
Tyre classification — Agricultural, forestry and construction machines

Classification des pneumatiques — Machines agricoles, engins forestiers et engins de construction

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 5, *Agricultural tyres and rims*.

Tyre classification — Agricultural, forestry and construction machines

1 Scope

This document specifies the classification codes for agricultural and forestry tractors and machines.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4223-1, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Tyre classification and tyre nomenclature

Definitions of tyres depending on their purpose are given in [Table 1](#).

Nomenclature and classification code markings are given in [Table 2](#).

The classification code is not part of the size marking and its use is optional. When used, the code shall be clearly separated from the size marking on the tyres.

Table 1 — Definition of tyres depending on their purpose

Tractor-drive wheel tyre	A tyre designed to be fitted to driven axles of agricultural and forestry tractors suitable for sustained high torque service.
Tractor-steering wheel tyre	A tyre designed to be fitted to non-driven axles of agricultural and forestry tractors.
Implement tyre	A tyre designed primarily for agricultural machines or implements or for agricultural trailers that is not suitable for sustained high torque service.
Traction tyre	A tyre designed primarily for the equipment of driven (trailed) axles of implements or agricultural machinery, excluding sustained high torque services.
Trailer tyre	A tyre designed for the equipment of non-driven (trailed) axles of implements agricultural machinery or trailers.
Logging and forestry service tyre	Special design agricultural tyre suitable for forestry application.
High flotation tyres	A class of tyres designed with larger volume that may provide lower surface contact pressure than tyres with similar overall diameters typically with a three-part size designation. (Nominal overall diameter × Nominal section width – Rim diameter code)

Table 2 — Tyre classification code and tyre nomenclature

Classification code	Tyre nomenclature
R	Agricultural tractor drive wheel tyres
R-1	Regular service (tread)
R-1W	Wet traction service
R-1S	Sprayer/spreader service
R-2	Cane and rice service (deep tread)
R-3	Flotation service (shallow tread)
R-4	Industrial service (construction application)
F	Agricultural tractor steering wheel tyres (non-traction pattern)
F-1	Agricultural single rib tread
F-2	Agricultural multiple rib tread
F-3	Industrial service (construction application)
I	Agricultural implement tyres
I-1	Multi-rib tread
I-2	Moderate traction service
I-3	Traction tread
I-4	Plow tail wheel service
I-5	Steering service
I-6	Smooth tread
G	Garden tractor tyres (implement tyres)
G-1	Regular traction service
G-2	Turf traction service
G-3	Maximum flotation service
LS	Logging and forestry service tyres
LS-1	Regular tread
LS-2	Intermediate tread
LS-3	Deep tread
LS-4	Shallow tread
HF	High flotation tyres
HF-1	Shallow tread
HF-2	Regular tread
HF-3	Deep tread
HF-4	Extra deep tread