

# DKZ-System

Defined corporeal tooth adjustment



**DKZ - resin-silicone connection - progress in orthodontics**

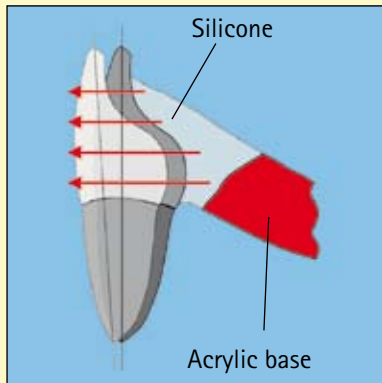
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# Achieving the goal more easily and faster with DKZ!

## Schematic view of the tooth adjustment



### Advantages:

- extensive and new indication range
- reducing the number of appointments
- rapid progress in treatment
- no reactivating of springs and screws
- enhanced comfort of wearing
- set-up model as a motivation tool
- easy care

The set-up model allows a clear definition of the treatment target. Owing to defined pressure of silicone onto the teeth to be adjusted, extensive and versatile corrections can be carried out. The high resin proportion of the orthodontic appliances ensures stable fixation. The biocompatible orthodontic silicone material Multisil excels by its high restoring capacity and permanent elasticity whilst providing the effect of protecting forces.

## DKZ case study



Patient situation prior to the treatment.



In situ.



After completed treatment.



Occlusal view prior to the treatment.



In situ.









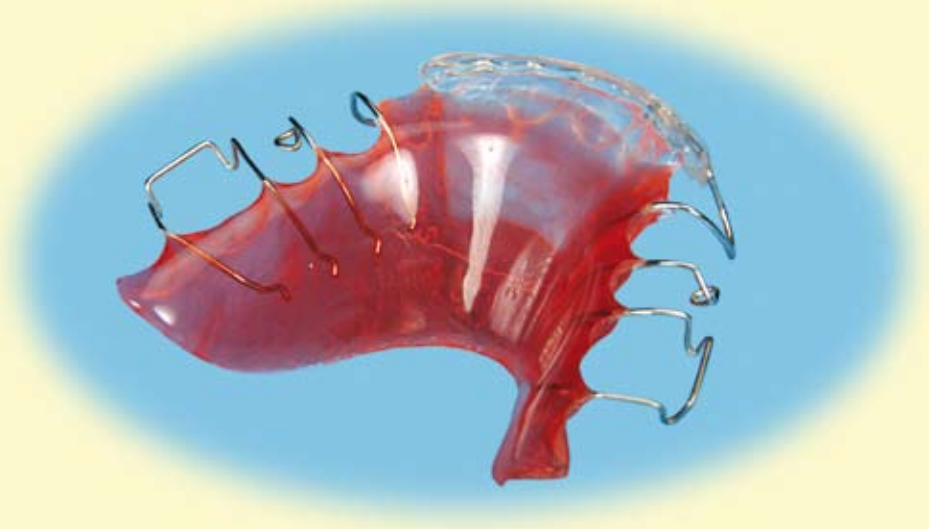
Occlusal view after completed treatment.

## Resin-silicone connection

- opens a new comprehensive indication range for the fabrication and modification of removable devices and appliances in orthodontic dental techniques.

### Indications:

-  **Intrusion**
-  **Extrusion** (with attachment)
-  **Protrusion**
-  **Retrusion**
-  **Rotation**
-  **Orthodontic appliances** parallel and dental alveolar movement of teeth within reduced treatment time



### Indication examples of the DKZ-System



Bionator with soft silicone occlusal appliance in the posterior area in case of slight overbite.



Upper thermoformed splint for moulding the front.



The distal movement is smoothly transferred to the molar by the silicone. Attachments are used to ensure fixation.



Maxillary plate for protrusion of the anterior teeth.



EOA parallel and dental alveolar movements of teeth.



Mandibular plate for protrusion and derotation of the anterior teeth.

# Preparing an adjusting appliance for protrusion of an anterior tooth



1 Prepare the resin base on the plaster model in the usual way.



2 Separate the misaligned tooth from the arch.



3 Use wax to position the separated segment as desired (slight overcorrection may be required).



4 Reduce and roughen the resin base for the integration of the silicone.



5 Brush up a thin coat of primer and allow to take effect for two minutes.



6 Apply the silicone from the double cartridge.



7 Polymerize in the pressure pot for 10 minutes at min. 45° C and a pressure of 2 bar.



8 Trim transition zones towards the resin base with a silicone bur.



9 Apply sealing varnish onto the finished silicone surfaces and let it dry at air for 6 hours.

## Multisil orthodontic assortment 1 Shore 40+60

- 2 Multisil-KFO cartridges each 50 ml in Shore hardness 40 and 60
  - 1 Multisil-Primer, 2.5 ml
  - 12 mixing cannulas, yellow
  - 1 Multisil sealing agent, 10 ml
- Order No. 540 0104 4

## Multisil orthodontic assortment 2 Shore 40

- 2 Multisil-KFO cartridges each 50 ml in Shore hardness 40
  - 1 Multisil-Primer 2.5 ml
  - 12 mixing cannulas, yellow
  - 1 Multisil sealing agent, 10 ml
- Order No. 540 0104 3

## Multisil orthodontic assortment 3 Shore 60

- 2 Multisil-KFO cartridges each 50 ml in Shore hardness 60
  - 1 Multisil-Primer 2.5 ml
  - 12 mixing cannulas, yellow
  - 1 Multisil sealing agent, 10 ml
- Order No. 540 0104 2



## Refill packages

1 Multisil-KFO 40 cartridge  
50 ml, Order No. 540 0105 0

1 Multisil-KFO 60 cartridge  
Order No. 540 0104 9

1 Multisil-Primer, 2.5 ml  
Order No. 520 0100 4

1 Multisil sealing agent, 10 ml  
Order No. 520 0100 5

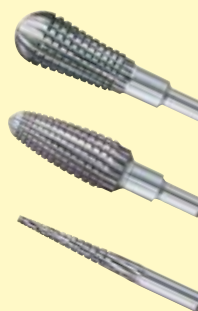
12 mixing cannulas, yellow  
Order No. 320 0045 1

## Accessories

**Silicone bur**  
1 piece  
Order No. S 237 QG 65

**Silicone bur**  
1 piece  
Order No. S 263 QG 60

**Silicone bur**  
1 piece  
Order No. S 187 QG 23



**Dispensing device**  
1 piece  
Order No. 320 0044 0

