



BÄUER Der8auer Delid-Die-Mate
WS 3647

\$97.50

Product Images





Short Description

The benchmark grandmaster Roman "*der8auer*" Hartung developed for the Delid The Mate WS 3647 here as a solution to enable everyone to remove the heatspreader with ease, conveniently and safely without having to risk prematurely killing a CPU.

Description

If you were building your own gaming PCs in the early 2000s, you may remember the countless cases of defective CPUs à la AMD Athlon XP, whose silicon cores broke at the corners when the CPU cooler was mounted incorrectly. In order to avoid such a high mortality rate of otherwise perfectly functioning processors, especially for less experienced users, a metal heatspreader was placed on the CPU package of subsequent CPU generations, starting with the AMD Athlon 64 and Intel Pentium III, in order to simplify the handling of the cooler assembly.

This Integrated Heatspreader (IHS), mostly made of nickel-plated copper, transfers the waste heat from the chip to the CPU cooler and distributes the thermal energy generated during operation over a larger contact area than that provided by the pure silicon itself. However, a thermal interface material (TIM) between the heatspreader and the silicon chip is used to connect the two components. Since the Ivy Bridge generation from 2012, this material at Intel no longer consists of solder, but of a standard heat-conducting paste that replaces the solder in all subsequent CPU series and thus strongly impedes heat dissipation and overclocking due to its relatively low heat conductivity.

How powerful the CPU cooling is does not matter here, since the heat accumulation is already present within the processor package. For a CPU to be sufficiently cooled even with extreme overclocking, braver enthusiasts and extreme overclockers quickly separate the heatspreader with a sharp razor blade or similar tools. However, the caution and some tact is required to avoid damaging vital components for the CPU. Even for professional overclockers with a lot of experience, this radical method is not yet possible without risk.

Overclock easily and safely to the limit like an overclocking champion!

The benchmark grandmaster Roman "*der8auer*" Hartung developed for the Delid The Mate WS 3647 here as a solution to enable everyone to remove the heatspreader with ease, conveniently and safely without having to risk prematurely killing a CPU. The tool is made from robust, black anodized aluminium with long-lived high-grade steel elements. With it, the heatspreader can be safely removed in less than a minute by inserting the processor to be delidded into the Delid Die Mate WS 3647's module in accordance with the arrow labelled on the CPU. Then a section of the unit is slowly and evenly tightened by means of an Allen key, thereby loosening the heatspreader and pushing it away from the processor. With this method, users will enjoy being able to delid processors without any risk of damage.

The previously dangerous process of delidding thus becomes a harmless routine, and the sensitive silicon die and above all the other exposed components of the CPU are guaranteed to remain intact. For extreme overclockers and anyone who wants to become one, the device opens up completely new possibilities for professional CPU overclocking. The problematic additional heat transferred between the heatspreader and silicon is now completely eliminated and the CPU temperature is greatly lowered as a result, allowing the CPU to be significantly better overclocked. A further advantage is that now a higher quality thermal compound with better conductivity can and must be selected, for example from *Thermal Grizzly*. The results are impressive: Under load, 10 °C to 20 °C lower temperatures can be achieved.

A popular alternative is also to replace the thermal interface material itself, e.g. with liquid metal heat-conducting paste offering significantly better thermal conductivity. The heatspreader can then be reattached using silicone adhesive if required and all processor coolers can be mounted as usual. For a reliable connection between heatspreader and CPU, the third component of the Delid Die Mate WS 3647 is required, which is pushed over the mounting module and exerts pressure from above using the vice method. However, it should be noted here that too much pressure is not exerted, as otherwise the CPU could be damaged.

Features

- Practical tool to remove (delid) the heatspreader of a CPU
- Quick, light and above all safe
- Made from high quality aluminium in anodized black
- Compatible with current Intel Xeon Phi and Xeon Skylake SP processors
- Overclock comfortably and safely like a pro!

Specifications

Technical Details:

- Dimensions: 140 x 77 x 15 mm
- Type: CPU Heatspreader Remover
- Material: aluminium / stainless steel
- Color: black anodized
- Compatible with all Intel Xeon Phi and Xeon Skylake SP processors for socket 3647
- Includes:
 - 1x Delid Die Mate WS 3647

1x hexagon socket connections

*** Important warning! ***

The removal of the CPU heatspreader is at your own risk and is always accompanied by the complete loss of the manufacturer's warranty and warranty! When using the heatspreader, make sure that it is soldered NOT to the CPU, but that only heat conducting paste has been used.

Compatibility note: Without the integrated heatspreader, the mounting height of the CPU cooler decreases slightly. It is therefore essential that you check before installation whether the cooler to be used can also be used with a lower installation height.

Additional Information

Brand	Der8auer
SKU	FSD8-028
Weight	2.0000
Color	Black
Tool Type	Technician's Tools
Vendor SKU/EAN	4250144803906

