



CURVES

Anatomically
Adaptable IPR strips

Brochure

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CURVES

Curvable polishing strips for interproximal reduction

Sterilizable, double-sided diamond instruments designed specifically for interproximal Reduction (IPR), available in six different grits.







The interproximal strip can be curved easily with the thumb to match the natural interdental tooth crown shape.





For polishing, there is also a smooth, extra-fine CURVES strip, providing a very fine polish with a 15 μm grit.

For safe use of the CURVES stripping tools without a contra-angle handpiece, a straight and angled sterilizable handle is also available.



ORDER INFORMATION

ITEM	DESCRIPTION	ITEM #
 Strip (15 μm)	Polishers	IPR-15
 Strip (25 μm)		IPR-25
 Strip (40 μm)		IPR-40
 Strip (60 μm)		IPR-60
 Strip (90 μm)		IPR-90
 Strip (40 μm)	Opener/ Separator	IPR-OP-40
Aluminum case 1 Patient Kit	3 Strips 15 μm , 40 μm , 60 μm	IPR-SET-PAT1
Aluminum case Starter Kit	5 Strips incl. Measuring gauge 15 μm - 90 μm	IPR-5
Aluminum case Starter Kit XL	6 Strips incl. Measuring gauge 15 μm - 90 μm + Opener	IPR-STARTER
Sterilization tray	for IPR-Product	IPR-TRAY

ITEM	DESCRIPTION	ITEM #
 Sirona T1LineEVA 11L	Contra-Angle with injection spray with light Max. Speed 14,000 rpm stroke 1.1mm	IPR-1110
 Sirona T1LineEVA 11	Contra-Angle with injection spray Max. Speed 14,000min ⁻¹ stroke 1.1mm	IPR-1112
 NSK Ti-Max X55L	Contra-Angle with water jet, with light Max. Speed 10,000 rpm stroke 1.3mm	IPR-1210
 NSK Ti-Max X55	Contra-Angle with water jet Max. Speed 10,000min ⁻¹ stroke 1.3mm	IPR-1211
SMT Mobile motor	Portable micromotor With lithium-ion battery 1,000 - 30,000 rpm. torque 2.4Ncm Up to 5 hours mobile	IPR-1324
Double ended manual tool	Straight and 45° angled (Strips not included)	IPR-1501
Measuring gauge	5 gauges (0.1 - 0.5mm) Measuring range (0.1 - 1.5mm)	IPR-1600

User manual and full processing instructions



For the IPR „Strips“ from Adenta GmbH

This instruction sheet refers to Adenta instruments

Item No. IPR-15 gelb beidseitig Diamant beschichtet 15 μm grit

Item No. IPR-25 white on both sides diamond coated 25 μm grit

Item No. IPR-40 red diamond coated on both sides 40 μm grit

Item No. IPR-60 gray diamond coated on both sides 60 μm grit

Item No. IPR-90 green double-sided diamond coated 90 μm grit

Item No. IPR-OP-40 red diamond coated on both sides 40 μm smooth

Item No. IPR-TRAY sterilization cassette for IPR products

An oscillating movement of 1.1-1.4 mm by Contra-angle is recommended:

Item No. 1110 Sirona T1 Line 11L / max. Speed 14,000 rpm

Item No. 1111 Sirona T1 Line 11 / max. Speed 14,000 rpm

Item No. 1210 NSK Ti - Max X55L / max. Speed 10,000 rpm

Item No. 1211 NSK Ti - Max X55 / max. Speed 10,000 rpm

The instruments can also be operated manually with the stainless steel strip holder:

Item No. IPR-1501 stainless steel bracket double straight and 45 ° angled



Damages of the contra-angle pieces due to incorrect use, such as exceeding the maximum speed, are not repaired by the manufacturer Sirona & NSK within the scope of the guarantee period.

Instructions for use

1. PURPOSE

The strips are used for minimally invasive interdental opening of the interdental space. This application is performed to gently reduce contact points within the interdental space and to create additional space for tooth movement.

2. EXPLANATIONS

The color-coded oscillating "Strips" are made entirely of medical steel and have a surface roughness of 15-90 μm . It is important that these instruments are cooled while they are being used. When using an oscillating contra-angle, please refer to the operating instructions for the specific model's highest recommended working speed as specified by the manufacturer. Oscillating angle pieces must be set to working speed before beginning the grinding process. The instrument must not be stopped during use.

3. GENERAL INFORMATION






The oscillating "Strip" instruments are used for controlled interdental enamel removal. They provide the required interdental gap for fixed orthodontic and aligner treatments. The metal arched frame of each strip can be curved manually with your thumb where necessary. This allows you to adapt the strips to the natural shape of the patient's interdental tooth crown.

4. WORKING INSTRUCTIONS

Push the handle of the strip into the contra-angle handpiece or the stainless steel holder until a firm connection is made between the oscillating contra-angle and the strip. Using the conical design of the shaft, push it until it has a tight and secure fit.

5. SAFETY PRINCIPLES

The contra-angle handpiece oscillates quickly during use. Be sure to observe the manufacturer's specifications for the maximum speed of the contra-angle. Fully plan your cases before starting interproximal reduction and use contra-angle handpieces only with a water cooling feature.

-  Strip (15 μm)
-  Strip (25 μm)
-  Strip (40 μm)
-  Strip (60 μm)
-  Strip (90 μm)



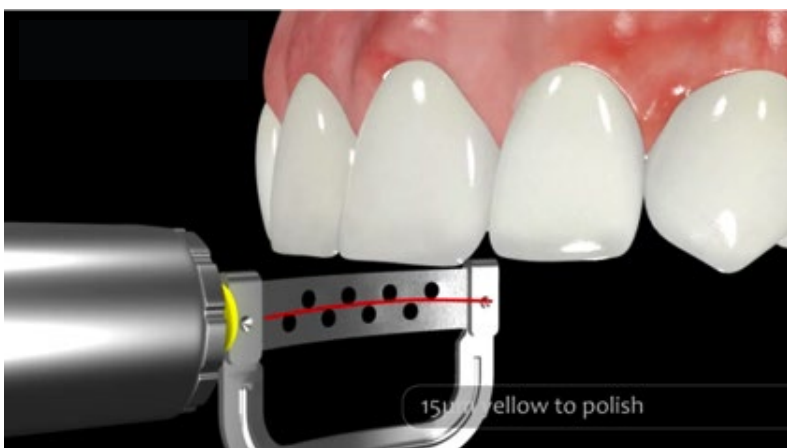
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Instructions for use

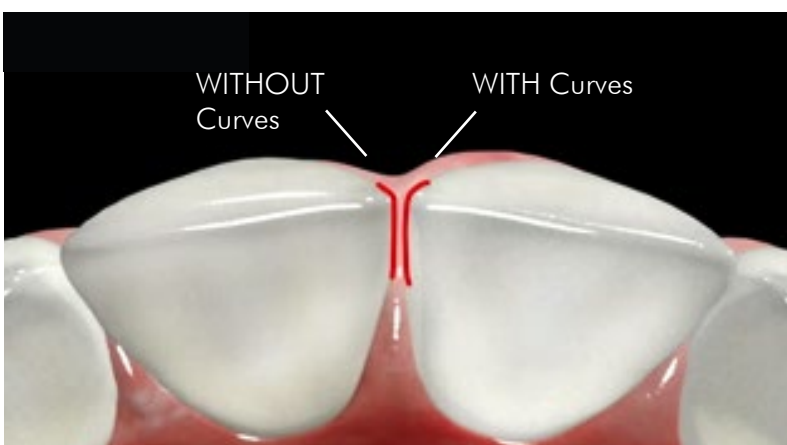
The CURVE strips require only light pressure. For narrow contact points the use of an opener / separators is recommended. Be sure that the lingual / palatal surfaces of the adjacent teeth are not damaged during this procedure. After repeating this procedure at all contact points, remove the still running contra-angle from the interdental gap and oral cavity. Turn off the contra-angle. Use the supplied gauge to ensure that the desired result has been achieved.

After the reduction of the enamel with a large grit strip it is necessary to proceed with finishing and polishing of the surface using the 15 μm polisher strip.



Customize the metal arched frame of the strip with your thumb before use, this will create an anatomical and aesthetically correct interproximal tooth shape for perfect finishing.

Start the motor and contour the tooth with a cervical movement.



Instructions for use

6. SAFETY INSTRUCTIONS

- Care must be taken to ensure that the device is adequately cooled at all times.
- **Do not exceed the manufacturer's specifications for the maximum speed of the contra-angle.**
- Do not apply more than 1 Nm pressure on the tooth surface.
- Do not stop the device while in the interdental gap.
- Interdental wedges or separators can be used in the case of severe crowding.
- Sterilize the strips after each use.
- Do not cross the prosthetic equator of the tooth to avoid injuring the gingiva.
- CURVES are to be used only by professional staff, primarily dentists and orthodontists.
- Failure to observe these safety instructions can lead to the destruction of the instrument as well as injury to the patient or practitioner.

7. DELIVERY CONDITION






- CURVES are delivered non-sterile. Suitable sterilization procedures must be used before their first use.
- In order to maintain the maximum efficiency of each CURVE, they are to be cleaned, disinfected and sterilized immediately after each application.

8. CLEANING AND STERILIZATION

- Disinfection should always be performed in an ultrasonic machine. Any commercially available dental disinfecting agent can be used.
- After each application, CURVES are to be cleaned with a soft cleaning brush to avoid deterioration of the diamond grit.
- Be sure to sterilize CURVES in accordance to European standards EN 13060 with the valid revision status.
- Please note that High Heat Sterilization is not suitable for diamond instruments and as such is not to be used with CURVES.

9. CONTRAINDICATION

- Use the product only in the manner indicated in this manual to avoid unforeseeable consequences.
- Do not swallow.
- Keep out of the reach of children.
- Do not use on patients with contagious diseases.
- Should CURVES come into contact with biological tissue, observe that they are disposed of correctly and immediately.

	Strip (15 μm)
	Strip (25 μm)
	Strip (40 μm)
	Strip (60 μm)
	Strip (90 μm)

Processing Instructions

PRODUCT

All reusable dental instruments placed on the market by Adenta GmbH
Interproximal enamel reduction

All instruments provided by Adenta GmbH are supplied non-sterile and must therefore be subjected to the complete preparation process before their first application, as well as after each application. The reprocessing applies to a product for a patient.

WARNINGS – RESTRICTIONS ON REPROCESSING

Frequent reprocessing has little effect on the instruments.

The end of the product's life can normally be determined through wear and damage from use. As a general rule, the products should be disinfected and cleaned as quickly as possible in order to avoid the drying up of blood and other residues, which are more difficult to clean off once dry. Additionally, blood and other residues can carry disease, among other things, from Creutzfeld-Jakob disease.

INSTRUCTIONS

Automated processing in disinfection and cleaning machines

- Disinfect and clean instruments immediately after use.
- Assign instruments correctly.
- Water inlet temperature should not exceed 45°C.
- Use only suitable cleaning disinfectants.
- Use only the manufacturer's recommended dosage, exposure time, and temperature with the chosen cleaning disinfectant.
- Ensure that all residues are removed during the cleaning process via thorough rinsing.
- Remove the instruments from the machine immediately after the process completes - do not leave them in the machine overnight! Oscillating instruments are only conditionally suitable for machine processing and can be damaged should they sit inside for longer than necessary. Because of this, preparation in an ultrasonic or immersion bath is preferable.
- High Heat sterilization is not suitable for all diamond instruments, including CURVES.

CLEANING: automatic

= Analogue „Machine preparation in disinfection and cleaning machines“ see above.

CLEANING: manually

Equipment: Running water, cleaning agent, and a soft brush (Do not use metal brushes!).

1. Run the instrument under water until all visible contamination is gone from the surface of the instrument.
2. Apply cleaning agent to all surfaces of the instrument with soft brush. Ensure that instruments with moving parts are cleaned both in the open and closed position. Pay particular attention to the cleaning of hard-to-reach areas such as locks, slots, etc.
3. Run the instrument under water again until all cleaning agent is rinsed off and all visible surface contamination is removed. It is recommended to carry out final rinse with demineralized water.

Processing instructions

MAINTENANCE, INSPECTION AND TESTING

- All hinges and joints of instruments should be treated with Paraffin-based oil agent.
- All instruments must be subjected to a visual inspection for damage and wear before each use.
- Instruments with moving parts should be checked for smooth operation. Ensure all locking systems operate as expected.
- Do not attempt to repair defective or dull instruments. Dispose of them immediately.

RECOMMENDED PREPARATION FOR STERILIZATION

- Single use of a standard packaging material.
- Place instruments in trays provided for this purpose. Leave instruments with moving parts in the open position
- Ensure that the bags are large enough for the instruments / tray so that the seal is not under tension.

RECOMMENDED STERILIZATION IN PRACTICE

Sterilization is carried out by validated sterilization process with moist heat according to DIN EN ISO procedures (valid revision level is to be applied).

The date of sterilization or sterilization / LOT is documented on the packaging.

STORAGE

The storage method and the storage location corresponding to the storage time according to the recommended values according to DIN 58953 with the respectively valid revision status.

NOTE

The practitioner is responsible for ensuring that the processing carried out on the equipment, materials and personnel achieves the desired result. This requires routine monitoring of the process. Likewise, any deviation from provided instructions by the conditioner should be carefully evaluated for its effectiveness and possible adverse consequences. Observe the recommendations of the Robert Koch Institute published in Federal Health Gazette 4-2006 as well as possible regulations in connection with the preparation which must be taken into account.

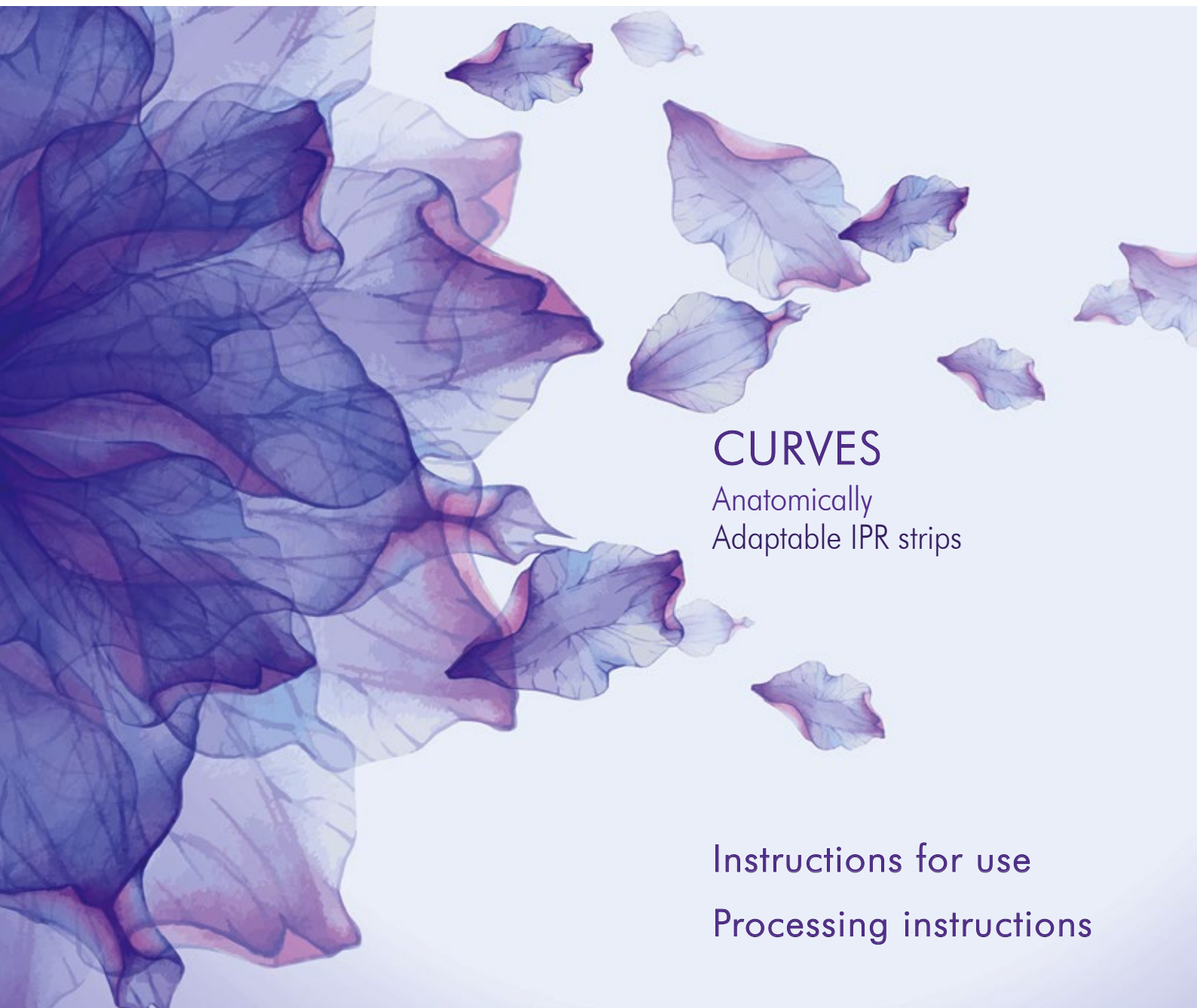
ADDITIONAL INFORMATION

For further information on the preparation of reusable medical devices, please refer to the yellow brochure of the Working Group on Instrument Preparation (AKI Guidelines) - "Instrument preparation in dental practice".

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