ISO 29802:2017-06 (E)

All-terrain (AT) tyres and rims - Symbol marked pneumatic tyres on 5 degree tapered rims - Designation, dimens ion, marking and load ratings

Contents

Page

Foreword v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Tyre size designations 2
4.1 Dimensional and constructional characteristics 2
4.1.1 General 2
4.1.2 Prefix 2
4.1.3 Nominal overall diameter code 2
4.1.4 Nominal section width code 2
4.1.5 Tyre construction code 3
4.1.6 Nominal rim diameter code 3
4.2 Service condition 3
4.2.1 General 3
4.2.2 Symbol of reference inflation pressure 4
4.2.3 Service description 4
4.3 Other service characteristics 4

5 Marking 4

6 Tyre dimensions 5
6.1 General 5
6.2 Calculation of design tyre dimensions 5
6.2.1 Theoretical rim width, Rth 5
6.2.2 Measuring rim width, Rm 5
6.2.3 Design tyre section width, S 5
6.2.4 Design tyre overall diameter, Do 6
6.2.5 Design tyre section height, H 6
6.3 Calculation of "maximum overall tyre dimensions" 6
6.3.1 General 6
6.3.2 Maximum tyre overall width, Wmax 6
6.3.3 Maximum tyre overall diameter, Do,max 6
6.4 Calculation of "maximum overall grown tyre dimensions" 6
6.4.1 General 6
6.4.2 Maximum grown tyre overall width in service, WG 7
6.4.3 Maximum dynamic tyre overall diameter in service, Do,dyn 7
6.5 Calculation of "minimum tyre dimensions" 7
6.5.1 General 7
6.5.2 Minimum tyre section width, Smin 7
6.5.3 Minimum tyre overall diameter, Do,min 7
6.6 Range of approved rims widths 7

7 Method of measurement of tyre dimensions 8

8 Reference load carrying capacity 8

9 Load ratings 9

10 Inflationpressures 9

11 Rims 9
11.1 Designation and marking 9
11.2 Rim contours 10
11.3 Rim diameter and hump circumference 11

12 Valve hole 11
12.1 General 11
12.2 Snap-in valves 11

Annex A (normative) Load indices for all-terrain (AT) tyres 13