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KAWASAKI STEEL GIHO  
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Å I j H Å Á o 590 MPa ½ÆSA440Ç : Q š ! & k ¥ ¼Ä . X h , O . ç }

Steel confirmed that it can ensure good mechanical property of pipes to which heat treatment is applied after receiving plastic deformation, and also obtain a good weld metal of the fabricated box section.

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高強度・高靱性 590 MPa 鋼 (SA440) を使用した  
建築鉄骨の加工条件の究明\*

川崎製鉄技報  
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Study of the Fabrication Method of 590 MPa Steel (SA440)  
with High Tensile Strength and High Ductility

要旨

新しい高強度・高靱性の 590 MPa 鋼 (SA440 鋼) は焼入-二相

る。

## 2 SA440 鋼の特徴

Table 3 に高性能 590 MPa 鋼の要求性能を示す。

### 4.1.3 試験内容

- (1) 実際の管を造管する前に予備試験として、外径  $700\phi$  × 板厚  $60\text{mm}$  に相当する曲率 ( $R/D = 0.49$ ) の鋼板の予備試験



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Table 9 Results of the Charpy V-notch tests

TP	Charpy V-notch	TP	Charpy V-notch	TP	Charpy V-notch
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