

Title (en)

X-H ROLLING METHOD FOR PARALLEL-FLANGE STEEL SECTIONS (SUPPORTS)

Title (de)

ARBEITSVERFAHREN ZUM X-H-WALZEN VON PARALLELFLANSCHIGEN STAHLPROFILEN (-TRÄGERN)

Title (fr)

PROCEDE DE LAMINAGE X-H DE PROFILES (SUPPORTS) EN ACIER A BRIDES PARALLELES

Publication

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Application

EP 02758349 A 20020717

Priority

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Abstract (en)

[origin: US2004221636A1] The invention relates to an X-H rolling method for parallel-flange steel sections (supports) with an H profile, in a tandem operation in a compact roll group, consisting of a first universal frame, an upsetting frame located downstream of the latter and a subsequent second universal frame. The rolls of the frames have surfaces that run at a slant or vertically in relation to the roll axes. According to the invention, if vertical rolls comprising rolling surfaces that are inclined away from one another at an angle of between 0 and 10° are used in the first universal frame and vertical rolls comprising cylindrical rolling surfaces are used in the second universal frame, the lateral surfaces of the horizontal rolls, which together with the rolling surfaces of the vertical rolls form the H pass, are inclined at an angle of approximately 0 to 0.5°, thus obtaining in the second universal frame a reduction of the material to be rolled that equates to approximately 0-100% of the reduction attained in the first universal frame.

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CPC (source: EP KR US)

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