ABSTRACT

Provided is hot work tool steel powder for additive manufacturing with which an additively manufactured hot work tool steel object having excellent crack resistance during manufacturing can be produced. Hot work tool steel powder for additive manufacturing and an additively manufactured hot work tool steel object contain, by mass%, 0.10% ≦ C ≦ 0.24%, 0.01% ≦ Si ≦ 0.50%, 0.01% ≦ Mn ≦ 0.19%, 3.6% ≦ Cr ≦ 4.4%, one or two of Mo and W according to a relationship formula (Mo + 1/2 W): 2.0% ≦ (Mo + 1/2W) ≦ 3.4%, 0.2% ≦ V ≦ 0.9%, with a remainder being Fe and unavoidable impurities, and satisfy formula (1): C + Si/30 + (Mn + Cr)/20 + (Mo + 1/2W)/15 + V/10 ≦ 0.63.

FIG. 1