

# ISO 4209-1:2001-09 (E)

## Truck and bus tyres and rims (metric series) - Part 1: Tyres

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative reference .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Tyre designation .....</b>	<b>1</b>
4.1	Content .....	1
4.2	Size and construction .....	2
4.2.1	Marking .....	2
4.2.2	Nominal section width .....	2
4.2.3	Nominal aspect ratio .....	2
4.2.4	Tyre construction code .....	2
4.2.5	Nominal rim diameter .....	2
4.3	Service condition characteristics .....	2
4.3.1	Marking .....	2
4.3.2	Load index .....	3
4.3.3	Speed symbol .....	3
4.4	Other service characteristics .....	3
4.5	Example .....	3
<b>5</b>	<b>Tyre dimensions .....</b>	<b>4</b>
5.1	Calculation of "design" tyre dimensions .....	4
5.1.1	Coefficients .....	4
5.1.2	Theoretical rim width, $R_{th}$ .....	4
5.1.3	Measuring rim width, $R_m$ .....	4
5.1.4	Design tyre section width, $S$ .....	4
5.1.5	Design tyre section height, $H$ .....	4
5.1.6	Design tyre overall diameter, $D_o$ .....	4
5.1.7	Values .....	5
5.2	Calculation of "maximum overall tyre dimensions in service" .....	5
5.2.1	Maximum overall width in service, $W_{max}$ .....	5
5.2.2	Maximum overall diameter in service, $D_{o,max}$ .....	5
5.3	Minimum dual spacing (MDS) .....	5
5.4	Approved rim widths .....	7
<b>6</b>	<b>Tyre dimension tables .....</b>	<b>8</b>
<b>7</b>	<b>Method of measurement of tyre dimensions .....</b>	<b>8</b>
<b>8</b>	<b>Service characteristics .....</b>	<b>8</b>
8.1	Tyre load-carrying capacity .....	8
8.2	Speed symbol .....	8
8.3	Load-carrying capacity at various speeds .....	9
<b>Annex A (informative)</b>	<b>Guideline values for metric series, 5° rims .....</b>	<b>12</b>
<b>Annex B (informative)</b>	<b>Guideline values for metric series, 15° rims .....</b>	<b>15</b>
<b>Annex C (informative)</b>	<b>Tyre dimension tables .....</b>	<b>19</b>