

Council directive 92/23/EEC of 31 March 1992 relating to tyres
for motor vehicles and their trailers and to their fitting (repealed)

Article 1	.....
Article 1a	.....
Article 2	.....
Article 3	.....
Article 4	.....
Article 5	.....
Article 6	.....
Article 7	.....
Article 8	.....
Article 9	.....
Article 10	.....
Article 10a	.....
Article 11	.....
Article 12	.....

ANNEX I

ADMINISTRATIVE PROVISIONS FOR THE EC TYPE-APPROVAL OF TYRES

1.	APPLICATION FOR THE EC TYPE-APPROVAL OF A TYPE OF TYRE...
1.1.	.....
1.1.1.	.....
1.1.1.1.	.....
1.1.1.2.	.....
1.1.2.	.....
1.1.2.1.	.....
1.1.2.2.	.....
1.2.	.....
1.3.	.....
2.	INSCRIPTIONS
2.1.
3.	EC TYPE-APPROVAL
3.1.
3.1.1.
3.1.2.
3.2.1.
3.3.
4.	EC TYPE-APPROVAL MARKING
4.1.
4.2.
4.2.1.

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- 4.3.
- 4.4.
- 4.5.
- 5. MODIFICATION OF A TYRE TYPE
 - 5.1.
 - 5.2.
 - 5.3.
 - 5.4.
- 6. CONFORMITY OF PRODUCTION
 - 6.1.
 - 6.2.

Appendix 1

INFORMATION DOCUMENT No ... RELATING TO EC TYPE-APPROVAL FOR A TYPE OF TYRE

Appendix 2

EC TYPE-APPROVAL CERTIFICATE

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.....

Appendix 3

Appendix 4

ANNEX II

REQUIREMENTS FOR TYRES

- 1. DEFINITIONS
- 2. For the purposes of this Directive:
 - 2.1.
 - 2.1.1.
 - 2.1.2.
 - 2.1.3.
 - 2.1.4.
 - 2.1.5.
 - 2.1.6.
 - 2.1.7.
 - 2.2.
 - 2.3.
 - 2.3.1.

2.3.2.	.....
2.3.3.	.....
2.3.4.	.....
2.3.5.	.....
2.3.6.	.....
2.4.	.....
2.5.	.....
2.6.	.....
2.7.	.....
2.8.	.....
2.9.	.....
2.10.	.....
2.11.	.....
2.12.	.....
2.13.	.....
2.14.	.....
2.15.	.....
2.16.	.....
2.17.	.....
2.17.1.	.....
2.17.1.1.	.....
2.17.1.2.	.....
2.17.1.3.	.....
2.17.1.4.	.....
2.18.	.....
2.19.	.....
2.20.	.....
2.21.	.....
2.22.	.....
2.23.	.....
2.24.	.....
2.25.	.....
2.26.	.....
2.27.	.....
2.28.	.....
2.28.1.	.....
2.28.2.
2.28.3.
2.29.
2.29.1.
2.29.2.
2.29.3.
2.29.4.
2.29.5.
2.30.
2.30.1.
2.31.
2.31.1.
2.31.2.
2.31.3.
2.31.4.
2.32.
2.33.

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- 2.34.
- 2.35.
- 2.36.
- 2.37.

3. MARKING REQUIREMENTS

- 3.1.
 - 3.1.1.
 - 3.1.2.
 - 3.1.3.
 - 3.1.3.1.
 - 3.1.3.2.
 - 3.1.3.3.
 - 3.1.4.
 - 3.1.5.
 - 3.1.6.
 - 3.1.6.1.
 - 3.1.7.
 - 3.1.8.
 - 3.1.9.
 - 3.1.10.
 - 3.1.11.
 - 3.1.12.
- 3.2.
- 3.3.
- POSITION OF MARKINGS
- 3.4.
 - 3.4.1.
 - 3.4.2.

(4.)

(5.)

(6.) 6.1.

- 6.1.
 - 6.1.1.
 - 6.1.1.1.
 - 6.1.1.2.
 - 6.1.2.
 - 6.1.2.1.
 - 6.1.2.2.
 - 6.1.3.
 - 6.1.4.
 - 6.1.4.1.
 - 6.1.4.2.
 - 6.1.4.2.1.
 - 6.1.4.2.2.
 - 6.1.4.2.3.
 - 6.1.4.2.4.
 - 6.1.5.
 - 6.1.5.1.
 - 6.1.5.2.

- 6.1.5.3.
- 6.1.5.3.1.
- 6.1.5.3.2.
- 6.1.5.4.
- 6.2.
- 6.2.1.
- 6.2.2.
- 6.2.3.
- 6.2.4.
- 6.2.5.
- 6.2.6.
- 6.3.
- 6.3.1.
- 6.3.2.
- 6.3.3.

Appendix 1

Explanatory figure

Appendix 2

LIST OF SYMBOLS OF LOAD-CAPACITY INDICES (LI) AND
CORRESPONDING MAXIMUM MASS TO BE CARRIED (GK)

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Appendix 3

ARRANGEMENT OF TYRE MARKINGS

PART A: PASSENGER CAR TYRES

PART B: COMMERCIAL VEHICLE TYRES

Appendix 4

RELATIONSHIP BETWEEN THE PRESSURE INDEX AND THE UNITS OF PRESSURE

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Appendix 5

MEASURING RIM, OUTER DIAMETER AND SECTION
WIDTH OF TYRES OF CERTAIN SIZE DESIGNATIONS

PART A: PASSENGER CAR TYRES

PART B: COMMERCIAL VEHICLE TYRES

Appendix 6

METHOD OF MEASURING TYRE DIMENSIONS

PART A: PASSENGER CAR TYRES

- 1.1.
- 1.2.
 - 1.2.1.
 - 1.2.2.
 - 1.2.3.
 - 1.2.4.
 - 1.2.5.
- 2.
- 3.
- 4.
- 5.

PART B: COMMERCIAL VEHICLE TYRES

- 1.
- 2.
- 3.
- 4.
- 5.

Appendix 7

LOAD/SPEED TEST-PROCEDURE

PART A: PASSENGER CAR TYRES

- 1. Preparing the tyre
 - 1.1.
 - 1.2.
 - 1.3.
 - 1.4.
 - 1.5.

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- 2. Carrying out the test
 - 2.1.
 - 2.2.
 - 2.2.1.
 - 2.2.2.
 - 2.3.
 - 2.4.
 - 2.5.
 - 2.5.1.
 - 2.5.2.
 - 2.5.3.
 - 2.5.4.
 - 2.5.5.
 - 2.5.6.

3. Equivalent test methods

PART B: COMMERCIAL VEHICLE TYRES

- 1. Preparing the tyre
 - 1.1.
 - 1.2.
 - 1.3.
 - 1.4.
 - 1.5.
- 2. Test procedure
 - 2.1.
 - 2.2.
 - 2.3.
 - 2.4.
 - 2.5.
- 3. Equivalent test methods

Appendix 8

VARIATION OF LOAD CAPACITY WITH SPEED

ANNEX III

ADMINISTRATIVE PROVISIONS FOR THE TYPE-APPROVAL OF
VEHICLES WITH REGARD TO THE FITTING OF THEIR TYRES

- 1. APPLICATION FOR THE EC TYPE-APPROVAL OF A VEHICLE TYPE
 - 1.1.
 - 1.2.
 - 1.3.
 - 1.4.
- 2. EC TYPE-APPROVAL OF A VEHICLE
 - 2.1.

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- 2.2.
- 2.3.
- 3. MODIFICATION OF VEHICLE TYPE
 - 3.1.
 - 3.1.1.
 - 3.1.2.
 - 3.2.
- 4. CONFORMITY OF PRODUCTION
 - 4.1.
 - 4.2.
 - 4.3.
 - 4.4.
 - 4.4.1.
 - 4.5.
- 5. PRODUCTION DEFINITELY DISCONTINUED

Appendix 1
INFORMATION DOCUMENT No...

Appendix 2
MODEL

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ANNEX IV
REQUIREMENTS FOR VEHICLES WITH
REGARD TO THE FITTING OF THEIR TYRES

- 1. DEFINITIONS
- 2. For the purpose of this Directive:
 - 2.1.
 - 2.2.
 - 2.3.
 - 2.4.
 - 2.5.
 - 2.6.
 - 2.7.
 - 2.7.0.
 - 2.7.1.
 - 2.7.1.1. category 1
 - 2.7.1.2. category 2
 - 2.7.1.3. category 3
 - 2.7.1.4. category 4

2.8.	.....
2.9.	.....
2.10.	.....
2.11.	.....
3.	REQUIREMENTS FOR VEHICLES WITH REGARD TO THE FITTING OF THEIR...
3.1.	General
3.1.1.	.....
3.2.	Tyre fitment
3.2.1.	.....
3.2.2.	.....
3.2.3.	.....
3.3.	Load capacity
3.3.1.	.....
3.3.1.1.	.....
3.3.1.2.	.....
3.3.1.3.	.....
3.3.1.4.	.....
3.4.	Speed capacity
3.4.1.	.....
3.4.2.	.....
3.4.2.1.	.....
3.4.2.2.	.....
3.5.	Spare tyre
3.5.1.	.....
3.5.1.1.	.....
3.5.1.2.	.....
3.5.2.	.....
3.5.2.1.	.....
3.5.2.2.	.....
3.5.2.3.	.....
3.5.2.4.	.....
3.6.	Inflating device of temporary-use spare unit:
3.6.1.	.....
3.7.	Special cases
3.7.1.	.....
3.7.2.	.....
3.7.2.1.	.....
3.7.2.2.	.....
3.7.2.3.	.....
3.7.3.	.....
3.7.4.	.....
3.8.	Specifications for temporary-use spare units
3.8.1.	.....
3.8.2.	.....
3.8.3.	.....

ANNEX V

TYRE/ROAD NOISE EMISSION

1. SCOPE
2. DEFINITIONS
3. MARKING REQUIREMENTS
 - 3.1.
4. TYRE/ROAD NOISE EMISSION REQUIREMENTS
 - 4.1. General requirements
 - 4.2.

Appendix 1

TEST METHOD FOR TYRE-ROAD SOUND LEVELS COAST-BY METHOD

0. Introduction
1. Measuring instruments
 - 1.1. Acoustic measurements
 - 1.1.1. Calibration
 - 1.1.2. Compliance with requirements
 - 1.1.3. Positioning of the microphone
 - 1.2. Speed measurements
 - 1.3. Temperature measurements
 - 1.3.1. Air temperature
 - 1.3.2. Test surface temperature
 - 1.4. Wind measurement
2. Conditions of measurement
 - 2.1. Test site
 - 2.2. Meteorological conditions
 - 2.3. Ambient noise
 - 2.4. Test vehicle requirements
 - 2.4.1. General
 - 2.4.2. Vehicle load
 - 2.4.3. Wheelbase
 - 2.4.4. Measures to minimise vehicle influence on sound level measurements
 - 2.5. Tyres
 - 2.5.1. General
 - 2.5.2. Tyre loads
 - 2.5.3. Tyre inflation pressure
 - 2.5.4. Preparations prior to testing
3. Method of testing
 - 3.1. General conditions
 - 3.2. Nature and number of measurements
 - 3.3. Test speeds
4. Interpretation of results

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- 4.1. Determination of test result
- 4.2. Regression analysis of noise measurements
- 4.3. Temperature correction
- 4.4.
- 4.5.

Appendix 2 TEST REPORT

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ANNEX VI SPECIFICATIONS FOR THE TEST SITE

- 1. Introduction
- 2. Required characteristics of the surface
 - 2.1. Residual voids content
 - 2.2. Sound absorption coefficient
 - 2.3. Texture depth
 - 2.4. Homogeneity of the surface
 - 2.5. Period of testing
- 3. Test surface design
 - 3.1. Area
 - 3.2. Design and preparation of the surface
 - 3.2.1. Basic design requirements
 - 3.2.2. Design guidelines
- 4. Test method
 - 4.1. Measurement of the residual voids content
 - 4.2. Sound absorption coefficient
 - 4.3. Volumetric macrotexture measurement
- 5. Stability in time and maintenance
 - 5.1. Age influence
 - 5.2. Maintenance of the surface
 - 5.3. Repaving the test area
- 6. Documentation of the test surface and of tests performed on...
 - 6.1. Documentation of the test surface
 - 6.2. Documentation of vehicle noise tests conducted on the surface