

Products



Boehler Almax Plate DAC

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Boehler-Almax Plate DAC

Screw-driven diamond anvil cell for x-ray applications.

- ▶ The Boehler-Almax Plate DAC is based on the innovative design of R. Boehler and employs conical Boehler-Almax anvils supported by tungsten carbide seats as standard.
- ▶ This cell is particularly well suited for x-ray experiments as it enables diffraction measurements with high transmission factor and very low background.
- ▶ Two kinematically-mounted steel plates are elastically deflected with the use of a driving gearbox. This symmetrical deflection generates the required pressures.
- ▶ A gas membrane adaptor kit is available for the Plate DAC. In addition, a Huber goniometer head is also available for this gas membrane adaptor.
- ▶ Maximum pressures of up to above 100 GPa are enabled by the Boehler Almax Plate DAC.
- ▶ Available at www.diamondANVILS.com.

Technical Specifications:

Cell Material	Vascomax 300
Anvil Seat (support plate)	Tungsten Carbide
Pressure Mechanism	Screw-driven
Top Angle	X-ray: 85° Conical
Bottom Angle	X-ray: 85° Conical
DAC Diameter	49 mm
DAC Height	21 mm
Working Distance to Sample	10.5 mm

Specifications subject to change without prior notice.
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