

Almax·easyLab
science under pressure

Products



Diacell® LeverDAC-Mega

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Lever arm drive diamond anvil cell for optical work.

Part of the Diacell® LeverDAC Series.

- The Diacell® LeverDAC-Mega is based on a leverage mechanism designed to bring the diamond anvils together. This is the original design of diamond anvil cells;
- The cell is specially suited for any ultra-high pressure (> 100 GPa) optical studies. It has a numerical aperture of 0.44;
- The anvils are mounted mechanically by force fitting them into rings, which then are screwed to their seats. This is a unique feature of Diacell® Diamond Anvil Cells;
- Optional internal resistive heater enables the operation of the LeverDAC-Mega to temperatures of order of 500°C ;
- The lever arm drive unit (length/width: 181mm/87mm) can be disconnected from the cell to facilitate interfacing to spectrometers;
- Maximum pressures of up to above 100 GPa may be obtained with the Diacell® LeverDAC-Mega.

RELATED PRODUCTS:

- Diacell® LeverDAC-Maxi
- Diacell® LeverDAC-Mini
- Optiprexx Ruby Line
- Boehler µDriller
- uDrill Pro

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- Stainless Steel 2.5 mm Anvils Rings
- Stainless Steel 5 mm Gasket Blanks
- Ruby Powder
- Ring Heater
- Gasket Indenter
- Diacell® Anvil Jigs
- Diacell® Ring Heater

Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Support Plate	Tungsten Carbide
Pressure Mechanism	Lever Arm Drive
Maximum Pressure	100 GPa
Top/Bottom Angles	52° Conical
DAC Diameter / Height	37 mm / 51 mm
Working Distance to Sample	13 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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