

ISO 29802:2017-06 (E)

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

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	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, R_{th}	5
6.2.2	Measuring rim width, R_m	5
6.2.3	Design tyre section width, S	5
6.2.4	Design tyre overall diameter, D_o	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, W_{max}	6
6.3.3	Maximum tyre overall diameter, $D_{o,max}$	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, W_G	7
6.4.3	Maximum dynamic tyre overall diameter in service, $D_{o,dyn}$	7
6.5	Calculation of "minimum tyre dimensions"	7
6.5.1	General	7
6.5.2	Minimum tyre section width, S_{min}	7
6.5.3	Minimum tyre overall diameter, $D_{o,min}$	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	Inflation pressures	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