



## Products



Diacell® Diaclamp

### RELATED PRODUCTS:

- Diacell® SymmDAC 60
- Optiprex Ruby Line
- Böhler 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

## 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.

### 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.  
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