Easier, Faster, Safer, Stronger

The late Stuart Filhol founded Filhol Dental, which for more than 50 years has been recognised as a leader in pin and post technology. Stuart was credited with being first to identify the benefits of using pure titanium in the production of FILPIN retention pins and FILPOST customised root canal posts. He was also instrumental as an innovator in designing turned parts for the dental industry. Since Stuart's unexpected passing last year his wife, Sarah, filled his position as managing director and with her team continues to build on the excellent reputation created by her husband.

Filhol Dental is a company prized by its customers for its ability to work with difficult or challenging materials and finishes. The finer manufacturing work was moved in 1970 to Southern Ireland, from Warwick, to focus on the production of its patented parapulpal dentine pins originally made from stainless steel. Following Stuart's research into finding the best materials he became the first manufacturer of dentine pins to use pure titanium. Pure titanium is recommended as the most biocompatible grade for the body implants, therefore, it was the best decision for use in the production of the Filhol products. This focus on dental solutions enabled Filhol to move from a manufacturer of components for other companies to a manufacturer of pin and post products in its own right and it is recognised as being one of the leaders in its field.

FILPIN has been in production since the 1980’s. The FILPIN dentine retention pin is design engineered to make placement easier, faster, safer and stronger. The shaft is 99.8 per cent pure titanium, biocompatible and compatible with all dental materials so will not corrode. The self-threading, self-aligning pin speeds and eases placement for self-threading first time, every time once optimum depth has been reached. After insertion FILPIN can be easily bent to suit the restoration without breaking it or the tooth. A unique thread design maximises retention strength without causing internal stresses that may lead to cracking or cresting. This patented pin has been used in the UK market for more than 50 years.

FILPIN enhances the retention of all types of restorations to dentine. If the tooth’s dentine is too soft or its depth inadequate, the company has developed the Filratch pin inserter to give greater tactile control and ease of placement. The Filratch is for use by hand and ideal for reaching difficult positions. The pin is inserted by a continuous forward and back turning of the plastic finger grip on the Filratch. This has a ratchet action and so threads the pin into the pre-drilled hole. When the pin reaches the bottom of the hole the pin shears at the break-off point, leaving half the thread anchored in the dentine and half the thread above the surface for restoration.

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A new ideal accessory, the FILPIN Pin Bender, has been developed to enhance the FILPIN restoration retention system. After inserting a pin it may be necessary to bend the protruding pin(s) to suit the restoration. It is engineered for precision and accuracy to protect against damage to the pin and tooth structure and creates uniform bends each time whilst minimising uneven pressures upon the pin and dentine.

The Filhol Dental slogan is “Easier, Faster, Safer, Stronger". A classic example of this ethic of restoration retention systems is the FILPOST. It is provided in two sizes, and can be more easily bent and adjusted to fit the specific length and shape of the patient’s root canal and provides little, if any, dentine removal to place, in a word, Customised.

The patented passive FILPOST, manufactured by Filhol Dental, is the perfect choice for all post requirements. It is also designed to be easier, faster and safer to place and provides maximum advantages without compromising safety, dentine integrity or retention. By using the biocompatible 99.8 per cent pure titanium FILPOST, the post may be customised to suit the canal without risking fracture thus providing easy insertion of multiple posts into converging canals and providing mechanical retention whilst minimising stress to the tooth structure. The retention is provided by a unique multi-cement interlock between the dentine and the post. The retention grooves in the canal are prepared with the FILPOST Universal Groover which has proportionally sized grooved edges, smaller and closer at the tip that become larger and wider as the diameter increases.

A further product marketed by Filhol Dental is the FILPOST Customizer, which is purpose-designed stainless steel pliers to make customising the pulp post faster, easier and more exacting to the requirements of the root canal. Additionally, the Customizer makes fast work in the placement of two FILPOSTs into a molar to ensure greater stability and anti-rotational security of crowns.

Filhol Dental, Better by Design restoration retention system.