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DYNAMIC PRESSURE BEARING DEVICES AND
METHOD FOR MANUFACTURING THE SAME

ABSTRACT

A dynamic pressure bearing device includes a dynamic pressure bearing member that generates a dynamic pressure by pressurizing a lubrication fluid by a dynamic pressure generation device, and supports a rotary shaft by the dynamic pressure generated in the lubrication fluid, a thrust dynamic pressure bearing member formed by an end face in an axial direction of the dynamic pressure bearing member and an end face in an axial direction of a rotary member that rotates together with the rotary shaft, which are disposed opposite each other in the axial direction, and a fluid sealing section for preventing the lubrication fluid in the thrust dynamic pressure bearing member from leaking outside, provided adjacent to an outer side section in a radial direction of the thrust dynamic pressure bearing member and defined by an outer circumference wall surface of the dynamic pressure bearing member. The outer circumference wall surface of the dynamic pressure bearing member has an inclined outer surface having diameters that decrease in the axial direction, and a ridge section located removed in the axial direction from the fluid sealing section, wherein the outer circumference wall surface of the dynamic pressure bearing member is receded in the radial direction along the ridge section than the inclined outer surface of the dynamic pressure bearing member.



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