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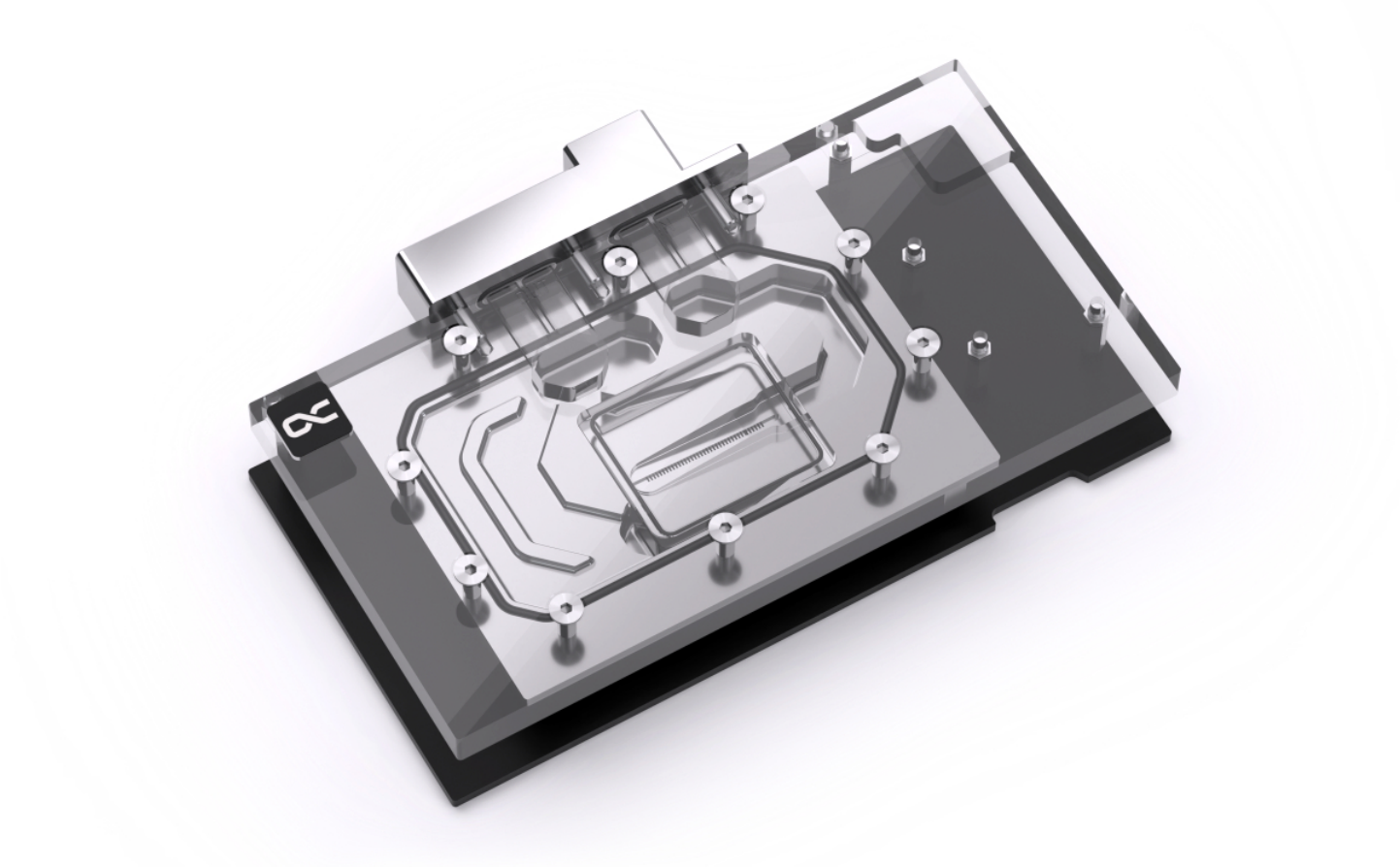
Alphacool Eisblock Arc Pro B60 Creator

Alphacool article number: 5100115



Quick Info

The Alphacool Eisblock Arc Pro B60 Creator offers the perfect balance of aesthetics and performance. Engineered specifically for Intel Arc Pro B60 ASRock Creator graphics cards, this GPU water block is precisely matched to the card's PCB layout. It combines technical refinement and optimized coolant flow with a sleek, minimalist design.

- Fullcover water block
- Chrome plated copper cooler
- Chrome plated 90° brass terminal
- Compact design

We assume no responsibility for any typing errors. Alphacool International GmbH, Marienberger Strasse 1, 38122 Braunschweig Tel: (+49)0531 288 7400 Supportmail: info@alphacool.com

Scope of delivery

1x Alphacol Eisblock Arc Pro B60 Creator
1x Backplate
9x M2x10mm screw
1x 59,5 x 8 x 1mm thermal pad
1x 27,5 x 15 x 1mm thermal pad
1x 57,5 x 15 x 1mm thermal pad
4x 8 x 8 x 1mm thermal pad
1x 27,5 x 15 x 2mm thermal pad
1x 57,5 x 15 x 2mm thermal pad
1x 59,5 x 8 x 3mm thermal pad
1x 15 x 15 x 3mm thermal pad
1x 45 x 45 x 3mm thermal pad
1x Thermal grease 1g
1x Putty Tool
1x M2x4mm screw
1x ISO 4036 - M2 2mm nut

Technical data

Dimensions (L x W x H)	185,76 x 118,15 x 35,15
Material cooler	Chome-plated copper
Material cooler top	PMMA (LXN865)
Threads	2 x G1/4"
Material Connection thread	Brass (CuZn39Pb3)
Maximum torque G1/4 thread (in Nm)	1,00
Maximum torque M2 thread (in Nm)	0,13
Maximum torque M4 thread (in Nm)	1,12
Maximum operating temperature (in °C)	60
Recommended working temperature (in °C)	20
Minimum operating temperature (in °C)	-20
Maximum tested pressure (in bar)	4,00
Recommended working pressure (in bar)	0,00 - 2,00
Thickness of the cooling plate	3,1
Thickness of cooling fins (in mm)	0,40
Distance between cooling fins (in mm)	0,40
Cooling technology	Jet engine

Technical data Backplate

Dimensions (L x W x H)	185,76 x 96,15 x 3,00
Material	Aluminium (AlMg0,7Si)
Color	Black

Technical data Thermal pads

Thermal conductivity of thermal pads (in W/mK)	7
Thermal pads Hardness ASTM 2240	35 Shore 00

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Technical data Thermal paste

Evaporation rate	Less than 0,5
Density (g/cm3)	3,2 (Test method ASTM D2196)
Viscosity	150~200*10³ (Test method ASTM D2196)
Operating temperature (°C)	-40°C to 120°C
Breakdown voltage (V/mil)	250 (Test method ASTM D149)
Thermal impedance (°C in 2/W)	0.1 +/- 0.01 (Test method ASTM D5470)
Maximum operating pressure (psi)	40
Quantity (in gramm)	1
Color	Grey

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Manual	5100115_Alphacool_Eisblock_Arc_Pro_B60_Creator_Manual.pdf
Product pictures	5100115_Alphacool_Eisblock_Arc_Pro_B60_Creator_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_5100115.pdf

Packaging dimensions per unit

L x W x H	350 x 170 x 45 mm
Weight	1280 g

Other data

Certificates	CE, FC, RoHS
EAN	4070201001157
Customs code	84195080900
Guarantee	2 years

Article text

The Alphacool Eisblock Aurora Arc Pro B60 Creator offers the perfect balance of aesthetics and performance.
Engineered specifically for Intel Arc Pro B60 ASRock Creator graphics cards, this GPU water block is precisely matched to the card's PCB layout. It combines technical refinement and optimized coolant flow with a sleek, minimalist design.

Technical Highlights

The fin structure is based on the proven cooling technology of previous Eisblock generations and has been specifically adapted to meet the demands of the Arc B60 GPU. With a thickness of 0.4 mm and a fin spacing of 0.4 mm, it ensures excellent coolant flow while delivering strong thermal performance.
The jet plate features an integrated inlay that helps distribute water pressure more evenly across the fins, improving heat absorption. The refined inlet design further enhances the angle and direction of the coolant flow for maximum efficiency.

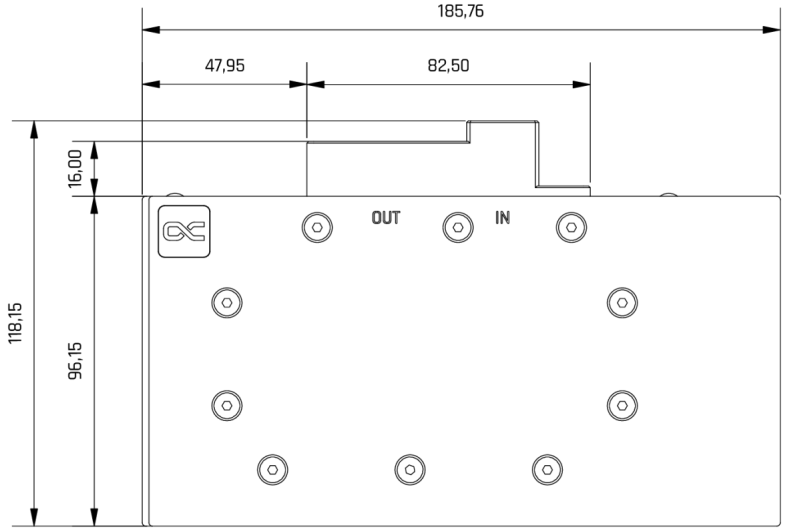
Chromed Copper

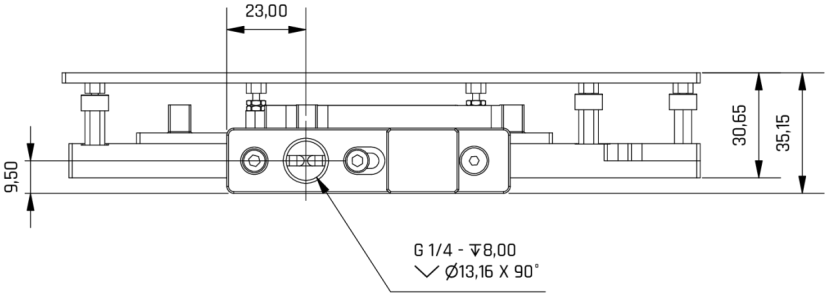
The block is made entirely of chromed copper. Compared to nickel plating, chrome offers a harder, more durable surface that is more resistant to scratches and chemical influences. Alphacool uses only copper for the cooling plate due to its nearly twice-as-high thermal conductivity compared to aluminum.

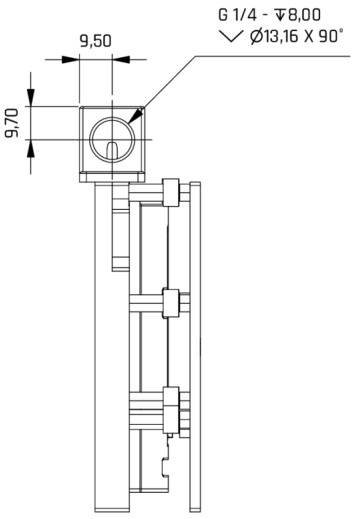
90° Terminal

The Alphacool Eisblock Arc Pro B60 Creator is equipped with a 90° terminal. Thanks to the practical arrangement of the inlets and outlets, the cooler can be installed particularly easily in server chassis and workstation PCs. The terminal is made of chrome-plated brass, providing high resistance to scratches and chemical influences.

Figure (1)







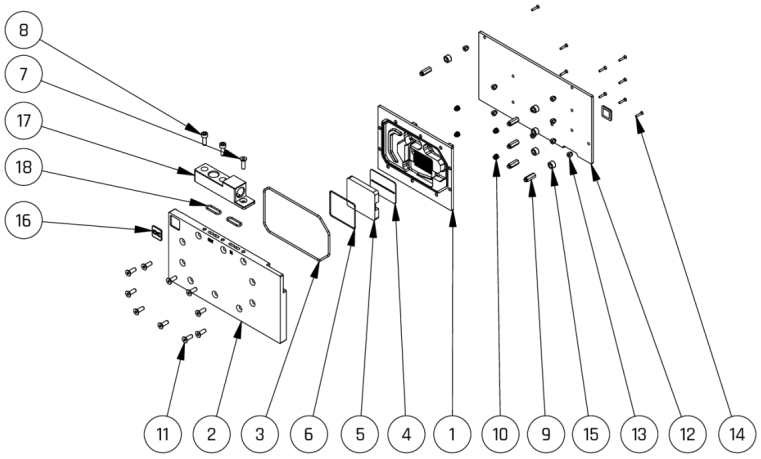
General tolerance: ± 0,25mm
Thickness with graphics card (PCB)
Dimension in millimeter

Figure (2)

Mechanical properties:

Minimum temperature t min =	-20°C
Working temperature t =	20°C
Maximum temperature t max =	60°C
Working pressure p =	0,0 - 1,0Bar
Maximum pressure p max =	2,0Bar

Maximum torque of G thread M max =	G1/4 = 1,0Nm
ISO 228-1 Parallel Whitworth pipe thread BSPP (GB)	
Maximum torque of M thread M max =	M2X0,4 = 0,13Nm
DIN 13-1 Metric ISO standard thread	M4X0,7 = 1,12Nm



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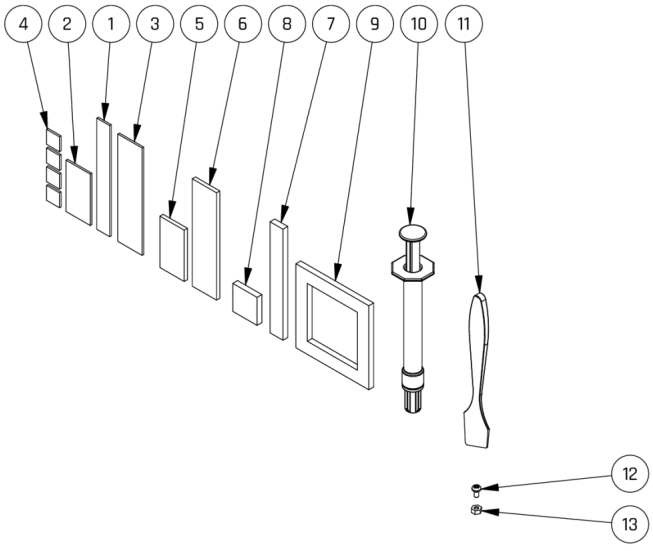
Alphacool Eisblock Arc Pro B60 Creator mit Backplate

Parts List

Number	Quantity	Description	Material
1	1	Copper V2	Cu-HCP
2	1	PMMA Top	LXN865
3	1	V2 O-Ring 98,5 x 2	NBR Shore 70
4	1	GPX Jetplate 42 x 30	CuZn39Pb3
5	1	GPX Engine insert	LXN865
6	1	GPX Jetplate ORing 46.5 x 1	NBR Shore 70
7	1	M4 x 14	X10CrNi18-8
8	2	M4 x 12	X10CrNi18-8
9	5	GPX Spacer SW5 M4X0,7-M2X0,4 x 13	X10CrNi18-8
10	4	GPX Spacer SW5 M4X0,7-M2X0,4 x 3	CuZn39Pb3
11	10	M4 x 12	X10CrNi18-8
12	1	Backplate V2	AlMg0,7Si
13	9	CORE Spacer SW5 - M4X0,7 x 3	PA 66,GF25 FR(V-2)
14	9	ISO 7046-1 - M2 x 10	X10CrNi18-8
15	5	PCB Spacer	PA 66,GF25 FR(V-2)
16	2	Alphacool Logo Batch 15x15mm 2023	-
17	1	90° Terminal	CuZn39Pb3
18	2	O - Ring 15,5 x 1,5	NBR Shore 70



Spare parts list

Number	Quantity	Description	Material
1	1	Pad 59,5 x 8 x 1	7W/mK - Shore-00 35 - 1.00 mm
2	1	Pad 27,5 x 15 x 1	7W/mK - Shore-00 35 - 1.00 mm
3	1	Pad 57,5 x 15 x 1	7W/mK - Shore-00 35 - 1.00 mm
4	4	Pad 8 x 8 x 1	7W/mK - Shore-00 35 - 1.00 mm
5	1	Pad 27,5 x 15 x 2	7W/mK - Shore-00 35 - 2.00 mm
6	1	Pad 57,5 x 15 x 2	7W/mK - Shore-00 35 - 2.00 mm
7	1	Pad 59,5 x 8 x 3	7W/mK - Shore-00 35 - 3.00 mm
8	1	Pad 15 x 15 x 3	7W/mK - Shore-00 35 - 3.00 mm
9	1	PAD 45 x 45 x 3	7W/mK - Shore-00 35
10	1	Alphacool Subzero Thermal grease 1g	-
11	1	Putty Tool	-
12	1	M2 x 4	X10CrNi18-8
13	1	ISO 4036 - M2 2mm	X10CrNi18-8