

Hinge Fixator

Best suited for fabrication of bimaxillary orthodontic appliances and IST® splints thanks to the built-in hinge.

Shorter
fabrication time
compared to other
devices!

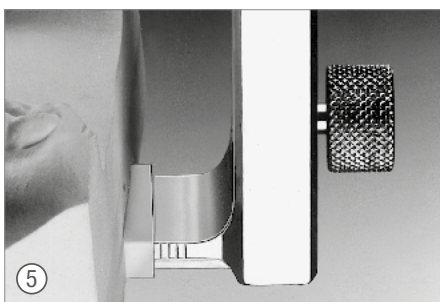
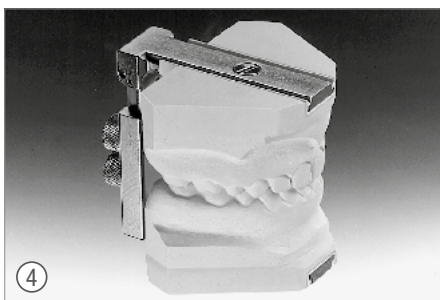
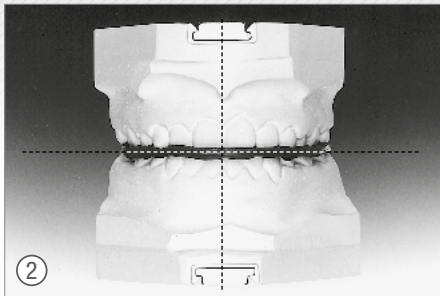
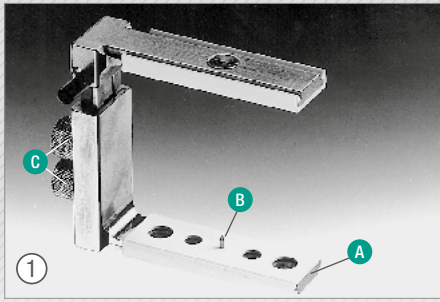


The Hinge Fixator is ideal for the fabrication of bimaxillary functional orthodontic appliances. In comparison to other articulators and fixators, the Hinge Fixator offers some advantages, such as facilitating the fabrication of functional orthodontic appliances and saving working time.

The built-in hinge in the upper part of the fixator makes grinding functional orthodontic appliances as well as fabricating divided activators and IST® splints much easier.

The mounting splints which attach to the Hinge Fixator offer another advantage facilitating the working procedure. These plastics splints are attached to the fixator arms, tightened, and kept in an exact reproducible position with a screw.

The models fixed in a construction bite are positioned between the mounting splints in the fixator. The models can be taken off the fixator arms at any time and can be set back in the fixator after a turn of 180°. Thanks to the millimeter scale on the lower fixator arm, the model can be moved precisely in sagittal direction.



Operation Steps

- A** Mounting splints
- B** Peak screws
- C** Thumb screw

Slide on the mounting splints **A** and fix them with peak screws **B**, so that they are in zero position (s. picture ①). Apply vaseline or similar to the fixator arms to facilitate taking off the splint. Put the locking-pin which is included in the equipment into the hole under the hinge axis, so that the fixator is fixed in a 90° angle.

Loosen the thumb screw **C**, open the Hinge Fixator and position the models which are occluded by construction bite between the peak screws. Make sure to position the models so that they do not exceed the mounting splints from the anterior and posterior sides. Take care that the models are fixed right in position (Bonwill triangle, medial line, masticatory plane). (s. picture ② + ③).

For mounting, let thin plaster flow into the retention holes of the mounting splints between model and fixator arms. Put lower model into plaster then mount the upper model.

Once the plaster has set, clean and cut away all plaster residue from fixator arms and model. Cut plaster base (s. picture ④).

To remove models, twist out the peak screws and take off the splints. The models can be turned by 180° and reinserted for modelling the lingual-palatal area using resin.
Attention: To avoid shrinkage of mounting splints, boil the models only when they are fixed to the fixator arms.

For grinding and opening movements, remove the locking pin below the hinge axis.

For controlled sagittal movement, remove the peak screw of the lower jaw model, move the model with the help of the millimeter scale into the desired position and fix it again with clamping screw in the new position (s. picture ⑤).

Hint:

All functional parts of the Hinge Fixator are fabricated with high precision, so that lasting use is guaranteed. Precondition for this is that good care is taken in the workaday routine and that the functional parts are always kept free of plaster dust and other debris.

Delivery programme

// Hinge Fixator

(incl. 10 pcs. mounting splints, 2 pcs. peak screws, 2 pcs. clamping screws, 1 pc. locking pin and 1 pc. screw driver)

1 pc. 5374

Spare parts

// Mounting splints **A**

10/100 pcs. 5375

// Peak screws **B**

10 pcs. 5376

Further spare parts: Thumb screw **C** and clamping screw available on request.

