

Tyres and wheels —

Part 1: Tyres —

Section 0: General —

Subsection 1: Method of test for measuring tyre uniformity

ICS 43.040.50; 83.160.01

National foreword

This British Standard reproduces verbatim ISO 13326:1998 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee AUE/4, Tyres and wheels for motor vehicles, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, pages ii to iv, pages 1 to 10 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 May 1999

© BSI 02-2000

ISBN 0 580 30624 0

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
National foreword	Inside front cover
Foreword	iii
Text of ISO 13326	1

INTERNATIONAL STANDARD

**ISO
13326**

First edition
1998-12-15

Test methods for measuring tyre uniformity

Méthodes de mesure de l'uniformité du pneumatique



Contents

	Page
Foreword	iii
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Test equipment and its requirements	3
4.1 Apparatus for measurement of forces and geometry	3
4.1.1 General	3
4.1.2 Structural resonant frequencies	4
4.1.3 External vibrations	4
4.2 Test drum	4
4.3 Test rim	4
4.4 Measuring system	5
4.5 Type inflation and deflation	5
4.6 Optional instrumentation	5
4.7 Ambient conditions	5
5 Testing	5
5.1 Preparation of the tyre for measurement	5
5.2 Measurement of forces	5
5.3 Measurement of geometrical parameters	6
6 Data interpretation	7
6.1 Forces	7
6.2 Geometry	8
7 Accuracy of the instrumentation	8
8 Accuracy of the calibration system	8
Annex A (informative) Optional test conditions	9
A.1 Purpose	9
A.2 Test wheels	9
A.3 Test mean radial force	9
Figure 1 — Reference axis system for forces	2
Figure 2 — Examples of wave shapes of forces generated by tyre	7
Table 1	4
Table 2	4
Table 3	4
Table 4	5
Table 5	5
Table 6	5
Table 7	5
Table 8	6
Table A.1	9
Table A.2	9
Table A.3	10

Descriptors: Road vehicles, tyres, pneumatic tyres, tests, determination, characteristics.