

INTERNATIONAL STANDARD

ISO 5751-3

Third edition
1994-12-15

Motorcycle tyres and rims (metric series) —

Part 3:

Range of approved rim contours

Pneumatiques et jantes pour motocycles (séries millimétriques) —

Partie 3: Gamme des profils de jante homologués



Reference number
ISO 5751-3:1994(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5751-3 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This third edition cancels and replaces the second edition (ISO 5751-3:1988), of which it constitutes a technical revision.

ISO 5751 consists of the following parts, under the general title *Motorcycle tyres and rims (metric series)*:

- Part 1: *Design guides*
- Part 2: *Tyre dimensions and load-carrying capacities*
- Part 3: *Range of approved rim contours*

Motorcycle tyres and rims (metric series) —

Part 3:

Range of approved rim contours

1 Scope

This part of ISO 5751 specifies the approved rim contours for motorcycle rims on which motorcycle tyres (metric series) are mounted.

NOTE 1 ISO 4249 deals with the requirements for motorcycle tyres and rims (code-designated series) for rim diameters code 13 and above. ISO 6054 deals with the requirements for motorcycle tyres and rims (code-designated series) for rim diameters code 12 and below.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 5751. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 5751 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4249-3:—¹⁾, *Motorcycle tyres and rims (code-designated series) — Part 3: Rims.*

ISO 5751-2:1994, *Motorcycle tyres and rims (metric series) — Part 2: Tyre dimensions and load-carrying capacities.*

ISO 6054-2:1990, *Motorcycle tyres and rims (Code-designated series) — Diameter codes 4 to 12 — Part 2: Rims.*

3 Approved rim contours

3.1 Table 1 lists the rim contour codes approved for fitment to motorcycle tyres (metric series).

The dimensions of the rim contours, the diameter details and the complete marking of rims with nominal rim diameter code 13 and above shall be as shown in ISO 4249-3.

The dimensions of the rim contours, the diameter details and the complete marking of rims with nominal rim diameter code 12 and below shall be as shown in ISO 6054-2.

3.2 The recommended rims correspond to the measuring rim widths given in ISO 5751-2.

3.3 The design new tyre section width, S , and the maximum overall width in service, $W_{\max}$, shown in ISO 5751-2 will change 1 mm for each 0.1 code (2,5 mm) change in rim width from the recommended (measuring) rim width.

1) To be published. (Revision of ISO 4249-3:1990)

Table 1 — Approved rim contours

Nominal tyre section width	Approved rims ^{1) 2)}
Millimetric 55 and 50 series: radial and diagonal	
130	MT3.75; MT4.00
140	MT4.00; MT4.50
150	MT4.50; MT5.00
160	MT4.50; MT5.00
170	MT5.00; MT5.50
180	MT5.50; MT6.00
190	MT5.50; MT6.00
Millimetric 60 and 70 series: radial and diagonal³⁾	
100	(2.50); (MT2.50); 2.75; MT2.75; MT3.00
110	(2.75); (MT2.75); MT3.00; MT3.50
120	(MT3.00); MT3.50; MT3.75
130	(MT3.00); MT3.50; MT3.75; MT4.00
140	(MT3.50); (MT3.75); MT4.00; MT4.50
150	(MT3.50); (MT3.75); MT4.00; MT4.50
160	(MT3.75); (MT4.00); MT4.50; MT5.00
170	(MT4.00); MT4.50; MT5.00; MT5.50
180	MT5.00; MT5.50
Millimetric 80, 90 and 100 series: radial and diagonal	
70	1.40; 1.50; 1.60; 1.85; MT1.85
80	1.60; 1.85; 2.15; MT1.85; MT2.15
90	1.85; 2.15; 2.50; MT1.85; MT2.15; MT2.50
100	2.15; 2.50; 2.75; MT2.15; MT2.50; MT2.75
110	2.15; 2.50; 2.75; MT2.15; MT2.50; MT2.75; MT3.00
120	2.50; 2.75; MT2.50; MT2.75; MT3.00
130 ⁴⁾	2.50; 2.75; MT2.50; MT2.75; MT3.00; MT3.50
140	2.75; MT2.75; MT3.00; MT3.50; MT3.75
150	MT3.00; MT3.50; MT3.75; MT4.00
160	MT3.50; MT3.75; MT4.00; MT4.50
1) Recommended rims are the measuring rims. 2) Care should be taken not to fit motorcycle tyres to rims designed for tyres for other types of service (e.g. passenger car or agricultural tyres). Cylindrical bead seat rims are for tube-type tyres only. 3) Rims within parentheses are permitted for diagonal ply tyres only. 4) For tyre size 130/90-16, a 3.00D rim (see ISO 6054-2) is permitted for motorcycles with a maximum speed up to 150 km/h.	

STANDARDSISO.COM : Click to view the full PDF of ISO 5751-3:1994

STANDARDSISO.COM : Click to view the full PDF of ISO 5751-3:1994