



Products



Diacell® Bragg-(S)/ (S) Plus

RELATED PRODUCTS:

- Diacell® CCS-DAC System
- Diacell® PT-DAC System
- Böhler μ Driller
- Optiprex Ruby Line
- Diamond Anvils

RELATED ACCESSORIES:

- Diacell® Design 2.5mm Diamond Anvils
- Böhler-Almax Design 3.3 mm Anvils
- Stainless Steel 10 mm Gasket Blanks
- (S) to (S)Plus conversion kit
- Ruby Powder
- Anvil Support Plates
- Gasket Indenter
- Diacell® easyGlue
- Diacell® Horizon

Diacell® Bragg-(S) and Bragg-(S) Plus

Screw driven diamond anvil cell for X-ray application.

Part of the Diacell® Bragg Series.

- ◆ The Diacell® Bragg-(S) is recommended for X-ray experiments. The Diacell® Bragg-(S) Plus, which uses conical Böhler Almax anvils, makes this DAC ideal for high pressure X-ray research;
- ◆ The large angle apertures enable diffraction studies with high transmission factor and very low background;
- ◆ The Diacell® Bragg-(S) Plus also lends itself to optical experiments at high pressures;
- ◆ A combination of left- and right- handed screws makes sure that there is no net torque on the cell;
- ◆ It is relatively easy to convert the Diacell® Bragg-(S) into a Diacell® Bragg-(S) Plus, see conversion kit;
- ◆ Maximum pressures of about 100 GPa may be obtained with the Diacell® Bragg-(S) and the Diacell® Bragg-(S) Plus.

Technical Specifications:

Anvil Design Option	Diacell Design	Böhler– Almax Design (Plus)
Cell Material	Stainless Steel AISI 440C	Stainless Steel AISI 440C
Anvil Support Plate	Beryllium	Tungsten carbide
Maximum Pressure	~100 GPa	~100 GPa
Top/Bottom Angles	X-ray: Conical 90°	X-ray: Conical 85°
DAC Diameter / Height	N/A / 35mm	N/A / 35mm
Working Distance to Sample	14 mm	14 mm
Numerical Aperture	0.70	0.67

Specifications subject to change without prior notice.
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