



DF – Finishing Instruments



DF finishing instruments – an intelligent innovation for the dental office

So far, dental preparation technique has often required different instruments for each working step.

Now D+Z's advanced production technologies make it possible to produce tungsten carbide instruments with combined toothings for several working steps without changing the instrument.

Easy crown preparation

With only one DF combination instrument you can shape and finish the crown core.

... two in one!

The fine diamond toothing (DF) on the lateral surface of the instrument is suited for simultaneous working on enamel and dentin. This toothing produces an even surface with a defined roughness of approx. 5–8 μm for better cement retention.

The finishing toothing at the tip produces a smooth surface at the crown margin (roughness approx. 2 μm). The perfect marginal seal is the basis for a clinically safe and durable restoration.

These unique products offer advantages which will pay off in every dental office:

- **multifunctional use**
→ Two different toothings on one bur head combine the high functionality of abrasive and finishing blade designs.
- **shorter treatment times**
→ As no instrument change is necessary the treatment time is reduced considerably for patient and operator.
- **higher economy**
→ Quicker preparation and the fact that no second instrument is necessary save time and money.

Recommendations for use:

The DF combination instruments are used step by step at the respective speeds:

- Shaping at a speed of 120 000 – 160 000 min^{-1} .
- Finishing at a speed of 20 000 – 30 000 min^{-1} .

Use instrument with sufficient water cooling (at least 50ml/min).

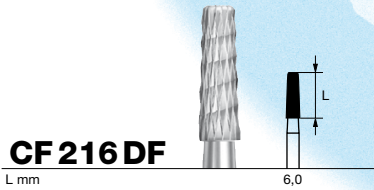




DF - Finishing Instruments



1 Preoperative situation

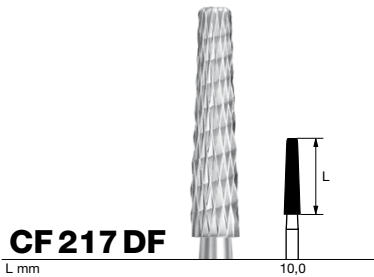


CF 216 DF

REF			CF 216 DF
ISO	500.314.XXX.XXX... 018		

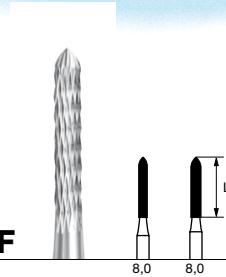


2 Determination of preparation depth with diamond instrument 824



CF 217 DF

REF			CF 217 DF
ISO	500.314.XXX.XXX... 021		



CF 283 DF

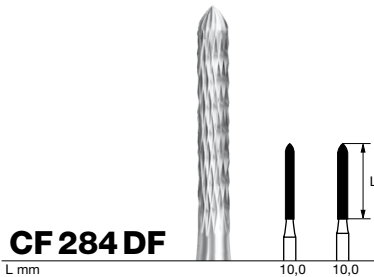
REF			CF 283 DF
ISO	500.314.XXX.XXX... 012 014		



3 Removal of the old filling with amalgam remover CB21 RMX

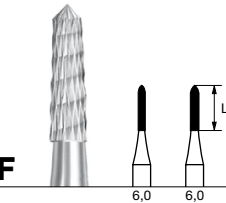


4 Bulk reduction with diamond instrument 846 KR



CF 284 DF

REF			CF 284 DF
ISO	500.314.XXX.XXX... 012 014		

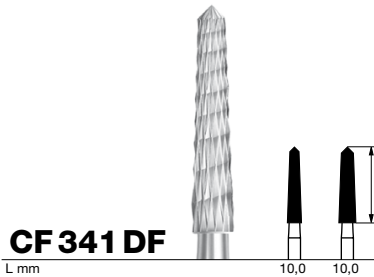


CF 340 DF

REF			CF 340 DF
ISO	500.314.XXX.XXX... 016 020		

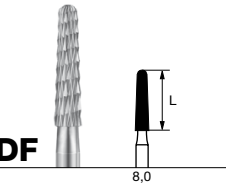


5 Shaping the crown core and subsequent finishing with the combination instrument CF341DF



CF 341 DF

REF			CF 341 DF
ISO	500.314.XXX.XXX... 018 023		



CF 375 RDF

REF			CF 375 RDF
ISO	500.314.XXX.XXX... 018		



6 Preparation completed

Drendel + Zweiling
DIAMANT GmbH
Schürenbreder Weg 27
32689 Kalletal · Germany

fon: +49 (0) 5264 6579280
fax: +49 (0) 5264 6579284
info@drendel.com
www.drendel.com