

 **Fix&**  
**Strip**

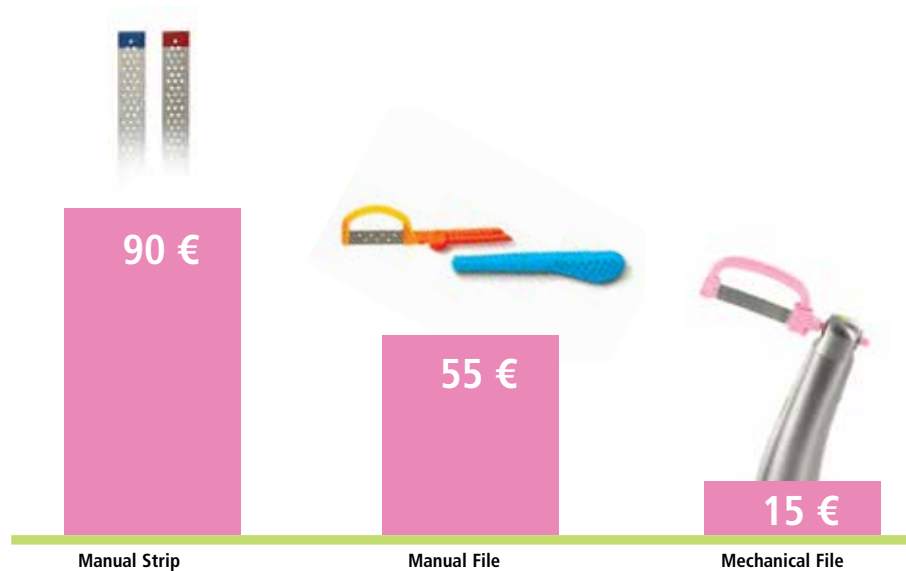


**SDC Product Line 2015**

 **SWISS**  
**dentacare**  
QUALITY DENTAL PRODUCTS

# The modern solution from Swissdentacare

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



Data are based on a university study (in vitro), where the removal rate of various grinding tools were examined<sup>1</sup>. 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<sup>2,3</sup>. Taking this data, the shown costs were calculated.

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



## Comfort profit for your patients

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

## Output Optimization

- optimized view on treatment area
- optimized control of the abrasive

1) Manfredi M., Interproximal enamel reduction: SEM ultrasound analysis of various methods; Dissertation, Universita' 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

## G5-ProLign Starter Kit.

With SIRONA hand piece

Art. 1300/Kit



### SIRONA handpiece with internal water irrigation

**No noise!  
No vibration!**

#### Handpiece Maintenance

To guarantee that the products have a long service-life, please refer to the manufacturer's instructions (included in all packaging).

#### We advise

change the max speed of your micro motor at 20-25'000 rpm.



Micromotor (T1 Line)  
ISO attachment



Micromotor (T1 Classic)  
Quick attachment



Sirona head T1 Line 11 with water  
nozzle, coupled with ProLign



Sirona head T1 Line 11 with water  
nozzle, coupled with Proxocare

Name:	SDC-Sirona 11	SDC-Sirona 11L
Article Ref.	1996	1995
Type:	Water	Water & Light
Stroke:	1,1	1,1
Reduction:	2,4:1	2,4:1

Ideal operation:	Orthodontic	Restorative
Speed:	7-8'000 rpm	7-8'000 rpm

## G5-ProLign Files New calibrated tools for Aligner Systems and fixed orthodontics

G5-ProLign strips are especially suitable for safe, precise, minimally invasive orthodontic preparations. Safe and comfortable treatment. Excellent tools with perfectly calibrated thickness strips, for controlled interproximal correction.



### 2 sides coated files



Name:	G5-ProLign	G5-ProLign	G5-ProLign	G5-ProLign	G5-ProLign
Thickness:	0.10 mm	0.20 mm	0.30 mm	0.40 mm	0.50 mm
Article Ref. 2 sides:	1310/3	1320/3	1330/3	1340/3	1350/3
Available pack. refills:	3 pcs.	3 pcs.	3 pcs.	3 pcs.	3 pcs.

### 1 side coated files



Name:	G5-ProLign	G5-ProLign	G5-UltraSoft (ultra fine)	Refill Packaging
Thickness:	0.10 mm	0.20 mm	0.09 mm 2 side coated	
Article Ref. 1 side:	1310/1/3	1320/1/3	1106/3	
Available pack. refills:	3 pcs.	3 pcs.	3 pcs.	3 pcs.

## SDC-CombiStrip thin flexible diamond coated strip with mechanical operative mode

Extra thin flexible strip with an ingenious **dual operation mode**. Excellent for high-gloss polishing of interproximal areas and subgingival surfaces, 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 field:

- Ortho & aligners
- Restorative

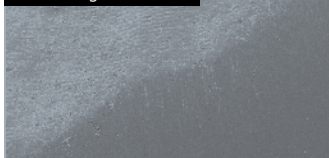


Name:	CombiStrip	CombiStrip
Strip height:	2.5 mm 2 side coated	2.5 mm 1 side coated
Grid:	ultra-fine	fine
Article Ref.:	1800/UF	1800/F
Packaging refills:	3 pcs.	3 pcs.

## SDC-PolySoft High-gloss polishing after interproximal reduction, restorations, or for prophylaxis treatments

PolySoft is a thin polyester strip with ultra-fine abrasive coating on one side. Excellent for high polishing and finishing of interproximal areas and subgingival surfaces, will effectively high-gloss enamel, composites, and cements.

SEM enlargement 500x



SEM enlargement 2000x



Name:	PolySoft	PolySoft
Grid: µm	Extra - Fine	Fine
Article Ref.:	1209/25	1215/25
Available packaging refills:	25 pcs.	25 pcs.

SEM picture: Untreated enamel surface and treated surface with PolySoft 15 micron All pictures by courtesy of the Institute of Material Science: Technische Universität Darmstadt, Germany

## SDC-G5-ProStrip Interproximal reduction strips with separate shank, for more flexibility.

The click mechanism allows the bendy file to be attached and removed really quickly and easily.



Refill Packaging

Name:	G5-ProStrip	G5-ProStrip	G5-ProStrip
Grid: $\mu\text{m}$	15	25	40
Article Ref. 2 sides:	1115/3	1125/3	1140/3
Article Ref. 1 side:	1115/1/3	1125/1/3	1140/1/3
Available pack. refills:	3 pcs.	3 pcs.	3 pcs.

## SDC-G5 & OHead Shank Universal Shank for G5 Instruments.

The G5-Shank is a newly developed universal blade holder for use in combination with all G5 instruments. Autoclavable.



Name:	G5-Shank	G5-Shank	G5-Shank Ohead
Article Ref.:	1990/40	1990/20	FS-150/20
Available pack. refills:	40 pieces	20 pieces	20 pieces

## Orthofile Standart diamond coated files.

2 side coated Orthofile



Name:	Orthofile	Orthofile	Orthofile	Orthofile	Orthofile	Orthofile Set	OrthoCut
Grid $\mu\text{m}$ :	15	25	40	60	90	15, 25, 40, 60, 90	Saw
Article Ref.:	9015/3	9025/3	9040/3	9060/3	9090/3	9000/S5	9001/3
Available pack. refills:	3 pcs.	3 pcs.	3 pcs.	3 pcs.	3 pcs.	5 pcs.	3 pcs.

## SDC-Measuring gauge



Name:	Measuring Gauge 5	Measuring Gauge 9
Description:	5 thicknesses to measure the IPR space	9 different thicknesses
Article Ref.:	1991	1992
Available packaging:	1 pc.	1 pc.



# The reasonable Lead-in to controlled enamel correction

**Benefits:**

- 1. Universally suitable**  
Orthodontic and restorative treatment as well as prophylaxis
- 2. Budget protecting**  
No expensive initial investments required
- 3. Risk minimizing**  
well directed enamel correction combined with reduced injury risk
- 4. Time saving**  
Cost effective through reduced work load.
- 5. Autoclavable**  
To use for several times.
- 6. Compatible with all SDC G5-Instruments**



The new autoclavable **SDC-Oscillating Head**

**No costly equipment required** changeable, calibrated G5-ProLign files, connected to the costsaving **autoclavable plastic oscillating Head.**

The new Fix & Strip system with a plastic material Head with oscillating movement will provide you the most economic system for all your treatments in the interproximal zone.

**NEW: SDC-Fix&Strip 1 Patient Kit.**

Art. FS-130/Kit



**1-Patient-Set** is designed in particular for a cost-effective and patient-oriented treatment.

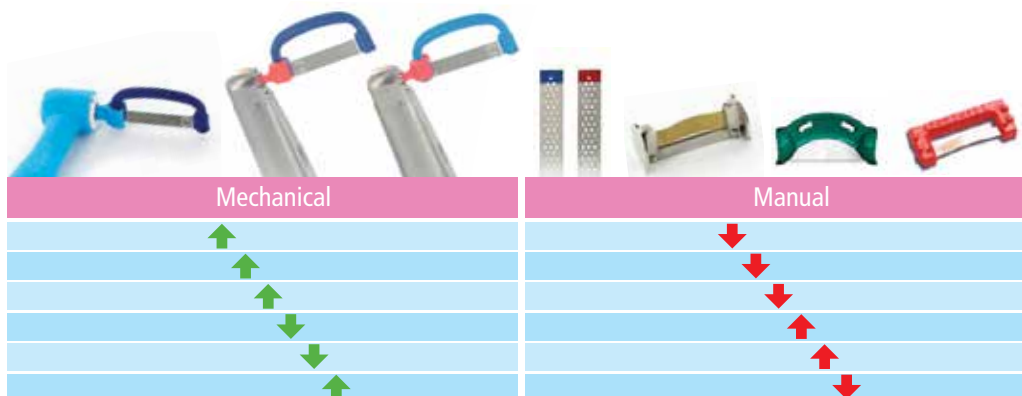
If Nose Cone is already part of your practice equipment you can use a set of files including an oscillating OHead individually for each patient at specially favourable conditions.

**The 1-Patient-Set** includes (with OHead)

- 1 File** (red) for Correction of enamel
- 1 File** (white) for Contouring and Finishing
- 1 File** (pink) for Polishing

All instruments are sterilizable and can be used for several treatment sessions.

**Benefit comparison**



## SDC-Fix&Strip Starter Kit.

Complete starter Kit with Nose Cone 4:1

Art.FS-120/Kit



## SDC-Fix&Strip Intro Kit.

Complete Intro Kit without Nose Cone

Art. FS-110/Kit



## SDC-Fix&Strip Refill Kit.

Refill Kit

Art. FS-100/Kit



**SDC-Debonding Kit** Safe removal of adhesive and brackets without damage to the natural tooth structure.

Residues after bracket usage can be removed economically and particularly safely in comparison to the conventional removal techniques of adhesive or cement residues using diamond rotary or metallic instruments. Whereas there is always the risk of damaging the natural tooth struc-

ture with diamond rotary or metallic instruments, this is eliminated owing to the hardness of the abrasive grit impregnated into the remover. The microgrid acts definitively and is embedded in a hard synthetic rubber matrix. Safe and economical removal of adhesive residues is possible in a few minutes.



<b>Set name:</b>	SDC-Debonding-Kit			
<b>Article Ref.:</b>	2000/Set			
<b>Shank type:</b>	314	204	204	204
<b>Shape:</b>	379	2002/12	2003/12	2169/6
<b>Size (mm)</b>	023	050	045	045
<b>length mm:</b>	4,2	8	6	6
<b>Packaging refills:</b>	5 pcs.	12 pcs.	12 pcs.	6 pcs.

*Recommendation how to start with calibrated files*

**Instruction for Targeted proximal enamel correction for orthodontic treatment with new one patient oscillating head.**

**Suggestion:**

*for easier contact point correction insert a wedge at first,* resolve contact point with the 0.1 mm or 0.2 mm G5-ProLign, expand the interproximal spaces as desired with the 0.2 mm, 0.3 mm files, etc., in ascending order, to the desired width.

- Depending on the clinical situation, the widening of the contact points may be done on one or both sides.
- For enamel correction move the strip back and forward continuously with slight vertical pressure.

**How to treat step by step with ProLign calibrated strips**

**Low & moderate Crowding Set-Up**

Oscillating Head

**To open**

0.1mm

**0.2mm**

0.2mm

**0.3mm**

0.3mm

**0.4mm**

0.4mm

**0.5mm**

0.5mm

Wedge: easier contact point opening

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

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

The flattened contact surface additionally help 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 polishing of enamel.

## Working and coping with handpieces and Nose Cone

### User informations

- Observe the recommended speed indicated in the table below and on package.

- Full speed should be reached outside the mouth of the patient.



Our instruments works with all Universal ISO motor attachment.



**Sirona Hand Piece** 2,4:1  
 Micromotor: \_\_\_\_\_  
**20/25'000 rpm**  
 Ideal operation speed: \_\_\_\_\_  
**7-8'000 rpm!**



**Nose Cone** 4:1  
 Micromotor: \_\_\_\_\_  
**20/25'000 rpm**  
 Ideal operation speed: \_\_\_\_\_  
**5'000 rpm!**



**Nose Cone** 1:1  
 Micromotor: \_\_\_\_\_  
**5'000 rpm only!**  
 Ideal operation speed: \_\_\_\_\_  
**max 5'000 rpm!**

1



The Oscillating Head (1,2) is the first semi-disposable plastic-tool for mechanically driven oscillating instruments.

The security button at the backside (2) ensures that the shank is firmly fixed in the head.



2

### For changing a shank

(e.g. due to wearing out) please turn the button clockwise by 45° (2A) and remove it. (2B) Now you can change the shank. (2B)

To fix it again insert the security button and turn it counter-clockwise. (2C)

At the bottom side of the shank there is a little stopper which prevents the strip from slipping out.

### To fit the strip to the shank (for both, blue and Pink shank, with all G5 Instruments)

At the bottom side of the shank there is a little stopper which prevents the strip from slipping out (3A).

Push the strip from the bottom side into the shank (3B) till it clicks fit.

Correctly fitted strip in final position (3C).

3



### To remove the strip from the shank (for both, blue and Pink shank, with all G5 Instruments)



Ideal start hand position



Push down the strip with your finger (4).

Push down till it clicks out (5).

## SDC-G5-Proxocare

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

### Benefits

- Easier access to the interproximal space as the file is thinner
- No iatrogenic damage to adjacent teeth
- Prevention of surface wave generation caused by rotating burs

### Class II restorations

Before the restoration, the 60µm Proxocare corrects easily the con-tour of an old neighbouring amalgam (1)

The 40 or 25µm Proxocares prepares & bevels the edges of the cavity (2-3).



The Proxocare 6µm 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 tissues hard and soft (5-6).



### Class III, IV, V restorations

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

The final polishing is perfectly realized with the Proxocare 6µm and the SDC diamond paste (3).



Name:	G5-Proxocare					Set
L in mm:	60	40	8.5	15	6	all
Grain in µm:	1760/3	1740/3	1725/3	1715/3	1706/3	1700/55
References:	1760/3	1740/3	1725/3	1715/3	1706/3	1700/55
Available packaging refills:	3 pcs.	3 pcs.	3 pcs.	3 pcs.	3 pcs.	5 pcs.

## SDC G5-ProShape Non-diamond-coated areas to prevent destruction of proximal contact areas inadvertently

Excellent tools for contouring, finishing and polishing of interproximal areas and subgingival surfaces, will effectively remove overhanging sections of composites and cements. G5-ProShape is a unique single-surface diamond-coated metal strip. The strip height (2.5mm) as well as the uncoated zone 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
- Can be used with a handpiece
- Uncoated zone to preserve the contact point



Name:	G5-ProShape	G5-ProShape	G5-ProShape
Thickness:	0.09 mm	0.15 mm	0.20 mm
Grid	ultra fine	fine	medium fine
Article Ref. 1 side:	1600/UF/3	1600/F/3	1600/MF/3
Available packaging refills:	3 pcs.	3 pcs.	3 pcs.

## G5-ProCut

For opening inadvertently bonded proximal contact areas



Name:	G5-ProCut
Article Ref.:	1500/3
Available packaging refills:	3 pcs.

## User Informations - Hygiene Recommendations

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 always to sterilize the files in an autoclave with a cycle **B "prion"**. This is in compliance with the EU standard EN13060.

**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 colour 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.**

Programme 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'



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