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CYTEC

Root Post System

CYTEC is designed for roots that are more cylindrical in shape.

High bending strength
Achieved through the use of high tenacity HT Glassfiber, which bonds perfectly with the matrix.
HT Glassfiber: 1.678 MPa
Determined accordingly to EN ISO 178

High fatigue and fracture resistance

Homogeneity due to dentin-like modulus of elasticity

High radiopacity

Secure adhesion due to micro-retentive surface
The preformed surface roughness enhances the adhesion of the root post to the adhesive system, the composite. The additional applied mesh-like retentions optimize this adhesion.

With CYTEC eco,
the particularly careful application of the adhesive system is essential, as CYTEC eco does not have the mesh-like retentions.

Scientifically tested and proven in practice since 2001.
For further information please see our brochure »Exatec+Cytec+Contec« or visit our website www.hahnenkratt.com

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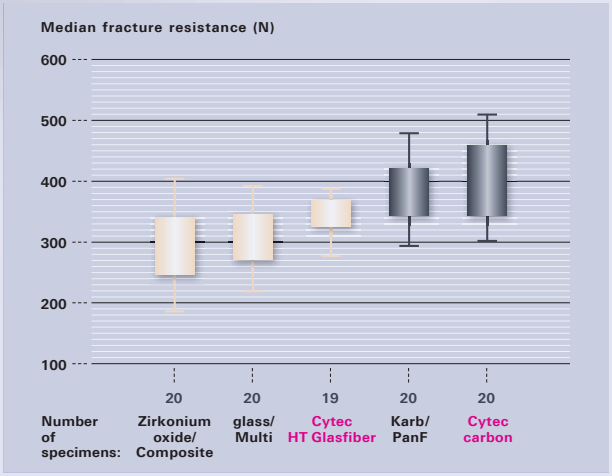
The utmost fatigue and fracture resistance

As our HT Glasfiber exhibits high bending strength they are very highly fatigue and fracture resistant. This was proven by the results of comparative scientific studies carried out in-vitro.[1]

During another study, CYTEC specimen attained an even higher fracture resistance value of 509 N (mean), and this, despite the fact that, where the composite tooth transition is concerned, the starting specimen only exhibited a »Perfect Margin before TCML« value of 72%. This value of 509 N was determined after simulating a period of 5 years in situ (TCML 6000 x 5°C/55°C, each 2 min, $1.2*10^6$ x 50 N). In addition, a porcelain crown was fitted to these specimen (ferrule effect).[2]

In comparison: Scientific studies indicate masticatory loading values of 30–80 N for premolars and canines and 150–250 N for incisors.



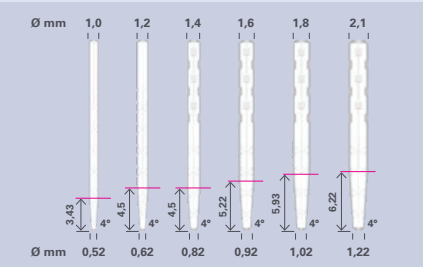
Root posts made out of Glassfiber:
Highest fracture resistance for Cytec: 348.8 N (mean value)

Results of a scientific study performed by the Charitè Berlin.[1]

(1) Dr. med. dent. Katrin Babenhauserheide Untersuchungen zur mechanischen Belastbarkeit und zum Verlauf der Bruchflächen verschiedener Stiftstrumpfaufbausysteme nach künstlicher Alterung. Ergebnisse einer In-vitro-Studie unter standardisierten Bedingungen – Inauguraldissertation zur Erlangung der zahnmedizinischen Doktorwürde der Charité-Universitätsmedizin Berlin, 02.04.2004

(2) Martin Rosentritt (Dipl. Ing. (FH)
Fracture Strength of Fiber-reinforced and All-ceramic Post and Core Anterior Restorations
Universität Regensburg 03/2003

CYTEC



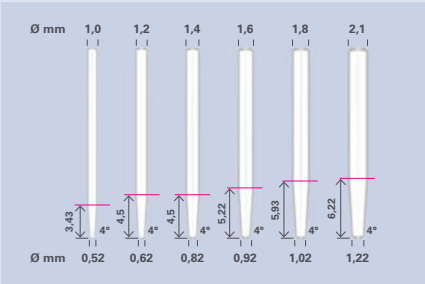
REF 43 600

Refill Pack

*The Standard Sets and Test Sets are shipped in a SHIPPING BOX. Posts and Drills each in blister packs. Please see the price list for the contents.

CYTEC Root Post System			universal	1,0 mm	1,2 mm	1,4 mm	1,6 mm	1,8 mm	2,1 mm
		Code	–	red	white	yellow	green	blue	black
Instruments		**pack.of**	**REF**						
	Preshaping Drill with guiding tip	1	42 010						
	Preshaping Drill with cutting tip	1	43 000						
	Calibration Drill	1		4300 D10	43 001	43 002	4300 D16	43 003	43 004
CYTEC	Standard Set	assort.	43 600*						
	Test Set	assort.	43 610*						
	ChangeOverSet Kit with 1 Drill per REF	assort.	43 600COS						
	HT–Glassfiber	5		43 60D10C5	43 601C5	43 602C5	43 60D16C5	43 603C5	43 604C5
	HT–Glassfiber	10		43 60D10	43 601	43 602	43 60D16	43 603	43 604
System Box, empty		1	10 001						

CYTEC eco



REF 43 600

REF 10 001 (empty)

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CYTEC eco	Standard Set	assort.	43 700*						
	Test Set	assort.	43 710*						
	ChangeOverSet Kit with 1 Drill per REF	assort.	43 700COS						
	HT–Glassfiber	5		43 70D10	43 701	43 702	43 70D16	43 703	43 704
System Box, empty		1	10 001						