

DIAPHRAGM CHUCK

FDC Floating Diaphragm Chuck

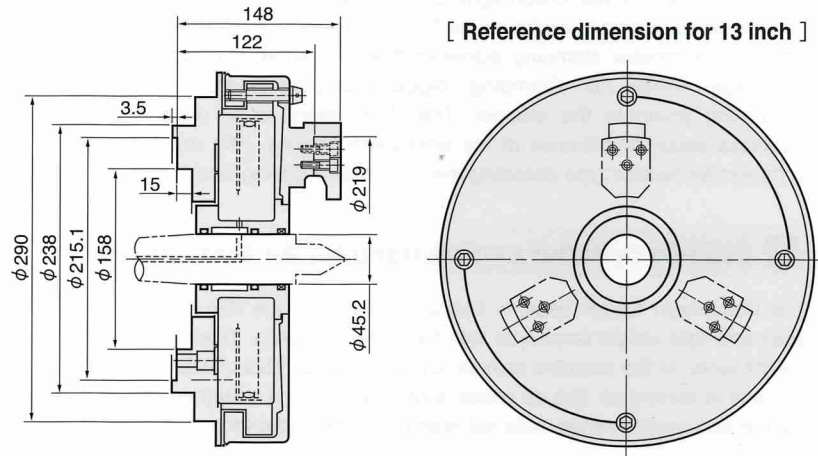
"High Precision" "For precise machining" "Floating structure" "Dust protection" "Design specification"



※ The chuck is air idler specification.

The FDC [Floating Diaphragm Chuck] is the center compensation diaphragm chuck used for highly precise grinding processes of crank shafts and cam shafts by both centers. The shaft work-piece installed between the center of the tail side and fixed center on the grinding machine head side as both centers is clamped by spring reaction force of diaphragm. Light-weight diaphragm floats freely in the range of the 0.1mm, and the irregular run-out of the revolving driving unit is absorbed, so it enables to do highly precise process.

Dimension diagram



Chuck size	6 · 8 · 10 · 13
Built in cylinder	Supply air pressure : over 0.55 MPa
Air supply method	① Supply air from outside of chuck by air idler specification ② Making air circuit inside of fixed center then through air supply from grinding machine
Other	To make special jaws according to clamping diameter

* For details, please contact our sales staff.

Equipment and Operation

