

EXATEC

Root Post System

EXATEC posts are designed for teeth with significant coronal destruction.

High bending strength

Achieved through the use of high tenacity HT Glassfiber, which bonds perfectly with the matrix.
HT Glassfiber: 1.400 MPa
Determined accordingly to EN ISO 178

High fatigue and fracture resistance

Homogeneity due to dentin-like elastic modulus

Secure adhesion due to micro-retentive surface

High radiopacity

EXATEC calibration drills

With their integrated countersink, they are precisely matched to the root posts. All calibration drills are manufactured with an optimized cutting geometry, enabling efficient work.

For further information please see our brochure »EXATEC+CYTEC+CONTEC« or visit our website www.hahnenkratt.com

Homogeneity due to dentine-like E-Modulus

According to Professor Dr. Wintermantel from the faculty for »Biocompatible Materials and Building Techniques« of the University of Zurich, Switzerland, the following applies to a load-bearing implant: »Its homoelasticity is an important requirement for the structural compatibility of a load-bearing implant. This refers to the elastic deformation behaviour of an implant approaching that of the recipient tissue.« This also applies to root posts.

Our HT-Glassfiber material exhibit a modulus of elasticity resembling that of dentine. This approaches the required homoelasticity.

A core which is as homogeneous as possible reduces the risk of the root fracturing and promotes the stability of the post and core.

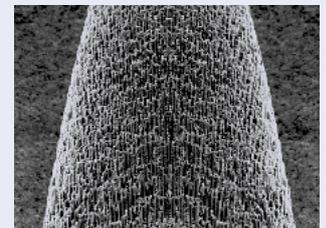


Elasticity in comparison

Elasticity in comparison	35,0 GPa (according to DIN 53 390)
Dentine	≈18,6 GPa
Titanium	117,0 GPa
Zirconium	190,0 GPa



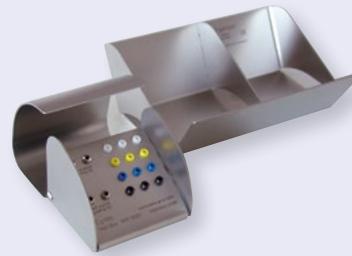
Bionics offers indications for the technical way of designing biological systems. Even the fibre reinforced composite technique originates from biological structures.





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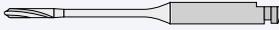
*The Standard Sets and Test Sets are shipped in a SHIPPING BOX. Posts and Drills each in blister packs.



REF 10003 + 10000



Refill Pack

EXATEC Root Post System		Post head-Ø apik. length apic. Stift Ø ▲ apic. Stift Ø ▼ mm	universal	2,6 6,6 1,461 0,98 mm	2,7 8,0 1,559 0,98 mm	2,8 9,7 1,681 0,98 mm	2,2 - - 0,98 mm
		Code	-	white	yellow	blue	green
Instruments		Content	REF				
	Pilot Drill with guiding tip	1	42010				
	Pilot Drill with cutting tip	1	43000				
	EXATEC Pilot Drill with cutting tip	1	42100				
	Calibration Drill	1		42001	42002	42003	
	Calibration Drill	1					42005
EXATEC							
Standard Set	2 Pilot Drill univ. 4 Calibration Drill 4x5 Root Posts	1	42600*				
	Root Post	5		42611C5	42612C5	42613C5	
	Root Post	10		42611	42612	42613	
	Root Post	10					42615
System Box + Organizer, empty		1	10003 + 10100				