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Fixed Outer Dimension' and 'Steel Pipe'

Development of a Process for Manufacturing Rolled H-Shapes with Light-Webs

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Synopsis:

A process for manufacturing light-web rolled H-shape

cool the upper surface of the web and increase the tem-

heating suffers from a decrease in the rolling efficiency due to the heating time required and an increase in the

Flat water-cooling

Read of data

Section size, cooling condition, temperature distribution at RU exit, chemical composition, etc.

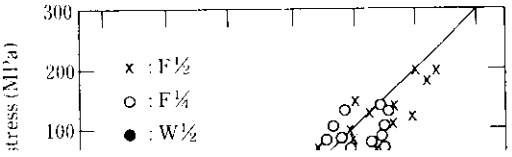

Table 1 Dimension of light-web H-shapes

Thickness ratio (t_f/t_w)	≤3.0
Web depth (H)	490 – 900

4 Study on Tandem Rolling in Roughing Universal Mills

web, in addition to the above-mentioned residual stress problem that causes web buckling. Here, a deterioration of the material quality means an increase in the yield

the web reduction in a usual FU rolling is as low as a few percent.

ties (H: 550 × 200 × 6 × 16 mm)

the FU mill.

(3) The web temperature was maintained by tandem