

Flexfin Skiving heat sinks.



„Flexible cooling in one piece. Our Flexfin Skiving heat sinks.“

Where classic heat sink construction reaches its limits, Flexfin finned heat sinks open up unimagined freedom.

Compact and flexible

The best cooling in the smallest space - some would like to take a leaf out of our book, but Flexfin Skiving heat sinks are only available in one piece.

The individual heat sink fins are connected directly to the base without any transition. The base and fins of the Flexfin Skiving heat sinks form a thermal unit.

The fins are peeled from an aluminum block of alloy series 1,000 (e.g. EN AW-1060) or series 6,000 (e.g. EN AW-6063). The thermal conductivity of aluminum is optimal and is up to 230 W/mK.

If higher heat dissipation capacities are required, copper (Cu1100) can also be used as the base material. The compact one-piece design makes the heat sinks less vulnerable, as no additional material is used for the connection from the base plate to

the individual fins. With the same surface area, the heat sink is lighter and saves material costs.

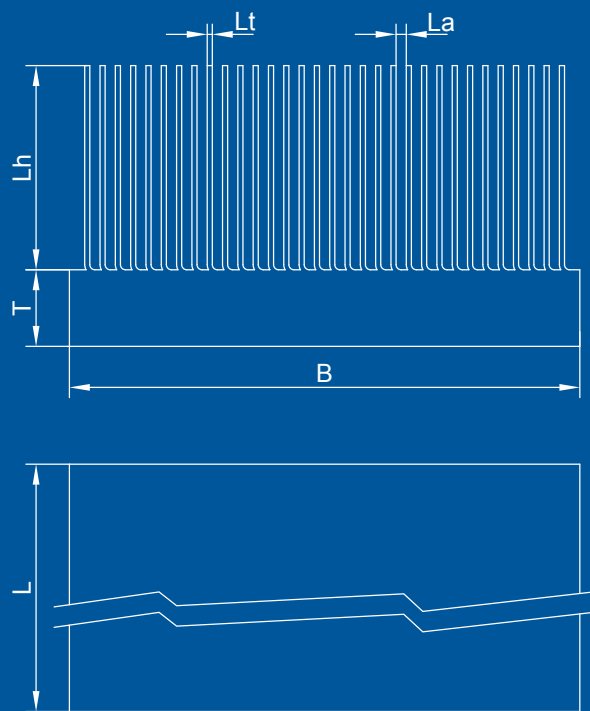
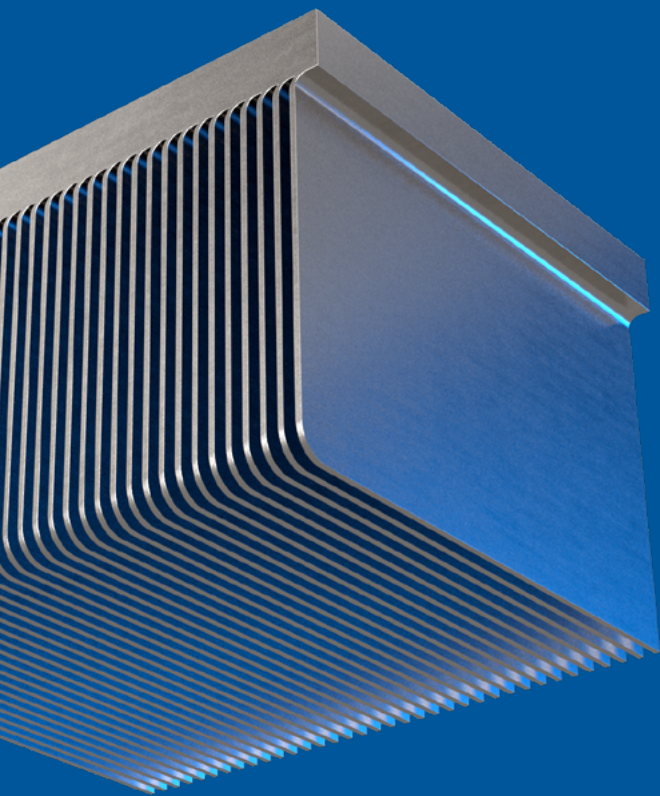
There is no contact resistance, as is the case with heat sinks with pressed, soldered or glued-in fins. There is no need to worry about fins coming loose or the joining material ageing. Flexfin Skiving heat sinks from Seifert electronic GmbH are ideal for thermoelectric applications or power modules with high power dissipation.

We manufacture Flexfin Skiving heat sinks exactly according to customer-specific requirements and offer maximum flexibility. There's only one thing we won't let you talk to us about: every single Flexfin Skiving heat sink is like being peeled out of an egg.

Do you need the smallest possible fin spacing or only have a certain fin height available?

Our design parameters show you at a glance what is possible:

Heat sink width	B	< 1.000 mm
Heat sink length	L	< 500 mm
Base thickness	T	< 30 mm
Fin thickness	Lt	0,15 mm – 1,5 mm
Fin spacing	La	0,3 mm – 6,5 mm
Fin spacing	Lh	3 mm - 140 mm



Your advantages:

optimum thermal conductivity

manufactured from a single piece

flexible fin design (thickness, spacing, height)

freedom of geometry and design for the cooling dimensions

large surface area due to high fin density

high strength with low weight

low tooling costs enable small batches

fast prototypes without tool investment



Service and advice

Got any questions about our products or a specific application?

Free specialist advice:

Monday to Thursday: 7.30 a.m. – 4.00 p.m.

Friday: 7.30 a.m. – 12.30 p.m.

Seifert electronic GmbH

Egerstraße 3

58256 Ennepetal

Telephone: +49 (0) 2333-79 060

Fax: +49 (0) 2333-79 061 44

E-Mail: components@seifert-electronic.de

www.seifert-electronic.de