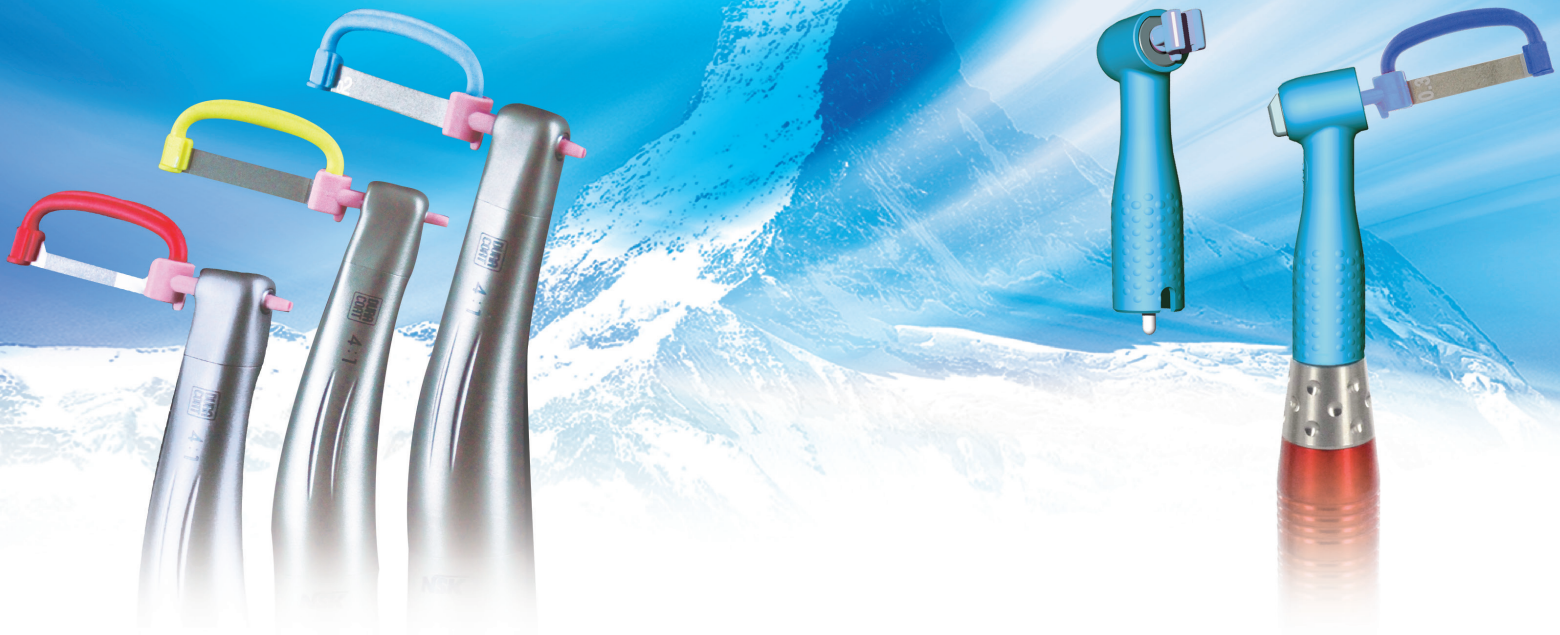


 **Fix&**
Strip



orthodontic

restorative

SDC Product Line

 **SDC**
SWISS
dentacare
QUALITY DENTAL PRODUCTS

Who we are? What we do?

SDC Switzerland SA, headquarter is located in Bioggio, close to the Swiss-Italian border. The origin of the company goes back to the local tradition of high-quality products and well-known Swiss Made brand.

We focus on the development of innovating dental instruments for interproximal enamel reduction treatments, leader in the aligner, orthodontic and general dentistry market. Now IPR can be operated mechanically where before was predominantly manual or none existing.

In order not only to meet cross-border requirements and challenges but also, time and again, we closely work with universities and colleges all over Europe. Most valuable to us is however a continuous exchange of ideas and experiences with general practicing dentists and orthodontists. The insights from their work help **SDC Switzerland SA** to market the pioneering calibrated files **G5-ProLign®**.

Swiss quality and precision craftsmanship characterizes every single one of our products. The high cutting efficiency with natural diamonds coating as well as a first-class galvanic conditioning, together, results in a product with optimal abrasive properties granting all SDC Files an extraordinary abrasive efficiency and accurate treatment result.

The goal of this improved product range is to provide high quality products that are suitable for every IPR procedure, guaranteeing users greater security while performing a minimally invasive treatment with precision.

SDC Switzerland SA



Scientific collaborations

Prof. Dr. Christos Katsaros, PhD

Dr. Alexander M. Johnner

Prof. Dr. Ch.J. Lux

University of Darmstadt

University of Marburg

Prof. A. Caprioglio

Prof. Siciliani

Dr. P. D'Amico

Dr. Suchada Rangsit (Rear Admiral)

Dr. Chung Chen Jane Yao, DDS, PhD

Dr. Chang, Hsin Ju, DDS, PhD

Dr. Gau Xue- mei, DDS, PhD

Dr. Jung-Yul Cha, DDS, PhD

Dr. Shih-jaw TSAI, DDS, MS

Dr. Jörg Schwarze, Orthodontist

Dr. Thomas Trechsler, Orthodontist

Dr. Geoffrey Hall, Orthodontist

Dr. Duncan Brown, DDS, MS Orthodontist

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University of Geneva, Switzerland

Chairman Dept. Orthodontics, University of Heidelberg, Germany

Germany

Germany

Chairman Dept. Orthodontics, University of Insubria, Italy

Chairman Dept. Orthodontics, University of Ferrara, Italy

University of Ferrara, Italy

Dean, University Bangkok

National Taiwan University, Taiwan

Chairman Dept. Orthodontics, University Taiwan

Peking University Dept. Orthodontics

Department of Orthodontics Yonsai University, Seoul

Main Invisalign Speaker Taiwan

Köln, Germany

Align Technology Europe Speaker, Diamond Invisalign Certificate, Germany

Australia, VIP Speaker Ormco

Canada, VIP Speaker Ormco

Belgium

International Speaker (EOS, AAO, Angle Society of Europe), Italy

Italy

Italy

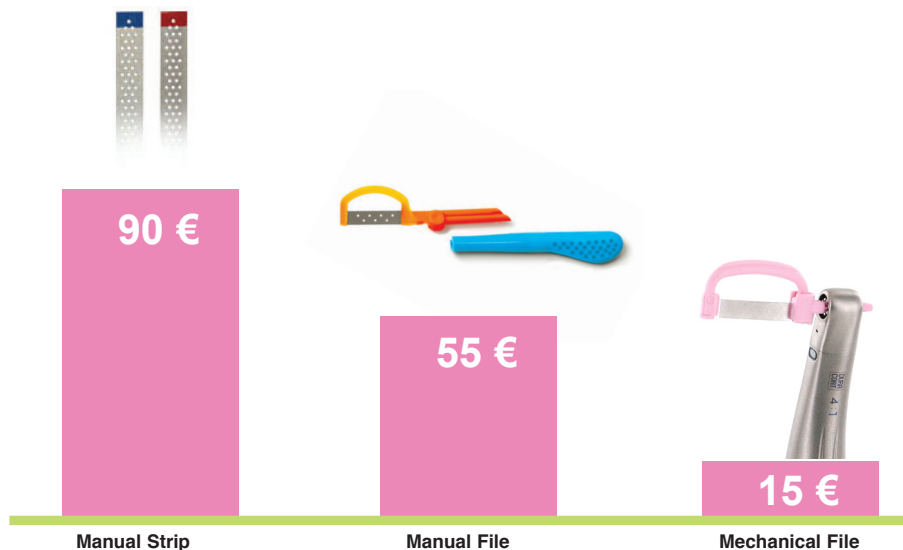
University of Darmstadt, Germany

University of Heidelberg, Germany

KOL, Invisalign Platinum, Gold and Invisalign Teen Certificate

The modern solution from Swissdentacare

Calculated labour costs to reduce 1 mm of enamel
Approximal enamel correction



Data based on university study (in vitro), where the removal rate of various grinding tools were examined¹. On basis of these results, the time required to remove 1 mm of enamel was calculated. Economically cost covering amounts per working hour of German dentists were approximately € 180 in 2002^{2,3}. Taking this data, the shown costs were calculated.

Apart from the economic aspect, the mechanical method ensures substantial advantages

Mechanical



Improved comfort for your patients

- reduced treatment time (max. 5 min vs min. 15 min)
- reduced treatment stress

Manual



Output Optimization

- optimized view on treatment area
- optimized abrasion control

1) Manfredi M., Interproximal enamel reduction: SEM ultrasound analysis of various methods; Dissertation, Università degli studi dell'Insubria, 2006/2007

2) Hartenbach M.; Praxiskosten – Was kostet eine Zahnarztstunde; in: Zahnärzte-Wirtschaftsdienst-05/2002

3) „Im Durchschnitt hat eine Ein-Behandler-Praxis einen Kostensatz von 170 – 260 Euro und einen Honorarstundensatz von 290 – 420 Euro.“; aus Tafuro F., Franzen N.; in: Unternehmen Zahnarztpraxis – Die Bausteine des Erfolgs (S. 76, Kostenquote); Springer-Verlag Berlin, 2011

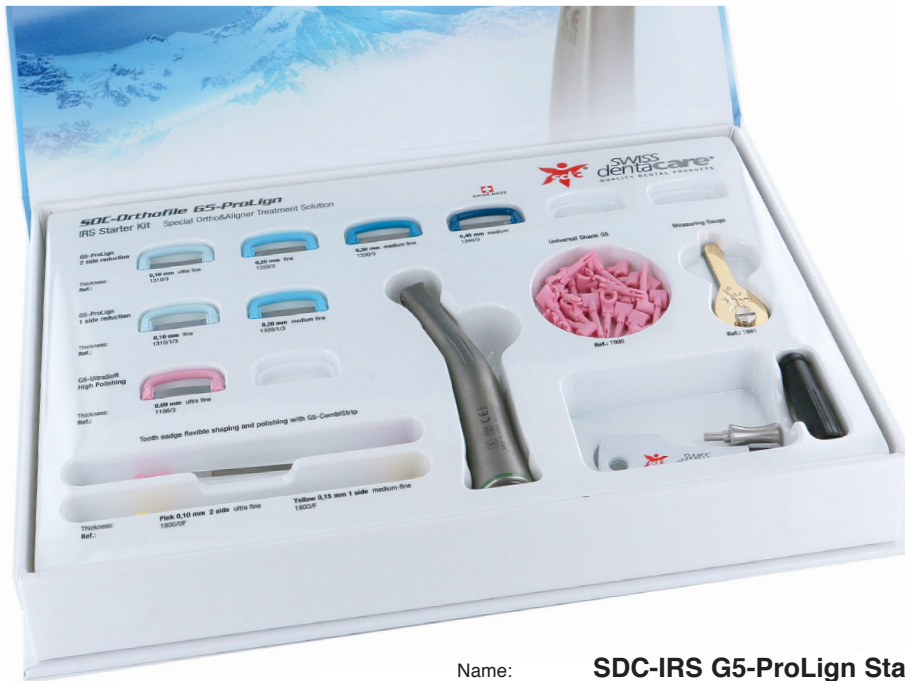
For Orthodontic & Aligner treatments

SDC Premium Line

SDC-IRS G5-ProLign Starter Kit

With hand piece

Article Ref. 1300/KIT/NSK/X55



Name: **SDC-IRS G5-ProLign Starter Kit (NSK X55 HP)**

Description: 4 G5-ProLign files 0.1, 0.2, 0.3, 0.4 mm 2 sides
 2 G5-ProLign files 0.1, 0.2 mm 1 side
 1 G5-UltraSoft file 6 μ m 2 sides
 1 CombiStrip file 6 μ m (ultra-fine) polishing, 2 sides
 1 CombiStrip file 15 μ m (fine) contouring, 1 side
1 Hand piece NSK Ti Max X55 with Water
 1 Measuring gauge 5 thicknesses
 20 G5-Shanks Pink (Metal HP)
 1 Nozzle for spray lubrication
 1 Extractor for some instruments
 1 USB Key Instruction manual, sterilization and lubrication manual

Article Ref. 1300/KIT/COXO C3-11

NEW



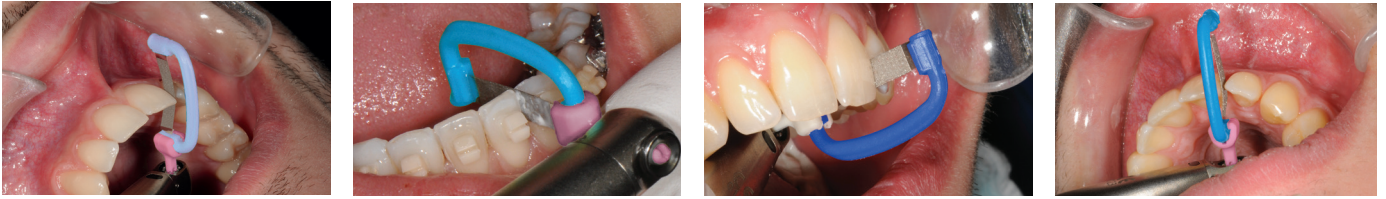
Name: **SDC-IRS G5-ProLign Starter Kit (COXO C3-11 HP)**

Description: 4 G5-ProLign files 0.1, 0.2, 0.3, 0.4 mm 2 sides
 2 G5-ProLign files 0.1, 0.2 mm 1 side
 1 G5-UltraSoft file 6 μ m 2 sides
 1 CombiStrip file 6 μ m (ultra-fine) polishing, 2 sides
 1 CombiStrip file 15 μ m (fine) contouring, 1 side
1 Hand piece COXO C3-11 (external irrigation)
 1 Measuring gauge 5 thicknesses
 20 G5-Shanks Pink (Metal HP)
 1 Nozzle for spray lubrication
 1 Extractor for some instruments
 1 USB Key Instruction manual, sterilization and lubrication manual.

For Orthodontic & Aligner treatments

G5-ProLign calibrated files for treatments with removable Aligners and fixed orthodontics systems

G5-ProLign are safe, accurate and minimally invasive IPR files with calibrated thickness. Especially used for controlled unilateral or bilateral interproximal enamel reduction in aligner and orthodontic treatments.



2 sides coated files



| | | | | | |
|------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Name: | G5-ProLign | G5-ProLign | G5-ProLign | G5-ProLign | G5-ProLign |
| Thickness: | 0.1 mm | 0.2 mm | 0.3 mm | 0.4 mm | 0.5 mm |
| Refill: | 3 pcs. 1 pc. | 3 pcs. 1 pc. | 3 pcs. 1 pc. | 3 pcs. 1 pc. | 3 pcs. 1 pc. |

1 side files



| | | |
|------------|-------------------|-------------------|
| Name: | G5-ProLign | G5-ProLign |
| Thickness: | 0.1 mm | 0.2 mm |
| Refill: | 3 pcs. 1 pc. | 3 pcs. 1 pc. |

| | |
|------------|---------------------------------|
| Name: | G5-UltraSoft (Polishing) |
| Grit size: | 6 µm 2 sides |
| Refill: | 3 pcs. 1 pc. |

SDC-IRS G5-ProLign Ortho Kit

Kit without hand piece



| | |
|---------------|--|
| Name: | SDC-IRS G5-ProLign Ortho Kit |
| Description: | 4 G5-ProLign files 0.1, 0.2, 0.3, 0.4 mm 2 sides 2 G5-ProLign files 0.1, 0.2 mm 1 side 1 CombiStrip file 6 µm (ultra-fine) polishing 2 sides 1 CombiStrip file 15 µm (fine) contouring 1 side 1 Measuring Gauge 5 thicknesses 5 G5-Shanks Pink (Metal HP) |
| Article Ref.: | 1000/Ortho |
| Packaging: | 1 pc. |

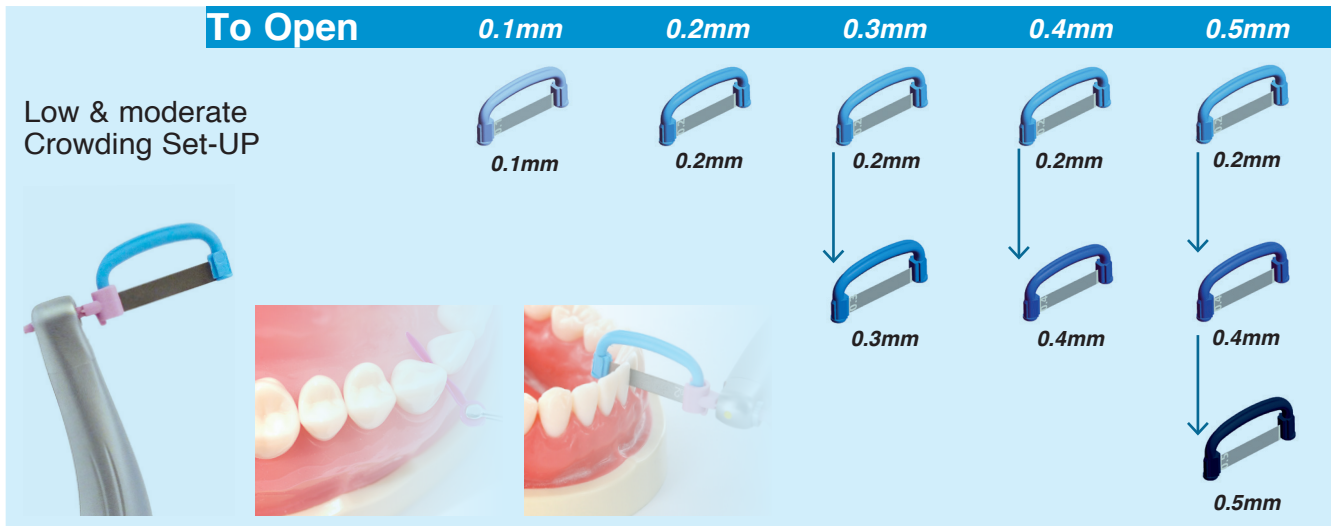
How to use step by step G5-ProLign calibrated files

Suggestion:

for opening the contact point insert a wedge at first,

open the contact point with the 0.1 mm or 0.2 mm G5-ProLign file and continue to expand the interproximal space as desired with the 0.2 mm, 0.3 mm files, etc., in ascending order, to the required width.

- Depending on the clinical situation, the widening of the contact points may be done on one or both sides
- For an accurate enamel reduction move the file back and forward continuously with a cervical movement and a slight vertical pressure



In contrast to an extraction creating large gaps, with Interproximal Enamel Reduction (IPR), the necessary reduction of enamel is split into several small gaps.

That's why it is, in principle, reasonable also to spread the IPR into several treatment sessions: firstly, to treat the easy accessible contact points and secondly, to gradually treat the remaining spaces necessary, once the actual crowding is resolved.

The flattened contact surface additionally helps reduce a possible recurrence of the problem. The black triangles occasionally occurring in the orthodontic treatment of crowded teeth (increasing interproximal spaces) maybe counteracted by targeted contour shaping.

Hand pieces with internal & external water irrigation

No noise! No vibration!

Lubrication is the Key to a long service life of your hand piece

Hand piece Maintenance

To guarantee a long service-life, please refer to lubrication techniques, sterilization and cleaning of the hand piece following manufacturer's instructions manual.

www.uk.nsk-dental.com/support/userguide.html

www.uk.nsk-dental.com/support/maintence/

www.coxotec.com



| Name: | NSK Ti Max X55 | NSK Ti Max X55L | COXO C3-11 NEW |
|----------------------------|------------------------------|------------------------------|------------------------------|
| Type: | Water | Water & Light | External irrigation |
| Stroke: | 1,4mm | 1,4mm | 1,4mm |
| Reduction: | 4:1 | 4:1 | 4:1 |
| Use with: | Air and Electric micro motor | Air and Electric micro motor | Air and Electric micro motor |
| Micro motor setting speed: | 40,000 rpm | 40,000 rpm | 40,000 rpm |
| Maximum Rotation speed: | 10,000 oscillations/pm | 10,000 oscillations/pm | 10,000 oscillations/pm |

We advise

to observe the recommended speed indicated in the table and manufacturer's instructions manual.

Do not set speed higher or lower!

For Orthodontic & Aligner treatments

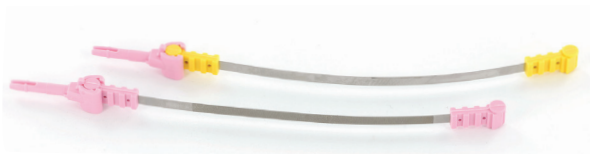
CombiStrip thin flexible diamond coated strip file for mechanical operative mode

Extra thin flexible strip with an ingenious **dual operation mode**. Excellent for high-gloss polishing of interproximal areas, enamel, composites, and cements. **Ideal smart solution for rounding off the tooth profile after proximal reduction**. Also suitable for removing overhanging sections of composite and cement.



Application:

- Ortho & aligners treatments
- Restorative treatments



| | | |
|-------------------|------------------------------------|--------------------------------|
| Name: | CombiStrip | CombiStrip |
| Grit size: | 6 µm (ultra-fine) polishing | 15 µm (fine) contouring |
| Strip height: | 2.5 mm 2 sides | 2.5 mm 1 side |
| Article Ref.: | 1800/UF | 1800/F |
| Packaging refill: | 3 pcs. | 3 pcs. |

G5-Shank

The G5-Shank system is an ISO Standard file holder for exclusively use with all G5-Instruments, Autoclavable.



| | | | |
|-------------------|--------------------------------|--------------------------------|---|
| Name: | G5-Shank (for Metal HP) | G5-Shank (for Metal HP) | G5-Shank Blue (for Oscillating Head) |
| Article Ref.: | 1990/40 | 1990/20 | FS-150/20 |
| Packaging refill: | 40 pieces | 20 pieces | 20 pieces |

SDC Premium Line

SDC-IRS G5-ProStrip Starter Kit (None calibrated files)

With hand piece

Article Ref. 1100/KIT/NSK/X55

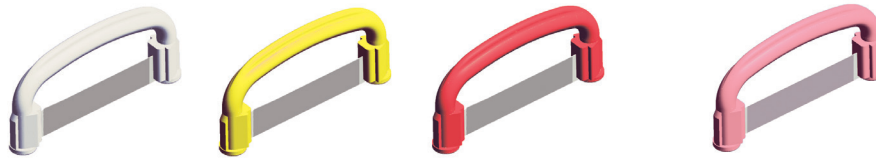


| | |
|--------------|--|
| Name: | SDC-IRS G5-ProStrip Starter Kit |
| Description: | 3 G5-ProStrip files 15, 25, 40 μ m, 2 sides |
| | 2 G5-ProStrip files 15, 25 μ m, 1 side |
| | 1 G5-UltraSoft file 6 μ m 2 sides |
| | 1 CombiStrip file 6 μ m (ultra-fine) polishing 2 sides |
| | 1 CombiStrip file 5 μ m (fine) contouring 1 side |
| | 1 Hand piece NSK Ti Max X55 with Water |
| | 1 Measuring gauge 5 thicknesses |
| | 20 G5 Shanks Pink (Metal HP) |
| | 1 Nozzle for spray lubrication |
| | 1 Extractor for some instruments |
| | 1 USB Key Instruction manual, sterilization and lubrication manual |

For Orthodontic & Aligner treatments

G5-ProStrip Interproximal reduction none calibrated files

G5-ProStrip none calibrated files are used according to the grit size for an approximate enamel reduction.
G5-UltraSoft 6 µm file is extremely important for polishing of the treated interproximal areas.



| | | | | | |
|-----------------------|--------------------|--------------------|--------------------|-------------------------------------|------------------------|
| Name: | G5-ProStrip | G5-ProStrip | G5-ProStrip | G5-UltraSoft (For Polishing) | G5-ProStrip Set |
| Grit size: | 15 µm | 25 µm | 40 µm | 6 µm | 6,15,25,40 µm |
| Article Ref. 2 sides: | 1115/3 | 1125/3 | 1140/3 | 1106/3 | 1100/S4 |
| Article Ref. 1 side: | 1115/1/3 | 1125/1/3 | 1140/1/3 | | |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. | 4 pcs. |

SDC-IRS G5-ProStrip Ortho Kit (None calibrated files)

Kit without hand piece



| | |
|---------------|--|
| Name: | SDC-IRS G5-ProStrip Ortho Kit |
| Description: | 3 G5-ProStrip files 15, 25, 40 µm, 2 sides 2 G5-ProStrip files 15, 25 µm, 1 side 1 G5-UltraSoft file 6 µm 2 sides 1 CombiStrip 6 µm (ultra-fine) polishing, 2 sides 1 Measuring Gauge 5 thicknesses 5 G5-Shanks Pink (Metal HP) |
| Article Ref.: | 1002/Ortho/ProStrip |
| Packaging: | 1 pc. |

Measuring gauge for measuring the interproximal space



| | | |
|---------------|--------------------------------------|---|
| Name: | Measuring Gauge 5 thicknesses | Measuring Gauge 9 thicknesses |
| Description: | 0.10, 0.20, 0.30, 0.40 & 0.50 | 0.10, 0.12, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40 & 0.50 |
| Article Ref.: | 1991 | 1992 |
| Packaging: | 1 pc. | 1 pc. |



The reasonable Lead-in
to controlled IPR with a budget friendly system

Benefits:

- 1. Universally suitable**
Aligner, Orthodontic and Restoration treatments
- 2. Budget friendly**
No expensive initial investments required
- 3. Risk minimizing**
safe and controlled interproximal enamel reduction
- 4. Time saving**
Cost effective through reduced work load.
- 5. Autoclavable**
For several uses.
- 6. Compatible with all SDC G5-Instruments**



The new autoclavable
Oscillating Head

The new **Fix&Strip** system connected to the cost saving autoclavable **SDC plastic oscillating head together with** all SDC G5 files allowing easy exchange of files for all treated interproximal areas.

All G5-Instruments are sterilizable and can be used for several treatment sessions

10

Benefit comparison



| | Mechanical | Manual |
|-------------------------|------------|--------|
| Removal rate | ↑ | ↓ |
| Accuracy, (feasibility) | ↑ | ↓ |
| Time saving | ↑ | ↓ |
| Space requirement | ↓ | ↑ |
| Risk of injuries | ↓ | ↑ |
| Patient comfort | ↑ | ↓ |

SDC-Ortho Fix&Strip Starter Kit

Complete starter Kit with Nose Cone 4:1

Art.FS-120/KIT



Name: **SDC-Ortho Fix&Strip Starter Kit with Nose Cone**

Description: 5 G5-ProLign files 0.1, 0.2, 0.3, 0.4, 0.5 mm 2 sides
 2 G5-ProLign files 0.1, 0.2 mm 1 side
 1 G5-UltraSoft file 6 μ m 2 sides
 1 CombiStrip files 6 μ m (ultra-fine) polishing 2 sides
 1 Measuring gauge 5 thicknesses
 20 G5-Shanks Blue (for Oscillating Head)
 1 Oscillating Head
 1 Nose Cone 4:1 reduction



SDC-Ortho Fix&Strip Intro Kit

Intro Kit without Nose Cone

Art. FS-110/KIT



Name: **SDC-Ortho Fix&Strip Intro Kit without Nose Cone**

Description: 5 G5-ProLign files 0.1, 0.2, 0.3, 0.4, 0.5 mm 2 sides
 2 G5-ProLign files 0.1, 0.2 mm 1 side
 1 G5-UltraSoft file 6 μ m 2 sides
 1 CombiStrip file 6 μ m (ultra-fine) polishing 2 sides
 20 G5-Shanks Blue (for Oscillating Head)
 1 Oscillating Head



SDC-Ortho Fix&Strip Patient Set

Patient/Refill Set

Art. FS-100/KIT



Name: **SDC-Ortho Fix&Strip Refill Kit**

Description: 3 G5-ProLign files 0.2, 0.3, 0.4 mm, 2 sides
 1 G5-ProLign files 0.1 mm 1 side
 1 G5-UltraSoft file 6 μ m 2 sides
 1 Oscillating Head
 10 G5-Shanks Blue (for Oscillating Head)

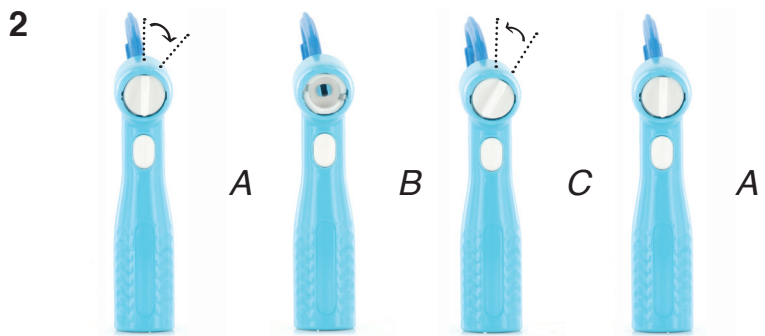
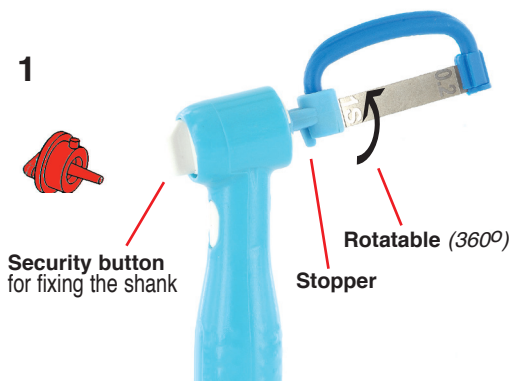


The FS-100/KIT is designed in particular for a cost effective and patient-oriented treatment. If Nose Cone is already part of your practice equipment you can use a set of files including an Oscillating Head individually for each patient at favorable conditions.

Short Handling Instruction

For *SDC Premium* Line and SDC **BASiC** Line

How to change the Shank from the Oscillating Head



Oscillating Head

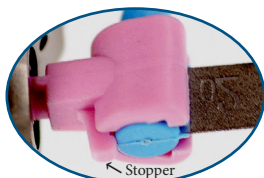
(1,2) Oscillating Head is the first semi disposable plastic head, mechanically driven with oscillating movement. The security button at the backside (2) ensures that the shank is firmly fixed in position

Changing the shank from the Oscillating Head

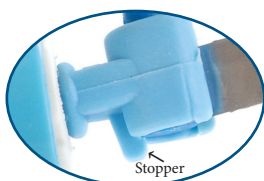
(e.g. due to wearing out) please turn the button clockwise by 45° until stop position (2A) and remove it (2B) Now you can change the shank. (2B) To fix it, insert the security button and turn it counter-clockwise (2C)

How to fit the file to the pink shank for metal HP & blue shank for Oscillating Head

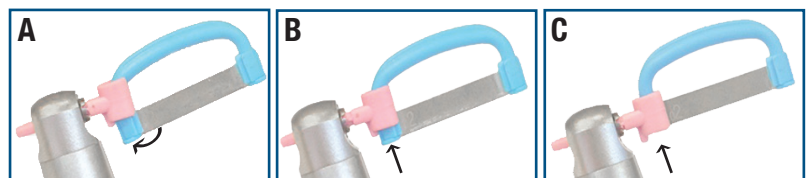
Insert the SDC-G5 shank in the handpiece head completely with the stopper reverted to the bottom. *Stopper prevents the file from slipping out!*



Pink G5-Shank is to be used with EVA reciprocating metal hand pieces



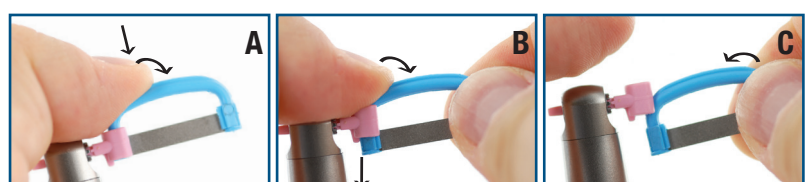
Blue G5-Shank is to be used only with SDC Oscillating Head



Fit the file: (A) by sliding the file arch up-wards from the shank bottom (B) Push the file upwards until it's blocked in place by the "click" sound (C) File is now correctly assembled and ready to use!



How to remove the file from the pink shank for metal HP & blue shank for Oscillating Head



Remove file: (A) Place thumb on the file arch, *not on the hand piece/shank jointure!* (B) With your thumb tip press arch slightly downwards until the file clicks out from shank (C) Slide out file downwards until the beginning of the arch and remove completely

1600 Starter Kit Resto

Hand piece with Water and Light
Article Ref. 1600/Kit/NSK/X55L



| | |
|--------------|--|
| Name: | SDC-IRS Resto Starter Kit |
| Description: | 3 G5-ProShape files 6, 25 & 40 μm , 1 side |
| | 1 CombiStrip 6 μm (ultra-fine) polishing 2 sides |
| | 1 CombiStrip 15 μm (fine) contouring 1 side |
| | 5 Proxocare files 6, 15, 25, 40, 60 μm , 1 side |
| | 1 G5-ProCut Serrated file, 0.1 mm |
| | 3 Dia Nano polishers (fine, medium, coarse) |
| | 1 NSK Ti Max X55L with Water & Light |
| | 20 G5-Shanks Pink (Metal HP) |
| | 1 Nozzle for spray lubrication |
| | 1 Extractor for some instruments |
| | 1 USB Key Instruction manual, sterilization and lubrication manual |

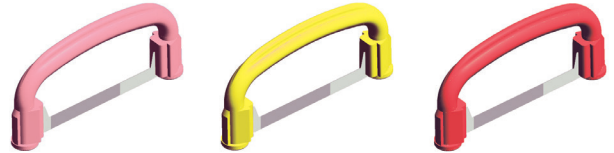
G5-ProShape With none-diamond-coated areas to prevent destruction of proximal contact areas inadvertently

Excellent tools for contouring, finishing and polishing of interproximal areas. Will also effectively remove overhanging sections of composites and cements.

G5-ProShape is a unique single-surface diamond-coated metal strip. The length of the working part of the strip is 11mm and the height 2.5mm as well as the uncoated zone to preserve the contact point.

Indications

- Contouring and finishing of proximal restoration surfaces
- Removal of overhanging sections of fillings and cement
- Finishing and trimming of proximal crown margins in gold or ceramic
- To be used with a hand piece
- Uncoated zone to preserve the contact point



| | | | |
|----------------------|--------------------------|---------------------|----------------------------|
| Name: | G5-ProShape | G5-ProShape | G5-ProShape |
| Grit size | 6 µm (ultra-fine) | 25 µm (fine) | 40 µm (medium fine) |
| Article Ref. 1 side: | 1600/UF/3 | 1600/F/3 | 1600/MF/3 |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. |

G5-ProCut

For intentionally opening of bonded proximal contact areas



| | |
|---------------|--------------------------------|
| Name: | G5-ProCut Serrated file |
| Thickness: | 0.1 mm |
| Article Ref.: | 1500/3 |
| Refill: | 3 pcs. |

1001 Resto Kit without hand piece



| | |
|---------------|---|
| Name: | SDC-IRS Resto Kit |
| Description: | 3 G5-ProShape files 6, 25, 40 µm, 1 side |
| | 1 CombiStrip 6 µm (ultra-fine) polishing, 2 sides |
| | 1 CombiStrip 15 µm (fine) contouring 1 side |
| | 5 Proxocare files 6, 15, 25, 40, 60 µm, 1 side |
| | 1 G5-ProCut Serrated file, 0.1 mm |
| | 7 G5-Shanks Pink (Metal HP) |
| Article Ref.: | 1001/Resto |
| Packaging: | 1 pc. |

Proxocare

Oscillating diamond-coated files. **Proxocare files are particularly suitable for fine preparations and polishing of proximal and concave restorations.** Remove effectively overhanging sections of composites and cements.

Benefits

- Easier access to the interproxima space as the file is thinner
- No accidental damage to adjacent teeth
- Prevention of surface wave generation (e.g. caused by rotating instruments)

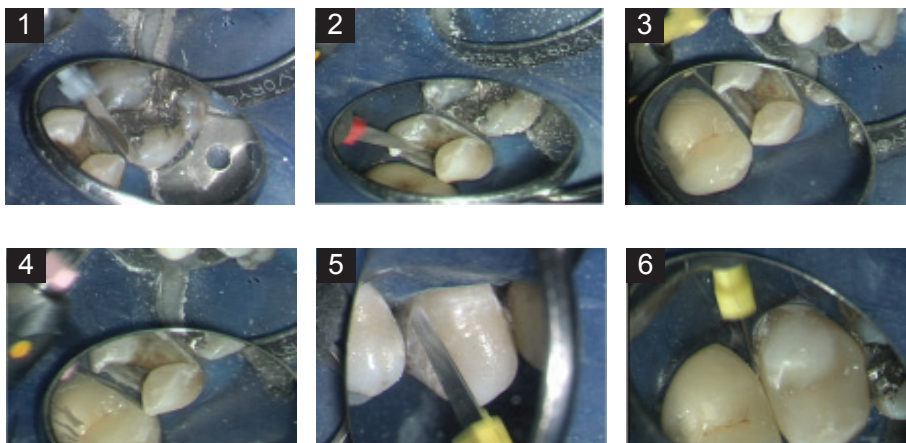
Class II restorations

Before the restoration, the 60 μ m Proxocare corrects easily the contour of an old neighboring amalgam (1)

The 40 or 25 μ m Proxocare prepare & bevel the edges of the cavity (2-3).

The Proxocare 6 μ m polishes damaged porcelain of the adjacent crown (4).

After the restoration, the different proxocare files have access to all the borders of the restoration to adjust and polish with precision, without damaging the adjacent hard or soft tissues (5-6).



Class III, IV, V restorations

The 40 to 25 μ m Proxocare files are very useful to prepare, clean & bevel the edges of the cavity before the restoration (1) and after eliminating the excesses following the tooth contour without creating irregularities like the action of a bur (2).

The final polishing can be perfectly realized with the Proxocare 6 μ m and the diamond paste (3).



| Name: | P r o x o c a r e | | | | | Set |
|-------------|-------------------|------------|------------|------------|-----------|---------|
| L in mm: | 8 | 8 | 8 | 8 | 8 | |
| Grit size: | 60 μ m | 40 μ m | 25 μ m | 15 μ m | 6 μ m | all |
| References: | 1760/3 | 1740/3 | 1725/3 | 1715/3 | 1706/3 | 1700/S5 |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. | 5 pcs. |

Refill packaging

G5-ProLign 2 sides coated files



| | | | | | |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Name: | G5-ProLign | G5-ProLign | G5-ProLign | G5-ProLign | G5-ProLign |
| Thickness: | 0.1 mm | 0.2 mm | 0.3 mm | 0.4 mm | 0.5 mm |
| Article Ref. 2 sides: | 1310/3 | 1320/3 | 1330/3 | 1340/3 | 1350/3 |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. |



| | | | | | |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Name: | G5-ProLign | G5-ProLign | G5-ProLign | G5-ProLign | G5-ProLign |
| Thickness: | 0.1 mm | 0.2 mm | 0.3 mm | 0.4 mm | 0.5 mm |
| Article Ref. 2 sides: | 1310/1U | 1320/1U | 1330/1U | 1340/1U | 1350/1U |
| Refill: | 1 piece | 1 piece | 1 piece | 1 piece | 1 piece |

G5-ProLign 1 side files



| | | | | | |
|----------------------|-------------------|-------------------|----------------------|-------------------|-------------------|
| Name: | G5-ProLign | G5-ProLign | Name: | G5-ProLign | G5-ProLign |
| Thickness: | 0.1 mm | 0.2 mm | Thickness: | 0.1 mm | 0.2 mm |
| Article Ref. 1 side: | 1310/1/3 | 1320/1/3 | Article Ref. 1 side: | 1310/1/1U | 1320/1/1U |
| Refill: | 3 pcs. | 3 pcs. | Refill: | 1 piece | 1 piece |

G5-UltraSoft polishing file



| | | |
|-----------------------|---------------------|---------------------|
| Name: | G5-UltraSoft | G5-UltraSoft |
| Grit size: | 6 µm 2 sides | 6 µm 2 sides |
| Article Ref. 2 sides: | 1106/3 | 1106/1U |
| Refill: | 3 pcs. | 1 piece |

G5-ProLign Set



| | | |
|---------------|------------------------------|---------------------------------------|
| Name: | G5-ProLign Set | G5-ProLign Set |
| Thickness: | 0.1, 0.2, 0.3, 0.4 mm | 0.1, 0.2, 0.3, 0.4 mm, 2 sides |
| Article Ref.: | 300/S4 | 6 µm UltraSoft 2 sides |
| Refill: | 4 pcs. | 1300/S7 |
| | | 7 pcs. |

Refill packaging

G5-ProStrip



| | | | |
|------------------------|--------------------|--------------------|--------------------|
| Name: | G5-ProStrip | G5-ProStrip | G5-ProStrip |
| Grit: | 15 μm | 25 μm | 40 μm |
| Article Ref 2 sides.: | 1115/3 | 1125/3 | 1140/3 |
| Article Ref one side.: | 1115/1/3 | 1125/1/3 | 1140/1/3 |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. |

G5-ProStrip Set



| | | |
|---------------|---|---|
| Name: | G5-ProStrip Set | G5-ProStrip Set |
| Grit: | 15, 25, 40 μm 2 sides 6 μm UltraSoft (Polishing) | 15, 25, 40 μm 2 sides 6 μm UltraSoft (Polishing) |
| Article Ref.: | 1100/S4 | 1100/S6 |
| Refill: | 4 pcs. | 6 pcs. |

G5-ProCut



| | |
|---------------|--------------------------------|
| Name: | G5-ProCut Serrated file |
| Thickness: | 0.1 mm |
| Article Ref.: | 1500/3 |
| Refill: | 3 pcs. |

G5-ProShape 1 side files



| | | | |
|----------------------|--------------------|--------------------|--------------------|
| Name: | G5-ProShape | G5-ProShape | G5-ProShape |
| Grit: | 6 μm ultra-fine | 25 μm fine | 40 μm medium fine |
| Article Ref. 1 side: | 1600/UF/3 | 1600/F/3 | 1600/MF/3 |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. |

G5-ProShape Set



| | |
|----------------------|------------------------|
| Name: | G5-ProShape Set |
| Grit: | 6, 25, 40 μm |
| Article Ref. 1 side: | 1600/S3 |
| Refill: | 3 pcs. |

Proxocare 1 side files



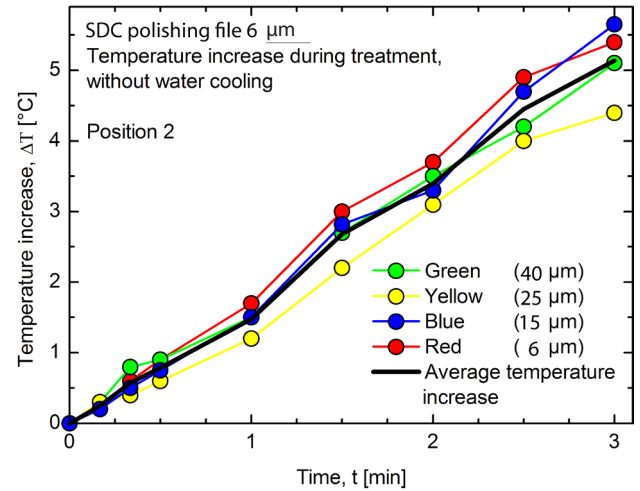
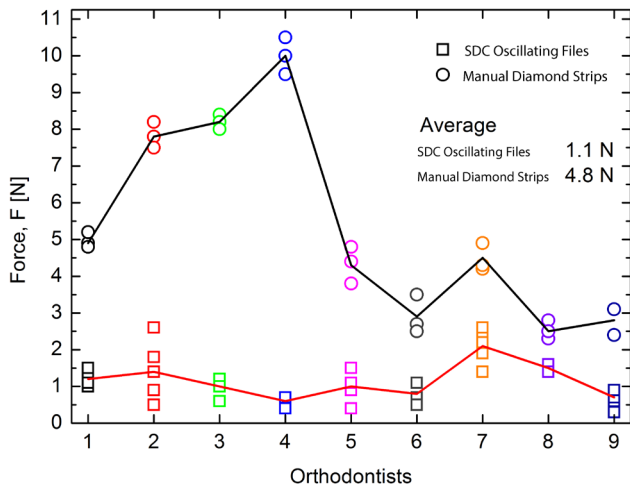
| | | | | | | |
|-------------|------------------|---------------|---------------|---------------|---------------|----------------|
| Name: | Proxocare | | | | | Set |
| L in mm: | 8 | 8 | 8 | 8 | 8 | 8 |
| Grit size: | 6 μm | 15 μm | 25 μm | 40 μm | 60 μm | all |
| References: | 1706/3 | 1715/3 | 1725/3 | 1740/3 | 1760/3 | 1700/S5 |
| Refill: | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. | 3 pcs. | 5 pcs. |

Indications for controlled minimally invasive enamel reduction treatment

- Slight to moderate crowding
- Bolton Index discrepancies
- Decrease of excessive mesio- inclinations in Upper Class II cases maintaining lower intercanine dimensions to prevent relapse
- Modification of interproximal contacts to maintain long term orthodontic stability
- Relapse checking
- Eliminating unaesthetic black triangles in gingival recession cases
- Aesthetic remodeling

Test: Pressure on tooth by stripping Results after interproximal reduction of enamel.

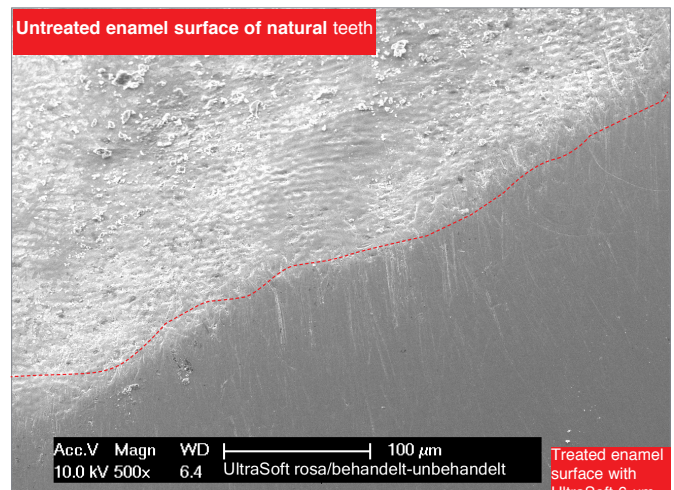
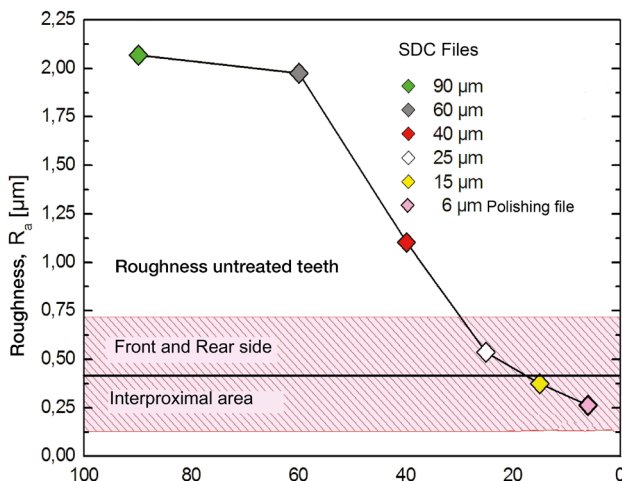
In a test series at the University of Heidelberg, 9 experienced orthodontists used manual diamond strips and oscillating diamond files to measure the pressure exerted on teeth. The pressure exerted by the oscillating diamond files was substantially lower for all subjects, which allows a substantially less strenuous treatment of patients. The graph on the right clearly shows that the final polishing with 6 μm coated oscillating files leads to harmless increases in temperature in the pulpa within the time span – maximum 1 minute – necessary to achieve a smooth, clean surface..



By courtesy of the Institute of Material Science: Technische Universität Darmstadt, Germany

Test: Enamel Roughness Results after interproximal reduction of enamel.

The Institute of Material Research of the Darmstadt Technical University [Institut für Materialforschung, Technische Universität Darmstadt] studied the surface finish of natural teeth before and after a treatment with oscillating diamond coated SDC files. In addition to scanning electron microscopy photographs (fig. on the right), the surface roughness was determined using white-light interferometry (fig. on the left). The hatched area represents the roughness of natural teeth on the anterior and posterior surfaces (upper area) or the interproximal surfaces (lower area). But while the surface structure was still clearly rougher than the untreated areas after using the roughest diamond grain (40 μm), the roughness after polishing with the substantially finer, diamond-coated UltraSoft (6 μm) was already within a range that corresponds to the smoothness of interproximal surfaces.



By courtesy of the Institute of Material Science: Technische Universität Darmstadt, Germany

Important to know !

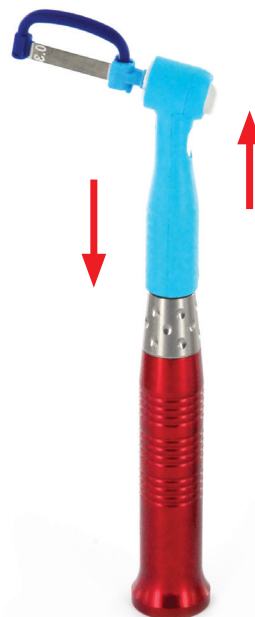
We recommend to respect these important points:



NSK Ti- Max X55 4:1
 NSK Ti- Max X55L 4:1
 COXO C3-11
 Micro motor:
40'000 rpm

Maximum Rotating Speed:
10'000 oscillations pm

Use with **Air and/or Electric** micro motor



Nose Cone 4:1
 Micro motor:
20'000 rpm

Maximum Rotating Speed:
5'000 oscillations pm

Use with **adjustable speed Air motor** and/or **Electric** micro motor

1. Always **lubricate** the hand piece before and after use
2. Set the micro motor to the indicated speed in the instructions manual **DO NOT SET SPEED HIGHER OR LOWER!**
3. With the **hand piece and file in motion enter and extract tool** from the interproximal space with a cervical movement
4. During treatment be careful with the pressure exercised **NEVER EXCEED the 3N (approx. 300g)**
5. For hand piece lubrication techniques, sterilization and cleaning follow instructions manual
<http://www.uk.nsk-dental.com/support/userguide.html>
www.uk.nsk-dental.com/support/maintenance/
www.coxotec.com
6. For files instructions for use and sterilization follow SDC user's manual
<http://www.swissdentacare.ch>

Sterilization and Hygiene recommendation

Files are currently advertised as being sterilizable for repeated use. NB: The nature of particle entrapment within the grit makes the practice of using recycled files among different patients discretionary. We advise to always sterilize the files in an autoclave with a cycle **B "prion"**. This is in compliance with the EU standard EN13060.

| Program table: | | | |
|------------------------------|----------------|-------------|----------------|
| Sterilization Cycles | B Standard 134 | B Prion 134 | B Standard 121 |
| Temperature | 135.5° C | 135.5° C | 122.5° C |
| Pressure | 2.16 bar | 2.16 bar | 1.14 bar |
| Duration of the plateau | 4' | 18' | 15' |
| Duration of the drying phase | 15' | 15' | 20' |
| Total duration: | 30'- 40' | 44'- 54' | 50'- 60' |

Place the used instruments in an ultrasonic cleaner with a special disinfectant containing a corrosion inhibitor additive.

The instruments should not be immersed too long in the solution to ensure that the color coding is not removed. Do not use highly aggressive chemical products (e.g. hydrochloric acid, hydrogen peroxide) as they could corrode the instruments.

These substances can also impair the technical properties of the plastics, i.e. change their hardness and durability.

The consumption of the instrument lifetime until it's worn out, replacement and disposal is an exclusive decision of the physician according to his operative needs.

Please consult our web page to view our company information, instruction for use and further information www.swissdentacare.ch.



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