewings.
Takes a total of 12 images with 1 holder.

Blue holder

TrollByte Kimera Blue -
For anterior periapicals and vertical bitewings.

Red holder

TrollByte Kimera Red -
For horizontal bitewings.

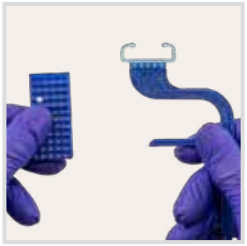


The claw of the holder is adjustable, you can bend the claw inward and outward to get a good fit for your sensor.

Bite Block & Aiming Ring

Bite Block

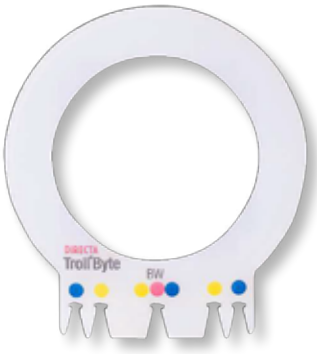
You will need a bite block for all anterior periapical images. The bite block works as an extension of the biteplane and allows you to place the sensor as posterior as possible in the mouth.



Place the bite block on the holder by sliding it over the biteplane and small aiming pin.

Aiming ring

The color markings on the aiming ring are linked to the color of the holder. This makes it easy to put the ring in the correct position depending on which image you are taking.



Position the aiming ring on the holder as illustrated in the picture. Note the indent on the holder indicating where to insert the ring, with the dots facing the sensor. You can slide the aiming ring along the holder for adjustment.

Image Placement

Blue holder - Page 7

Maxillary Central Incisor
Maxillary Lateral Incisor
Maxillary Cuspid

Blue holder - Page 8

Mandibular Central Incisor
Mandibular Lateral Incisor

Blue holder - Page 9

Vertical Bitewing

Yellow holder - Page 10

Maxillary Molar

Yellow holder - Page 11

Mandibular Molar

Yellow holder - Page 12

Horizontal Bitewing

Red holder - Page 13

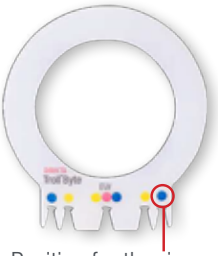
Horizontal Bitewing

Image Placement

Blue holder

Maxillary Central Incisor
Maxillary Lateral Incisor
Maxillary Cuspid

You will need a bite block for all anterior periapical images.
See page 5 for assembly instructions.



Position for the ring on the arm of the holder, dots facing the sensor.

To use the most of the sensor's effective image area, move the sensor further in the apical direction

To use the most of the sensor's effective image area, move the sensor further in the apical direction

Ready for use. The bite block allows you to position the sensor as posterior as possible.

Put the sensor in place.

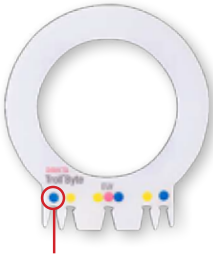
The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

Align and center the x-ray tube on the aiming ring and capture the image.

Image Placement

Blue holder

Mandibular Central Incisor
Mandibular Lateral Incisor



Position for the ring on the arm of the holder, dots facing the sensor.

You will need a bite block for all anterior periapical images.
See page 5 for assembly instructions.

To use the most of the sensor's effective image area, move the sensor further in the apical direction

The sensor should be placed shown in the picture. The top edges of the sensor aligns with the claw.

Ready for use. The bite block allows you to position the sensor as posterior as possible.

Put the sensor in place.

The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

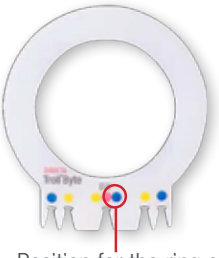
Align and center the x-ray tube on the aiming ring and capture the image.

Image Placement

Blue holder

Vertical Bitewing

You do not add the Bite block to the holder for Vertical Bitewings.



Position for the ring on the arm of the holder, dots facing the sensor.

Center position

The sensor should be placed in the middle with the cord down. As shown in the picture above.

Ready for use.

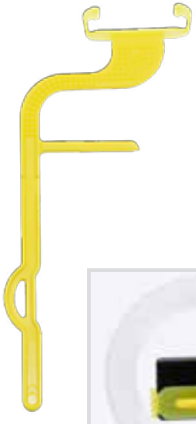
Put the sensor in place.

The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

Align and center the x-ray tube on the aiming ring and capture the image.

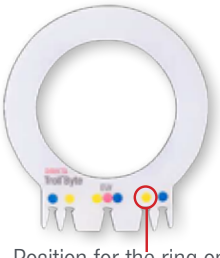
Image Placement

Yellow holder



Maxillary Molar

The Yellow holder is the most popular and widely used holder. It is designed to capture a total of 12 images, including all periapical (PA) and horizontal bitewing images.



Position for the ring on the arm of the holder, dots facing the sensor.

To use the most of the sensor's effective image area, move the sensor further in the apical direction

The sensor should be placed as high as shown in the picture. The bottom edges of the sensor aligns with the claw.

Ready for use.

Put the sensor in place.

The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

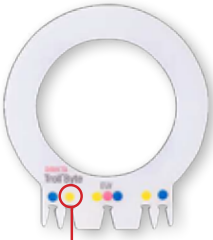
Align and center the x-ray tube on the aiming ring and capture the image.

Image Placement

Yellow holder

Mandibular Molar

The Yellow holder is the most popular and widely used holder. It is designed to capture a total of 12 images, including all periapical (PA) and horizontal bitewing images.



Position for the ring on the arm of the holder, dots facing the sensor.

To use the most of the sensor's effective image area, move the sensor further in the apical direction

The sensor should be placed as low as shown in the picture. The top edges of the sensor aligns with the claw.

Ready for use.

Put the sensor in place.

The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

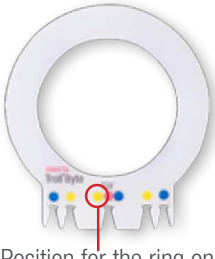
Align and center the x-ray tube on the aiming ring and capture the image.

Image Placement

Yellow holder

Horizontal Bitewing

The Yellow holder is the most popular and widely used holder. It is designed to capture a total of 12 images, including all periapical (PA) and horizontal bitewing images.



Position for the ring on the arm of the holder, dots facing the sensor.

Center position

The sensor should be placed in the middle position as shown in the picture above.

Ready for use.

Put the sensor in place.

The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

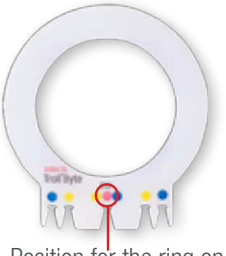
Align and center the x-ray tube on the aiming ring and capture the image.

Image Placement

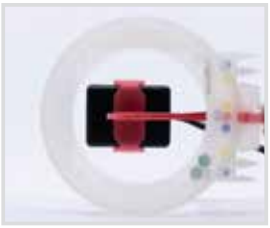
Red holder

Horizontal Bitewing

The Red holder is specifically used to take horizontal bitewing images only.



Position for the ring on the arm of the holder, dots facing the sensor.



Center position

The sensor should be placed in the middle position as shown in the picture above.

Ready for use.

Put the sensor in place.

The ring shows the position of the sensor. It also has a guidance markings for centering the x-ray tube.

Align and center the x-ray tube on the aiming ring and capture the image.

Endo and Image Plate

TrollByte Kimera Endo

Trollbyte Kimera Endo - is compatible with most common sensors brands on the market.

Content:
1x Endo Holder Blue, 1x Endo Holder Yellow,
2x Endo Blocks (green, red), 1x Aiming Ring.

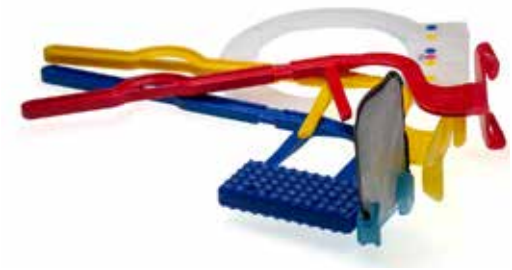
Endo Block act as an extended bite area of the holder´s bite plate and has an open space to gather files in.

Colour coded for easy identification.

Green - use for left upper jaw/right lower jaw
Red - use for the right upper jaw/left lower jaw

TrollByte Kimera Image Plate PSP

To use with image plates and is compatible with most common image plates on the market. Available in sizes #2, #1, #0 as a kit, single/ refill and endo kit.



Sensor covers (recommended)

Protect Your Sensor & Holder Together with TrollBag XL

DIRECTA
Troll® Bag

TrollBag sensor sleeves are recommended for use with Kimera Sensor Holders. Designed to work together, the polymers of the holder and sleeve create a non-slip feature that secures the sensor in the holder's claw.*

This design ensures the sensor stays in place when the patient bites down, preventing any movement of the sensor in the patient's mouth.

Directa TrollBag is super soft and strong with smooth edges for patient comfort. The tear-up-the-side feature helps prevent the pulling of the cord during removal which helps extend the lifespan of your sensor.

*To properly fit your sensor, use TrollBag #1 for #0 and #1 sensors, TrollBag #2 for #2 sensors, or TrollBag XL to cover both your sensor and holder.

Cleaning and Sterilizing Procedures for TrollByte Kimera GC sensor holders

Cleaning:

1. Remove visible debris or organic matter from the holders and accessories (biteblock & aiming ring) with a disposable wipe or surface brush. This is to be done by scrubbing with warm tap water and soap or detergent.

2. Inspect holders for debris. Repeat step 1 if necessary.

3. Thoroughly soak immediately in an appropriate disinfecting solution for plastic instruments, following the manufacturer's instructions. Avoid citrus based detergents as these may cause corrosion.

   Alternatively to step 3, an ultrasonic cleaner with an appropriate cleaning and disinfecting agent can be used, in accordance with the manufacturer's instructions.

4. Rinse all pieces with warm tap water.

5. Dry all pieces thoroughly.

Sterilization:

Sterilize in a steam autoclave using distilled water at a temperature of 134˚C (273˚F) for 3 minutes, or at 121˚C for 15 minutes.

Do not use chemical autoclave.

Do not place other items on top of the TrollBytes when autoclaving as they may distort under heat and pressure.

Avoid direct contact with the metallic part of the autoclave.

WARRANTY:
TrollByte Kimera GC is manufactured from high grade polymers. Plastic parts have a limited life span and should be replaced periodically. Warranty Period for all sensor holders, under normal use, is limited to 12 months from delivery, or 75 autoclave cycles, whichever occurs first.

DPS
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