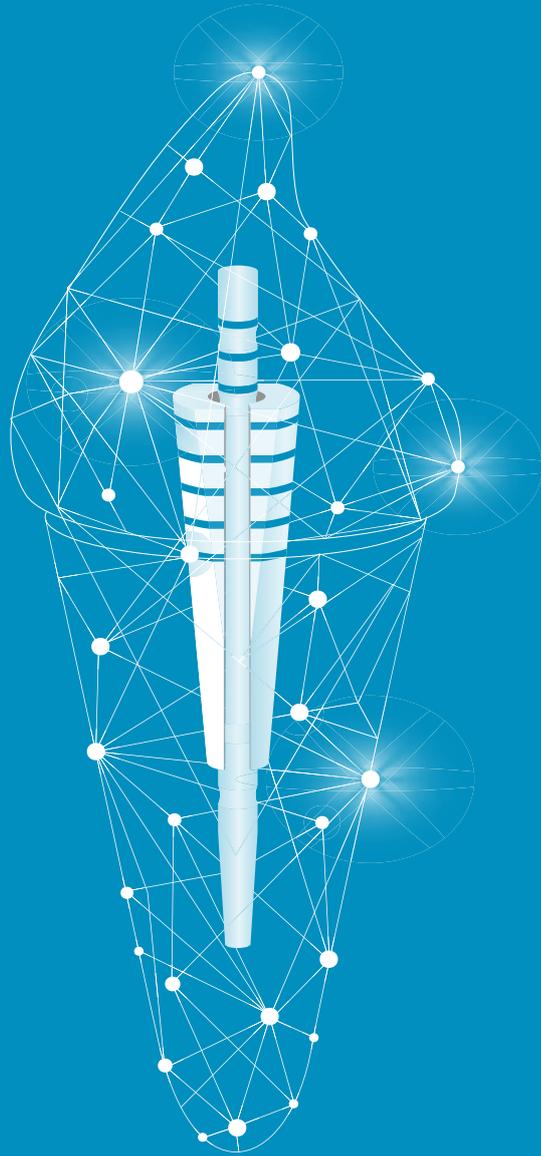


ANGELUS PRODUCTS

SPLENDOR - SAP

Single Adjustable Post



 angelus[®]

5

Reasons to use SPLENDOR - SAP

1

Universal

Single size for narrow,
medium and wide canals

2

Anatomical

Adjustable to the shape
of the canal

3

Increased retention

Mechanical interlock in addition
to the chemical bonding

4

Minimally invasive preparation

Does not require major
canal enlargements

5

Low risk of root fracture

Elastic modulus
close to dentin



New product

A single post for any situation!

SPLENDOR - SAP

Single fiberglass post system



Merely illustrative images.

INDICATION

- Core build-up for restorative procedures.



Universal



Anatomical



High retention

Definition

Angelus, a pioneer company and specialist in research, development and manufacture of fiberglass products for Dentistry, has launched a new generation of intra-canal posts.

The development of this new technology was the result of an in-depth study of current fiber posts techniques deficiencies and difficulties in their use by the dentist.

The first challenge was to reduce the drill and posts shapes and sizes current available offering a dynamic size that fits in different canals' morphology.

The second was to develop a system that fits properly to the cervical morphology, an area that normally presents more amplitude. The use of traditional posts results in a lack of adaptation in this area, which may cause post failure.

As a result, Angelus has developed a universal system called Splendor - SAP (Single Adjustable Post), consisting of only one drill, one post and one sleeve. This solves the first challenge by decreasing the inventory of various drill and post sizes. By adapting to narrow or medium-sized canals, filling the cervical area of the preparation with fibers, the second challenge was also solved.

Additionally, SPLENDOR - SAP allows the use in minimally invasive preparations, as well as provides greater mechanical interlock, increasing the interface between the post and canal walls in addition to the chemical bonding.

A single system for any situation!

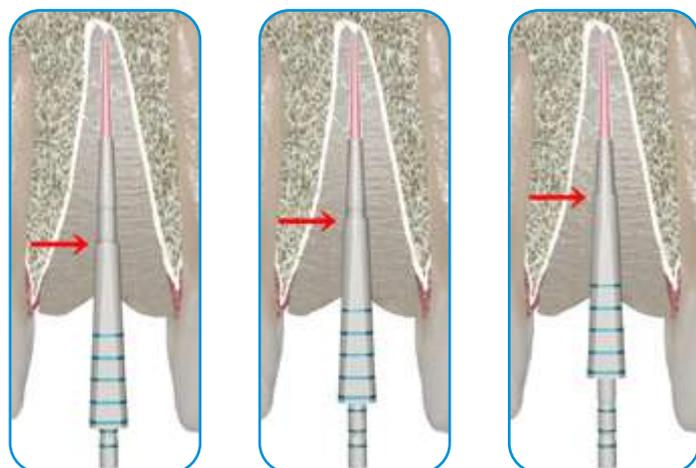
Composition

	COMPONENT	QUANTITY
POST AND SLEEVE	Fiberglass	80%
	Epoxy Resin	20%
BUR	Stainless Steel	100%

Key Features and Benefits

Universal

- A single system to use in different canal's morphologies: narrow, medium or wide;
- Simplify your inventory without various posts and drills.



Narrow

Medium

Wide

Increased retention

SPLENDOR-SAP's exclusive design enables **mechanical retention** of the sleeve within the canal. Positioning the sleeve with the post fills the canal, increasing the retention of the set, minimizing risks of displacement.

Anatomical

Adjustable to root canal

The system promotes great adaptation to the canal both in **diameter and in taper**.

Adaptable to cervical region

The sleeve promotes a greater amount of fibers in the cervical region, allowing a **smaller volume of cement** and, consequently, greater resistance and retention to the post.

Sleeve in oval shape

The sleeve shape adapts the oval anatomy of most root canals and **increasing the contact** between the post and canal walls.

Low risk of root fracture

The fiberglass composition of SPLENDOR - SAP provides an elastic modulus close to dentin, minimizing risks of root fracture.

Minimally invasive preparations

SPLENDOR - SAP can be used in canals with their original anatomical shape*, not requiring additional preparation.

*Except in cases of atresic canals (diameter smaller than 1.0mm).

Technical Data

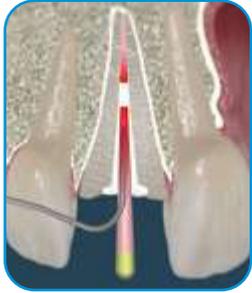
Radiopacity	5-7 mm Al
Flexural Strength	≥ 1200 MPa
Elastic Modulus	45 GPa
Sleeve taper	0.08 mm/mm

Measurements

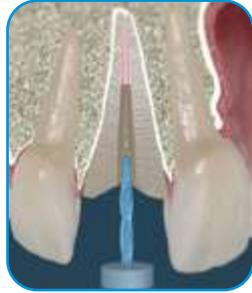
	Length Total (mm)	∅ Apex (mm)	∅ Body (mm)	∅ Top (mm)
Post	18.0	0.65	1.0	1.0
Sleeve	12.0	1.4	-	2.4

Technique Guide

Note: post space preparation and post bonding/cementation should be done with proper rubber dam isolation.



Remove obturation to the desired level.



Prepare the post space with Splendor bur.



Place the post in the canal.



Insert the sleeve onto the post and position it as tightly as possible with light pressure.



Cut the post and sleeve set at the defined length.



Remove the set, wipe them separately with alcohol and air jets



Prepare the post space according to the instructions remove of preferred cement.



Initially position the post in the canal and then the sleeve over it.



Proceed core build-up.

Clinical Case



Images provided by Prof. Dr. Rodrigo Albuquerque





What do the experts say?



"Displacing cement with a biocompatible and mechanically compatible material with superior properties is the goal, to improve the fracture resistance and survival rate of the overall restoration. This universal adjustable post-sleeve core offers the simplest, cost-effective option to achieve the cement displacement objective with the fewest number of parts and steps and also treat small canals with minimal removal of tooth structure".

Daniel H. Ward, DDS, FAGD, FAICD, Columbus, OH



"This post system is unique, addressing a clinical need that has not been well-addressed. There is one size, but multiple diameters within the Splendor SAP system, and with that, you can pretty much do most any post needed. The concept of a single post size that is adaptable to many canal sizes is efficient, and the reduction of inventory is also helpful. This one is going to work 95% of the time-with or without the sleeve. It is a simple product that resolves an issue in a rather unique manner; its adjustability makes it special".

Gary Radz, DDS, Denver, CO



"I used the provided drill each time and achieved an excellent fit with the post and sleeves. The Splendor SAP sleeve allows the wider flare of the cervical portion of the canal following Endo treatment to achieve a 'customized' fit in every case. I found that it works better than my previous post systems with more fiber post and less resin cement between it and the canal walls cervically where loading is concentrated under function".

Gregori Kurtzman, DDS, MAGD, FPFA, FACD, FADI, DICOI, DADIA, DIDIA, Silver Spring, MD



"Truly a "better mousetrap" product. There really hasn't been much progress in post development since the introduction of fiber posts, but Splendor - SAP is a game changer. Angelus has created the next generation of posts. When I reach for a post, it is the Splendor - SAP".

John Flucke, DDS, Lees Summit, MO



"The Splendor – SAP post is the easiest and most innovative way I've ever seen for restoring large or highly tapered root canals."

Mark L. Pitel, DMD, Associate Clinical Professor of Operative Dentistry, Columbia University College of Dental Medicine, New York, NY



"Using the Splendor SAP system, I was able to get a good fit even without using the drill, and even a better fit to the flared canal using the drill and the sliding conical sleeve."

Ronald D. Perry, DMD, MS Dept. of Comprehensive Care, Tufts, Univ. Boston, MA



Simplified!

Customer Service
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