

METHOD OF DESIGNING ROLLED H-SECTION STEEL, ROLLED H-SECTION STEEL, AND METHOD OF MANUFACTURING ROLLED H-SECTION STEEL

A method of designing a rolled H-section steel includes: setting a height dimension H from an upper flange to a lower flange, a width dimension W of each of the upper flange and the lower flange, a plate thickness t_w of a web, and a plate thickness t_f of each of the upper flange and the lower flange so that, when it is assumed that a value obtained by dividing a second moment of area I_x about a strong axis by an outer circumferential length L_p in a cross-sectional shape when viewed in a cross section perpendicular to a member axis direction is a surface treatment economy I_x/L_p and an area of the cross-sectional shape is S , a predetermined relational formula is satisfied.

FIG. 3