STABILOK DENTINE PINS
Instructions for Use

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Intended Use

Stabilok Dentine Pins are an effective and economical way to provide extra mechanical retention for restorations in both anterior and posterior teeth.

Once in place in the tooth, they can be reduced in length and / or bent into the desired position.

A major advantage of Stabilok Dentine Pins is that the pin is securely held in a contra-angle shank until it is ready to automatically shear off in the tooth at the correct depth.

Symbols

The following symbols are used:

 Manufacturer

 EU Authorised Representative

 Single Use Only (Dentine Pin)

 LOT number

 Warnings & Cautions

 Caution: Federal (USA) law restricts this device to sale on or by the order of a licensed healthcare professional

 Distributor

Warnings & Cautions

- The drill and pins should only be used at 2,000-5,000rpm
- The dentine pins are single-use only
- Ensure the pins are disinfected in accordance with the instructions
- Ensure the drills are cleaned & sterilised before use and between uses in accordance with the instructions
- Ensure the correct drill size is used for the pins
- Use smallest size pin possible to reduce the risk of crazing
- The drills can re-used a maximum of 20 times. Re-use more than this can cause the drill to become blunt and less effective
- Do not attempt to shorten the pin before it is placed in the tooth because doing so would damage or remove the tapered tip which allows self-threading

Preparation of the tooth:

The tooth that requires placement of a Stabilok Dentine Pin should be cleared of all caries and dried with an air syringe. In general, a separate Stabilok Pin will be required for each cusp missing. A pre-operative radiograph may be useful in identifying the position and size of the pulp.

Procedure for placing the Stabilok Pin:

Place a Stabilok Twist Drill in a contra-angle hand-piece and latch it in place. With the motor running at a speed of about 2000 rpm drill a hole in the dentine using a single rapid in-out movement, taking care not to drill accidentally into the enamel or the pulp. The Stabilok Twist Drill has a self-limiting shoulder which prevents drilling too deeply.

Once the pin hole has been drilled, remove the twist drill from the hand-piece (the twist drill should be sterilized before it is used again).

Place a Stabilok Dentine Pin in the hand-piece and latch it in place. With the Pin rotating at about 2000 rpm, present the tip of the pin to the opening of the pre-drilled pin hole. The pin will then self-thread to the bottom of the pre-drilled hole and shear-off at the neck formed in the threaded portion.

Modifying the Pin:

Stabilok Dentine Pins can be modified by either shortening or bending.

Shortening

To shorten a pin, proceed as follows: Place a high speed diamond or carbide fissure bur in a turbine hand-piece. Position the hand-piece such that the bur is perpendicular to the Stabilok Dentine Pin and at a point corresponding to where the pin is to be cut. With the bur running, gently bring the bur into contact with the pin and allow it to cut through the pin from one side to the other. A gentle axial movement of the bur to and for will facilitate the operation.

Bending

Stabilok Pins can be bent once, after they have been placed in the tooth. An amalgam plugger can be used by applying it to the tip of the pin and gently bending the pin into the position required.

The pin should not be bent more than once because repeated bending will weaken the pin and may also weaken its retention in the pre-drilled hole.

Disinfection, Sterilization & Storage

Dentine Pins

Stabilok pins can be disinfected before use by placing them in a cold sterilization solution i.e. Milton Sterilising Fluid (2% w/w) for 10 minutes and then rinsing them with sterile water before use.

Dental Drills

Before first use:

Stabilok drills should be sterilized in an autoclave at 134°C for 3 mins.

After use:

Stabilok drills should have any debris, dentine etc., removed manually, and should then be rinsed and then sterilised in an autoclave at 134°C for 3 mins.

Note: The cleaning and sterilisation of the drills should be performed immediately after use where practical. Cleaning and sterilisation must be performed within 24 hours of use.

Refer to local sterilisation guidelines.

To minimise the potential for corrosion, ensure drills are dried prior to storage using an air blow dry and stored in the Stabilok original container in a dry, clean environment. The drills may be sterilised prior to use if required.

Disposal

After use, the shank from which the Stabilok pin has sheared off should be disposed of carefully in a sharps container.

After 20 uses, the dental drill should be disposed of carefully in a sharps container.