

DIAPHRAGM CHUCK

# FDC Floating Diaphragm Chuck

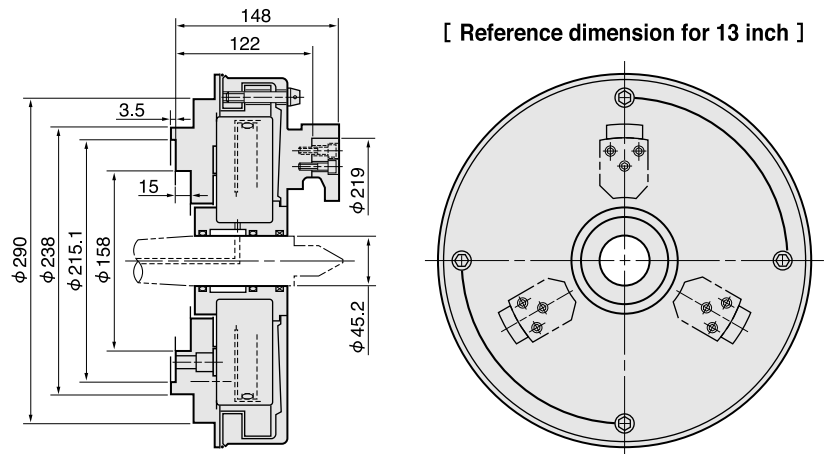
"High Precision" "For precise machining" "Floating structure" "Dust protection" "Design specification"



※ Photo 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. Lightweight 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



<b>Chuck size</b>	6 • 8 • 10 • 13
<b>Built in cylinder</b>	Supply air pressure : over 0.55 MPa
<b>Air supply method</b>	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.
<b>Other</b>	To make special jaws according to clamping diameter.

\* For details, please contact our sales staff.

Equipment and Operation

