
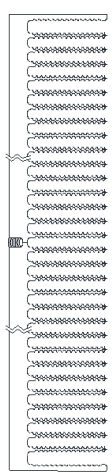
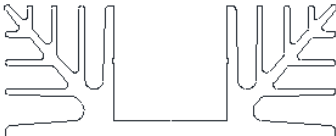
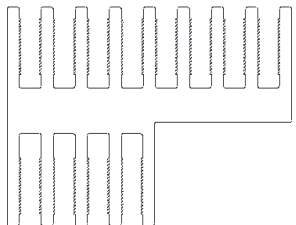




Extruded heat sink AW6060

Heat sinks are an essential component in the world of electronics, playing a crucial role in maintaining the optimal operational temperature of devices. Their primary function is to dissipate excess heat generated by electronic components to prevent overheating and improve performance.

<p>Standard</p> 	<p>Technical Specifications for standard products</p> <p>Height: 11.5 - 85.0 mm Width: 15.0 - 600.0 mm Thermal resistance: 0.07 - 87.0 K/W</p>	
<p>With Chamfered fins</p> 	<p>With mounting plate</p> 	<p>Technical Specifications for customize products</p> <p>Height: max. 200 mm Width x Length: max. 1000 x 200 mm Thermal resistance: design-dependent Material: AW6060, AW6063 Temper: T4, T5, T6, T64 & T66 Surface treatment: Anodizing: natural, natural satin, black, black satin Others: SurTec 650 passivation & more are planned for this year</p>
<p>With thread gutter</p> 		<p>For detailed information please check Website and contact us.</p>

Please Note

Find the right heat sink for your application among our many product families.

ASSMANN WSW, a world class manufacturer of heat sinks, offers a broad range of different thermal solutions with our profile heat sinks.

Our local production in Slovakia provides competitive prices with flexible solutions and delivery times.

Capabilities

- Profile heat sinks for standard articles and customized solutions
- Heat sinks with assembled thermal foils
- Fast sample production within Europe
- From low to high volume quantities

Certifications and Compliance

- RoHS compliant
- REACH compliance
- ISO 9001
- ISO 14001

Extruded heat sink

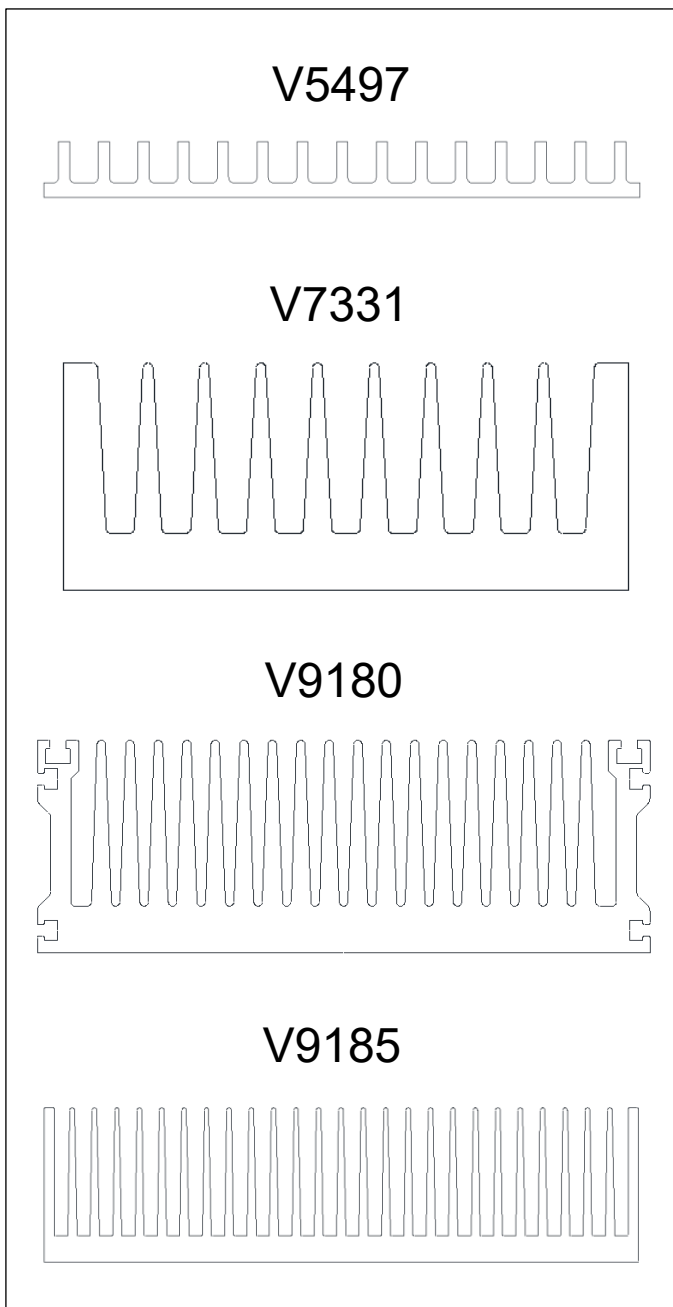


- Implementation of customized heat sink solutions according to customer requirements
- High quality
- A selection of material finishes
- Added Value / Pre-Assembling & Engraving

Standard profile AW6060, extruded profile

Standard heat sink profiles offer reliable thermal performance for a wide range of applications and can be integrated and customized with minimal effort. Standard solutions for many thermal topics - adaptable, efficient and ready to use.

Schematic



Technical Specifications

P/N	Height mm	Width mm	Thermal resistance W/K
V5435	27	150	0.6-1.5
V5436	40	200	0.5-1.1
V5440	19	47.5	2.2-4.2
V5497	15	159	1.5-2.6
V5805	15	100	1.5-2.9
V6434	25	245	0.5-1
V6506	40	160	0.5-1.3
V6750	50	190.5	0.5-1
V7331	40	100	0.9-2.5
V7750	40	66	1.1-2.9
V9177	67.5	111.5	0.5-1.4
V9178	83	200	0.46-0.7
V9180	77	215	0.2-0.72
V9183	40	250	0.5-1.25
V9185	67.5	260	0.24-0.7

You want to improve your cooling performance without redesigning the system? A well-chosen standard heat sink profile can already increase efficiency through different fin geometries and base dimensions. It's cost-effective and quickly available. If your current setup reaches its thermal limits, switching to another standard profile might already deliver the performance boost you need.

But do you know:

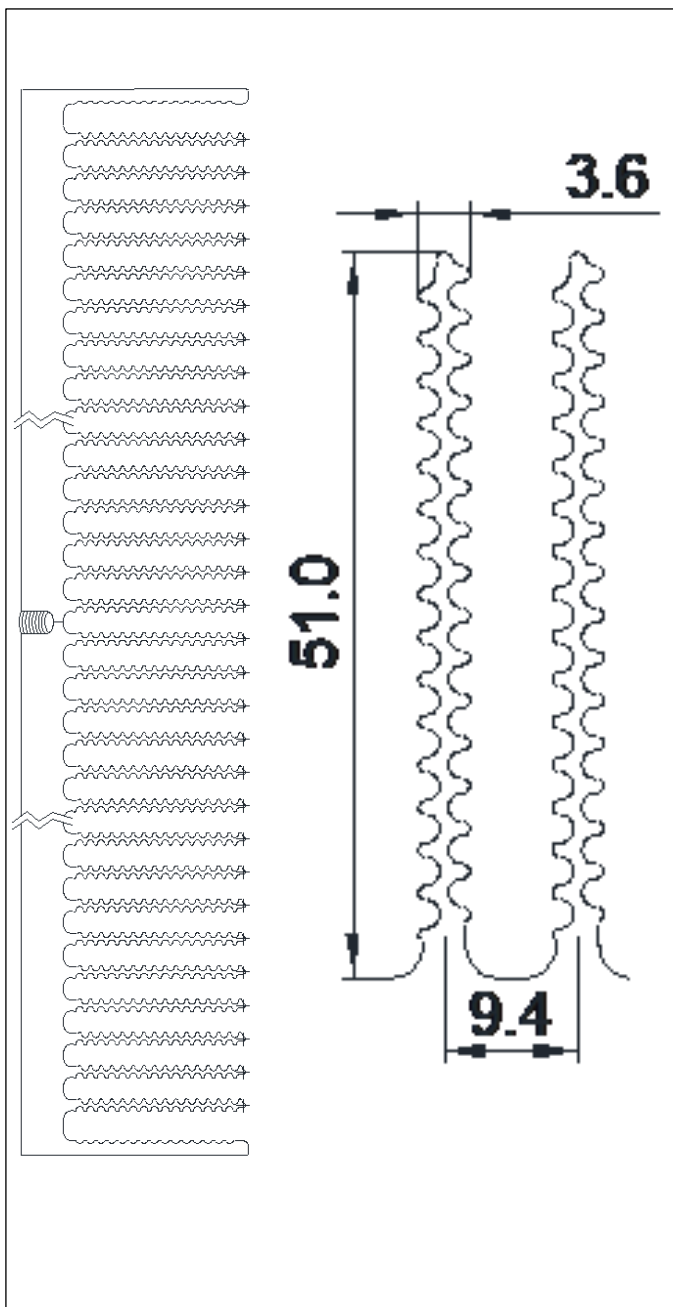
Within the standard portfolio, many profiles naturally provide much better thermal performance than expected, thanks to optimized convection paths or fin density.

But if you can't find the ideal profile, contact ASSMANN WSW, we support to choose the heat sink that fits your applications!

Chamfered fins AW6060, extruded profile

Increased surface through chamfered fins. The special design of the heat sinks allows an increase in the surface area without taking up any additional space. Chamfered fins are the optimal solution for higher performance.

Schematic Example for V9187-V9189



Technical Specifications

P/N	Height mm	Width mm	Thermal resistance K/W
V9179	84	200	0.36-0.7
V9187	85	400	0.1-0.235
V9188	85	500	0.08-0.175
V9189	85	600	0.07-0.16

You have several options to improve the cooling performance of your heat sink without changing the external dimensions. You can easily anodize the heat sink black, this increases heat emission directly! But what if it's not enough?

You need to increase the surface area, but without changing the external dimensions. You can reduce the size of the individual cooling fins and reduce the distance between them. This larger surface generates a better cooling of your application and therefore a higher lifetime!

But do you know:

There are also chamfered cooling fins. The otherwise typically smooth surface of the fins becomes a crater landscape. This gives you a major advantage – even more surface area for the cooling!

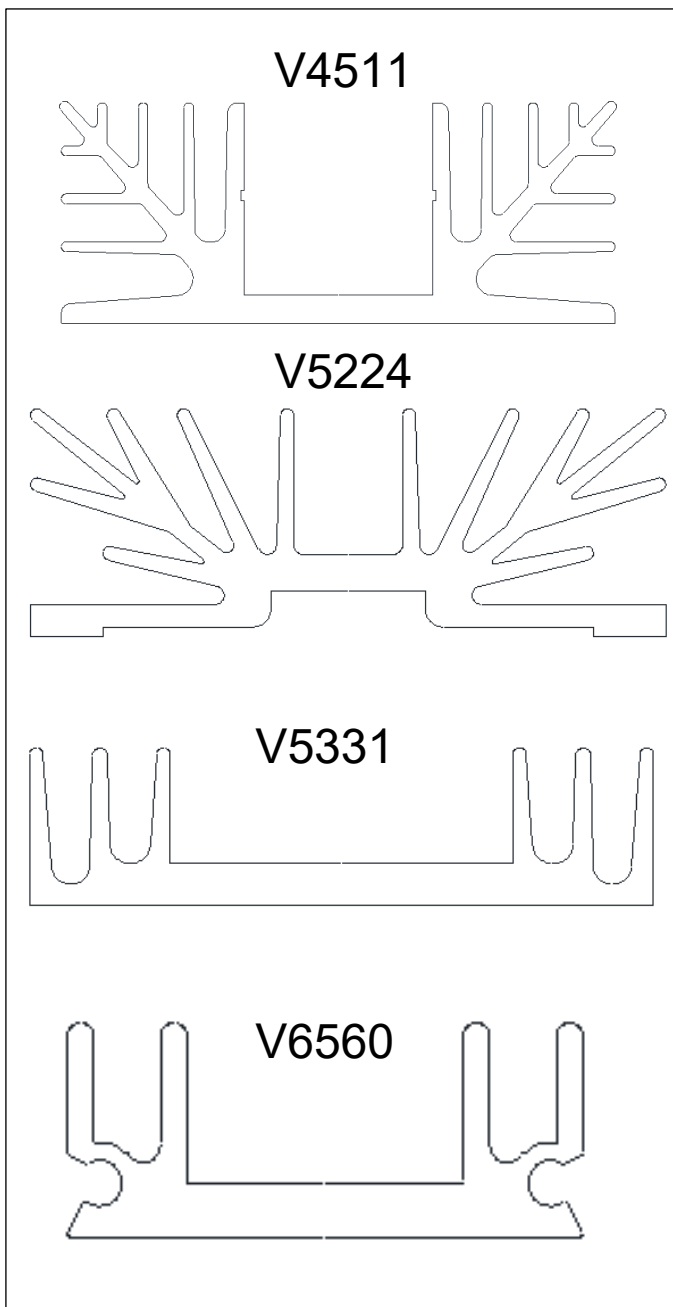
The profile gains up to $\approx 50\%$ bigger surface through the chamfered cooling fins. The chamfered fins help you overcome your dimensional limitations and improves the cooling of your application!

Our standards aren't the right fit for your problem? Then contact ASSMANN WSW and we help you to find your right the heat sink.

With mounting plate AW6060, extruded profile

Heat sinks with mounting plates offer a secure mounting surface for power transistors and ensure stable thermal distribution for reliable long-term performance. Optimized for direct assembly, our profiles with mounting areas generates a suitable and easy assembly within your production.

Schematic



Technical Specifications

P/N	Height mm	Width mm	Thermal resistance K/W
V4330	11.5	29	4.0-7.0
V4511	35	80	1.2-2.5
V5224	22.5	54	15.-3.0
V5331	15	60	1.2-4.8
V5428	27	65	2.1-3.5
V5510	20	65	2.1-3.5
V5512	25	70	1.5-2.6
V6520	50	100	0.5-1.25
V6560	12	29	4.8-8.5

You want reliable cooling for your power transistors without redesigning your system? Heat sinks with an integrated mounting plate provide a stable thermal interface, ensure heat spreading and simplify the assembly.

If your application reaches its thermal limits, choosing a mounting-plate heat sink with a different fin geometry or larger contact area can already improve the cooling.

But do you know:

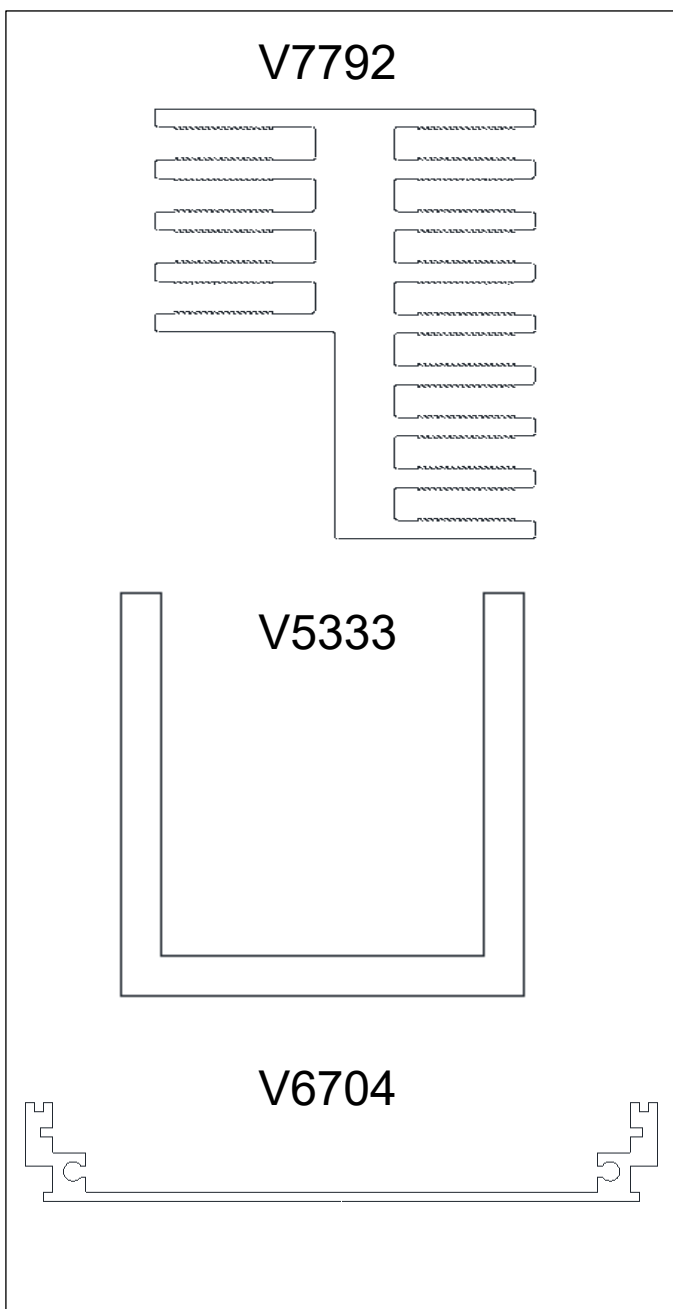
Some mounting-plate designs offer noticeably better thermal heat spreading and convection efficiency and more cooling performance without time consuming customization. This can boost the cooling performance simply – easy to implement for our customers.

If none of our standard mounting-plate solutions fit perfectly, contact ASSMANN WSW, we support you to identify the right heat sink that keeps your power electronics operating safely and efficiently.

Extruded with thread gutter, U-rofile and other AW6060, extruded profile

Whether you prefer standard U-profiles or heat sink profiles with a thread gutter, both solutions provide secure fastening and efficient thermal performance for your application, here ASSMANN WSW heat sinks are the right choice.

Schematic



Technical Specifications thread gutter

P/N	Height mm	Width mm	Thermal resistance K/W
V5583	33	46	3-5
V7792	38	54	0.9-3

Technical Specifications U-Profile

P/N	Height mm	Width mm	Thermal resistance K/W
V5333	30	30	
V7969	15	30	

Technical Specifications Other

P/N	Height mm	Width Mm	Thermal resistance K/W
V6704	16.5	100	4.75-8.25

You are looking for heat sinks that combine mechanical stability, easy mounting and reliable thermal performance? Our U-profile heat sinks and models with extruded thread gutters offer exactly that: integrated mounting features, strong geometry and flexible installation for many electronic assemblies. They provide secure fastening points, a robust frame design and simplify your assembly process. Reducing effort and increasing reliability.

But do you know:

U-profiles and thread-gutter designs often enable naturally optimized airflow and thermal spreading than many standard geometries. Reinforced sidewalls and integrated threads improve conduction paths and support stronger convection, resulting in noticeably higher cooling – with an easy flexible mounting.

If you can't find the right U-profile or thread-gutter heat sink in our standard range, contact ASSMANN WSW or check out our other profiles. We'll help you find the perfect match for your application.

ASSMANN

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