

Mandibular Clamp for Dentures

Description

The mandibular clamp is necessary to fix the dynamic face-bow to the mandible to record the mandibular movement electronically (or mechanically). It is used with patients how have a full denture in the mandible or partial denture with remaining anterior teeth.

The mandibular clamp has (on top) three holes to hold the transfer fork fitting with three pins. The transfer fork holder has attached two engraved bars at right angle. Two horizontal engraved bars are attached with big tommy screws holding a crossbar (blue) also attached with small tommy screws. **This crossbar needs to be cushioned using it below the chin of your patient.**



Scope of delivery

The mandibular clamp is used with the transfer fork with three pins (one in the middle two distal) which needs to be fixed to the denture.

You can order the transfer fork with two different handles (depending on the diameter):

1. for GAMMA clamp with 7 mm Ø
2. for SAM clamp with 6 mm Ø

Operating Guidelines

To fix the transfer fork to the denture you need:

- Stents, e.g. Kerr impression compound **RED** (Item No. 60060)
- Gas flame
- Vaseline

At first isolate your fingers with Vaseline.

Heat the transfer fork with the gas flame and drop the impression compound on the backside (on the other side of the pins). **It only sticks to the preheated fork.**

Apply the transfer fork to the occlusal surface of the lower denture and press it with your fingers to the false teeth.

Now put the denture into the mouth to check from behind the patient if the handle is in the middle of the face. **If it deviates from the middle you need to adjust as long as the stens is still soft.** You will notice how often the nose of your patient is not straight.



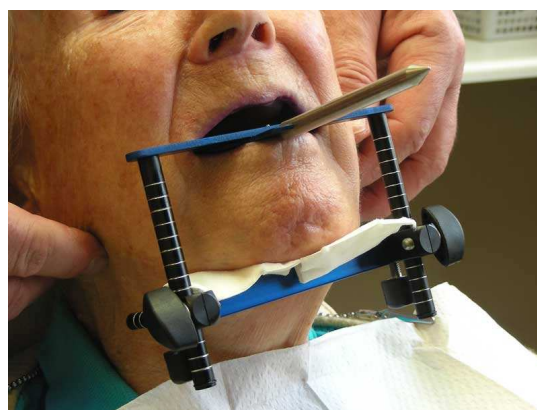
Apply the mandibular clamp

If the handle is in the middle and the stens chilled (hard) you can apply the mandibular clamp.

All four tommy screws need to be open but not too loose. Attach the transfer fork with the three pins to the three holes on top and guide the horizontal crossbar (cushioned with cotton wool wad) backwards at the edge of the mandible.

Now tighten the smaller tommy screws fo the crossbar. Adjust the height of the crossbar to the mandible and tighten the bigger tommy screws.

At last push the handle of the transfer fork to check if it does not move. If there is a gap you need to put a wooden wedge in between to be sure it does not move. The recording of the mandibular movement will be inaccurate if it jiggles.



Now you can apply the dynamic face-bow and start your recordings.

Remove the mandibular clamp

To remove the mandibular clamp you need to open the tommy screws. Remove the transfer fork. With a short hit on the handle, you can separate the fork from the denture outside the mouth. Normally the stens stays on the fork not on the denture. You can remove the stens with a knife to disinfect everything afterwards.