



## How to fabricate a dreamTAP™ splint

The attractive enhancement of our successful TAP® concept

- // nickel-free CrCo alloy
- // customised
- // continuously variable
- // 15 mm protrusion adjustment thanks to replaceable hook
- // 10 mm lateral excursion
- // extremely stable
- // very comfortable to wear
- // many years of clinical experience



## List of recommended material:

| Designation                              | REF  |
|------------------------------------------|------|
| dreamTAP™ Kit                            | 9060 |
| Split-Fixator                            | 5380 |
| GEORGE GAUGE™ bite registration          | 5471 |
| GEORGE GAUGE™ bite fork, large (10 pcs.) | 5462 |
| Bite Fix® bite registration              | 5474 |
| Bite Fix® bite fork (10 pcs.)            | 5475 |
| SIL-KITT red or                          | 3442 |
| SIL-KITT clear                           | 3443 |
| ISOFOLAN®                                | 3207 |
| DURASOFT® seal magenta or                | 3337 |
| DURASOFT® seal clear or                  | 3338 |
| DURASOFT® seal blue                      | 3339 |
| DURASOFT® pd (thickness: 2.5 mm)         | 3387 |
| Diamond separating disc with mandrel     | 5288 |
| SD-Pipettes                              | 3703 |
| SD-Cyano Veneer Fast                     | 3701 |
| Blocking-out putty                       | 3220 |
| DURASPLINT® Kit                          | 3257 |
| Finishing set                            | 3378 |
| DIMO® coarse                             | 3382 |
| CETRON® cleansing powder                 | 3237 |
| SD-Box, blue                             | 5439 |

Please make sure the material as indicated above is available. Mount the models in Split-Fixator or articulator according to the bite registration (approx. 60% of maximum individual-rotrusion) using the GEORGE GAUGE™ bite registration set or optionally the Bite Fix® bite registration.

### Note:

Optimum adaptation and retention of dreamTAP® splints made of DURASOFT® 2.5 mm are very important for a successful treatment and can only be guaranteed using positive pressure of at least 5.0 bar. These high forming forces can be achieved with the BIOSTAR® machines.

1



Mount the models in Split-Fixator (REF 5380) or articulator using the GEORGE GAUGE™ bite registration (REF 5471) and corresponding bite fork L (REF 5462) or optionally the Bite Fix® bite registration (5474).

**Note:**

In case jaw midlines should not be congruent, make sure to align insertion of the dreamTAP™ components in accordance with the upper jaw midline.

2



In order to prevent teeth from breaking-off and to facilitate insertion and removal of the dreamTAP® splint, make sure to block-out strong undercuts SIL-KITT red (REF 3442).

3



Thermoform ISOFOLAN® foil over the models following the instructions and reduce foil to model bottom using SD foil scissors A (REF 3460) or B (REF 3461).

4



In order to avoid air inclusions during the following pressure moulding make some interdental and occlusal incisions in the ISOFOLAN® foil.

**Note:** Leave the foil on the model for further pressure moulding procedures.

5



Embed the models in the pellets, covering them by the pellet cover (REF 3006) in order to prevent pellets from sticking to the DURASOFT® seal foil.

**Note:**

Steps 6,7,8 and 9 are optional. DURASOFT® seal foil ensures easier cleaning and care and minimises adhesion of dental calculus on the material.

6



Thermoform DURASOFT® seal clear (REF 3338), blue (REF 3339) or magenta (REF 3337) following the instructions.

7



In order to ensure optimum adaptation of DURASOFT® seal, make sure to press the foil against the pellets when lifting the looking ring.

8



Cut the DURASOFT® seal foil using the SD-Foil scissors up to model bottom and perforate the area beneath the interdental papilla with a scalpel.

These cuts ensure a better adaptation of the DURASOFT® pd material which will be pressure moulded in the next step.

**Note:**

At this stage, please make sure not to insert any cuts in the DURASOFT® seal in the area of the splint extension.

9



Thermoform DURASOFT® pd (REF 3387) over DURASOFT® seal following the instructions. Both foils will laminate, forming a perfect compound.

10



Reduce material only coarsely using a cutting bur (REF 3214).

11



Activate lower guiding device by a turn of the hexagon socket screw behind the front plate opening.

**Note:**

We recommend a preliminary activation of 1 mm of the lower guiding device.

12



Apply sticky wax to threaded spindle and opening in the front plate of the lower guiding device in order to prevent resin from entering these components. Remove and smooth excess wax above the spindle with a scalpel.

**Note:**

We recommend using SUPRADENT® sticky wax because it does not contain paraffin and does not discolour the resin.

13



Adapt guiding wire (1.2 mm) carefully with Aderer pliers to upper arch.

14



Sandblast lower guiding device and apply metal primer (for example Metal Primer Z from GC). Fix lower guiding device using blocking-out putty.

15



Align hook according to the centre of upper jaw and avoid touching the front teeth.

16



Fix lower guiding device using resin.

17



Remove blocking-out putty and reinforce splint completely applying a thin layer of DURASPLINT®.

18



Thread guiding wire into the hook and fix it to the upper premolar region using blocking-out putty. Apply metal primer also to guiding wire and power distribution wire.

19



Determine entry/exit point and mark it correspondingly in the region of upper tooth 2 (right or left side).

20



Flatten wire carefully at the marked point in accordance to hook width. Make sure not to cover this point with resin!

21



Push silicone protective tube on the wire. Shorten tube depending on desired mobility.

22



Adjust thinner power distribution wire (0.8 mm) and secure it also using blocking-out putty.

23



Fix both wires applying DURASPLINT® resin.

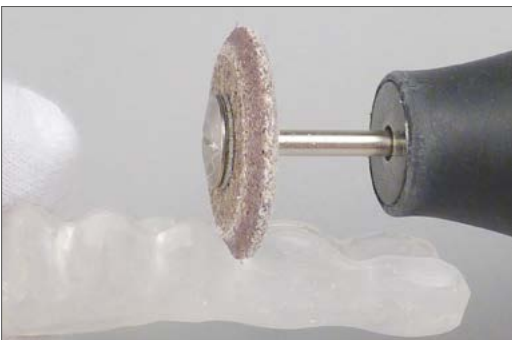
24



Remove left half of protective tube and separate upper and lower jaws. Reinforce upper splint as well applying a thin layer of DURASPLINT® resin.

Finish both splints conventionally.

25



Finish the rims of the splint in accordance with the dental arc form using POLYFIX disc (REF 3371) which has been trimmed by a dressing stone.

**Note:**

Make sure to begin finishing the soft material and then follow with the hard material; this prevents unravelling.



Finished dreamTAP™.

## Hook exchange in dreamTAP™ adjustment:

1



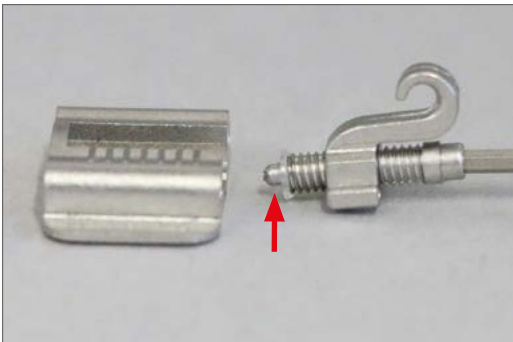
In order to remove both screws from the front plate loose them using enclosed Allen key.

2



Remove threaded spindle from guide using the activation key.

3



Carefully remove the transparent plastic bush on the end of the threaded spindle.

4



The hook can now be removed by rotating it from the spindle for replacement.

5



Assemble in reverse order using a different hook.

6



The different hooks (left to right): short, medium and long.

