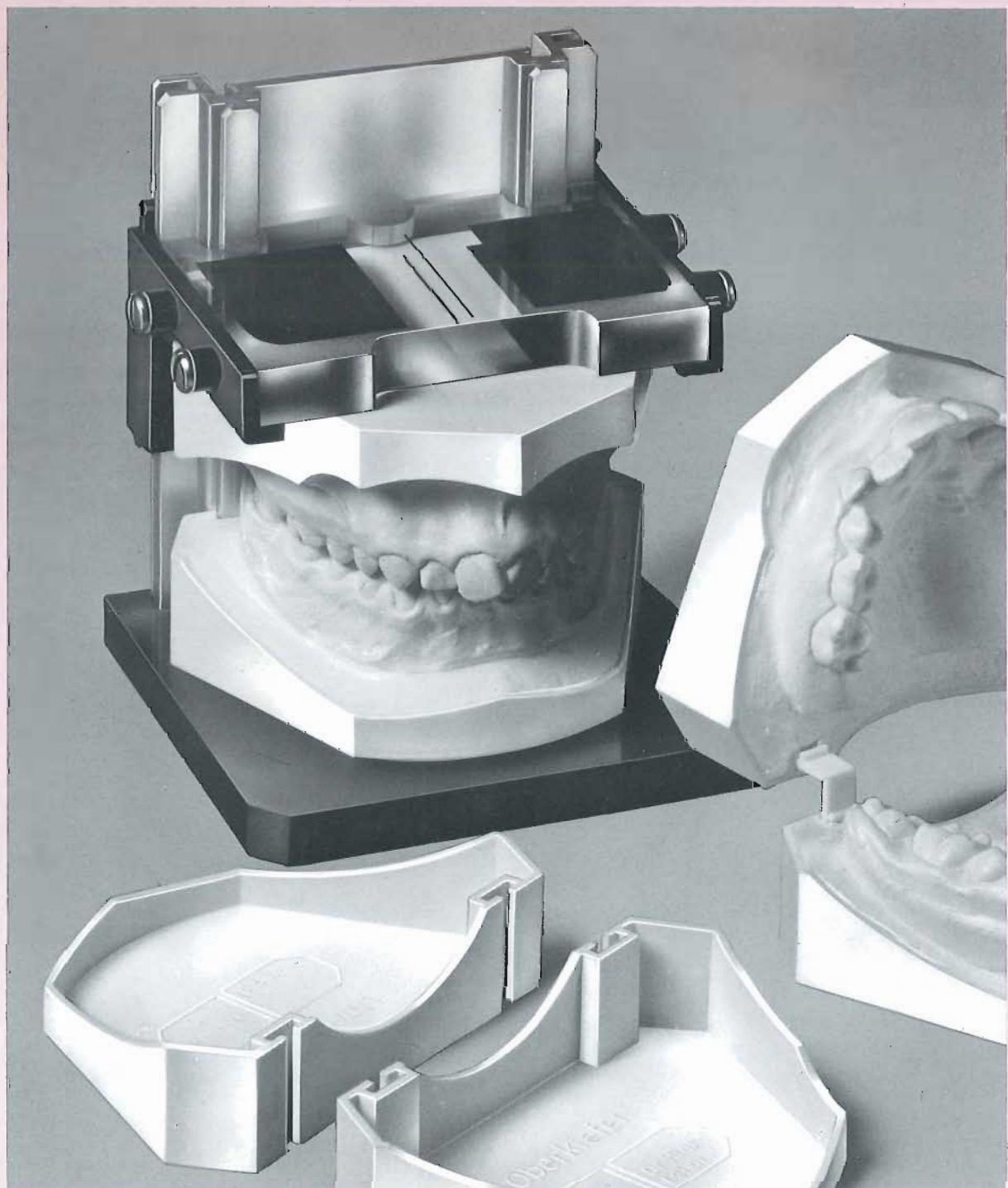


# Study Model Base Unit (DR. HINZ)

For mounting of three dimensionally oriented orthodontic study models. The acrylic base trays conform to international standards for upper and lower base design. Manufactured from impact resistant polystyrol, the base trays protect the models from damage and

approximate the anatomy of the maxilla and mandible. Time consuming preparation of plaster bases is eliminated. A predetermined, uniform study model height of 6 cm is simply obtained by use of the base forming unit.



# Instructions

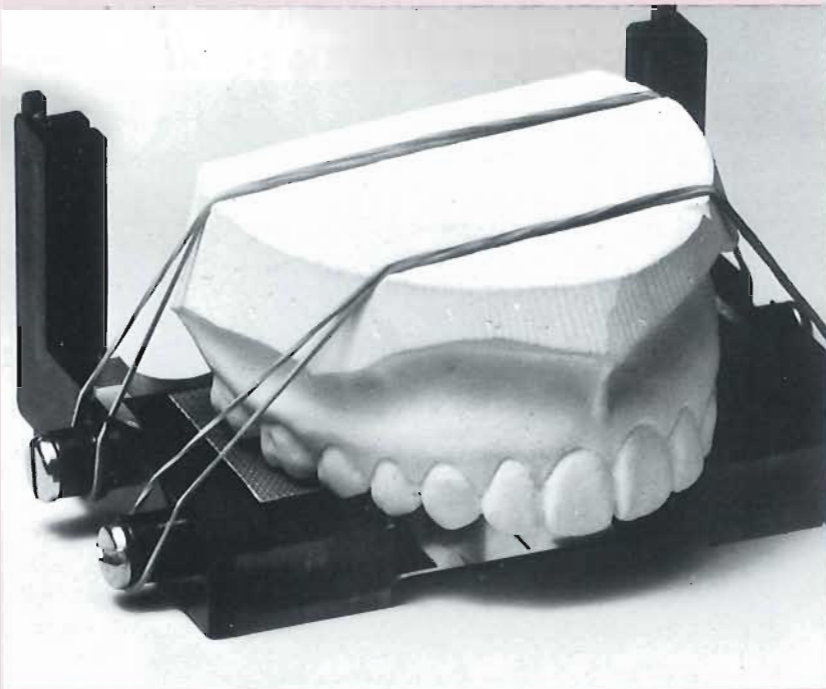


Fig. 1

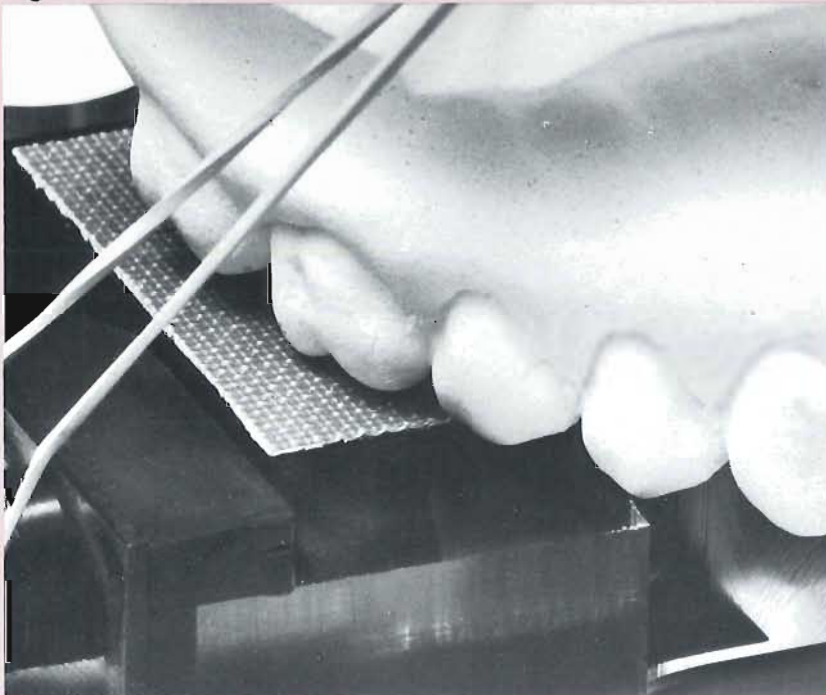


Fig. 2

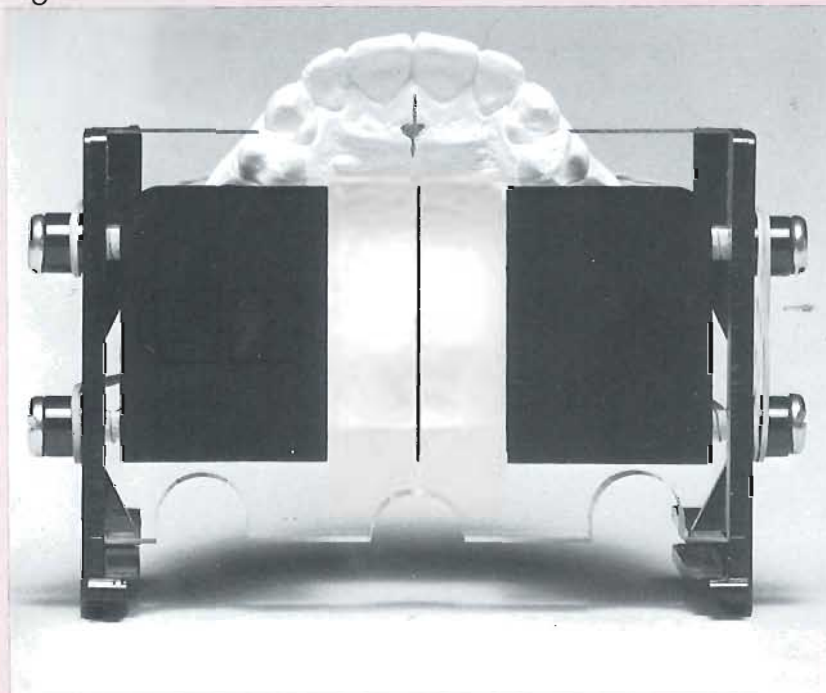


Fig. 3

**1** Pour the impressions with a relatively flat base and trim around the circumference of the base. Carve the teeth and vestibular fold.

**2** Mark the mid-palatal plane on the maxillary model. Secure the model against the upper member of the base unit with rubber bands (Fig. 1).

**3** Determine the functional occlusal plane – a horizontal line connecting the molar and bicuspid cusp tips – by placing the upper model on the base unit (Fig. 2).

**4** Match the mid palatal plane to the engraved sagittal line. Then, adjust the anterior edge of the base unit to coincide with an imaginary line connecting the distal surfaces of the cuspids, parallel to a plane across the tuberosities (Fig. 3).

**5** Place the dovetail of the upper base tray into the guide rails on the vertical posterior wall of the unit and slide it inferiorly to rest against the base plate (Fig. 4).

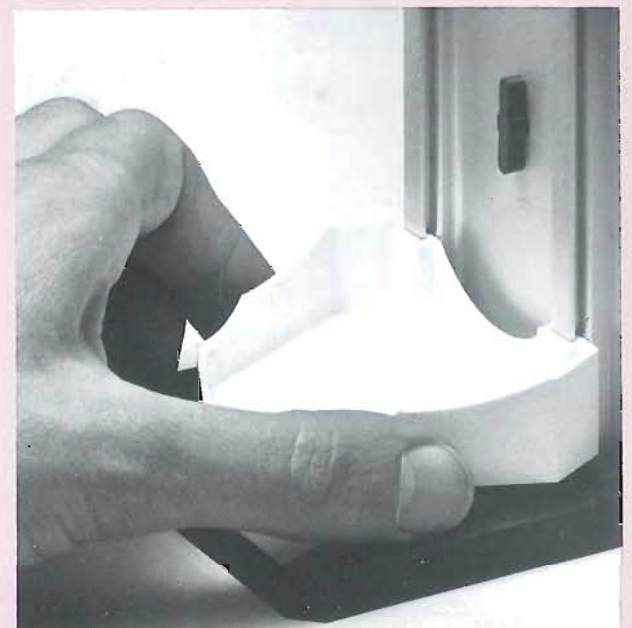


Fig. 4

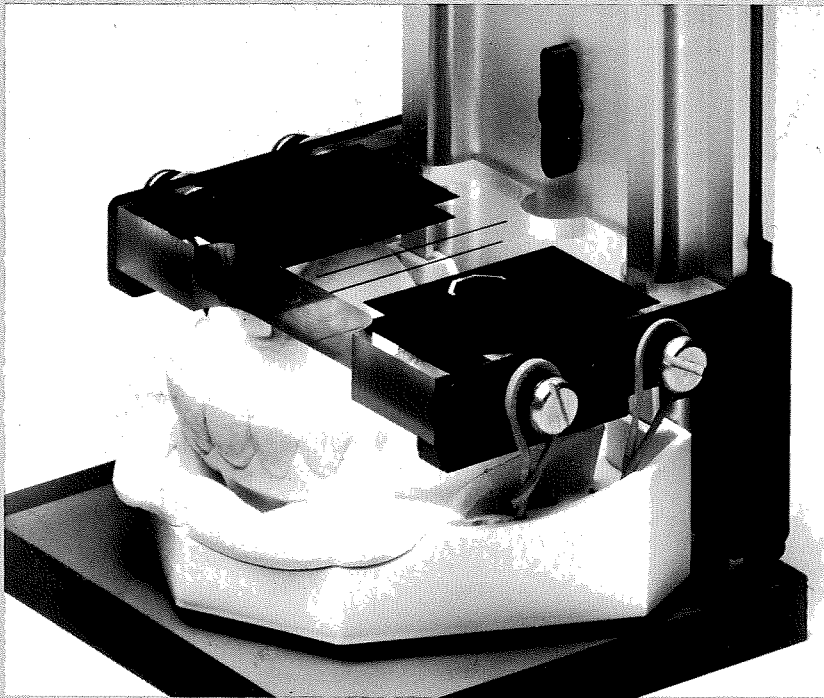


Fig. 5

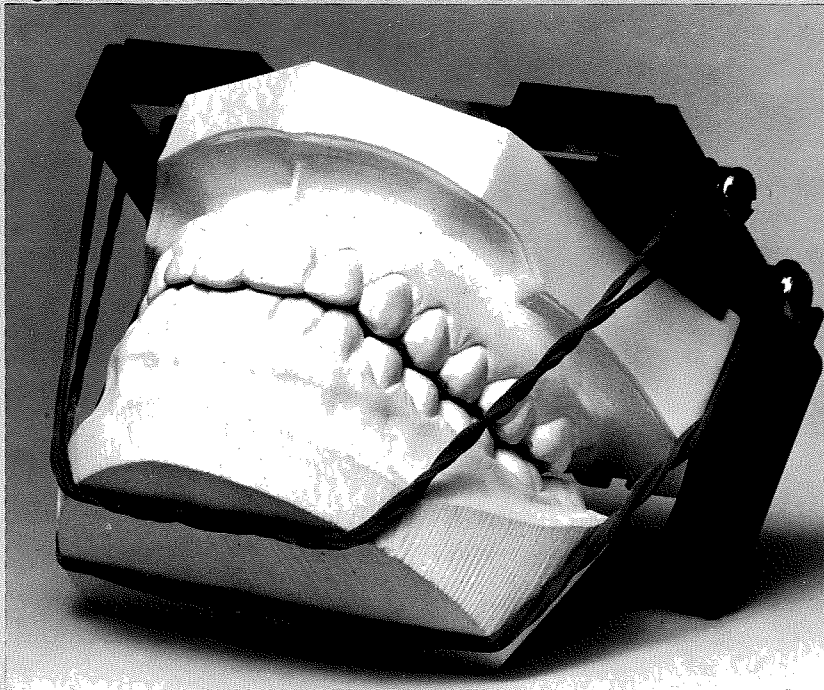


Fig. 6

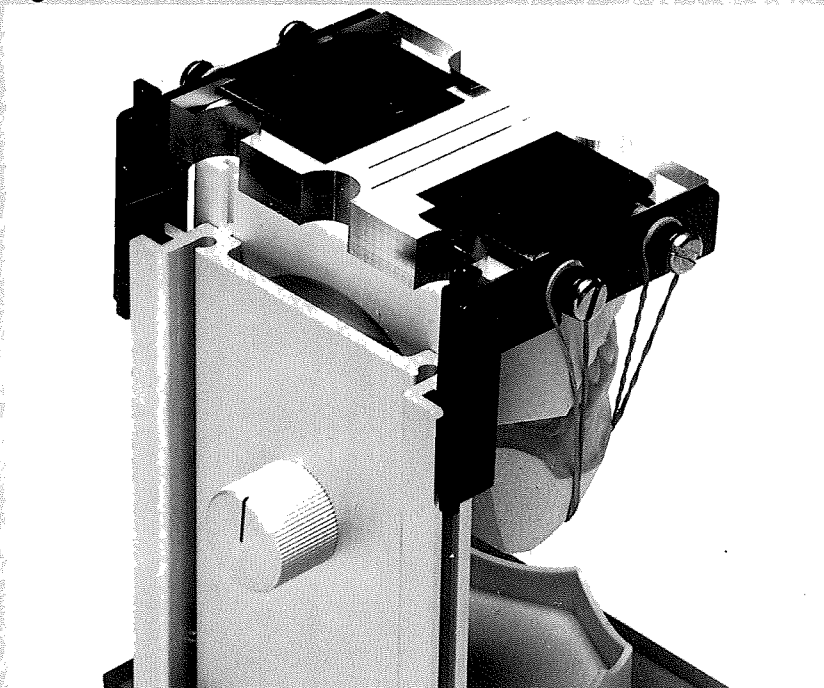


Fig. 7

**6** Pour plaster into the acrylic base tray and lower the upper member of the base unit, with attached maxillary model, as far as it will go. After allowing the plaster to set for a short time, remove the rubber bands. Remove excess plaster and smooth under running water (Fig. 5).

**7** Place the mandibular and maxillary model, with base attached, into occlusion and secure to the upper member of the base unit (Fig. 6).

**8** Set the locking bar of the base unit into a horizontal position. Insert the mandibular base tray as described in step 5 and fill with plaster (Fig. 7).

**9** Place the upper base with attached models over the rails on the posterior wall of the unit and lower as far as it will go (Fig. 8).

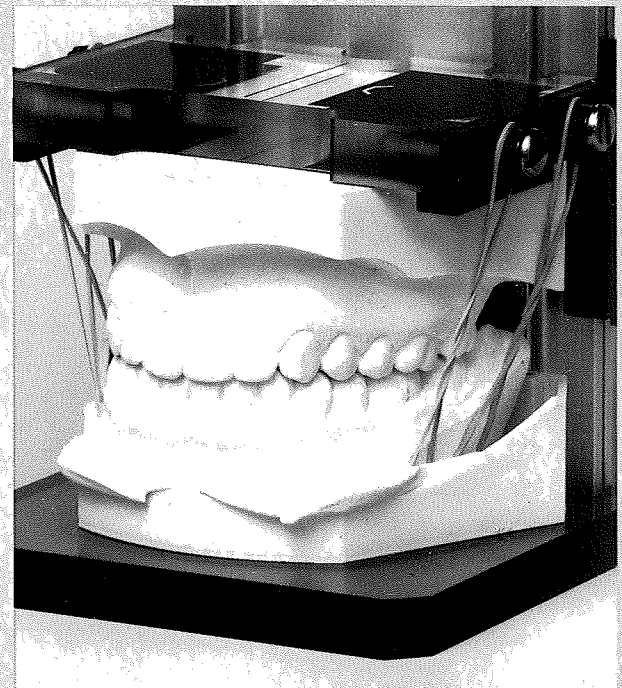
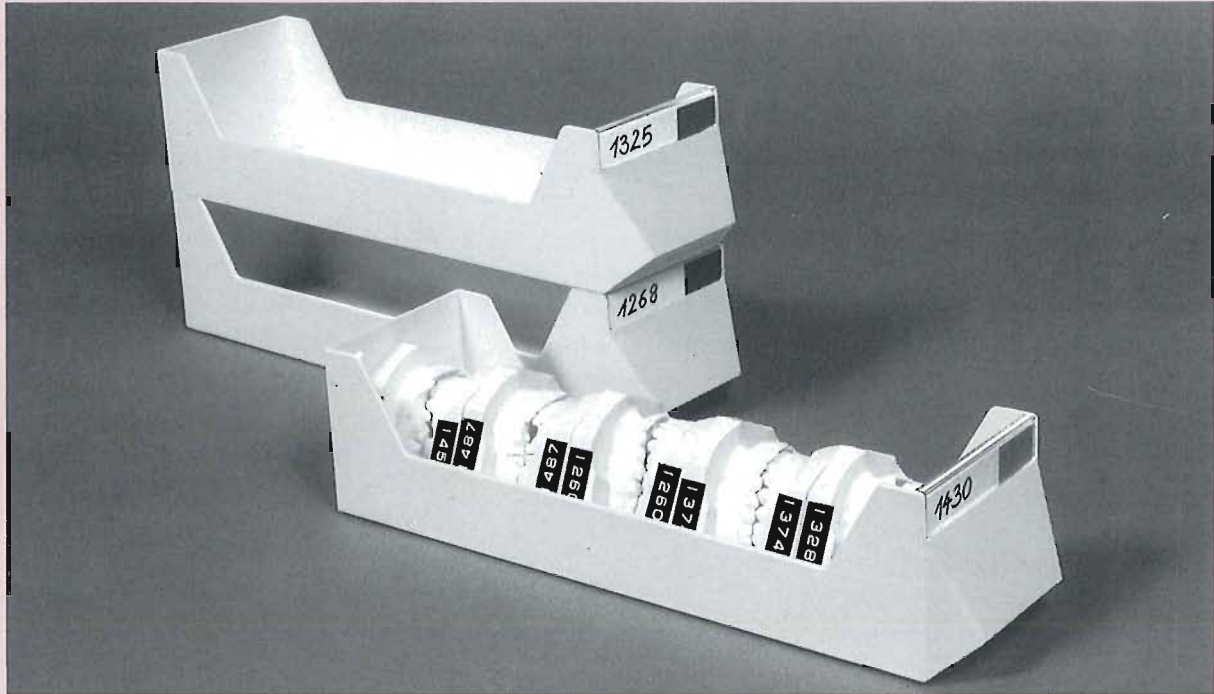


Fig. 8

# Orthodontic Model Trays



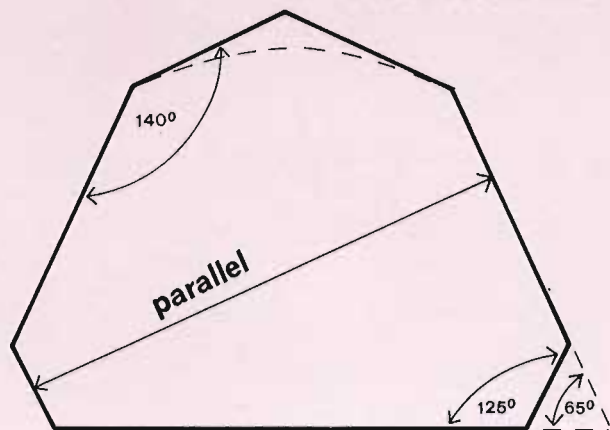
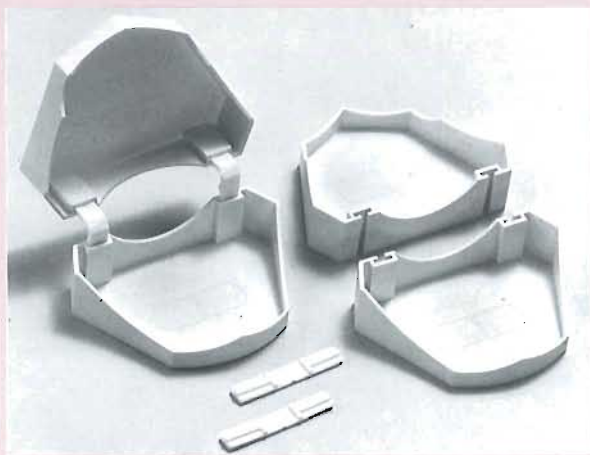
White, break-resistant polystyrene, stackable. With practical handy grip and replaceable label with acrylic glass cover. The labels can be used for the patient's name or number and are colour-coded in red, blue, green, yellow

(1 set of labels per tray, colour-coded as indicated).

Capacity: 5 pairs of models (orthodontic and prosthodontic models).

Exterior dimensions: Length - 33.3 cm, Height - 8.3 cm, Width - 9.4 cm.

**Order No. 92220**



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