Intensiv Universal Prep Set

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Veneers, partial crowns, inlays/overlays, adhesive bridges, crowns and bridges

The spectrum of reconstructive dentistry is today more versatile than ever, as both requirements for minimal invasiveness as well as high aesthetics and stability of the reconstruction must be fulfilled.
Preparation with veneers, overlays (tabletops) and adhesive bridges, which aim at minimal tooth substance removal and are merely defect-oriented, are often used today where formerly conventional crowns and bridges were used. Through the adhesion to the tooth substance, modified requirements are now placed on the preparation.
In addition, a great variety of dental materials and manufacturing techniques are used at present. Full ceramic and metal-ceramic restorations can be used equally for almost all indications. Numerous stable ceramics have been developed in recent years, whose dental processing has been facilitated by new CAD/CAM technologies.

Methods for optical impression, and therefore to digitize tooth stumps, are increasingly being used instead of classic impressions commonly applied in dental surgeries. All these computer-based technologies lead to the need for new approaches in the teeth preparation.
A modern instrument set for preparation must meet all these requirements, be universally applicable and still be clear and well-structured. With this well-structured, rational set of instruments, various preparations for minimally invasive reconstruction, conventional crowns and bridges, for full ceramic and metal-ceramic, can be made.

Product description

- The diameter of preparation burs and associated finishing instruments are ideally coordinated so that all prepared surfaces can be easily smoothed.
- With the 90µm grit size of the burs, it is possible to efficiently and gently remove tooth material (no trauma to the pulp). The rounded shape of the shoulder preparation diamond instrument ensures that both instruments can be easily guided between the buccal and interdental gingival line, even with large differences in level.
- Also different abutment lengths can be easily treated with the 10mm long working length.
- By selecting this comprehensive set with 11 diamond instruments, the user is guided through the individual steps and can achieve constant and long lasting preparation results.
- Diamond-coating: the burs used for abutment reduction have a uniform diamond coating of 90µm.
- The matching finishing diamonds have a grit of 40µm.

Indications

- Veneer preparation
- Crown preparation
- Full ceramic reconstructions
- Reconstructions with zirconium oxide ceramic
- Optical impression and CAD/CAM
- Minimal-invasive to conventional preparation technique

Benefits

- Minimal-invasive preparation
- Stability of reconstruction
- Usage for all types of modern reconstructions
- Simple and step by step working

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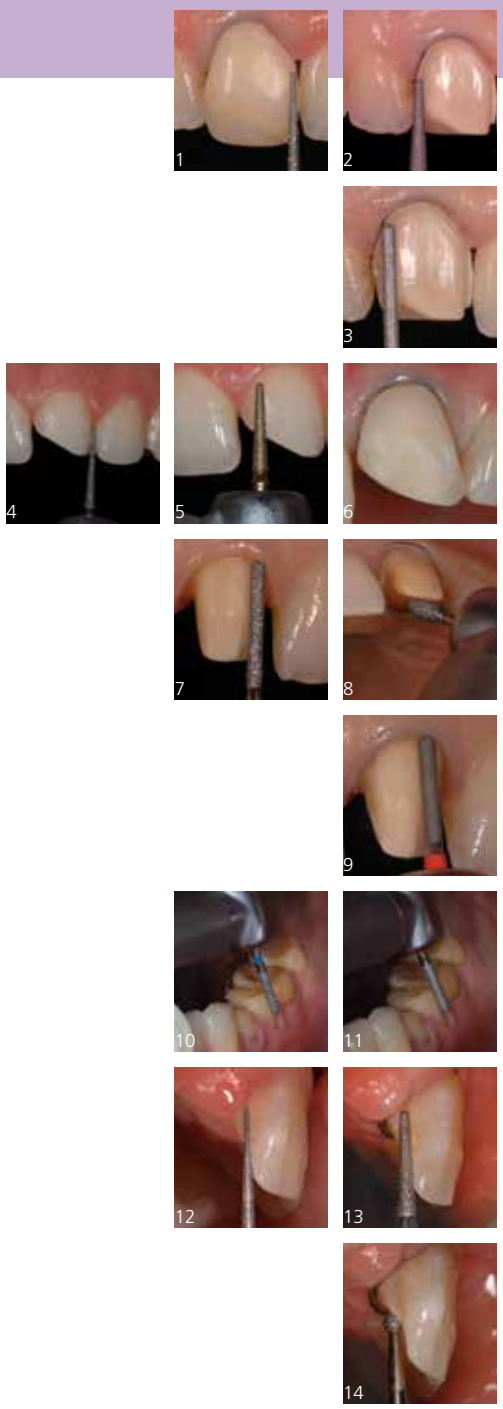
New



Clinical pictures:
Zentrum für Zahnmedizin ZZM Zürich

Classic veneer
1) Before preparation, an ultra-fine retraction thread was placed in the sulcus to protect the gingival margin. Interdental preparation with separation instrument FG D3 2) Axial reduction with veneer preparation instrument FG D18 GB, 0.5mm wide shoulder preparation 3) Finishing of surface with narrow shoulder finishing instrument FG 307A

Additional veneer (purely defect-oriented preparation)
4) Interdental defect-oriented preparation with separation instrument FG D3 5) Axial defect-oriented reduction with veneer preparation instrument FG D18 GB, tapering edge 6) Veneer detail

Full crown preparation
7) Shoulder preparation on tooth 21: placing of an ultra thin thread, interdental separation with separation instrument FG D3, 1mm wide circular internally rounded shoulder preparation with shoulder instrument FG 305L. The preparation set includes a narrow shoulder preparation instrument FG 307A for narrow tooth abutments and tight spaces 8) Palatal concavity with front-side rounded football instrument FG 250 9) Finishing of the shoulder and axial walls: the stump is smoothed with the newly developed - analogous to the dimensions of the preparation instrument - cylindrical finishing instrument FG 4307N (wide) or FG 4305L (narrow)

Partial crown, overlay (tabletop) preparation
10) Defect-oriented overlay (tabletop) preparation on a patient with dentition damaged by erosion and abrasion, rough preparation with preparation instrument FG 8526, occlusal preparation with football instrument FG 250 11) Finishing with appropriate finishing burs FG 4526 and FG 4250, posterior breaking of all sharp edges with Soflex discs clamped into the mandrel

Adhesive bridge preparation
12) Definition of a mesial and distal groove in the enamel in the desired direction of insertion, slightly palatal to the future contact point, with separation instrument FG D3 13) Expansion of groove in the enamel with conical veneer preparation instrument FG D18 GB, thereby fulfilling currently valid requirements for full ceramic and CAD/CAM production (apically rounded, 6° conicity, clear groove definition) 14) Preparation of a cingulum support in the enamel with ball instrument FG 201

Ref. 157							R: 0.28	R: 0.28				
ISO ø 1/10 mm	012	012	013	011	011	018	018	017	023	021	016	
L mm	11.0	10.0	10.0	10.0	10.0		8.0	8.0	5.0	5.0	8.0	
µm	80	90	40	90	40	90	80	40	106	40	50	
524	D3	305L		307A		201			250			MRD22
524							8526					
514											D18GB	
514			4307N		4305L			4526		4250		
ISO No.	314 167	314 142	314 142	314 142	314 142	314 001	314 546	314 546	314 277	314 277	314 198	