



SWISS
dentacare[®]
QUALITY DENTAL PRODUCTS



orthodontic

restorative

prophylaxis

SDC Product Line 2016

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



Improved comfort 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, 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



G5-ProLign Starter Kit.

With handpiece

Art. 1300/Kit/NSK/X55 NSK Ti Max X55, water

NEW



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 instructions of use in manufacturer's web page.
(www.sirona.com / www.nsk.com)

We advise

to observe the recommended speed indicated in the table below and manufacturer's instructions of use.



Micromotor (T1 Line)
ISO attachment



Name:	NSK Ti Max X55
Article Ref.	1972
Type:	Water
Stroke:	1,4mm
Reduction:	4:1

Micromotor setting speed:	40'000 rpm
Recommended max. speed:	10'000 rpm

For Orthodontic & Aligner treatments

G5-ProLign Files calibrated files 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 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
Packaging. refills:	3 pcs.	3 pcs.	3 pcs.	3 pcs.	3 pcs.

1 side coated files



Name:	G5-ProLign	G5-ProLign	G5-UltraSoft (ultra fine)	G5-ProLign Set
Thickness:	0.10 mm	0.20 mm	0.09 mm 2 sides coated	0.1,0.2,0.3,0.4 mm 2 sides coated
Article Ref. 1 side:	1310/1/3	1320/1/3	1106/3	1300/S4
Packaging. refills:	3 pcs.	3 pcs.	3 pcs.	4 pcs.

SDC-CombiStrip thin flexible diamond coated strip 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 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-Measuring gauge



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

SDC-G5 Shank for G5 Instruments.

The SDC-G5 Shank is a file holder for use exclusively with all G5 instruments. Autoclavable.



Name:	G5-Shank	G5-Shank
Article Ref.:	1990/40	1990/20
Packaging refills:	40 pieces	20 pieces

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

PolySoft is a thin polyester strip with ultra-fine abrasive coating on one side. Excellent for high polishing and finishing of interproximal areas.



Name:	PolySoft	PolySoft
Grid: μm	Extra - Fine	Fine
Article Ref.:	1209/25	1215/25
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

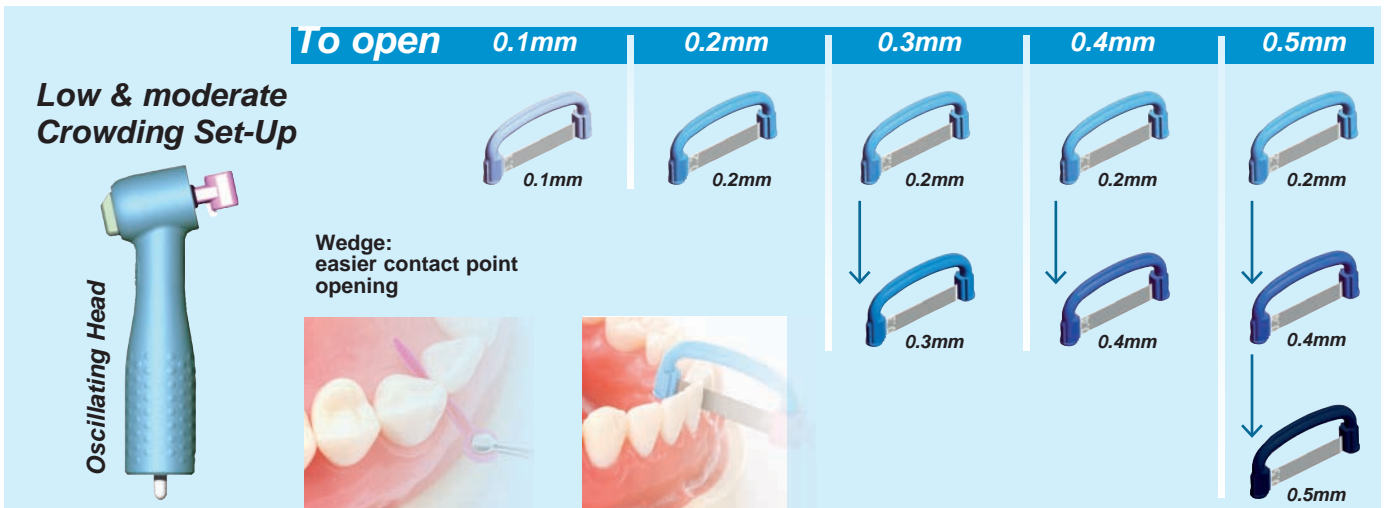
Instruction for targeted interproximal enamel reduction for orthodontic and aligner treatments

Suggestion:

for easier contact point reduction 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 reduction move the strip back and forward continuously with slight vertical pressure.

How to use step by step ProLign calibrated files



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 points of contact 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.

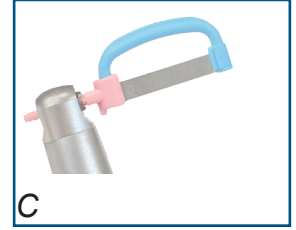
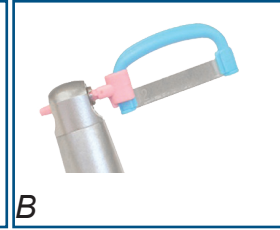
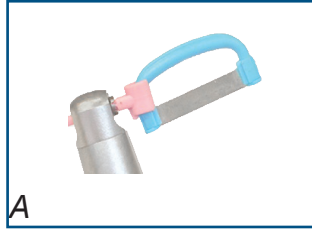
Short Handling Instruction

To fit the strip to the shank with all G5 Instruments

Push the strip from the bottom side into the shank (3A) until it clicks in place (3B).

Correctly fitted strip in final position. At the bottom side of the shank is a little stopper which prevents the strip from slipping out (3C)

3



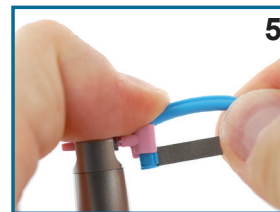
To remove the strip from the shank (for both, blue and Pink shank, with all G5 Instruments)



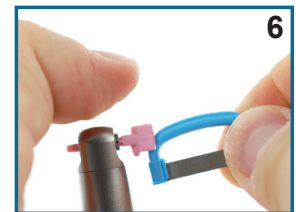
Ideal start hand position



Push down the strip with your finger (4)



Push down the strip from shank till it clicks out (5)



Correctly removed strip from the shank (6).

Important to know !

We recommend to respect this 3 important points:

1. Do not **exceed** the recommended working speed! (see table below)
2. Always **lubricate** your handpiece after each use
3. Do not attempt to disassemble the handpiece nor tamper with the mechanism



NSK Ti- Max X55 4:1
Micromotor:
40'000 rpm
Rec.working speed:
10'000 rpm max.

Our handpieces work with all Universal ISO motor attachments.
For further information please download operation manuals for NSK at www.nsk-dental.com.

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.

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.

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'

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