ISO 4000-1:2021 (E)

Passenger car tyres and rims — Part 1: Tyres (metric series)

Contents

	Foreword		
1	Soon	Scope	
•	Scope		
2	Norm	Normative references	
3	Terms and definitions		
4	Designation		
	4.1	Size and construction	
	4.1.1	Characteristics	
	4.1.2	Nominal section width	
	4.1.3	Nominal aspect ratio	
	4.1.4	Tyre construction code	
	4.1.5	Nominal rim diameter code	
	4.2	Service description	
	4.2.1	General	
	4.2.2	Load index	
	4.2.3	Speed symbol	
	4.2.4	Speed category	
	4.3	Other service characteristics	
5	Mark	ing	
C. Turn dimensions			
6	Tyre dimensions		
	6.1	Rounding values	
	6.2	Calculation of design tyre dimensions	
	6.2.1	Theoretical rim width, Rth	
	6.2.2	Measuring rim width code, Rmc	
	6.2.3	Design tyre section width, S	
	6.2.4	Design tyre section height, H	
	6.2.5	Design tyre overall diameter, D0	
	6.2.6	Guidelines	
	6.3	Calculation of maximum overall (grown) tyre dimensions in service tyre mounted on	
		their measuring rims	
	6.3.1	General	
	6.3.2	Maximum overall (grown) width in service, Wmax	
	6.3.3	Maximum overall (grown) diameter in service, D0,max	
	6.4	Calculation of minimum tyre dimensions for radial tyres mounted on their measuring rims	
	6.4.1	Minimum tyre section width, Smin	
	6.4.2	Minimum tyre overall diameter, D0,min	
	6.5	Range of approved rims	
7	Tyre	dimension measurement procedure	
8	Inflat	Inflation pressures	
9	Load	Load carrying-capacities	
10	Choice of tyre sizes		
		•	
11	Camber angle		

Annex A (informative) Guideline values for metric-series tyres

Annex B (normative) Load indices for passenger car tyres

Annex C (normative) Minimum inflation pressure for intermediate load

Annex D (informative) Other existing size markings

Page count: 52