

# JIS

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## JAPANESE INDUSTRIAL STANDARD

### Fish Plates for Light Rails

☞ JIS E 1104—1978



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## JAPANESE INDUSTRIAL STANDARD

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## Fish Plates for Light Rails

E 1104-1978  
(Reaffirmed: 1983)1. Scope

This Japanese Industrial Standard specifies the fish plates for rails specified in JIS E 1103, hereinafter referred to as the "fish plates".

Remark: The units and numerical values given in { } in this standard are in accordance with the International System of Units (SI), and are appended for reference.

2. Classification

The fish plates shall be classified into six classes as follows:

Fish plates for 6 kg rail  
 Fish plates for 9 kg rail  
 Fish plates for 10 kg rail  
 Fish plates for 12 kg rail  
 Fish plates for 15 kg rail  
 Fish plates for 22 kg rail

3. Properties of Material

3.1 Chemical Composition The chemical composition of the fish plates shall conform to Table 1.

Table 1

Chemical composition (%)				
C	Si	Mn	P	S
0.20 to 0.40	0.40 max.	0.40 to 0.80	0.050 max.	0.050 max.

3.2 Mechanical Properties The mechanical properties of the fish plates (tensile strength and elongation) shall conform to Table 2.

Table 2

Tensile strength kgf/mm <sup>2</sup> {N/mm <sup>2</sup> }	Elongation (%)
45 {441} min.	18 min.

Applicable Standards: See page 4.