



# IPR Kit | 4594

For interproximal enamel reduction (IPR) according to Dr. Drechsler

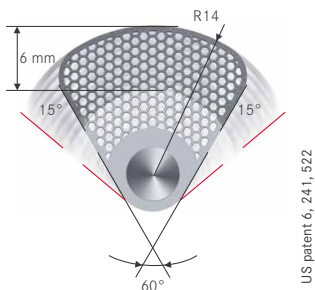


Interproximal enamel reduction (IPR) is increasingly used in all sectors of modern orthodontics, applying not only to fixed buccal and lingual appliances, but also to treatments with aligners. This invaluable procedure successfully minimizes extractions and ensures successful straightening of teeth, particularly in adults.

Coated on one or both sides, the oscillating discs are suitable for removing 0.2 mm to 0.4 mm of interproximal substance as required. The discs are logically arranged within the storage box according to the amount of interproximal substance to be removed, thereby enhancing the accuracy of the procedure.

Developed in close collaboration with Dr. Thomas Drechsler of Germany, the Komet® IPR kit 4594 contains a collection of patented oscillating discs clearly arranged in a modular storage box featuring an innovative, practice-orientated design. The ergonomic box offers both efficiency and hygiene, and the kit facilitates the IPR technique by combining simplified handling with optimized clinical treatment.

The easy, step-by-step technique produces reliable, reproducible results, and it enhances comfort for both the doctor and the patient during treatment.

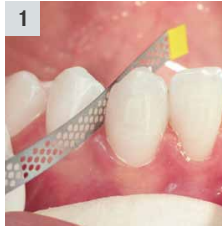


**Scientific advice:**

Dr. Thomas Drechsler,  
 Fachpraxis für Kieferorthopädie  
 Orthodontic Clinic · Wilhelmstraße 40  
 65183 Wiesbaden  
 www.kfo-wiesbaden.de

## Clinical sequence

1. For gentle, manual separation of the contact point, begin by inserting thin abrasive strip WS37EF between the two teeth receiving treatment. The honey-comb-design strip is coated with extra-fine grit (yellow).



2. Follow with a slightly thicker strip, WS37 (0.13 mm), coated with medium grit (blue).



3. Once the interproximal contact has been eliminated, the first oscillating disc OS1FV (0.13 mm, coated on one side only) can be used without jamming. The oscillating angle of the discs is 30° (15° in each direction). The sequence of discs is graduated so that each is 0.05 mm thicker than the one preceding it, thereby facilitating a smooth, safe increase of the interdental distance.



4. The second, single side-coated disc (OS15FV) is used for selective removal of dental enamel on one side of the tooth only, as required in this case.



Note: Oscillating discs with coating on the rear side only are available for working on distal surfaces (figure numbers feature the “H” instead of “V”). If an equal amount of substance removal is required on both sides, the OS15 oscillating disc with dual-sided coating is recommended (thickness: 1.5 mm).



To reduce the enamel by a total of 0.2 mm, simply use the discs in the first section of the storage box marked 0.2.



To enable the removal of the exact amount of enamel, the thickness of the OS discs is 0.05 mm less than the required dimension, taking into account the interproximal polishing step that follows enamel reduction. Together, the two steps result in the removal of the exact amount of enamel required, effectively eliminating the need for a subsequent dimensional check.



To reduce the enamel by 0.3 mm or 0.4 mm, use the discs in section 0.2 first. Then work through the subsequent sections starting at the top of each sector until you have reached the last disc at the bottom of the section corresponding to the required target size.



5. Use the discs in the following sequence: oscillating disc OS20F coated on both sides (thickness: 0.2 mm),...

6. ...oscillating disc OS25M coated on both sides (thickness: 0.25 mm),...

7. ...oscillating disc OS1M coated on both sides (thickness: 0.30 mm), and...

8. ...oscillating disc OS35M coated on both sides (thickness: 0.35 mm).

9. The final result.



10. The IPR kit also contains a rotary instrument 8392.314.016 (identified by a red ring) for use when more than 0.5 mm of interproximal reduction is required. This instrument is stored in the section marked 0.5. Applied horizontally, the finisher has an especially short working part to enable quick, precise reduction between neighboring teeth.

11. Stored in the “contouring” section of the IPR kit, instrument 850.314.012 is used prior to polishing for contouring and beveling of edges and beads. This instrument is designed to give the dental surfaces a natural, esthetically pleasing look.

12. The final step focuses on polishing the interproximal enamel (IPP). Kit 4564 composite polishing discs are recommended. To create a smooth surface, first use the blue CompoClip (CC1M.900.130).



13. Next, use the fine CompoClip (CC1F.900.130).

14. Finalize with the ultra-fine CompoClip CC1UF.900.130.

15. Apply fluoride to the enamel to conclude treatment.

**Recommendations:**

- The segmented discs are designed for use in the oscillating Komet® OS30 contra-angle.
- The discs are used at the maximum micro motor speed (Ω<sub>max</sub> 40.000 rpm).
- The use of an air motor also is possible.
- Start the oscillating discs before applying to the tooth.
- Insert the segmented discs from the occlusal, and guide down slowly.
- Use sufficient water spray coolant at all times (at least 50 ml/min).

- Segmented discs with coating on the front side are identified by the letter “V” on their shanks, whereas discs with coating on the rear side are marked with the letter “H.” The thickness of the disc also is laser marked on the shank.
- Segmented discs coated with medium grit can be identified by a blue ring, while fine-grit discs are identified by their red marking.
- Komet® polishing discs (Kit 4564) are recommended for subsequent interproximal polishing of the enamel.
- To complete the treatment, apply fluoride to the enamel.

**Advantages:**

- Significantly faster and more effective than manual enamel reduction with diamond strips.
- Enamel can be reduced by the exact required amount.
- Patented oscillating discs offer unobstructed view and excellent chip removal.
- The instrument tray is clearly arranged for simplified treatment.

**IPR kit 4594**

Elimination of the interproximal contact

● **WS37EF** ● **WS37**

IPR 0.2 mm

- **OS1FV.000.140** 0.13 mm
- **OS1FH.000.140** 0.13 mm
- **OS15FV.000.140** 0.15 mm
- **OS15FH.000.140** 0.15 mm
- **OS1F.000.140** 0.15 mm

IPR 0.3 mm

- **OS20FV.000.140** 0.20 mm
- **OS20FH.000.140** 0.20 mm
- **OS20F.000.140** 0.20 mm
- **OS25M.000.140** 0.25 mm

IPR 0.4 mm

- **OS1M.000.140** 0.30 mm
- **OS35M.000.140** 0.35 mm

IPR 0.5 mm

- **8392.314.016**

Contouring

- **850.314.012**



**OS30**  
Oscillating contra-angle

