

# KaVo Jaw Simulators

KaVo jaw simulators  
for dental training.



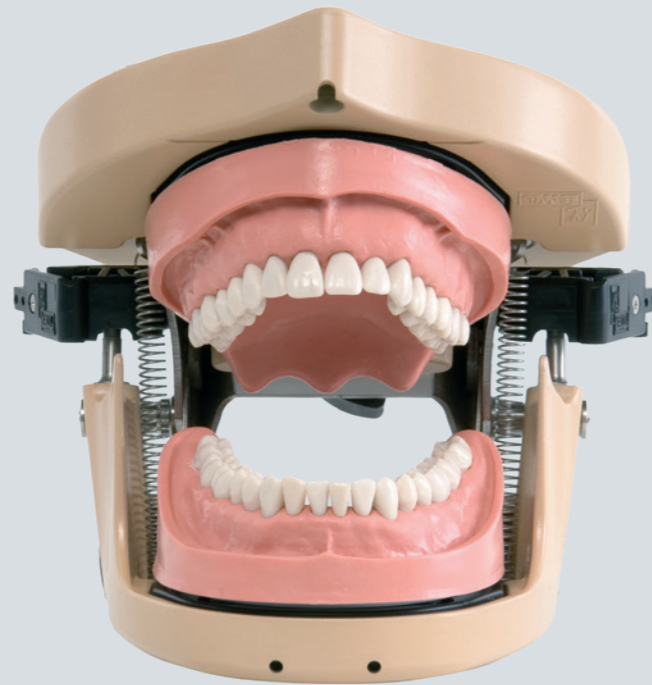
# KaVo Jaw Simulators

## Product overview.

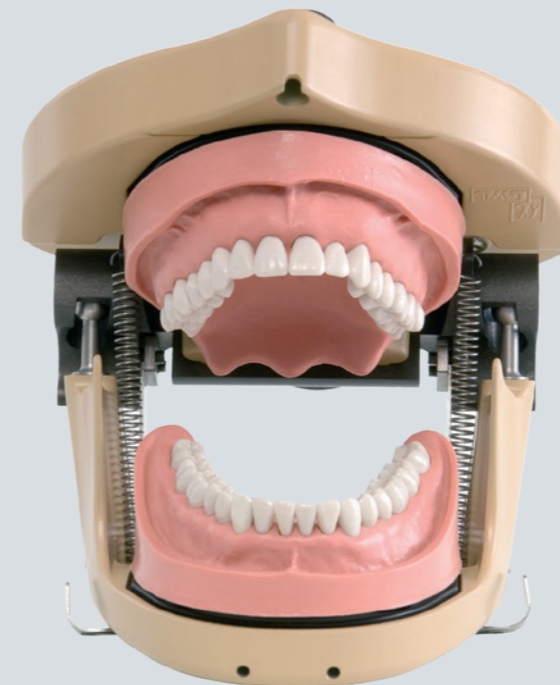
The patient lies at the heart of all dental activities. Patient simulators can be used for qualified dental training, continuing postgraduate education, and successful patient demonstrations.

The G20, G40 and G50 KaVo jaw simulators meet all the requirements for specialised patient simulators. All of the most important anatomical dimensions and reference planes have been considered. The robust structure and durable materials used mean the models are perfect for use in universities and training facilities.

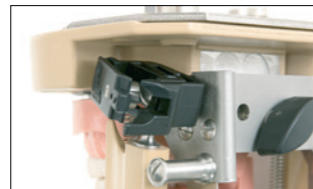
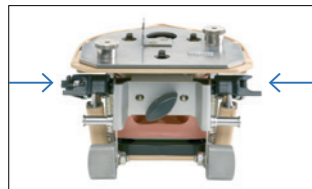
**G50**  
The adjustable jaw simulator for training and continuing education



**G40**  
The optimal jaw simulator for dental training



**G20**  
Entering the world of KaVo jaw simulators



### Setting the incisal edge distance

With the G50 model, you have the option to set the incisal edge distance to between 20 and 50 mm. This allows preparations to be simulated and practised on patients with various mouth opening sizes.



Preparatory work for a mouth opening of 20 mm



Preparatory work for a mouth opening of 50 mm

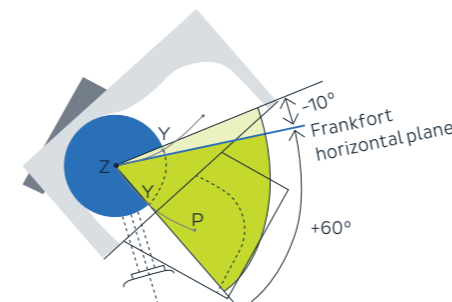
### Centric locking

The G50 hinge boxes have a centric lock that allows precise positioning of the centric position of the condyles in a closed state. This allows occlusion contacts to be reproduced unambiguously.

### Adjustable condylar path angle

The condylar path angle can be set from  $-10^\circ$  to  $+60^\circ$ .

Solid, metal condylar assemblies for daily use in practical dental training. Average values are used for the condylar path angle and Bennett angle. The mouth opening is set to a fixed value of 50 mm so that students can practice simulated intraoral access that is as realistic as possible.



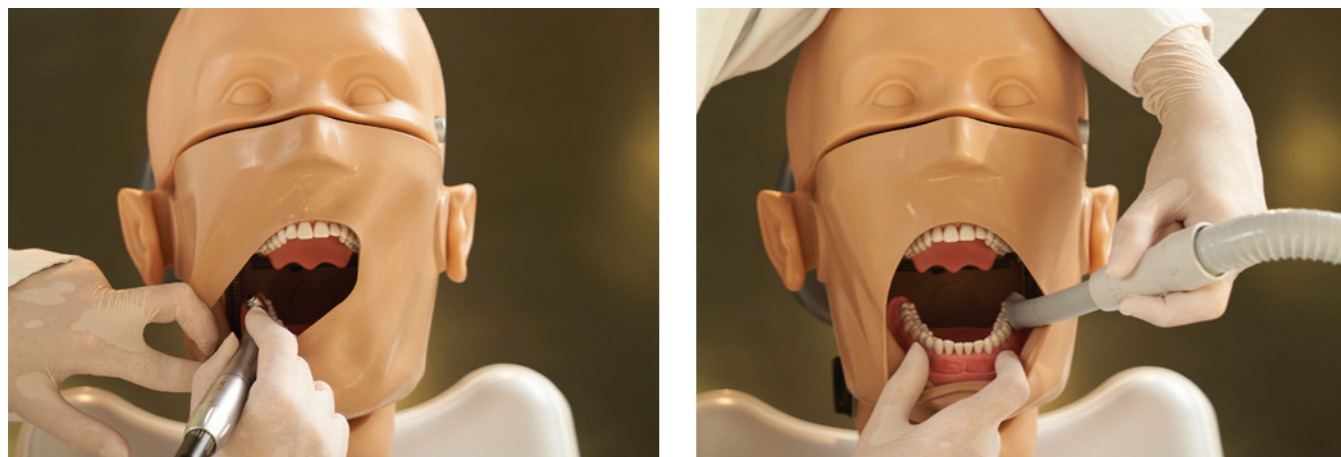
The G20 jaw simulator offers effortless handling, a robust structure made of stainless steel, and is impervious to corrosion. It is easy to set up the mandibular and maxillary models on the G20 jaw simulator using the model contours. All required anatomical values were set to average values.



G20 - curved hinge boxes

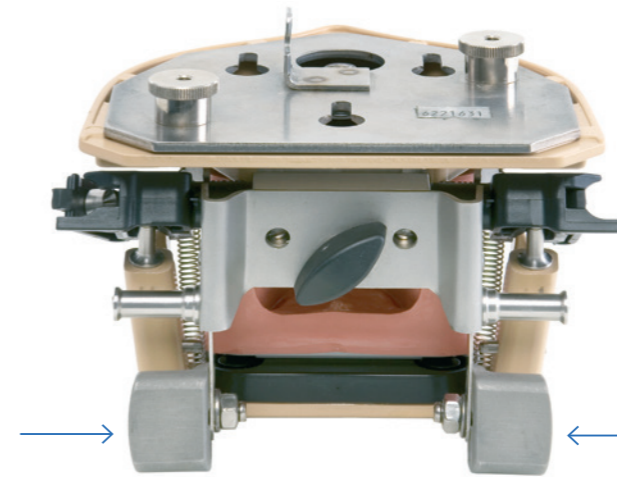
# Anatomical reference points and articulation movements.

Dentists and their assistants can practise the widest possible variety of treatment options on a highly realistic patient simulator using the KaVo jaw simulators. The condylar box guide paths resemble the natural proportions as closely as possible. It is possible to precisely analyse the effects of condylar joint inclination on the articulation movements.



Realistic options for treatment for dentists and their assistants.

# Articulation movements



### Height adjustment for different model variants

(Also possible for third party models). Perfectly designed for KaVo models.

### Mandible closes

The mandible closes when the buttons on the sides are pressed. This can also be accomplished without removing the facemask.

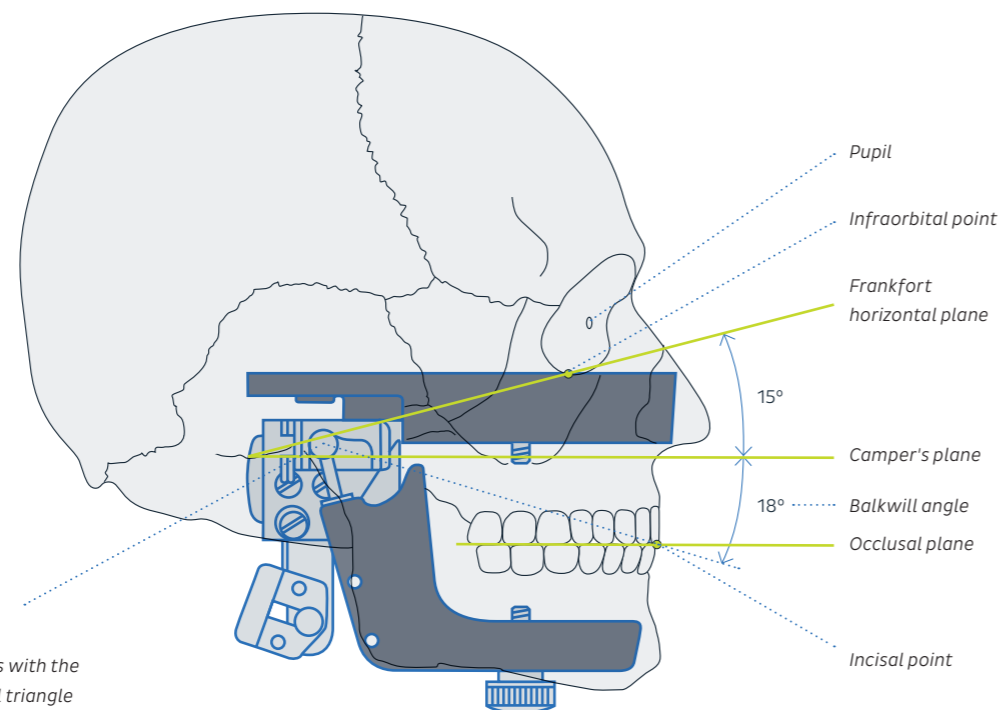


### Rotational movements around the condylar axis

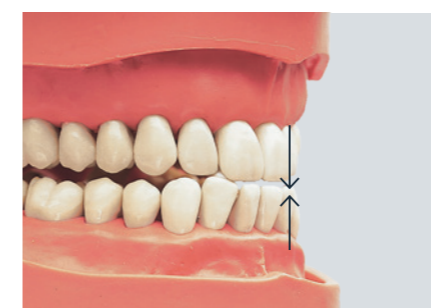
The condyles complete a hinge rotational movement if the incisal opening distance is up to 15 mm.

### Anterior condylar movement

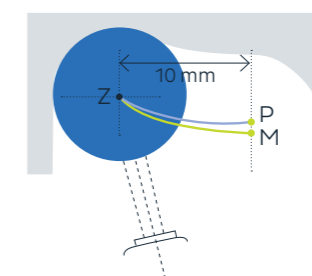
The condyles also move anteriorly when the incisal opening is greater than 15 mm.



Hinge axis in centric relation (Z). Intercondylar distance of 110 mm (as with the PROTARevo articulator). The Bonwill triangle is reproduced with average values.

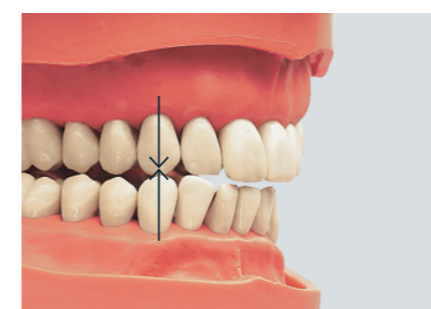


Protrusion

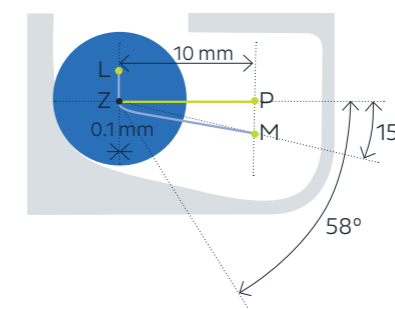


### Diagram of the horizontal plane

The lateral view of the hinge box shows the protrusion path Z-P and the mediotrusion path Z-M in the horizontal view.



Laterotrusion



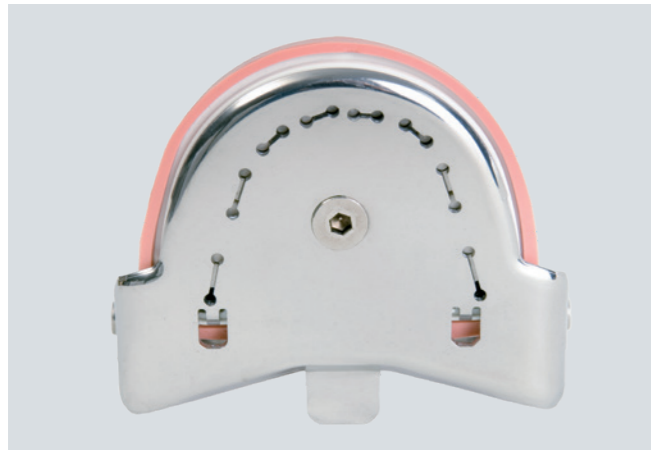
### Diagram of the sagittal plane

The bird's-eye view of the hinge box also shows the laterotrusion path Z-L in the horizontal plane, in addition to Z-P and Z-M. An average of 15° is assumed to be the Bennett angle.

## Attachment and setup of the dental model.

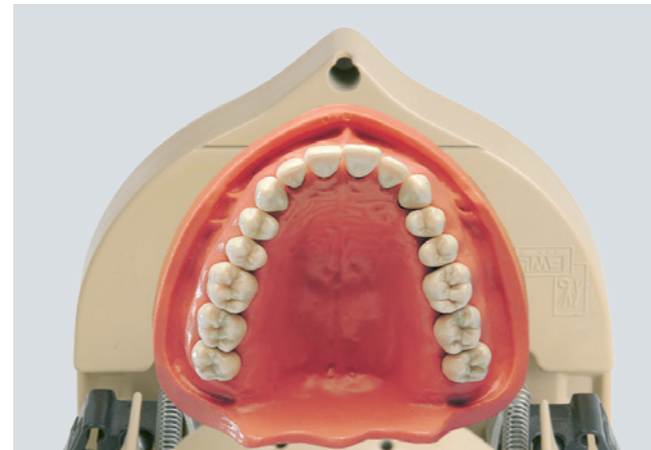
The KaVo dental models can be secured and setup in various different ways in the jaw simulators.

### Attachment using the model contours



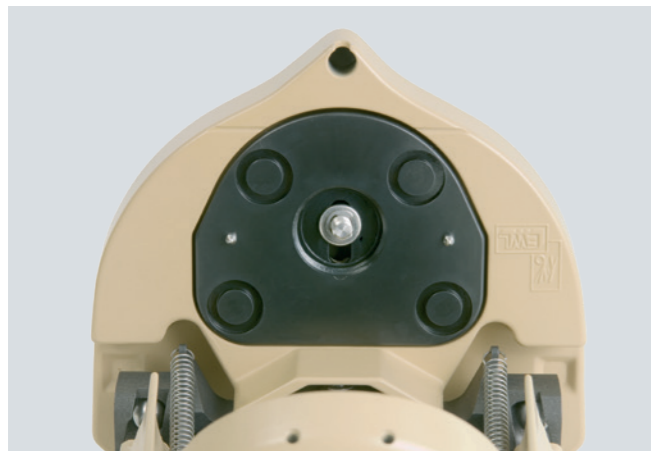
Attachment using the model contours – only for the G20 jaw simulator

### Attachment with screws/ setup as per the auxiliary line



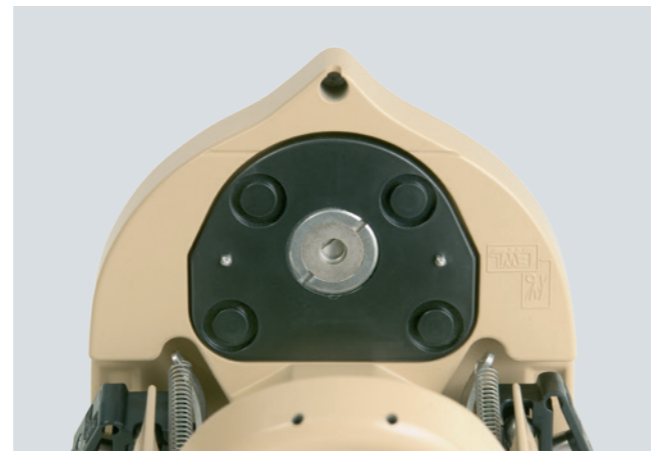
The maxillary dental model is set up using the auxiliary line on the upper part of the jaw model. Mainly used for third party models. For G40 and G50

### Attachment using a screw/ setup using pins



The benefit of pin mounting: Identical and reproducible occlusion is always achieved, which means that it is easier and quicker to mount compatible models. Available for G40 J and G50 J.

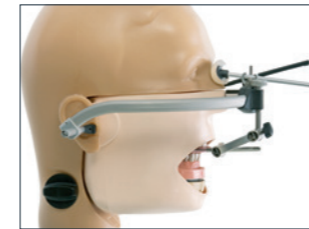
### Attachment using a magnet/ setup using pins



Consistently reproducible occlusion, making it even faster to remove and replace models. Available for the G40 JM and G50 JM.

## Adaptation of the registration devices and accessories.

### ARCUSEvo face bows



The ARCUSEvo face bows are arbitrarily mounted.

### Assembly set



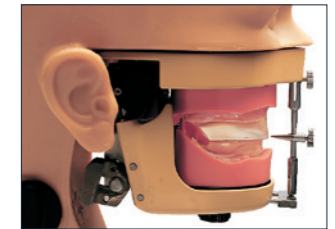
The KaVo dental models can be mounted onto any articulator with adequate construction height with the assembly set | 0.622.1901

### Model in the articulator



The PROTAREvo articulators are ideally suited for assembling KaVo models, because they perfectly reproduce the settings of the jaw simulators.

### Occlusal height fixator



The KaVo occlusal height fixator for determining occlusal height and securing the position of the mandible with edentulous models. Occlusal height fixator | 0.622.0551

### Facemasks

Various masks with two different mouth opening sizes and different drainage tubes are available.



#### Standard facemask

Mid-sized mouth opening 54 x 56 mm | 0.622.1312



#### Standard facemask

Large mouth opening 59 x 89 mm | 0.622.3882



#### Facemask with adaptor to connect to the spray mist suction

Mid-sized mouth opening 54 x 56 mm | 0.622.1431

Larger mouth opening 59 x 89 mm | 1.011.2618



#### Facemask with drainage tube (spare part for facemasks with adaptor)

Mid-sized mouth opening 54 x 56 mm | 0.622.0531

Larger mouth opening 59 x 89 mm | 1.011.1401



#### Latex facemask

Large mouth opening 59 x 89 mm | 0.622.4872

# Dental Excellence in every area



## Practice equipment

KaVo treatment units, operating lights, patient chairs, patient communication systems and other accessories for the dental practice.



## Instruments

Dental handpieces and contra-angles, turbines, powder jet handpieces and small devices for all areas of application from diagnostics and prophylaxis to restoration, surgery, endodontics and instrument care.

The products, equipment and services shown and described in this catalogue are not available in all countries. All information corresponds to the knowledge available at the time of printing. KaVo Dental GmbH does not accept any liability for discrepancies in colour and form in the images, errors or misprints and reserves the right to make changes to the brochures at any time. Reproductions – even of excerpts – may only be made with the approval of KaVo Dental GmbH.

KaVo is a registered trademark of KaVo Dental GmbH in the United States and/or in other countries. All other trademarks are the property of their respective owners.