UniCore™

UniCore Drills

Size	mm	1pk	10pk
0	0.6 mm	7134	—
1	0.8 mm	7121	4091
2	1.0 mm	7122	4092
3	1.2 mm	7123	4093
4	1.5 mm	7124	—

UniCore Posts

Size	mm	5pk	25pk
0	0.6 mm	7135	—
1	0.8 mm	7125	4096
2	1.0 mm	7126	4097
3	1.2 mm	7127	—
4	1.5 mm	7128	—

7120 - UniCore Kit "Kit of Kits"
1 x Each drill sizes 1, 2, 3, and 4
5 x Each posts sizes 1, 2, 3, and 4

7132 - UniCore Starter Kit
1 x Each drill sizes 1 and 2
5 x Each posts sizes 1 and 2

7133 - UniCore Size 0 Supplement Kit
1 x Drill size 0

Smallest bondable post made

7129 - UniCore Accessory Posts *10pk*
0.4 mm Posts size X

Additional products available from Ultradent

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ULTRADENT

SIMPLIFYING ENDODONTICS

ULTRADENT

UniCore™

Post and Drill System

True to the Core

The UniCore Post and Drill system provides superior strength and esthetic results. Packaged in color-coded, spill-proof modules, the UniCore system features radiopaque, high-strength fiber posts that are perfectly matched to multifunctional drills.

- UniCore™ Drills
- UniCore™ Posts
- UniCore™ Accessory Posts

2018 REALITY Four Star Award ★★★★

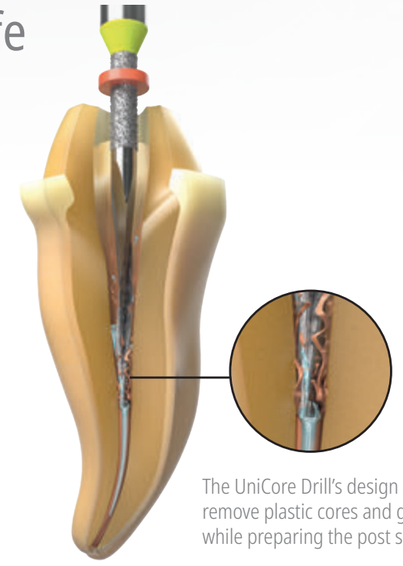
UniCore™ DRILLS

UniCore™ Drill

The UniCore Drill is unique in its ability to perform post preparations as well as remove obturations. The UniCore Drill features a patented heat-generating tip, which facilitates the removal of fiber posts, rigid carriers, and traditional gutta percha. The drill's heat-dissipating, diamond-coated collar minimizes heat buildup during preparation, and its specially designed flutes cut canal walls laterally instead of vertically.

UniCore Drill Ultrasafe

- Durable drill can be used to up to 15 times to remove gutta percha during post preparation or rigid carrier removal, and up to 5 uses on preexisting fiber post removal
- Drills and posts are color coded according to size, simplifying chairside use
- Patented diamond-coated drill collar prevents binding in access openings
- Uniquely designed flutes ensure rapid and consistent removal of debris from the canal
- Heat-generating tip eases all obturator removal procedures



The UniCore Drill's design allows it to remove plastic cores and gutta percha while preparing the post space.

	Accessory Post	Size 0	Size 1	Size 2	Size 3	Size 4
Apical Ø	0.4 mm	0.6 mm	0.8 mm	1.0 mm	1.2 mm	1.5 mm
Coronal Ø	0.8 mm	1.0 mm	1.15 mm	1.35 mm	1.55 mm	1.75 mm
Taper	0.26°	2.1°	1.8°	1.8°	1.8°	1.3°
Length	16 mm	19 mm	19 mm	19 mm	19 mm	19 mm

Physical properties	UniCore quartz fiber post
Flexural modulus of elasticity (GPa)	43–44
Flexural strength (MPa)	1500–1600
Tensile strength (MPa)	1200
Modulus of elasticity at 30° (GPa)	13 (similar to dentin)
Interlaminate shear strength (MPa)	70–80

Note: UniCore Size 0 Drill is not appropriate for the removal of existing fiber post preparations.

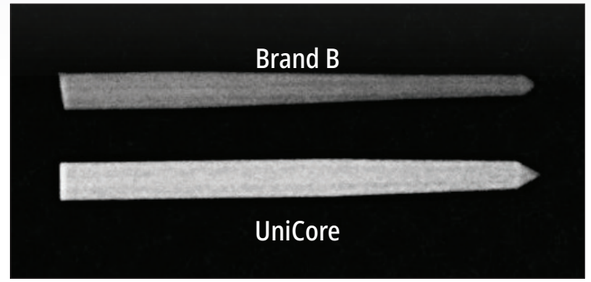
UniCore™ POSTS

UniCore™ Post

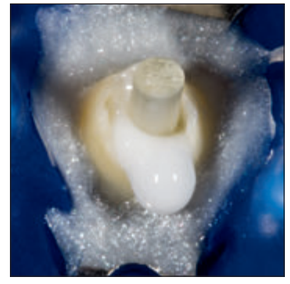
Composed of glass fibers, the translucent and radiopaque UniCore Post responds to compressive forces as dentin would, without compromising the durability of the restoration. The gentle taper of the UniCore Post corresponds to the natural anatomy of the tooth and perfectly matches the post space created by the UniCore Drill. The five sizes and colors of UniCore Posts correspond to those of the UniCore Drill.

UniCore Post Prestressed fibers; Bondable

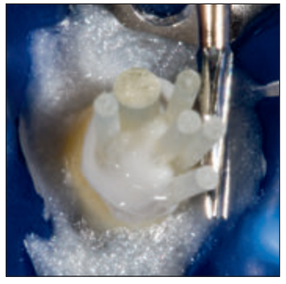
- Microporous surface ensures micromechanical retention
- No chairside chemical treatment required
- Radiopacity is beyond highest ISO standards
- Translucent post transmits light to the complete depth of preparation
- Gently tapered design follows natural tooth anatomy
- Can be removed if endodontic re-treatment is required



The UniCore Post is noticeably more radiopaque than a leading competitor.



UniCore master post in place.



Additional Accessory Posts can be used in cases of preexisting large spaces.

UniCore™ Accessory Post

Accessory Posts are placed alongside the master post to allow better adaptation in the case of flared or oval canals.

"The literature clearly describes the C-Factor conditions that can lead to substantial polymer stress buildup in root canals. It has been estimated that up to 54% of the dentin bond interface can separate, resulting in gap formation and subsequent early failure of the endodontic post and core. When the area of the most coronal aspect of the root canal is over 25% larger than the diameter of the Master UniCore Fiber Post, it is prudent to insert the UniCore Accessory Posts alongside the Master Post to take up the core composite space/volume with longitudinal fiber. This technique is fast and effective. We at the Dugoni School of Dentistry have produced AADR/IADR studies that show the pushout strength increases when the core composite volume is decreased by displacing it with Accessory Fiber Posts. For just a few dollars more, the dentist can assure maximum robust adhesion to dentinal walls as well as create a more substantial core to prepare for the final crown. Flexural strength, anti rotation/pull-out resistance, and compressive strength are all enhanced with these great new UniCore Accessory Posts."

– Dr. Patrick L. Roetzer, DDS, FICD, FACD
University of the Pacific, Dugoni School of Dentistry–California, USA