CLAIMS

[Claim 1]

An oil-impregnated iron-based sintered bearing comprising an iron-based sintered bearing having an inner circumferential surface for supporting a shaft,

the iron-based sintered bearing having an overall composition comprising, by mass ratio: 2.0 to 9.0 % copper; 0.5 to 1.3 % carbon; and the balance of iron and unavoidable impurities, and the iron-based sintered bearing having a density of 5.3 to 5.7 Mg/m^3 and an air permeability of 70×10^{-11} to 200×10^{-11} cm^2,

wherein the inner circumferential surface of the iron-based sintered bearing comprises, by area ratio: 8 to 40 % copper phase; 25 to 55 % pores; 1 to 5 % graphite phase; and the balance iron base,

wherein, on the inner circumferential surface of the iron-based sintered bearing, an area occupied by pores having a circle equivalent diameter of 75 μm or more is 70 % or more, with respect to the area of all the pores, an area occupied by pores having a circle equivalent diameter of 45 μm or more and of less than 75 μm is 0.1 to 10 %, and the balance area is occupied by pores having a circle equivalent diameter of less than 45 μm, and

the iron base has a metallographic structure which includes 20 % by area ratio or more of ferrite.