



Podology abrasive caps and
abrasive cap carriers



The world's first
innovative colour change
technology!

Thermo abrasive cap
with 2-step colour-coded warning

User-friendly, customer-oriented, innovative, and flexible: LUKAS- Specialist for podology abrasive caps and abrasive cap carriers

The LUKAS value proposition: „Always the right tool“

Our value proposition has been valid for more than 80 years. To this day, we are an owner-operated family business with 650 employees at several production sites equipped with state-of-the-art technology. Utilizing our long-standing experience, we develop innovative solutions and produce the high-quality tools that lead to LUKAS' excellent international reputation as a podology specialist.

LUKAS expertise

With its registered patents, LUKAS can justly be called a leader in podology tool technology. Through ongoing cooperations with podologists and podology schools, we learn about the daily business and challenges of this profession, and directly apply this knowledge to our product development.

As a result, we develop user-friendly, customer-oriented products that fulfil the requirements of the medical product law (MPG).

LUKAS Quality

Quality is our every-day guiding principle, embodied in the reproducible, excellent quality of LUKAS tools. We only use first-class raw materials. Our quality management follows the strict DIN ISO 9001:2015 rules. With the CE-mark, we prove that our tools have successfully passed a conformity assessment procedure and are compliant with the legal requirements for medicinal products. LUKAS is your reliable partner, providing safety and security.

LUKAS service

We speak plain language, no technical jargon. As your equal partner, we help you choose the right tool. Enjoy technical innovation and save time and cost. LUKAS keeps the promise of maintaining high product quality and short delivery times thanks to a careful warehousing strategy.



LUKAS abrasive caps and cap carriers for podological applications (right: carriers still in development)

„I am really convinced by LUKAS podology abrasive caps because they allow efficient, easy, and gentle treatment. My customers are equally enthusiastic, and happy to recommend me.“

Maria Vlekke
Podologist, Troisdorf, Germany



What are the benefits of our podology abrasive caps compared to milling tools, diamond cutters, and scalpels?

The abrasive cap exceeds the features and benefits of other podology tools in many ways:

- The LUKAS abrasive cap is offered at a significantly better price compared to milling tools and diamond cutters.
- The LUKAS podology cap is available in a variety of sizes, shapes, and qualities, providing a precisely fitting tool for every application. Treatments are faster and more precise.
- Cleaning of the abrasive cap is not required, saving time and effort.
- The single-use, hygienic caps prevent contamination, making the patient feel comfortable and safe.
- There is no risk of cut injuries, as with a scalpel.
- Diabetes patients feel better and more secure during a foot treatment with abrasive caps. Even with a reduced sensation of temperature and pain, and impaired wound healing, no issues or injuries occur during the treatment.



When combined with the LUKAS abrasive cap carriers, the cap has a precise fit. During the treatment, the cap sits tightly on the carrier. After use, it can be exchanged easily.



Hygienic protection thanks to the non-stick effect

The best way to efficient and gentle podological treatment and medical foot care!

Thanks to its state-of-the-art technology, the orange-coloured LUKAS-PODO abrasive cap is significantly more efficient than comparable instruments. The result: Callus removal is remarkably faster and gentler, leaving wonderfully smooth and beautiful skin.

When working with the PODO abrasive cap, it suffices to exert just a slight pressure. As a consequence, there is less damage to the treated skin area—a relief for the patient. The non-stick effect greatly reduces attachment of skin residues to the cap surface. Even large quantities of callus can be removed without exchanging the tool, an often tedious, time-consuming procedure.

The LUKAS abrasive cap carrier provides a precise fit to the abrasive cap and ensures that the cap is held firmly in place during the treatment. It is easily removed and exchanged when needed. Please note that the cap only retains its CE conformity status when used with a CE-conforming carrier.

+ Further benefits:

Easier and faster treatment

The corundum particles are available in three qualities, all of which are significantly more effective than comparative tools.

Gentler use

The abrasive caps need only slight pressure. This enables fatigue-free work and reduces stress to the skin.

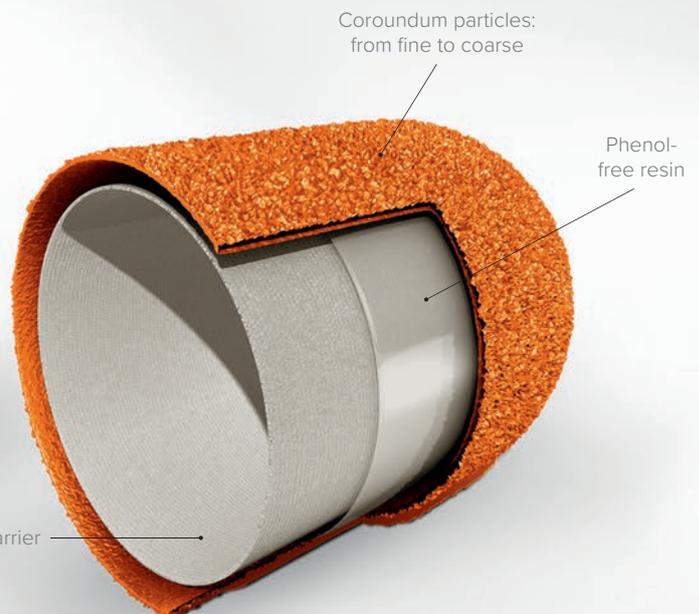
Non-stick effect

The non-stick effect avoids the unhygienic attachment of skin residuals to the cap surface that are tedious to remove.

New!



LUKAS-PODO abrasive cap



SK PODO, round Ø 5 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21100052080	SK PODO 5 mm round	coarse	7.000 – 10.000 (max. 11.000)	5 x 10*
		A21100052150	SK PODO 5 mm round	medium	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100052320	SK PODO 5 mm round	fine	7.000 – 10.000 (max. 11.000)	5 x 10

SK PODO, round Ø 7 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21100072080	SK PODO 7 mm round	coarse	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100072150	SK PODO 7 mm round	medium	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100072320	SK PODO 7 mm round	fine	7.000 – 10.000 (max. 11.000)	5 x 10

SK PODO, round Ø 10 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21100102080	SK PODO 10 mm round	coarse	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100102150	SK PODO 10 mm round	medium	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100102320	SK PODO 10 mm round	fine	7.000 – 10.000 (max. 11.000)	5 x 10

SK PODO, round Ø 13 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21100132080	SK PODO 13 mm round	coarse	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100132150	SK PODO 13 mm round	medium	7.000 – 10.000 (max. 11.000)	5 x 10
		A21100132320	SK PODO 13 mm round	fine	7.000 – 10.000 (max. 11.000)	5 x 10

* Every box contains 5 PE bags with 10 abrasive caps each.

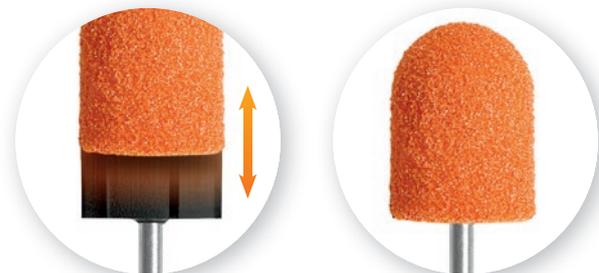
SK PODO, round Ø 16 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21100162080	SK PODO 16 mm round	coarse	7.000–10.000 (max. 11.000)	5 x 10
		A21100162150	SK PODO 16 mm round	medium	7.000–10.000 (max. 11.000)	5 x 10
		A21100162320	SK PODO 16 mm round	fine	7.000–10.000 (max. 11.000)	5 x 10



Precise abrasive cap carriers for an exact fit

The SK PODO fits precisely on the LUKAS abrasive cap carriers, allowing it to unfold its full performance. During the treatment, the cap sits tightly on the carrier. After use, it can easily be exchanged.



See page 13 for matching abrasive cap carriers

Colour-change technology for gentle protection



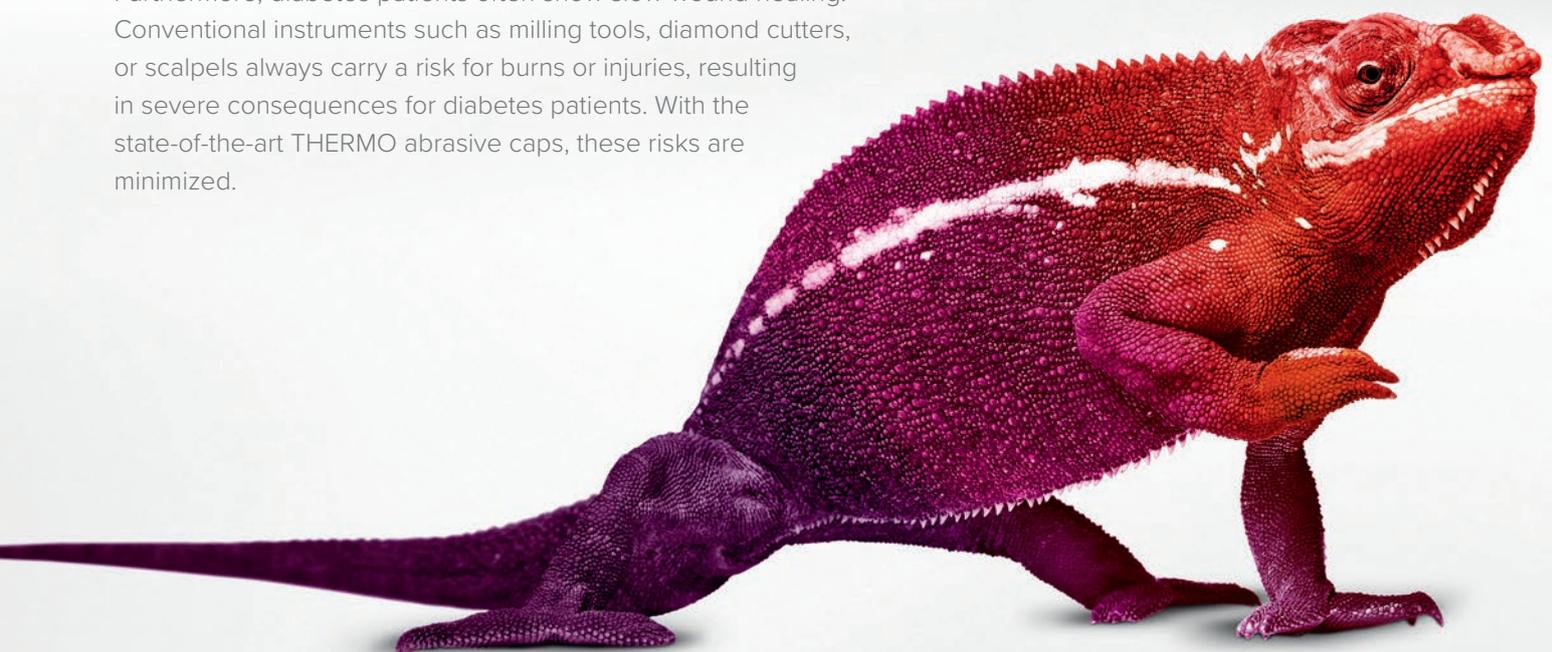
Finally available: A safe medical foot care

As an innovative, international manufacturer, LUKAS employs the advanced „thermo effect“ technology to its abrasive caps: The patented colour change immediately signals a potential danger of overheating. Users and patients gain an enhanced level of safety in podology and foot care.

With the colour-change technology, the colour change occurs in two steps to provide a timely warning of potential skin overheating. The user can react immediately by reducing the pressure, choosing a different skin area or briefly interrupting the treatment. The patient experiences a comfortable treatment without any tingles or pain. The risk of skin damage due to overheating is almost eliminated.

Diabetes patients will particularly embrace this technological progress in medical foot care / podology, as they often suffer from neuropathy, leading to a reduced perception of temperature and pain. In the worst case, neither the user nor the patient may notice the high abrasive temperature early enough during the treatment, risking injuries or burns.

Furthermore, diabetes patients often show slow wound healing. Conventional instruments such as milling tools, diamond cutters, or scalpels always carry a risk for burns or injuries, resulting in severe consequences for diabetes patients. With the state-of-the-art THERMO abrasive caps, these risks are minimized.



The world's first

*innovative colour-change
technology!*

⊕ Further benefits:

Faster and more efficient treatment

Compared to conventional abrasive caps and instruments, the SK THERMO abrasive cap renders the treatment faster, more efficient, and gentler.

Better abrasion performance without cap replacement

Thanks to the anti-stick effect, attachment of skin particles to the cap surface is significantly reduced, and large quantities of callus can be removed with a single abrasive cap.

Sustainable, well-tolerated and eco-friendly

The use of food dyes, phenol- and formaldehyde-free resins, and organic cotton in the production of our abrasive caps reduces skin irritation and environmental damage.

2-step warning



**Thermo effect with
two-step warning sign**

The integrated thermo effect uses a colour change of the abrasive cap as a warning of overheating and potential skin damage.

SK THERMO, round Ø 5 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21080052080	SK THERMO 5 mm round	coarse	7.000–10.000 (max. 11.000)	5 x 10*
		A21080052150	SK THERMO 5 mm round	medium	7.000–10.000 (max. 11.000)	5 x 10
		A21080052320	SK THERMO 5 mm round	fine	7.000–10.000 (max. 11.000)	5 x 10

SK THERMO, round Ø 7 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21080072080	SK THERMO 7 mm round	coarse	7.000–10.000 (max. 11.000)	5 x 10
		A21080072150	SK THERMO 7 mm round	medium	7.000–10.000 (max. 11.000)	5 x 10
		A21080072320	SK THERMO 7 mm round	fine	7.000–10.000 (max. 11.000)	5 x 10

SK THERMO, round Ø 10 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21080102080	SK THERMO 10 mm round	coarse	7.000–10.000 (max. 11.000)	5 x 10
		A21080102150	SK THERMO 10 mm round	medium	7.000–10.000 (max. 11.000)	5 x 10
		A21080102320	SK THERMO 10 mm round	fine	7.000–10.000 (max. 11.000)	5 x 10

SK THERMO, round Ø 13 mm

Product picture	1:1	Product number	Description	Quality	Recommended speed/rpm	
		A21080132080	SK THERMO 13 mm round	coarse	7.000–10.000 (max. 11.000)	5 x 10
		A21080132150	SK THERMO 13 mm round	medium	7.000–10.000 (max. 11.000)	5 x 10
		A21080132320	SK THERMO 13 mm round	fine	7.000–10.000 (max. 11.000)	5 x 10

* Every box contains 5 PE bags with 10 abrasive caps each.

SK THERMO, round Ø 16 mm

Product picture	1:1	Product number	Description	Quality	empf. Drehzahl U/min	
		A21080162080	SK THERMO 16 mm round	coarse	7.000 – 10.000 (max. 11.000)	5 x 10
		A21080162150	SK THERMO 16 mm round	medium	7.000 – 10.000 (max. 11.000)	5 x 10
		A21080162320	SK THERMO 16 mm round	fine	7.000 – 10.000 (max. 11.000)	5 x 10

Precise abrasive cap carriers for an exact fit

The SK THERMO fits precisely on the LUKAS abrasive cap carriers, allowing it to unfold its full performance. During the treatment, the cap sits tightly on the carrier. After use, it can easily be exchanged.



See page 13 for matching abrasive cap carriers

Abrasive cap carriers: precise – exact fit – safe

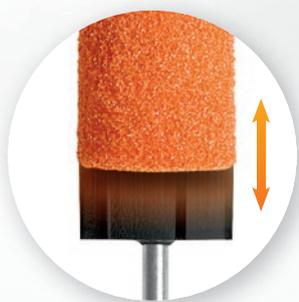
The LUKAS abrasive cap carriers GT PODO provide a precise fit to the abrasive cap and ensure high safety in medical foot care. During the treatment, the cap is held firmly in place on the carrier. After use, it is easily and quickly exchanged.

All LUKAS GT PODO abrasive cap carriers feature a stainless steel shaft and are CE-marked.

LUKAS abrasive cap carrier GT PODO



Abrasive cap carriers: Exact fit to LUKAS abrasive caps



CE The CE mark confirms that our tools have successfully passed a conformity assessment procedure, and are compliant with the legal requirements for medical products.

Abrasive cap carriers GT PODO

Product picture	1:1	Product number	Description	Recommended speed/rpm	
		A251000522	GT PODO 5 mm round	7.000–10.000 (max. 11.000)	5 x 1*
		A251000722	GT PODO 7 mm round	7.000–10.000 (max. 11.000)	5 x 1
		A251001022	GT PODO 10 mm round	7.000–10.000 (max. 11.000)	5 x 1
		A251001322	GT PODO 13 mm round	7.000–10.000 (max. 11.000)	5 x 1
		A251001622	GT PODO 16 mm round	7.000–10.000 (max. 11.000)	5 x 1



Case studies and expert tips

LUKAS quality instruments for demanding foot care applications

For patients suffering from diabetes mellitus and neuropathy, as well as for elderly patients with thinning skin, choice of foot care instruments is particularly essential. The tools must work both efficiently and gently. In addition, they must not carry a risk for foot injuries.

The LUKAS SK PODO and SK THERMO abrasive caps and the GT PODO abrasive cap carrier fully meet these high demands.

All you need for an effective and gentle treatment

LUKAS offers instruments suitable for all treatment purposes. Coarse grits and large cap diameters remove thick callus layers; medium and fine grits are optimal for subsequent polishing. Caps with medium-sized diameters are best suited for removal of medium to thin callus layers. The smallest cap diameters are used for toes, toe tips and difficult to reach areas.

The PODO abrasive cap needs significantly less pressure than conventional tools. LUKAS also provides the ideal solution for issues related to friction effects and associated heat generation: the novel SK THERMO abrasive cap. Through a colour change, the cap immediately gives a warning if the temperature gets too high. In addition, the GT PODO cap carrier partly dissipates the heat. Especially for diabetes patients, this is a clear benefit! Inversely, the Thermo warning signal prevents unwanted overstimulation of the foot nerves of extremely sensitive patients.

Treatment of diabetes patients with LUKAS podology products

The so-called diabetic foot presents a particular challenge in podology. After years of suffering from diabetes, foot blood vessels and nerves often become damaged, resulting in impaired blood circulation and numbness. The reduced blood flow contributes to slow wound healing. There are many variations of the diabetic foot syndrome, ranging from tiny injuries through fungus attacks to severe damage of tissue areas that may eventually lead to an amputation.

Common practical diabetic foot issues

Because of their impaired sensitivity, diabetes patients often do not notice smaller injuries. Especially small wounds or cuts at the sole of the foot or between the toes are easily overlooked. This can result in irreversible tissue damage and even to a complete loss of individual toes or the entire foot.

Here, podology in collaboration with medical doctors can have a very positive effect and help prevent aggravations.



Why diabetes foot care has to be extremely gentle

Diabetes patients need a particularly careful, complex podological treatment. The impaired sensitivity caused by neuropathy of the diabetic foot can result both in a decrease of perception, or in an overstimulation. Through the podology training required for the state examination, every podologist obtains medical knowledge about the development and the relevance of the diabetic foot syndrome. This ensures that the podological complex treatment is performed skillfully, efficiently, and gently. Choice of the right instrument is equally important. The LUKAS products for podological treatment meet these high demands. LUKAS provides a suitable product variant for every foot issue.



The LUKAS-Podological expert team

The LUKAS podology products are designed by product developers and customer experts together with an external expert advisor.



Dr. Gerd Fischer



Andrea Bittner



Georg Klug



Dr. Sebastian Schwark



Christian Pallesche



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abrasive cap carriers

LUKAS-ERZETT Vereinigte Schleif- und
Fräswerkzeugfabriken GmbH & Co. KG
Gebrüder-Lukas-Straße 1
51766 Engelskirchen (Germany)
Fon +49 2263 84-0
Fax +49 2263 84-327 (Domestic Sales)
Fax +49 2263 84-300 (International Sales)
le@lukas-erzett.de

Sole UK & Ireland distributor:

 **KAYSON GREEN**

**Kayson Green Limited - 3 Clough Road, Severalls Business Park, Colchester,
Essex, CO4 9QS, United Kingdom**

T: +44 (0)1206 751500

F: +44 (0)1206 751212

E: sales@kaysongreen.co.uk

W: www.kaysongreen.co.uk

www.lukas-podological.com