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JIS

JAPANESE INDUSTRIAL STANDARD

Testing methods for steel tire cords

JIS G 3510—1992

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

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1. Scope

This Japanese Industrial Standard specifies the testing methods for steel tire cords (hereinafter referred to the "cords").

Remarks: Applicable Standards to this Standard are the following:

JIS B 7502-Micrometer Callipers for External Measurement

JIS B 7721-Tensile Testing Machines

JIS K 0119-General Rules for X-Ray Fluorescence Spectrometric Analysis

JIS K 0121-General Rules for Atomic Absorption Spectrochemical Analysis

2. Definitions

For the purposes of this standard, the following definitions apply:

(1) element wire Single wire composing a cord.

(2) strand Small cord made by twisting several element wires.

(3) steel tire cords Cord composed of one or plural strands.

(4) core Element wire or strand to be used as the centre in the cord.

(5) inner sheath Layer of the element wires of the core and the surface layer, or of the element wires lying midway of the strand, or of the strand. This shows the midway layer of three layer construction of 3 + 9 + 15 and the like.

(6) outer sheath Layer of the element wires or the strands, which lie on the surface of cord.

(7) lapping Element wires wound on the cord spirally.

(8) cord diameter Diameter of the circumscribed circle of cord.

Informative reference: There are the cases including lapping and the case excluding it (mm).

(9) diameter of element wire Diameter of element wire (mm)

(10) twisting direction Direction in which the cord, strand or lapping is twisted. This direction is expressed by S or Z as shown in Fig. 1.