

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

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

---

Contents	Page
Foreword .....	v
1 Scope .....	1
2 Normative reference .....	1
3 Terms and definitions .....	1
4 Tyre designation .....	1
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
5 Tyre dimensions .....	4
5.1 Calculation of "design" tyre dimensions .....	4
5.1.1 Coefficients .....	4
5.1.2 Theoretical rim width, R <sub>th</sub> .....	4
5.1.3 Measuring rim width, R <sub>m</sub> .....	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 <sub>o</sub> .....	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 <sub>max</sub> .....	5
5.2.2 Maximum overall diameter in service, D <sub>o,max</sub> .....	5
5.3 Minimum dual spacing (MDS) .....	5
5.4 Approved rim widths .....	7
6 Tyre dimension tables .....	8
7 Method of measurement of tyre dimensions .....	8
8 Service characteristics .....	8
8.1 Tyre load-carrying capacity .....	8
8.2 Speed symbol .....	8
8.3 Load-carrying capacity at various speeds .....	9
Annex A (informative) Guideline values for metric series, 5° rims .....	12
Annex B (informative) Guideline values for metric series, 15° rims .....	15
Annex C (informative) Tyre dimension tables .....	19