

JIS

JAPANESE INDUSTRIAL STANDARD

Tie Plates

 **JIS E 1110**—1988

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



1. Scope

This Japanese Industrial Standard specifies the ordinary tie plate, hereinafter referred to as the "tie plates", to be used when binding the rails specified in JIS E 1101 with the wooden sleepers.

2. Classification

The tie plates shall be divided in four classes as given in Table 1 according to the class and the use of rail.

Table 1. Classification of Tie Plates

Class		Use
For 30 kg rail		To be used when binding the rails by spikes directly.
For 37 kg and 40 kgN rail		
For 50 kg and 50 kgN rail	E type	
For 50 kg and 50 kgN rail	F type	To be used when binding rails elastically together with plate springs, bolts, nuts and the like.

3. Shape and Size

The shape and size of tie plate shall be as given in Attached Figs. 1 to 4 and dimensional tolerance shall be as shown in Table 2.

Applicable Standards:

JIS E 1101-Rails

JIS G 3101-Rolled Steel for General Structure