



# Development of Fixed Outer Dimension H-Shapes "Super HISLEND-H"\*

*Synopsis:*

*After ten years of technical research into the production*

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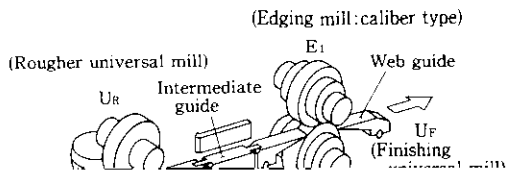
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nesses vary within the same series (nominal dimensions) of H-shapes, which means that the outer dimensions of the product will necessarily vary when the inner dimensions are fixed.

A comparison of H-shapes with fixed inner dimensions and fixed outer dimensions is shown in Figure 10.

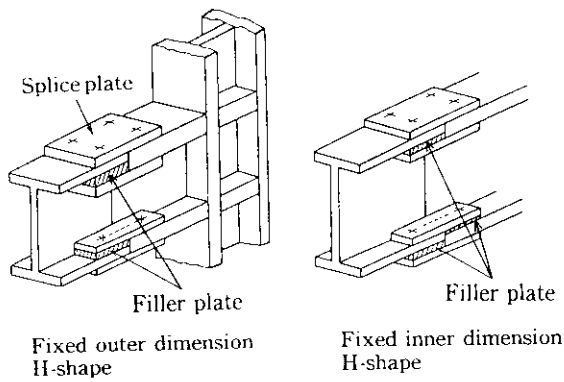


Fig. 4 Application of fixed inner and outer dimension H-shape

### 3 Development of Fixed Outer Dimension H-Shapes

#### 3.1 Features of New Product

The most important feature of the new line of H-shapes, which is called Super HISLEND-H, is that all outer dimensions are uniform within each series, as shown in Fig. 3. This solved one fundamental problem with conventional H-shapes, but the new line was also designed to meet several other user requirements. The main improvements incorporated into the product design concept are discussed below.

##### 3.1.1 Fixed outer dimensions

Outer dimensions are fully fixed. In other words, within any series, the outer dimensions of the web

therefore been considered highly desirable since H-shapes first appeared on the market. Users of rolled H-shapes have also expressed other needs, but it should be

simple, regular dimensions of the line (400, 450, ...), the design and execution of structural column connections and girders joints are simple. The dimensions are

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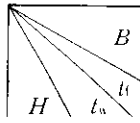
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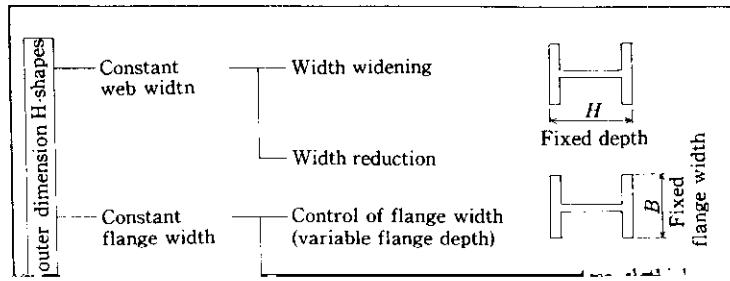
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Table 1. Curves HIGLEND II-1

	150					200					250					300					
	9	12	16	19	22	9	12	16	19	22	25	28	12	16	19	22	25	28	10	12	14







# REPORT

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