Refills GF Posts & Precision Drills

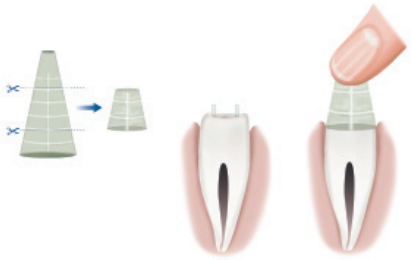
Fiberglass posts with high strength and reliability

Description and content	Ø	REF	Symbols
Refills Polydentia GF Posts:			
Polydentia GF Posts, 10 pcs.	1.1 mm	5281	
Polydentia GF Posts, 10 pcs.	1.3 mm	5293	
Polydentia GF Posts, 10 pcs.	1.5 mm	5295	
Polydentia GF Posts, 10 pcs.	1.7 mm	5297	

Description and content	Ø	REF	Symbols
Refills Precision Drills:			
Precision drill, 1 pc.	1.1 mm	5282	
Precision drill, 1 pc.	1.3 mm	5294	
Precision drill, 1 pc.	1.5 mm	5296	
Precision drill, 1 pc.	1.7 mm	5298	

Coremat

Multi-sized matrices for core build-up



ADVANTAGES AND DESCRIPTION

- Universal, multi-sized matrices
- For both anterior and posterior teeth
- Suitable for light-curing (transparent)
- Compatible with composites, glass ionomers, pattern acrylic or softened wax

Description and content	REF
Coremat, 50 pcs.	5290

Order form Polydentia products:

Item description:	REF	Qty
Polydentia GF Posts & Precision Drills Introkit	5280	

SWISS QUALITY

Address and signature:

My dealer is:

POLYDENTIA SA
Swiss Products for Fine Dentistry

Made in Switzerland by Polydentia SA
6805 Mezzovico-Vira • Switzerland

Phone +41 (0)91 946 29 48 • **Fax** +41 (0)91 946 32 03
Web www.polydentia.com • **E-mail** info@polydentia.com

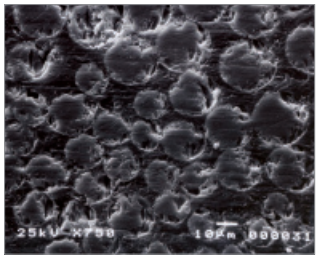
Send your order by fax to:
+41 91 946 32 03

or by e-mail to:
sales@polydentia.com

REV. 01.04.2014

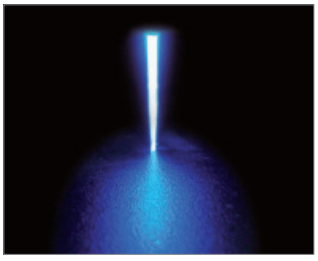
GF Posts & Precision Drills

Fiberglass posts with high strength and reliability



SEM image of sectioned Polydentia GF Posts. Glass fibers are well distributed and with a high density (80% of total surface section).

Image by Laboratory of Biophysics, University of Lille - France



Polydentia GF Posts
Translucent, optimal light transmission

Clinical pictures by courtesy of Dr. G. Derchi - La Spezia, Italy

Image 1
Initial

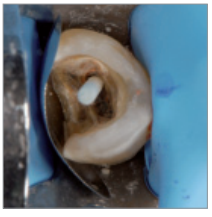


Image 2
Clinical application

Image 3
Final

ADVANTAGES

- Biocompatible
- An alternative to metal posts
- Excellent and strong adhesion to composites
- For highest aesthetic results
- Easy to remove in case of revision

DESCRIPTION

Polydentia GF Posts consist of a large number of unidirectional, individual fiberglasses (diameter: 20 µm), embedded in a polyester resin matrix - a material especially appreciated for its allergy safety. The parallel, longitudinal fibers reinforce the post's structure and enhance its flexibility. The white, opaque color of Polydentia GF Posts ensures excellent aesthetic results, without undesirable coloring in the cervical area of the tooth. If endodontic retreatment becomes necessary, the post can be easily removed by drilling. The clinical relevant product properties are the following:

Endo-Design: parallel shape with tapered end for optimal adaptatation to the anatomy of the root.

Complete range of sizes: the introkit contains a complete size offer, covering all possible posterior and anterior treatments. The full length is 20 mm (.78").

Composition: uniform distribution and high density of glassfibers (80% of total surface).

Radiopacity: tests based on ISO 4049 showed a result of 150% Al.

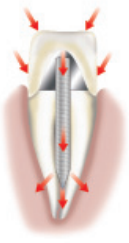
Translucency: high light transmission into the root canal.

Elasticity: no stress concentrations in dentine or root fractures due to a elasticity modulus of 42 GPa.

Mechanical properties: increased stability of the post-and-core restorations due to the high flexural strength (1500 MPa) and high mechanical resistance to compression (650 MPa).

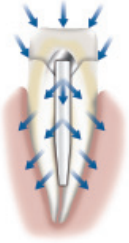
Retention: active surface of the post, for optimal micro-mechanical adhesion, providing an excellent and strong adhesion to the core composite.

Healthy tooth



Restoration with metal post

Apical concentration



Restoration with glass fiber post

Homogeneous distribution

Description and content	REF
Polydentia GF Posts & Precision Drills Introkit	5280
20 Assorted Posts, 5 each (ø 1.1 mm, 1.3 mm, 1.5 mm, 1.7 mm) + 4 Matching Precision Drills	

Description and content	REF
Polydentia GF Posts & Precision Drills Other Assortments	
15 Assorted Posts, 5 each (ø 1.3 mm, 1.5 mm, 1.7 mm) + 3 Matching Precision Drills	5292
15 Assorted Posts, 5 each (ø 1.1 mm, 1.3 mm, 1.5 mm) + 3 Matching Precision Drills	5285
Polydentia GF Posts Other Assortments	
15 Assorted Posts, 5 each (ø 1.3 mm, 1.5 mm, 1.7 mm)	5291
15 Assorted Posts, 5 each (ø 1.1 mm, 1.3 mm, 1.5 mm)	5283