

ABSTRACT

A cold forging steel and a manufacturing method therefor. The cold forging steel comprises the following chemical elements in percentage by mass: C: 0.170-0.220%, Si: 0.10-0.30%, Mn: 1.00-1.20%, S: 0.010-0.020%, Cr: 1.10-1.30%, Al: 0.015-0.045%, N: 0.0100-0.0180%, and Ti: 0.040-0.100%, with the balance being Fe and inevitable impurities. The cold forging steel has excellent plasticity and cold working properties. Compared with a conventional cold forging steel, when the present cold forging steel is used to produce and manufacture a forged part (in particular a high-precision forged part, such as a gear), energy can be effectively saved, and environmental pollution is reduced.

[FIG. 1]