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(T.C.JIS.MFR.ASSN./JSA)

Road vehicle—Tyre chains

ICS 43.040.99; 77.140.65; 83.160.10

Descriptors : private cars, tyres, chains, skid chains

Reference number : JIS D 4241 : 2000 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by the Tyre Chains Jis Manufacturers Association (T.C.JIS. MFR.ASSN.)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS D 4241 : 1993** is replaced with this Standard.

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Road vehicle—Tyre chains

1 Scope This Japanese Industrial Standard specifies steel tyre chains to be attached to wheel tyres for slip prevention of the automobile (excluding two-wheeled vehicles, industrial vehicles, construction machines and agricultural machines) during the runs on such a road as snowy, frozen and muddy (hereafter referred to as “chains”).

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 3101 *Rolled steels for general structure*

JIS G 3131 *Hot-rolled mild steel plates, sheets and strip*

JIS G 3505 *Low carbon steel wire rods*

JIS G 3532 *Low carbon steel wires*

JIS G 4106 *Manganese steels and manganese chromium steels for machine structural use*

JIS Z 2245 *Rockwell hardness test—Test method*

3 Definitions For the purposes of this Standard, the following main definitions apply (see Attached Fig. 1).

- a) **side chain** A part of chain comprising a required number of side links joined. Side links are symbolized by A, which is followed by a numeral (mm) representing the wire diameter.
- b) **cross chain** A part of chain comprising a required number of cross links joined. Cross links are symbolized by B, which is followed by a numeral (mm) representing the wire diameter.
- c) **connector** Metal parts for connecting a cross chain with side chains. These are symbolized by C, which is followed by a numeral (mm) representing the wire diameter.
- d) **end link** A link for connecting fastener plate with an end of side chain. It is symbolized by D, which is followed by a numeral (mm) representing the wire diameter.
- e) **fastener/hook** Metal fittings for coupling an end of side chain to adjust link. These are fastener plate (symbol E), hook wire (symbol G) and hook plate (symbol H). A numeral (mm) representing the wire diameter of the side link to be combined is attached following the respective symbols. Although those of the same numeral are combined in general, there may be the cases combining E5 with A6 and E7 with A8.
- f) **stopper** A metal part for preventing the fastener plate from becoming disengaged. It is symbolized by F, which is followed by a numeral (mm) representing the wire diameter. The wire diameter of F6 shall be 5 mm and of F9 shall be 8 mm.