

SURFACE-TREATED STEEL SHEET PART HAVING CUT END SURFACE, AND
CUTTING METHOD THEREFOR

ABSTRACT

With regard to a part having a cut end surface using a surface-treated steel sheet as the source material, provided are a part for which the cut end surface has excellent durability, and a cutting method therefor. In this part that includes a cut end surface consisting of a surface-treated steel sheet that has been cut, the shape of the cut end surface is such that the length of a first shear droop occurring in the sheet thickness direction is at least 0.10 times the sheet thickness of the surface-treated steel sheet, and the length of a second sheer droop occurring in the planar direction is at least 0.45 times the sheet thickness of the surface-treated steel sheet. Furthermore, in the cutting process a die is used for which the clearance between the punch and the die is 1-20% of the plate thickness of the surface-treated steel plate, and the shoulder portion of the die and/or the punch is provided with a radius of curvature of at least 0.12 times the plate thickness of the surface-treated steel plate.

[FIG. 2]