

DIATECH Crown preparation kit

by Prof. Brian Millar

Features

An excellent marginal fit is key to restoration longevity and success. Excellent fit requires good marginal preparation. Restorations fail at the margins more than anywhere else, leading to adhesive failure of the bond or cement wash-out, leakage and pulp symptoms. This kit provides a comprehensive selection of burs that are needed for crown preparations.



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	ISO 806 314 048 524 022		ISO 806 314 048 524 026		ISO 806 314 048 524 030		ISO 806 314 199 524 014		ISO 806 314 200 524 018		ISO 806 314 198 524 014
Head shape	828		828		828		850		850L		856
ISO Ø 1/10 mm	022		026		030		014		018		014
Head L in mm	1		1		1		10		12		8
Grit size	ML		ML		ML		ML		ML		ML

	ISO 806 314 198 524 021		ISO 806 314 465 524 021		ISO 806 314 150 524 014		ISO 806 314 277 524 023		ISO 806 314 277 514 023		ISO 806 314 247 514 014
Head shape	856		392		839		379		379		869
ISO Ø 1/10 mm	021		021		014		023		023		014
Head L in mm	9		10				5		5		5
Grit size	ML		ML		ML		ML		F		F

End cutting burs in restoration

A bur that is rarely used but really makes a clinical difference is the end cutter (839). What does it do? Quite simply, it only cuts on the end of the cylinder so is really useful for finishing margins, the most important part of the preparation.

Further information

Learn more about Prof. Brian Millar's Crown preparation technique on the COLTENE Youtube channel or just scan the QR code.



DIATECH

ROTARY INSTRUMENTS

Product description



G828-314-022-1-ML (200798AA)

The 0.3 mm depth cutting bur is used to make surface depth grooves to guide accurate tooth reduction during preparation for minimal thickness ceramic veneers.



G856-314-021-9-ML (200453AA)

The tip diameter of this bur is approx. 1.1 – 1.2 mm and is suitable for crown preparation for ceramic margins and all-ceramic crowns.



G828-314-026-1-ML (200799AA)

828-026 is a 0.5 mm depth cutting bur used to make surface depth grooves to guide accurate tooth reduction during preparation for veneers and crowns.



G392-314-021-10-ML (200056AA)

392-021 is used for initial interproximal reduction where space is limit. It can also be used for removal of interproximal ledges and marginal excess of restorative materials.



G828-314-030-1-ML (200797AA)

This 0.7 mm depth cutting bur is used to make surface depth grooves to guide accurate tooth reduction during preparation for deep ceramic veneers and crowns.



G839-314-014-ML (200282AA)

The end cutting bur with safe sides for marginal finishing is used to remove any enamel rim which is often created by the use of round ended crown preparation burs.



G850-314-014-10-ML (200374AA)

This bur has a tip diameter of approx. 0.9 – 1.0 mm. So placing the tip to one third of its depth provides a suitable narrow chamfer for metal margins. The taper is suitable for crown and veneer preparation.



G379-314-023-5-ML (200038AA)

This egg shaped bur is designed for palatal and occlusal contouring during tooth preparation for crowns and bridges.



G850L-314-018-12-ML (200388AA)

The tip diameter of this bur is approx. 1.1 – 1.2 mm with a taper suited to crown preparation. A longer bur is often required for upper anterior teeth or overerupted posterior teeth.



G379-314-023-5-F (200037AA)

This bur is designed for finishing palatal and occlusal contours, and tooth preparation for minimally invasive resin-bonded bridges. It can also be useful for finishing composite restorations on occlusal and palatal surfaces.



G856-314-014-8-ML (200435AA)

856-014 has a tip diameter of approx. 0.8 – 0.9 mm for crown preparation particularly for ceramic crowns and ceramic veneers.



G860-314-014-5-F (200530AA)

The fine flame is used for finishing all surface contours and can also be useful for finishing composite restorations.