



Vacuum chuck of ceramics



Tasks

Precise clamping and handling of workpieces, which can not be fixtured mechanically. Fields of applications:

- › Measuring technology
- › Medicine technology
- › Electronic industry

Design / construction

The body of the clamping plates is made of either natural hardstone - granite or ceramic materials. Depending on it's application, the clamping plates are equipped with micro holes and/or micro-fine suction grooves. Partial faces can be switched seperately.

Technical data

- › Dimensions: Diameter 320 mm, height 50 mm
- › Flatness of the clamping surface: 0,001 mm
- › Parallelism clamping surface to lower contact face: 0,001

Application area

To be used for safe as well as high-precise clamping and handling of thin-walled work-pieces and transparencies, which can not be fixated mechanically. Suitable for almost every machining methods and materials.

Machining methods:

- › Engraving
- › Electrical discharge machining
- › Coating
- › Milling

Materials:

- › Glass
- › Metal
- › Graphite
- › Ceramic
- › Titan

Application Areas:

- › Metrology
- › Engraving technology
- › Electronic-, Semiconductor industry
- › Optics

Other dimensions, geometries, accuracies as well as application-oriented insertion of the fine clamping flutes and/or micro-drilled holes on request.