
International Standard



6054/2

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Motorcycle tyres and rims (diameter codes 4 to 12) — Scooter type — Part 2 : Rims

Pneumatiques et jantes pour motocycles (codes de diamètre 4 à 12) — Type scooter — Partie 2 : Jantes

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6054/2 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Motorcycle tyres and rims (diameter codes 4 to 12) — Scooter type — Part 2 : Rims

1 Scope and field of application

This part of ISO 6054 lays down rim dimensions for existing series of scooter tyres for diameter codes 4 to 12. It sets only those rim contour dimensions necessary for the mounting and fitment of the tyre to the rim.

Tyre designations and dimensions such as load ratings are given in ISO 6054/1.

2 Reference

ISO 3911, *Wheels/rims — Nomenclature, designation, marking and units of measurement.*

3 Finish

3.1 Rim contour

The rim on the side of the tyre shall have a smooth contour free of sharp edges.

3.2 Rim valve hole

Valve hole edges on the tyre side of rims shall be rounded or chamfered. On the hub side, the edges shall be free of burrs, which could damage the valve.

4 Designation

The rim should be designated by its diameter code and nominal rim width code (for example, 8 x 2.10). (See also ISO 3911.)

5 Divided rims¹⁾

5.1 Rim contours

Dimensions and tolerances for divided rims are given in table 1.

5.2 Rim diameters

The rim diameter code and specified rim diameters are given in table 2.

6 Drop-centre rims¹⁾

6.1 Rim contours

Dimensions and tolerances for drop-centre rims are given in table 3.

6.2 Rim diameters

The rim diameter code and specified rim diameters are given in table 4.

7 Permitted rim widths

The permitted widths of rims are indicated in table 5.

8 Rim circumference measurement

Information on rim circumference measurement is given in the annex.

1) Future study is to cover harmonization of rim dimensions and tolerances for 2.50 C, 3.00 D and 4.00 E rims, in ISO 3739/1 (at present at the stage of draft), ISO 4251/3 and this part of ISO 6054.

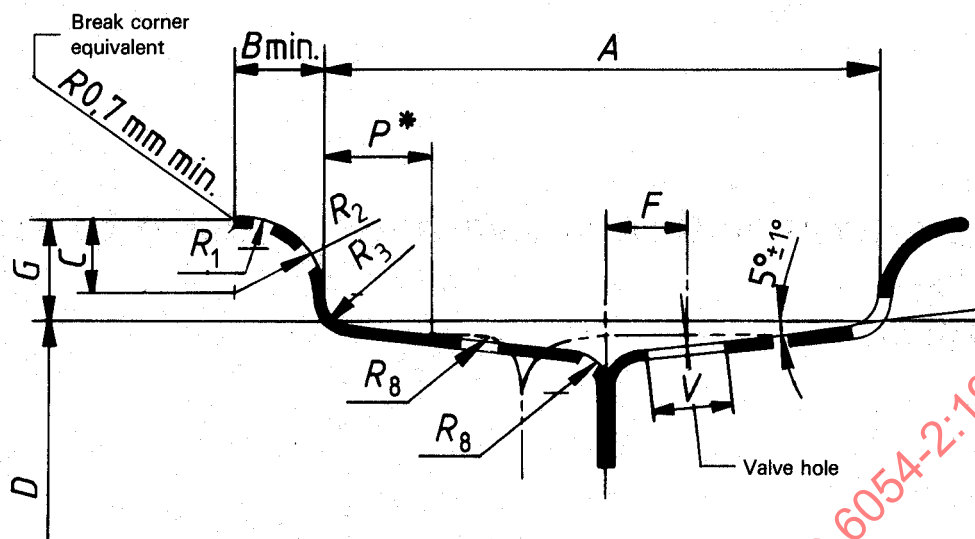


Figure 1 — Divided rim contour

Table 1 — Divided rims — Contour dimensions

Dimensions in millimetres

Nominal rim width code	A	B	G	P*	C	R ₂	R ₃	R ₈	R ₁	F	
	± 1,5	min.	+ 1,0 - 0,5	min.	ref.		max.	max.		min.	max.
1.50	38,0	7,0	10,5	12,0	7,0	7,0	2,0	5,0	—	8,0	8,5
1.75	44,5		9,5				2,5				
2.10	53,5		12,0				3,0				11,0
2.15 **	54,5	8,5	15	12,5	10,0	12,5					
2.50 C	63,5	10,0	16,0		11,5	12,0	3,5		7,5	9,0	14,0
3.00 D	76,0	11,5	17,5	14,0	12,5	13,0	4,5	6,5	10,5	11,0	
3.50 D	89,0			16,0							
4.00 E	101,5		20,0	18,5	13,5	14,0					12,5
4.00 D			17,5	16,0	12,5	13,0	6,5			11,0	16,0
5.00 D	127,0										

* For off-centre naves (rims which are split off-centre) where the value is the minimum width for tapered bead seat.

** For nominal rim diameter code 8 only.

Table 2 — Divided rims — Diameters

Dimensions in millimetres

Nominal rim diameter code	Specified rim diameter D
4	100,8
5	126,2
6	151,6
7	177,0
8	202,4
9	227,8
10	253,2

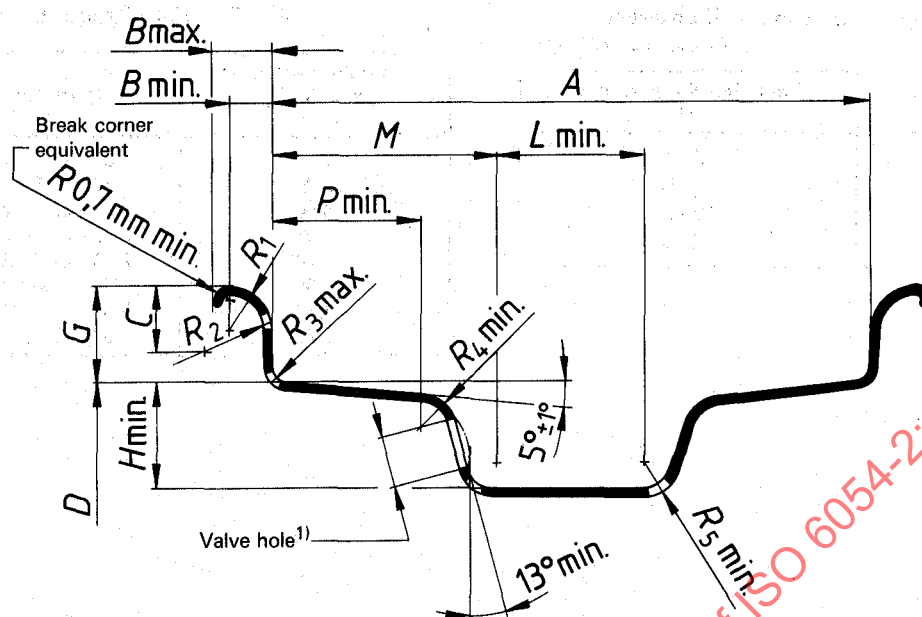


Figure 2 — Drop-centre contour

Table 3 — Drop-centre rims — Contour dimensions

Dimensions in millimetres

Nominal rim width code	A		B		G		H	L	P	C	R ₂	R ₃	R ₄	R ₅	R ₁
	tol.		min.	max.	tol.		min.	min.	min.			max.	min.	min.	
1.50	38,0	+1,0 -0,5	7,5	11,5	10,5	±0,5	8,0	10,0	4,0	6,5	7,0	2,0	5,5		
1.85 MT	47,0	+1,0 -0,5	9,0	12,5	14,0	±0,5	9,0 ²⁾	11,0	8,0	10,5	12,5	2,5	6,5	3,0	3,0
2.15 MT	55,0	+1,0 -0,5					9,0 ²⁾	13,0	11,0						
2.50 MT	63,5	+1,5 -1,0	10,00	13,5	14,0	+1,0 -0,5	12,0	15,0	13,0	11,5	12,0	3,0	6,5	6,5	7,5 max.
2.50 C	63,5	±1,5			16,0	+1,0 -0,5	13,5	12,5	12,0						3,0
3.00 MT	76,0	+1,5 -1,0			14,0	+1,0 -0,5	13,0	23,5	13,0						8
3.00 D	76,0	±1,5			17,5	+1,0 -0,5	18,0	17,5	14,0						3,0
3.50 MT	89,0	+1,5 -1,0	10,0	12,5	14,0	+1,0 -0,5	13,0	36,5	13,0	10,5	12,5	2,5	6,5	6,5	8,0
3.50 D	89,0	±1,5	11,5	15,5	17,5	+1,0 -0,5	18	19,0	15,0	12,5	13,0	4,5			

1) Valve hole to be located, for 1.50, 2.50 C, 3.00 D and 3.50 D in the centre of well bottom for MT rims. Rim contours may be either of the drop-centre types or of the divided type.

2) Should difficulties occur in the mounting of tyres, use rims with a 12 mm dimension.

3) To be 6,5 maximum for rims with diameter codes over 10.

Table 4 — Drop-centre rims — Diameters
Dimensions in millimetres

Nominal rim diameter code	Specified rim diameter <i>D</i>
8	202,4
9	227,8
10	253,2
12	304,0

Table 5 — Permitted rim widths

Nominal section width, <i>S_N</i> Code	Permitted rim widths
2.50	1.50 - 1.75 - 1.85
2.75	1.50 - 1.75 - 1.85 - 2.10 - 2.15
3.00	1.85 - 2.10 - 2.15 - 2.50
3.25	2.10 - 2.15 - 2.50
3.50	2.10 - 2.15 - 2.50
4.00	2.15 - 2.50 - 3.00
4.50	3.00
6.00	4.00

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