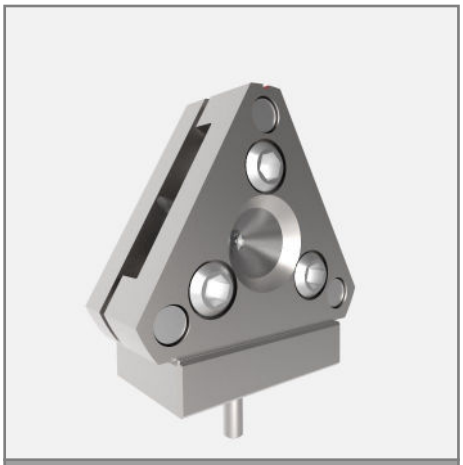



Almax·easyLab
science under pressure

Products



Diacell® Bragg Mini

# Diacell® Bragg Mini

Screw-driven diamond anvil cell (DAC) for X-ray applications mainly, but it can also be used for other spectroscopic studies.

- The Diacell® Bragg Mini is a Merrill Basset type of cell but engineered tin order to accommodate Boehler- Almax anvils;
- This cell is particularly well suited for X-ray experiments as it enables diffraction measurements with high transmission factor and very low background;
- The Diacell® Bragg Mini can easily be mounted onto a goniometer head as it comes supplied with a mounting plate;
- Maximum pressure of up to above 20 GPa are achievable with the Diacell® Bragg Mini.
- The Bragg-Mini is available on request in the variants:
  - Bragg-Mini SWD – this variant offers the option of a 5.50mm working distance on the underside of the DAC;
  - Bragg-Mini Titanium – cell which is 30% lighter than the standard version.

**RELATED PRODUCTS:**

- Diacell® Diasqueeze
- Diacell® SymmDAC
- Boehler Almax PlateDAC
- Boehler µDriller
- uDrill Pro
- Optiprexx Ruby Line

**RELATED ACCESSORIES:**

- Boehler-Almax Design 3.3 mm Anvils
- Ruby Powder
- Anvil Support Plates
- Gasket Blanks
- Gasket Indenter
- Diacell® easyGlue
- Diacell® Horizon

**Technical Specifications:**

| | |
|---|---|
| Cell Material | AISI 316 |
| Anvil Support Plate | Tungsten carbide |
| Pressure Mechanism | Screw– driven |
| Maximum Pressure | >20 GPa |
| Top/Bottom Angles | X-ray: 85° Conical |
| DAC diameter/ DAC Height | < 43mm (triangular) / 15 mm |
| Working Distance to Sample | 7.5 mm |
| Numerical Aperture | 0.68 |

Specifications subject to change without prior notice.
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Ref: ML19_03 Rev 2