

[Document Type] Abstract

[Title of the Invention] HAT-TYPE STEEL SHEET PILE

A hat-type steel sheet pile extends in a longitudinal direction. A relationship between a sectional area A (cm^2/m) and a sectional moment of inertia I (cm^4/m) satisfies Expression (1). When a distance between a first intersection point P1 and the cross-sectional gravity center line M is represented by $D1$ (mm), and a distance between second intersection points P2 is represented by $D2$ (mm), Expression (2A) and Expression (2B), Expression (3A) and Expression (3B), Expression (4A) and Expression (4B), or Expression (5A) and Expression (5B) are satisfied.

$$A < 0.00252I + 94.4 \cdots (1)$$

$$262.6 < D1 < 281.0 \cdots (2A)$$

$$496.9 < D1 < 520.9 \cdots (3A)$$

$$621.5 < D1 < 650.9 \cdots (4A)$$

$$625.2 < D1 < 654.8 \cdots (5A)$$

$$484.0 < D2 < 499.0 \cdots (2B)$$

$$474.0 < D2 < 489.0 \cdots (3B)$$

$$476.0 < D2 < 491.0 \cdots (4B)$$

$$474.0 < D2 < 489.0 \cdots (5B)$$

FIG. 1