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# Alphacool Apex Benchtable

Alphacool article number: 25056



## Quick Info

The Alphacool Apex Benchtable combines premium design, maximum flexibility, and a well-thought-out construction. Whether for demanding hardware testing, frequent component changes, or a custom high-end system, the benchtable's design allows easy access to components and offers a wide range of possibilities.

- Can be completely disassembled
- Carbon Rods & Aluminum Connectors
- Supports ATX, Micro-ATX, Mini-ITX, and E-ATX
- Supports ATX power supplies
- Radiator Mounts: 1x 360 mm, 1x 240 mm, 1x 120 mm

## Scope of delivery

1x Alphacool Apex Benchtable
7x PCIe IO Bracket
1x Support Bracket
7x M4x12mm Screw
6x M4x6mm Screw
3x Cable Clamp Motherboard
17x 6-32 UNC 6mm Screws
3x Cable Clamp Case Tube
3x Cable tie

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## Technical data

| | |
|---|---|
| Dimensions (L x W x H) | 466.86 x 460.86 x 415.43 mm |
| Material tubes | CFRP / carbon |
| Material radiator panels | CFRP / carbon |
| Material corners | Aluminium (AlMg1SiCu) |
| Material motherboard tray | Aluminium (AlMg1SiCu) |
| Supported radiators | 1x 360 mm, 1x 240 mm, 1x 120 mm |
| Supported fans | 6x 120 mm |
| Supported motherboards | ATX, Micro-ATX, Mini-ITX, E-ATX (without Motherboard Backplate) |
| Supported PSU | ATX |
| Front I/O Connectivity Options | 2x USB 3.0 (Type A), 1x audio out, 1x microphone in |
| Color | Carbon, black |

## Download links

| | |
|---|---|
| Manual | 25056_Alphacool_Apex_Benchtable_Manual.pdf |
| Product pictures | 25056_Alphacool_Apex_Benchtable_pics.zip |
| EU-DoC / CE / RoHS | Alphacool_EuDoc_CE_RoHS_25056.pdf |

## Packaging dimensions per unit

| | |
|---|---|
| L x W x H | 590 x 590 x 370 mm |
| Weight | 5396 g |

## Other data

| | |
|---|---|
| Certificates | CE, FC, RoHS |
| EAN | 4250197137195 |
| Customs code | 84733080000 |

## Article text

The Alphacool Apex Benchtable combines premium design, maximum flexibility, and a well-thought-out construction. Whether for demanding hardware testing, frequent component changes, or a custom high-end system, the benchtable's design allows easy access to components and offers a wide range of possibilities.

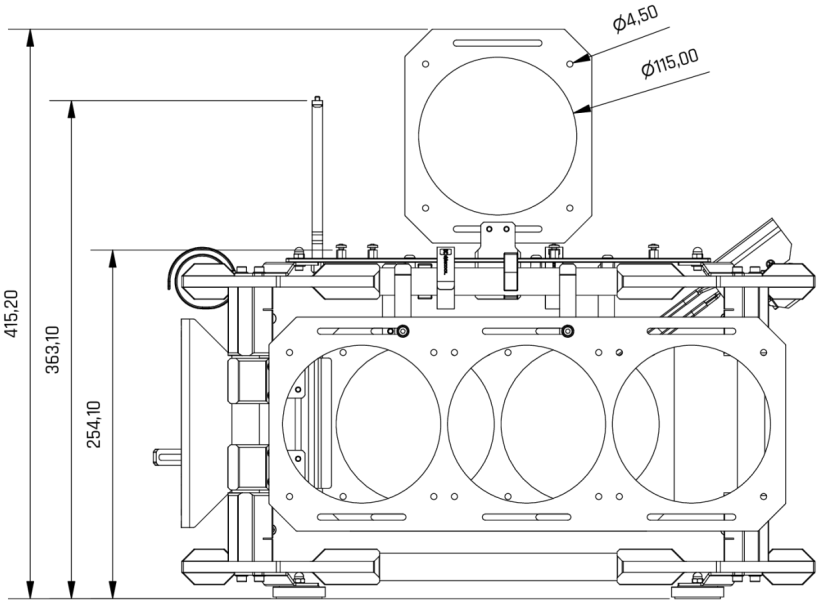
The construction featuring carbon rods and CNC-machined aluminum connectors gives the Apex Benchtable a premium, technical appearance. The combination of materials ensures a sturdy yet lightweight frame. Thanks to its modular design, the benchtable can be completely disassembled.

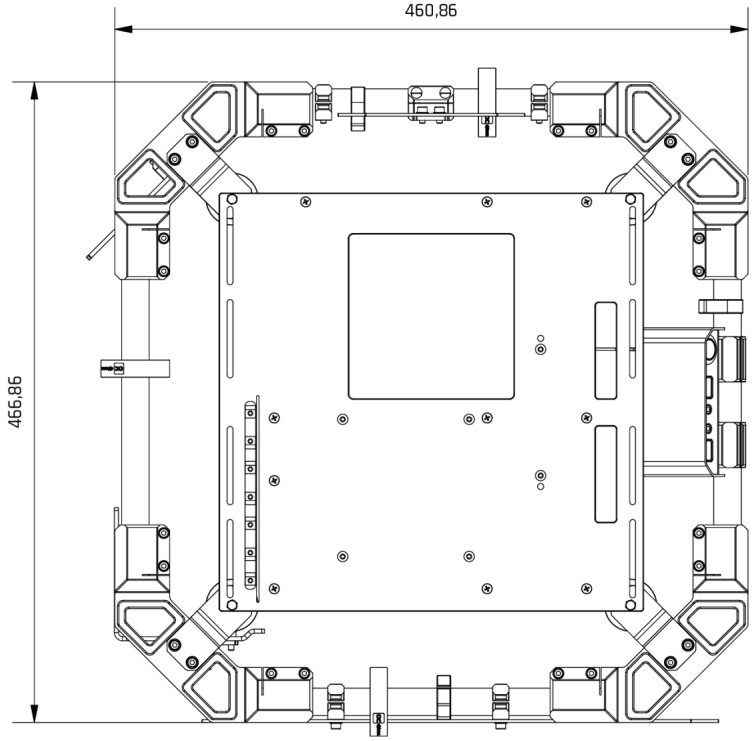
The Alphacool Apex Benchtable supports ATX, Micro-ATX, Mini-ITX, and E-ATX motherboards, offering broad compatibility with a wide range of system configurations. The benchtable features a mounting bracket for ATX power supplies. The open design ensures easy access to all components.

The Alphacool Apex Benchtable offers flexible mounting options for water cooling components. In addition to accommodating one 360 mm, one 240 mm, and one 120 mm radiator, it also provides a mounting option for a reservoir. This makes the benchtable an ideal foundation for water-cooled test systems and hardware configurations that require frequent component changes.

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# Figure (1)

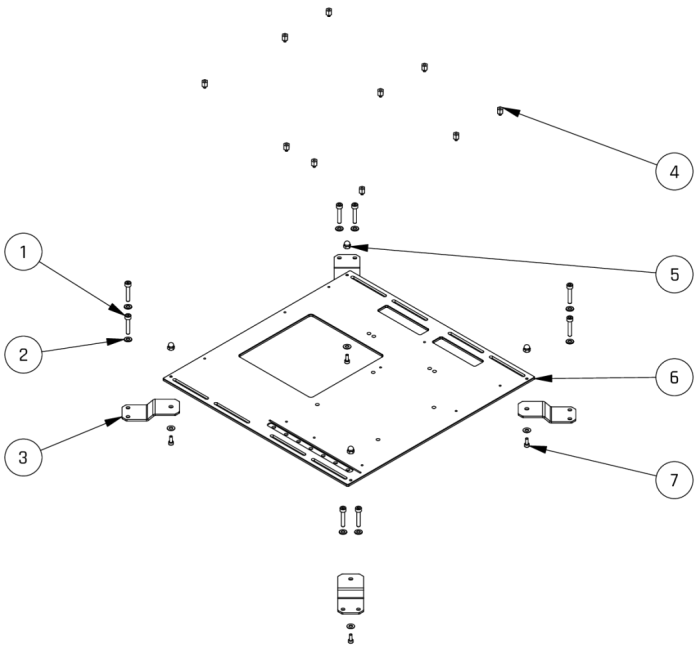



General tolerance: ±0,25mm
Dimension in millimeter

# Figure (2)

| Mechanical properties: | | | | | |
|---|---|---|---|---|---|
| Minimum temperature t min = | -20°C | Maximum torque of G thread M max = G1/4 = 1,0Nm<br>ISO 228-1 Parallel Whitworth pipe thread BSPP (GB) | Maximum torque of M thread<br>DIN 13-1 Metric ISO standard thread | M max = | M2X0,4 = 0,13Nm<br>M2,5X0,45 = 0,27Nm<br>M3X0,5 = 0,48Nm<br>M4X0,7 = 1,12Nm |
| Maximum temperature t max = | 60°C | | | | |



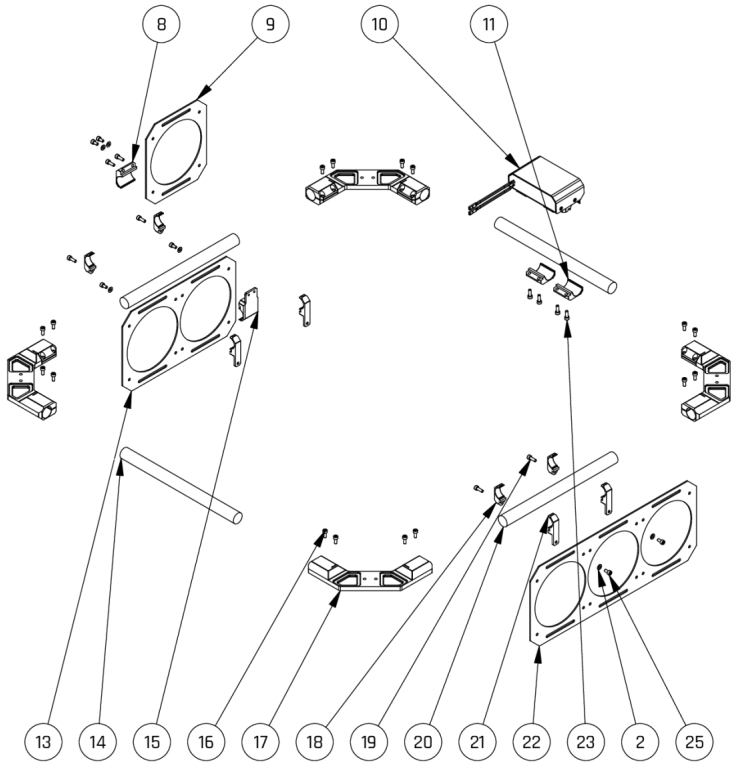

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Apex Benchtable

Parts list

| Number | Quantity | Description | Material |
|---|---|---|---|
| 1 | 8 | BS EN ISO 4762 - M4 x 22 | X10CrNi18-8 |
| 2 | 8 | M4 (Form A)chamfered | Cr01 |
| 3 | 4 | Side panel mount | Cr01 |
| 4 | 10 | 6mm Standoff M3x3mm | CuZn39Pb3 |
| 5 | 4 | M3 cap nut | X10CrNi18-8 |
| 6 | 1 | Motherboard plate ATX Aluminium | AlMg1SiCu |
| 7 | 4 | BS EN ISO 4762 - M3 x 8 | X10CrNi18-8 |

# Figure (3)

| Mechanical properties: | | | | | |
|---|---|---|---|---|---|
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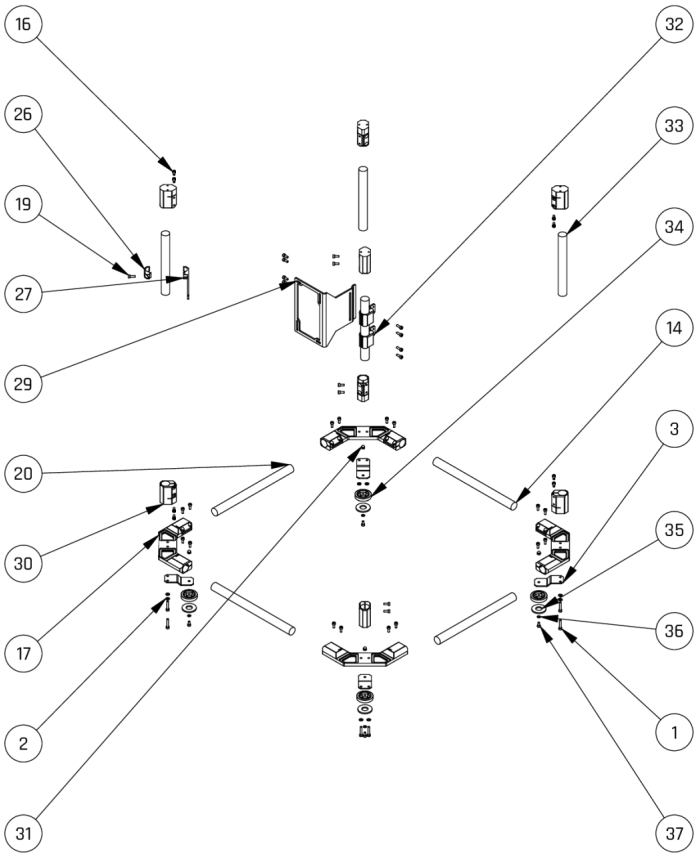

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Parts list

| Number | Quantity | Description | Material |
|---|---|---|---|
| 2 | 8 | M4 (Form A)chamfered | Cr01 |
| 8 | 1 | Surface Mount 20mm OFFSET 2PART | AlMg1SiCu |
| 9 | 1 | rad 120 panel 20mm | CFRP_ |
| 10 | 1 | Front IO | Aluminum 6061 |
| 11 | 2 | Double Offset clamp 2PART 2 | AlMg1SiCu |
| 12 | 2 | Cross Recessed Flat Countersunk Head Machine Screw - Type I - Metric | Steel, Mild |
| 13 | 1 | rad 240 panel 20mm | CFRP_ |
| 14 | 2 | TUBE 2 20 x 256,863 mm | CFRP_ |
| 15 | 1 | Surface Mount 20mm OFFSET 2PART | AlMg1SiCu |
| 16 | 34 | BS EN ISO 4762 - M4 x 10 | X10CrNi18-8 |
| 17 | 4 | Corner FINAL | AlMg1SiCu |
| 18 | 4 | Single Offset clamp 2PART 2 | AlMg1SiCu |
| 19 | 7 | BS EN ISO 4762 - M4 x 12 | X10CrNi18-8 |
| 20 | 2 | TUBE 3 20 x 250,863 mm | CFRP_ |
| 21 | 4 | Single Offset clamp 2PART 1 | AlMg1SiCu |
| 22 | 1 | rad 360 panel 20mm | CFRP_ |
| 23 | 4 | Hexagon Socket Head Cap Screw | Steel, Mild |
| 25 | 6 | BS EN ISO 4762 - M4 x 6 | X10CrNi18-8 |

# Figure (4)

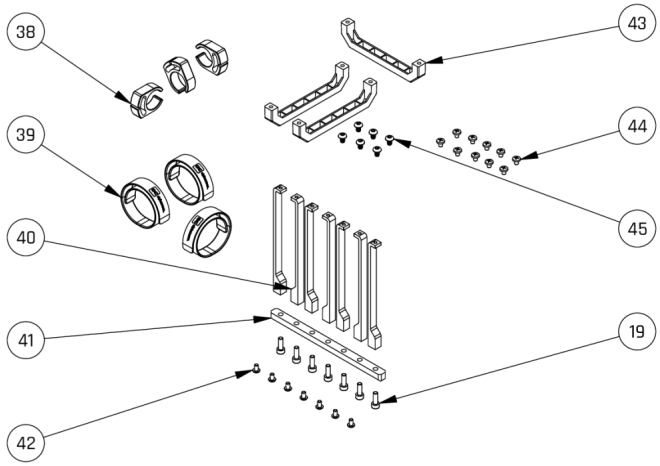
| Mechanical properties: | | | | | |
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| Maximum temperature t max = | 60°C | | | | |




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Parts list

| Number | Quantity | Description | Material |
|---|---|---|---|
| 1 | 8 | BS EN ISO 4762 - M4 x 22 | X10CrNi18-8 |
| 2 | 8 | M4 (Form A)chamfered | Cr01 |
| 3 | 4 | Side panel mount | Cr01 |
| 14 | 2 | TUBE 2 20 x 256,863 mm | CFRP_ |
| 16 | 34 | BS EN ISO 4762 - M4 x 10 | X10CrNi18-8 |
| 17 | 4 | Corner FINAL | AlMg1SiCu |
| 19 | 7 | BS EN ISO 4762 - M4 x 12 | X10CrNi18-8 |
| 20 | 2 | TUBE 3 20 x 250,863 mm | CFRP_ |
| 26 | 1 | Res Mount P2 | AlMg1SiCu |
| 27 | 1 | Res Mount P1 | AlMg1SiCu |
| 29 | 1 | PSU mount | Cr01 |
| 30 | 8 | Surface Mount 20mm RH | AlMg1SiCu |
| 31 | 4 | M4 x 0,7 | X10CrNi18-8 |
| 32 | 2 | Surface Mount 20mm OFFSET 2PART | AlMg1SiCu |
| 33 | 4 | TUBE CFRP 170 x 20mm | CFRP_ |
| 34 | 4 | Case Foot Top | PPS-GF30 |
| 35 | 4 | Rubber Ring 33,25 x 15 x 3mm | EPDM Shore A 70 |
| 36 | 4 | ISO 7092 - ST 4 - 140 HV | X10CrNi18-8 |
| 37 | 4 | ISO 4762 - M4 x 8SS-ISO | X10CrNi18-8 |




Accessories

| Number | Quantity | Description | Material |
|---|---|---|---|
| 19 | 7 | BS EN ISO 4762 - M4 x 12 | X10CrNi18-8 |
| 38 | 3 | Cable clamp TUBE 2 | PA-757 |
| 39 | 3 | Hook and loop cable ties | - |
| 40 | 7 | PCI-E IO V3 | AlMg1SiCu |
| 41 | 1 | PCI-E bolt plate V2 | AlMg1SiCu |
| 42 | 7 | ANSI B18.3 - 6-32 UNC - UNC - 6mm | X10CrNi18-8 |
| 43 | 3 | Cable clamp | PA-757 |
| 44 | 10 | 6-32 UNC x 0,1875 inch Pan head screw | X10CrNi18-8 |
| 45 | 6 | ISO 7380-1 - M4 x 6 | X10CrNi18-8 |

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