ISO 7867-1:2018 (E)

Metric series for agricultural, forestry machines and construction tyres — Part 1: Tyre designation, dimensions and marking, and tyre/rim coordination

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Tyre size designation

- 4.1 General
- 4.2 Tyre type prefixes
- 4.3 Nominal section width
- 4.4 Nominal aspect ratio
- 4.5 Tyre construction code
- 4.6 Nominal rim diameter code
- 4.7 Tyre type suffixes

5 Marking

- 5.1 General
- 5.2 Tyre size designation
- 5.3 Service description
- 5.4 Additional information
- 5.5 Tyre classification and nomenclature
- 5.6 Tyre maximum pressure for bead seating pictogram

6 Tyre dimensions

- 6.1 General
- 6.2 Calculation of "design tyre" dimensions
- 6.2.1 General
- 6.2.2 Theoretical rim width, Rth
- 6.2.3 Measuring rim width, Rm
- 6.2.4 Design tyre section width, S
- 6.2.5 Design tyre section height, H
- 6.2.6 Design tyre overall diameter, DO
- 6.3 Calculation of "minimum overall tyre dimensions"
- 6.3.1 Minimum overall width, Wmin
- 6.3.2 Minimum overall diameter, DO,min
- 6.4 Calculations of "maximum overall tyre dimensions in service"
- 6.4.1 General
- 6.4.2 Maximum overall width in service, Wmax
- 6.4.3 Maximum overall diameter in service, DO,max
- 6.5 Coefficients for calculation of tyre dimensions

7 Tyre dimensional data

8 Method of measurement of tyre dimensions

9 Tyre and rim coordination

- 9.1 Approved rim widths
- 9.2 Approved rim contours

10 Tyre parameters for vehicle speed reference

Annex A **(normative) Tyre design dimensions and approved rim width codes**

Annex B **(normative) Dimensional guidelines for rim widths and nominal rim diameters**

Annex C **(informative) Approved rim contours for metric agricultural tractor drive wheel and implements tyres on 5° and 15° tapered rims**

Annex D **(informative) Rolling circumference (RC), rolling circumference index (RCI) and speed radius index (SRI) values for metric drive wheel tyres**

Page count: 35