

posact®

**Preformed tooth positioner for finishing
and retention in orthodontics**



CE

FEATURES/BENEFITS

- medical grade silicone
- comfortable
- biocompatible
- can be sterilized
- odorless

POSACT® tooth positioners are constructed following Bonwill ideal arch model.

The tooth sockets correspond to natural denture with a morphologic adjustment to obtain an ideal adjustment to the different dental anatomies.

The occlusion is following Dr. Andrews 6 keys to normal occlusion.



HISTORICAL BACKGROUND...

In 1945, Dr. Harold Kesling has developed a tooth positioner to facilitate post orthodontic treatment finishing phase. Since, tooth positioners became an essential therapeutic tool in the finishing and retention phase.

Today, the evolution of available materials has erased the disadvantages of traditional tooth positioners made of rubber, urethane or polyvinyl, such as: discomfort for patients, non sterilizable, low efficiency in dental movements, opaque, loss of mechanical properties over time...

POSACT® tooth positioners are manufactured with biocompatible silicone, soft and comfortable for patients, providing easier and faster dental movements, without any risk of periodontal trauma and root resorption.

POSACT® CONTRIBUTES TO PREVENT RELAPSE

Since the introduction of tooth positioners by Dr. Harold Kesling, it is admitted that using such devices is optimal for retention in post fixed orthodontic treatment phase.

In orthodontics, relapse is a major issue and remains a current problem to handle and involves many aspects: cellular metabolism, periodontal ligament, elastic fibers, collagens and supra alveolar).

The long term stability of an orthodontic treatment depends on the quality itself of the treatment, and experimental studies (Reitan, Riedel....) proved that teeth can quickly move and relapse directly after removing fixed mechanics appliances.

Relapse start immediately several hours only after removing fixed appliances, teeth are tending to retrieve their initial position, especially when muscular pressure exists.

POSACT® tooth positioners are perfect to provide an immediate response to relapse problems, thanks to the numerous sizes available, covering non extraction and 2 or 4 extraction cases.

RECOMMENDATIONS

Place **POSACT**® tooth positioner directly after removing fixed mechanics appliances, in order to guide teeth to an ideal occlusion, avoid occlusal stress and improve intercuspitation.

In **POSACT**® series, dental arches are built in an anterior-posterior Class 1 relation with a fleet Spee curve.

In case of lower incisors relapse following an orthodontic treatment, even after several years, in particular when 3rd molars appear on dental arches, **POSACT**® tooth positioners are the right tool to correct minor relapses, for example after stripping.

INDICATIONS

- Prevention of relapse
- Correction of minor dental problems: alignment, torque, occlusion and minor rotations
- Closing of inter-proximal spaces
- Closing of dental open bites
- Activator
- Post extraction treatments
- Alignment of lower incisors after stripping



PRECAUTIONS FOR USE

POSACT® tooth positioners do not cover the 3rd molar area. Do not use them in cases where 3rd molars are already erupted.

LIMITS OF USE

- Class 2 div. 2 with deep overbite
- Asymmetric cases
- Posterior cross bite
- Anterior overjet over 4 mm
- Correction of posterior teeth rotation
- Cranio-mandibular and TMJ diseases
- When 3rd molars are erupted

CLEANING AND DISINFECTION

Sterilize during 18 minutes at 134° C or 273° F. For weekly disinfection, drop the appliance in boiling water for 5 minutes.

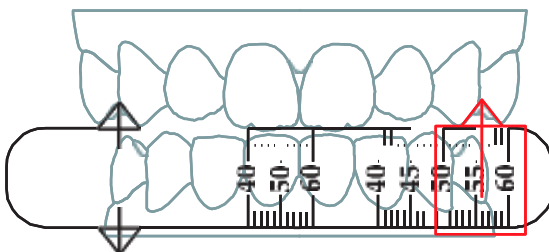
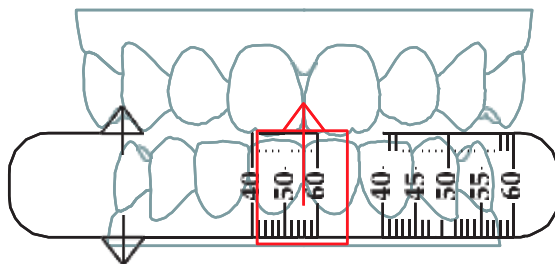
Thanks to a reduced water absorption rate with silicone, there will be no bacterial growth in the appliance, ensuring long term stability of the device.

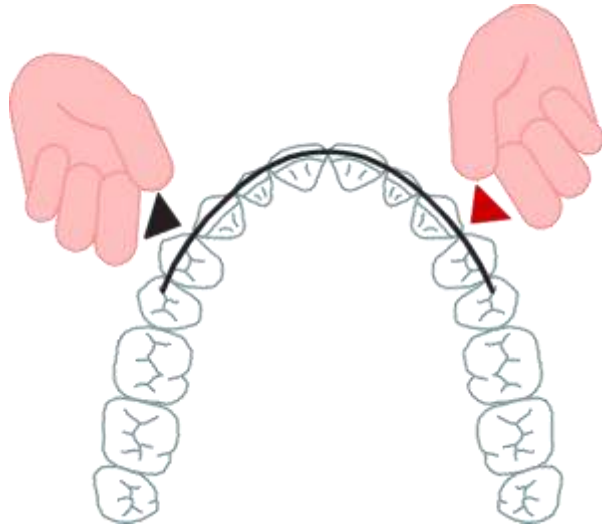
THE PRODUCT LINE POSACT®

POSACT® tooth positioners are available in 3 series, for non-extraction and 2 or 4 extraction cases, and 48 different sizes.

Sizes range from mm to mm and can be identified directly on the appliance next to the breathing holes.

SELECTION SERIE ET MESURE		
SERIE 0 EXTRACTION	SERIE 2 EXTRACTIONS	SERIE 4 EXTRACTIONS
42-0	45-2	44-4
43-0	46-2	45-4
↓	↓	↓
59-0	55-2	59-4
60-0	56-2	60-4





SIZE SELECTION

Our exclusive ruler is showing 2 scales. The first one allows a quick reading of the right size, positioning it from distal upper cuspid to midline (as shown on the picture).

The second scale is used to get a more precise measurement from distal upper right cuspid to distal opposite cuspid along the free edge of teeth.

PATIENT INSTRUCTIONS

To get the best out of our silicone devices, ask the patient **not to masticate on the appliance** (avoid deduction movements), but only apply a moderate force on the appliance for 1 to 3 minutes, release and repeat.

Patient has to start with exercises right after the removal of fixed appliances, during 2 to 6 hours during the first days, then reduce wearing time over 2 weeks, while never reduce it under a minimum of 1 and half hours per day.

In addition to daily wearing time, patient has to wear his appliance at night. Nightwear is equivalent to half an hour daytime exercises.

Advise your patient that it happens to lose the device during the first nights, which is normal until he is used to it.


Wearing time has to be respected strictly to obtain the best results.

ADJUSTMENT OF POSACT® APPLIANCES



In certain cases, **POSACT®** devices need to be adjusted.

Then, use our selected tungsten burs, especially adapted to modify the appliance, avoid gingival contacts, guide dental movements or adapt atypical alveolar shapes (prosthesis or agenesis).

 Note: Our burs are only available for hand pieces

For more information, contact us.

CASE EXAMPLE TREATED

Beginning of treatment : 15/06/1999



After fixed mechanics treatment : 20/12/2000



After 5 months POSACT® wearing time : 20/04/2001

