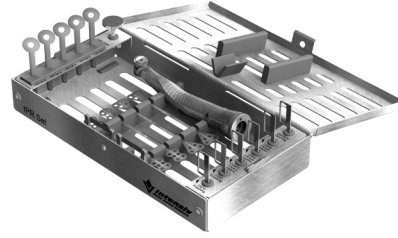


Instruction for use Intensiv IPR Set

Selection of instruments for professional and calibrated application for the creation of interproximal space in IPR protocols.

Tray in stainless steel with silicone instrument holders. Inclusive content ready for sterilization.



Intensiv IPR Set, Ref. 6000/WG-69 LT
Content of the stainless steel Tray:
1 Contra Angle, Ref. WG-69 LT, with light
1 Ejector, Ref. 053
1 Intensiv Ortho-Strips, Ref. OS08OP
1 Intensiv Ortho-Strips, Ref. OS80C
1 Intensiv Ortho-Strips, Ref. OS60
2 Intensiv Ortho-Strips, Ref. OS40
1 Intensiv Ortho-Strips, Ref. OS15
1 Intensiv ApproxOpener, Ref. AO2018DS
1 Intensiv ApproxOpener, Ref. AO2018OS
1 Intensiv IPR-DistanceControl, Ref. IPR-DC010
1 Intensiv IPR-DistanceControl, Ref. IPR-DC015
1 Intensiv IPR-DistanceControl, Ref. IPR-DC020
1 Intensiv IPR-DistanceControl, Ref. IPR-DC040
1 Intensiv IPR-DistanceControl, Ref. IPR-DC050
2 Intensiv Ortho-Strips Manual Coarse/Medium, Ref. OSM8040
2 Intensiv Ortho-Strips Manual Fine/ExtraFine, Ref. OSM1508

Intensiv IPR Set, Ref. 6000/WG-69 A
Content of the stainless steel Tray:
1 Contra Angle, Ref. WG-69 A, without light
1 Ejector, Ref. 053
1 Intensiv Ortho-Strips, Ref. OS08OP
1 Intensiv Ortho-Strips, Ref. OS80C
1 Intensiv Ortho-Strips, Ref. OS60
2 Intensiv Ortho-Strips, Ref. OS40
1 Intensiv Ortho-Strips, Ref. OS15
1 Intensiv ApproxOpener, Ref. AO2018DS
1 Intensiv ApproxOpener, Ref. AO2018OS
1 Intensiv IPR-DistanceControl, Ref. IPR-DC010
1 Intensiv IPR-DistanceControl, Ref. IPR-DC015
1 Intensiv IPR-DistanceControl, Ref. IPR-DC020
1 Intensiv IPR-DistanceControl, Ref. IPR-DC040
1 Intensiv IPR-DistanceControl, Ref. IPR-DC050
2 Intensiv Ortho-Strips Manual Coarse/Medium, Ref. OSM8040
2 Intensiv Ortho-Strips Manual Fine/ExtraFine, Ref. OSM1508

Intensiv IPR Tray, Ref. 6000
Content of the stainless steel Tray:
1 Intensiv Ortho-Strips, Ref. OS08OP
1 Intensiv Ortho-Strips, Ref. OS80C
1 Intensiv ApproxOpener, Ref. AO2018DS
1 Intensiv IPR-DistanceControl, Ref. IPR-DC010
1 Intensiv IPR-DistanceControl, Ref. IPR-DC020
1 Intensiv Ortho-Strips Manual Coarse/Medium, Ref. OSM8040
1 Intensiv Ortho-Strips Manual Fine/ExtraFine, Ref. OSM1508



P279/06/2015

Mechanical instruments for the creation of the proximal space



Intensiv Ortho-Strips

University of Zurich

Oscillating instruments for the interdental reduction of the tooth size in orthodontics.

To be used in combination with the contra-angles:

- Intensiv Swingle, WG-69 LT Ortho, with light
 - Intensiv Swingle, WG-69 A Ortho, without light
- Alternatively:
- KaVo head 61 LG
 - KaVo contra-angle E61C

Product description

- Double sided diamond-coated oscillating metal strip
- Strip height: 3.7 mm
- Length of the diamond-coated part: 13 mm
- Sterilizable and reusable

Indications

- Opening of the interdental space
- Contouring and polishing of the enamel

Recommendations for use

- Apply Intensiv Ortho-Strips in interproximal areas according to the IPR enamel reduction protocol for orthodontic treatments.
- A pre-opening of tight contact points using Intensiv Ortho-Strips Opener is suggested, Ref. OS08OP/6, Ref. OS08OP-R/6, right or Ref. OS08OP-L/6, left.
- In case of very tight contact points separate the teeth by placing a wooden wedge cervically. This makes stripping more comfortable both for operator and patient.
- Set the contra angle at 20°000 oscillations per minute max.
- Activate water spray during the entire treatment (minimum 50 mL/min).
- Regulate water flow in case of water excess or shortage.
- Insert the strip in a cervical direction while the contra-angle is moving. This prevents the instruments from jamming.
- Contact pressure: bend the strip 1-1.5 mm to achieve the ideal 1-2.5N operating force.
- Do not stop the strip in the interdental space.
- Remove the strip from the interdental space whilst the contra-angle is moving.

Intensiv Ortho-Strips Coarse

Oscillating instruments for a fast and efficient reduction of interproximal enamel in orthodontic treatments.

To be used in combination with the contra-angles:

- Intensiv Swingle, WG-69 LT Ortho, with light
 - Intensiv Swingle, WG-69 A Ortho, without light
- Alternatively:
- KaVo head 61 LG
 - KaVo contra-angle E61C

Product description

- Oscillating diamond-coated and perforated metal strip
- Diamond grit-size: 80 µm
- Available in 3 versions:
 - One-Sided Left (L): diamond coating on the left side of the strip, thickness 0.2±0.05 mm
 - One-Sided Right (R): diamond coating on the right side of the strip, thickness 0.2±0.05 mm
 - Double-Sided: diamond coating on both sides of the strip, thickness 0.3±0.05 mm
- Strip height: 3.7 mm
- Length of the working part: 13 mm
- Sterilizable and reusable

Indication

Unilateral or bilateral interproximal enamel reduction during orthodontic IPR protocol.

Recommendations for use

- Apply Intensiv Ortho-Strips Coarse in interproximal areas according to the IPR enamel reduction protocol for orthodontic treatments.
- A pre-opening of tight contact points using Intensiv Ortho-Strips Opener is suggested, Ref. OS08OP/6, Ref. OS08OP-R/6, right or Ref. OS08OP-L/6, left.
- In case of very tight contact points separate the teeth by placing a wooden wedge cervically. This makes stripping less uncomfortable both for operator and patient.
- Set the contra angle at 20°000 oscillations per minute max.
- Activate water spray during the entire treatment (minimum 50 mL/min).
- Regulate water flow in case of water excess or shortage.
- Insert the strip in a cervical direction while the contra-angle is moving. This prevents the instruments from jamming.
- Contact pressure: bend the strip 1-1.5 mm to achieve the ideal 1-2.5N operating force.
- Do not stop the strip in the interdental space.
- Remove the strip from the interdental space whilst the contra-angle is moving.

Intensiv Ortho-Strips Opener

Oscillating instruments for easy and rapid opening of tight interdental contact points.

To be used in combination with the contra-angles:

- Intensiv Swingle, WG-69 LT Ortho, with light
 - Intensiv Swingle, WG-69 A Ortho, without light
- Alternatively:
- KaVo head 61 LG
 - KaVo contra-angle E61C

Product description

- Serrated oscillating diamond-coated metal strip
- Diamond grit-size: 8 µm
- Available in 3 versions:
 - One-Sided Left (L): diamond coating on the left side of the strip
 - One-Sided Right (R): diamond coating on the right side of the strip
 - Double-Sided: diamond coating on both sides of the strip
- Strip height: 3.7 mm
- Length of the working part: 13 mm
- Strip thickness: 0.1±0.03 mm
- Sterilizable and reusable

Indication

Opening of tight interdental contact areas at the initial stage of the orthodontic IPR procedure.

Recommendations for use

- Apply Intensiv Ortho-Strips Opener in interproximal areas at the beginning of the IPR orthodontics protocol for the opening of tight contact points.
- Subsequently proceed with the enamel reduction protocol using Intensiv Ortho-Strips System.
- In case of very tight contact points separate the teeth by placing a wooden wedge cervically.
- Set the contra-angle at a value of 20°000 oscillations per minute max.
- Activate water spray during the entire treatment (minimum 50 mL/min).
- Regulate water flow in case of water excess or shortage

- Insert the strip in a cervical direction while the contra-angle is moving. This prevents the instrument from jamming.
- Operative pressure: bend the strip 1-1.5 mm to achieve the ideal 1-2.5N operating force.
- Do not stop the strip in the interdental space
- Remove the strip from the interdental space whilst the contra-angle is moving

Risk Warning for all mechanical instruments

- Avoid bending and levering: use of excessive force (strong levering effect with the contra-angle) could lead to the breakage of the instrument.
- Oscillating over 20°000 oscillations per minute could cause breakage of the instrument.
- Avoid temperatures above 180°C which may affect the durability of the instrument.
- Avoid applying forces greater than 3N as this could cause damage to the instrument.
- To ensure traceability of the instruments during their entire application, it is recommended to keep the packaging.

Maintenance and Sterilization of all mechanical instruments

- Instruments are delivered non sterile. They must be sterilized prior to first use and disinfected, cleaned, and sterilized after each use.
- Clean the instruments and remove debris after each use, so as to maintain their abrasive properties.
- Use a single-pulsed or fractionated vacuum autoclave and subvacuum drying. Chemiclave sterilizers may also be used. Hot air sterilizers are not suitable for diamond instruments.
- Sterilization must be carried out according to validated procedures.
- Sterilization process is referred to ISO standard 17664. It is recommended to follow the indications below:
 - Cycles at 134°C:
 - Tmin = 134°C – Tmax = 138°C
 - Pressure = 3.15 bar abs
 - Time = 4 min (raisable)
 - Cycles at 121°C:
 - Tmin = 121°C – Tmax = 125°C
 - Pressure = 2.10 bar abs
 - Time = 16 min (raisable)

Packaging of 3, 6, 12

- Intensiv Ortho-Strips, Ref. OS90
- Intensiv Ortho-Strips, Ref. OS60
- Intensiv Ortho-Strips, Ref. OS40
- Intensiv Ortho-Strips, Ref. OS25
- Intensiv Ortho-Strips, Ref. OS15
- Intensiv Ortho-Strips Set, Ref. 060A (OS90, OS40, OS25, OS15)
- Intensiv Ortho-Strips Set, Ref. 060B (OS60, OS40, OS25, OS15)

Packaging of 3, 6

- Intensiv Ortho-Strips Coarse, Double-Sided, Ref. OS80C
- Intensiv Ortho-Strips Coarse, One-Sided, Ref. OS80C-R, right
- Intensiv Ortho-Strips Coarse, One-Sided, Ref. OS80C-L, left

Packaging of 3, 6

- Intensiv Ortho-Strips Opener, Double-Sided, Ref. OS08OP
- Intensiv Ortho-Strips Opener, One-Sided, Ref. OS08OP-R, right
- Intensiv Ortho-Strips Opener, One-Sided, Ref. OS08OP-L, left

Manual instruments for the creation of the proximal space



Intensiv ApproxOpener

Product description

- Manual metal strip
- Versions
 - Serrated and diamond coated (8µm) on one side
 - Serrated and diamond coated (8µm) on both sides
- Height: 4mm
- Overall length: 20mm
- Thickness of the serrated and one-side diamond coated strip: approx. 0.09mm
- Thickness of the serrated and two-side diamond coated strip: approx. 0.10mm
- Total height of the instrument: 18mm
- Total length of the instrument: 27.5mm
- Stainless steel

Indications

- Opening of tight interproximal areas in orthodontic treatments (one-side and two-side diamond coated versions).
- Removal of black triangles.

Practical Tips

- Intensiv ApproxOpener is positioned incisally/coronally between the teeth in accordance with the interdental space and moved in gingival direction.
- Depending on the initial positioning of Intensiv ApproxOpener in the interdental space, the forward or return movement will be active or passive.

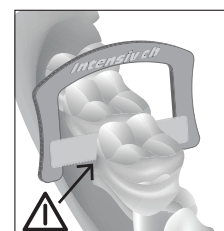
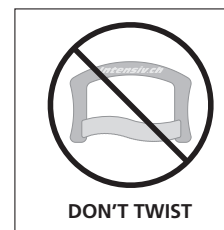
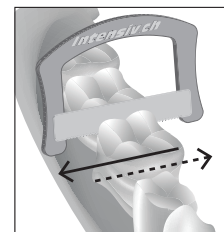
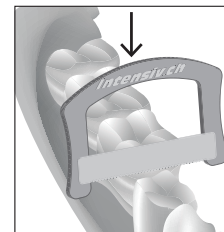
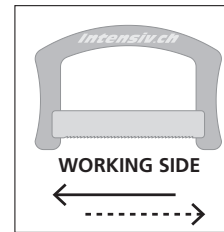
Risk Warnings

- It is recommended not to bend the working part or use it as a lever, applying a force superior than 2N, in order to prevent a break of the instrument.
- Please pay attention to the force applied to the instrument when working in the vicinity of soft tissue; apply a force similar to that used with a manual finishing strip to prevent mucosal lesions.
- Intensiv ApproxOpener is held firmly between fingers and secured with dental floss.

Intensiv ApproxOpener

Metal strip serrated and diamond coated on one side
Ref. AO2018OS/3 Package of 3 Strips

Metal strip serrated and diamond coated on both sides
Ref. AO2018DS/3 Package of 3 Strips



Intensiv Ortho-Strips Manual Coarse/Medium

Pat. 699 819

Product description

- Metal strip, diamond-coated on one sided only with two working parts of different grit sizes: (80µm, blue, 40µm, red)
- One sided, 3 rows of perforation, diamond-coated metal strip
- Perforated anatomical ends for a better gripping
- Height: 2.5mm
- Total length: 80mm
- Thickness: 0.05mm
- Sterilizable and reusable

Indications

- Unilateral interproximal enamel reduction and finishing during orthodontic IPR protocol (Stripping).

Practical Tips

- The total length of the strip (80mm) allows an optimal finger support on the adjacent teeth during work.
- To get past the contact area, use the uncoated part of the strip and exert a slight horizontal movement. Do not twist, bend or pull strip too tightly during use.
- After introduction, work with the less abrasive side (40µm, red), in order to facilitate the access of the more abrasive side (80µm, blue). Then begin the finishing procedure using a back-and-forward movement.
- Then apply the 80µm diamond-coated side, with cautious horizontal movements, to model the proximal contours. Next, switch again to the less abrasive side (40µm, red) to complete the procedure with the finishing.
- After finishing to perform the polishing of the surfaces, it is recommended to use Ortho-Strips Manual version Fine / Extra fine with a grain grit of 15µm and 8µm for the polishing.

Risk Warnings Intensiv Ortho-Strips Manual Coarse/Medium

- Bending or twisting the metal strip during use can lead to fractures and/or fissures.
- Pulling too forcefully in tight interdental spaces or beginning with the more abrasive (80µm) grit can cause the fissures.
- Bending or twisting the metal strip can lead to detachment of the diamond coating.
- Leaving proximal surfaces roughened with 40µm grain size can lead to undesirable mechanical retention and formation of plaque.

Intensiv Ortho-Strips Manual Fine/ExtraFine

Pat. 699 819

Product description

- Metal strip, with only one diamond-coated side and two working parts in different grain sizes, 15 µm (yellow) and 8 µm (orange)
- Perforated anatomical ends for a better gripping
- Height: 2.5mm
- Total length: 80mm
- Thickness: 0.05mm
- Sterilizable and reusable

Indications

- Unilateral interproximal enamel polishing during orthodontic IPR protocol (Stripping).

Practical Tips

- The total length of the strip (80mm) allows an ideal support of fingers on adjacent teeth during treatment.
- After introducing the strip, apply a back and forth movement, first with the slightly more abrasive side (15µm, yellow).
- To complete the treatment of surfaces with polishing, finish with less abrasive side (8µm, orange).

Risk Warnings Intensiv Ortho-Strips Manual Fine/ExtraFine

- Bending or twisting the metal strip during use can lead to fractures and/or fissures.
- Bending or twisting the metal strip can lead to detachment of the diamond coating.

Maintenance and Sterilization of all manual instruments

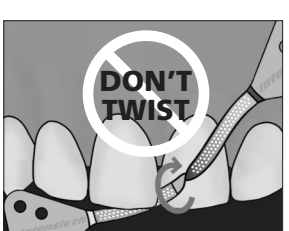
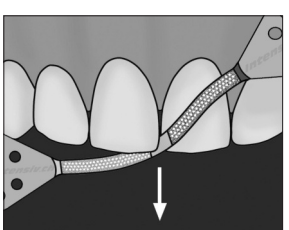
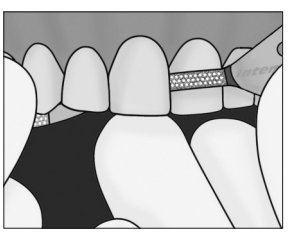
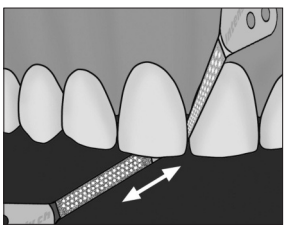
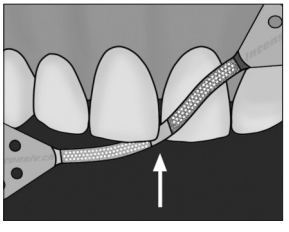
- The strip is supplied non-sterile. Prior to first use on the patient and immediately after each use, the instruments must be disinfected, cleaned, and sterilized.
- Keep the strip separate from non-stainless steel instruments, such as rubber polishers and abrasive stones.
- If disinfection by immersion is being used, it is important to use only cleaning/disinfection solutions that provide corrosion protection and strictly observe the concentrations recommended by the manufacturer.
- Sterilization must be performed with validated procedures. If possible, use a single-pulsed or fractionated vacuum autoclave and subvacuum drying. Chemiclave sterilizers may also be used.
- Sterilization process is referred to ISO standard 17664. It is recommended to follow the indications below:
 - Cycles at 134°C:
 - Tmin = 134°C – Tmax = 138°C
 - Pressure = 3.15 bar abs
 - Time = 4 min (raisable)
 - Cycles at 121°C:
 - Tmin = 121°C – Tmax = 125°C
 - Pressure = 2.10 bar abs
 - Time = 16 min (raisable)

Intensiv Ortho-Strips Manual Coarse/Medium

(grit size 80µm and 40µm)
Ref. OSM8040/6 Package of 6 Strips

Intensiv Ortho-Strips Manual Fine/ExtraFine

(grit size 15µm and 8µm)
Ref. OSM1508/6 Package of 6 Strips



Measurement of the created proximal space



IPR-DistanceControl

Product description

- Intensiv IPR (InterProximalReduction)-DistanceControl is a manual metal instrument
- 5 metallic elements of different thicknesses with ergonomic grip:
 - 0,10 mm
 - 0,15 mm
 - 0,20 mm
 - 0,40 mm
 - 0,50 mm

- Height of measuring part: 4mm
- Length of measuring part: 40mm
- Total length of instrument: 50mm
- Sterilizable and reusable

Indications

- Measurement and control of the teeth distance in the various stages of the IPR technique in orthodontics.

Practical Tips

- IPR-DC is inserted in the vestibular/buccal direction.
- If the designated instrument does not enter into the interdental space created, proceed to measure the

interdental space with the thickness gauge immediately below or through a combination of 2 or more instruments.

- If the designated instrument has too much play in the interdental space created, proceed to measure the interdental space with the thickness gauge immediately above or through a combination of 2 or more instruments.

Maintenance and sterilisation

- Intensiv IPR-DistanceControl is supplied non-sterile. Sterilize the instruments before first use. After each use on patients, the instruments must be disinfected, cleaned and sterilized as well.
- Use a single-pulsed or fractionated vacuum autoclave and subvacuum drying. Chemiclave sterilizers may also be used.
- Sterilization must be carried out according to validated procedures.

Risk Warnings

- During insertion pay attention to the soft tissue to avoid injuries.

Packaging

Kit containing 8 elements, Ref. IPR-DC Set

Pack containing 3 instruments of the same thickness

Ref. IPR-DC010/3; IPR-DC015/3; IPR-DC020/3; IPR-DC025/3; IPR-DC030/3; IPR-DC040/3; IPR-DC050/3; IPR-DC100/3

Reciprocating Contra Angle



Intensiv Swingle

Instructions for use contained in Intensiv IPR Set packaging

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