

Almax·easyLab
science under pressure

Products



Diacell® Diaclamp

Diacell® Diaclamp

Screw drive diamond anvil cell for room temperature optical and X-ray applications

- The high pressure in the Diacell® Diaclamp is achieved by the means of two pairs of left-hand/right-hand bolts;
- The inner piston-cylinder is separated from the outer clamps that are used to generate the load, thus largely avoiding distortions of the piston-cylinder assembly at the highest pressures;
- The complex gasket -loading process is facilitated by a easy access to the lower anvil and its associated gasket holder;
- The Diacell® Diaclamp may also be manufactured in BeCu, an alloy with a much greater thermal conductivity than the steel from which the standard cells are constructed;
- With brass screws throughout, BeCu version is compatible also with high magnetic field environments.

RELATED PRODUCTS:

- Diacell® SymmDAC 60
- Optiprexx Ruby Line
- Boehler µDriller

RELATED ACCESSORIES:

- Diacell® Design 3.10 mm Anvils
- Stainless Steel 3.10 mm Anvils Rings
- Stainless Steel 10 mm Gasket Blanks
- Ruby Powder
- Gasket Indenter
- Diacell® Anvil Jigs

Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Support Plate	Tungsten Carbide
Pressure Mechanism	Screw Drive
Maximum Pressure	100 GPa
Top/Bottom Angles	50 ° / 52 °
DAC Diameter / Height	52 mm / 29 mm
Working Distance to Sample	12 mm
Numerical Aperture	0.42

Specifications subject to change without prior notice.
easyLab and Diacell are registered trademarks of Almax easyLab

www.almax-easyLab.com

Almax easyLab bv
Wagenmakerijstraat 5
8600 Diksmuide
Belgium
Ph: +32 51 55 56 37

Almax easyLab Inc
Harvard Square -1, Mifflin Place
Cambridge, MA 02138
United States of America
Ph: + 1 617 701 7245

© Almax easyLab 2025
All rights reserved
Ref: ML19_08 Rev 2