

THE NETHERLANDS (N E D E R L A N D)



COMMUNICATION

Concerning (1)

- approval granted
- approval extended
- approval refusal
- approval withdrawn
- production definitely discontinued

of a type of tyre for motor vehicles pursuant to Regulation number 30.

Approval number: E4*30R02/21*97201*04

1.	Manufacturer's name a	nd address	:	ZODO TIRE Co., LIMITED The South of Yalujiang Road, Wenzhuang Village Cao County Heze City Shandong Province 274400 China(PRC)	Qinghe Agency of
2.	Tyre type designation	2)			
2.1.	Brand-name(s)/tradem	ark(s)	:	See annex 1 of communication form	
2.2.	Trade description(s)/C	ommercial name(s)	:	See annex 1 of communication form	
3.	If applicable, name and manufacturer's represe		:	Not applicable	
4.	Summarised description	n			
4.1.	Tyre size designation		:	185/65R14	
4.2.	Category of use		:	normal/snow/special use /temporary use (1)	
4.3.	Structure		:	diagonal /bias belted/radial/run flat tyre (1)	
4.4.	Speed category symbo	1	:	Н	
4.5.	Load-capacity index		:	86	\sim
2700 A	Box 777 AT Zoetermeer etherlands	Tel. +31 (0)79 345 83 02 E-mail typeapproval@rdw.nl www.rdw.nl		Type-approval Department	A DW

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4.6.	Extended Mobility Tyre	:	Yes /No ⁽¹⁾
5.	Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity	:	IDIADA Automotive Technology S.A.Institute for Applied Automotive Research L' Albornar P.O. Box 20 E-43710 Santa Oliva (Tarragona) Spain
6.	Date of report issued by that service	:	2016-09-17; 2020-02-26
7.	Number of report issued by that service	:	extsion number 00; CN20020373
8.	Reason(s) of extension (if applicable)	:	Update of tyre type designation(s) Upgrade of regulation supplement number Update of construction variant(s) Type approval number is converted in accordance to the layout of revision 3 of the 1958 agreement. Addition of brand names; Addition of trade descriptions; Modification of manufacturer's name Change of technical service
9.	Any remarks	:	Not applicable
10.	Place	:	Zoetermeer
11.	Date	:	24 March 2020
12.	Signature	:	P. Lingsma

13. The list of documents in the approval file which are deposited at the administrative service having delivered the approval and which can be obtained upon request.

- Application form relating to ECE approval for a pneumatic tyre pursuant to Regulation number 30.
- The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
- The test report as mentioned in item 7.

⁽¹⁾ Strike out what does not apply

⁽²⁾ A list of Brand name(s)/trademark(s) or Trade description(s)/Commercial name(s) may be annexed to this communication

Approval number: E4*30R02/21*97201*04

Annex 1

2. Tyre type designation

2.1. Brand-name(s)/trademark(s):

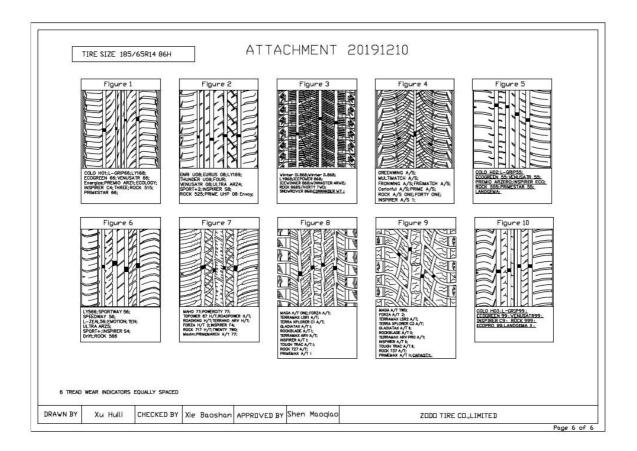
CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX

2.2. Trade description(s)/Commercial name(s):

COLO H01; L-GRIP66; LY168; ECOGREEN 66; VENUSATR 66; Energize; PREMIO ARZ1; ECOLOGY; INSPIRER C4; THREE; ROCK 515; PRIMESTAR 66; ENRI U08; EURUS 08; LY169; THUNDER U09; FOUR; VENUSATR 08; ULTRA ARZ4; SPORT+2; INSPIRER S8; ROCK 525; PRIME UHP 08; Envoy; Winter GL868; Winter IL868; LY868; ICEPOWER 868; ICEWINNER 868; WINMASTER ARW2; ROCK 868S; THIRTY TWO; SNOWROVER 868; COMMANDER W7; GREENWING A/S; MULTIMATCH A/S; FRONWING A/S; FREIMATCH A/S; Carlorful A/S; PRIME A/S; ROCK A/S ONE; FORTY ONE; INSPIRER A/S 1; COLO H02; L-GRIP55; ECOGREEN 55; VENUSATR 55; PREMIO ARZERO; INSPIRER ECO; ROCK 555; PRIMESTAR 55; LANDGEMA; LY566; SPORTWAY 56; SPEEDWAY 56; L-ZEAL56; EMOTION; TEN; ULTRA ARZ5; SPORT+; INSPIRER S4; Drift; ROCK 566; MAHO 77; POWERCITY 77; TOPOWER 87 H/T; ROADPOWER H/T; ROADKING H/T; TERRANO ARV H/T; FORZA H/T 2; INSPIRER F4; ROCK 717 H/T; TWENTY TWO; Maxim; PRIMEMARCH H/T 77; MAGA A/T ONE; FORZA A/T; TERRAMAX LSR1 A/T; TERRA XPLORER C1 A/T; GLADIATAX A/T I; ROCKBLADE A/T I; TERRAMAX ARV A/T; INSPIRER A/T I; TOUGH TRAC A/T I; ROCK 727 A/T; PRIMEMAX A/T I; MAGA A/T TWO; FORZA A/T 2; TERRAMAX LSR2 A/T; TERRA XPLORER C2 A/T; GLADIATAX A/T II; ROCKBLADE A/T II; TOUGH TRAC A/T II; ROCK 737 A/T; PRIMEMAX A/T II; CAPACITY; ECOPRO 99; COLO H03; L-GRIP99; ECOGREEN 99; VENUSATR99; INSPIRER C9; ROCK 999; LANDGEMA II



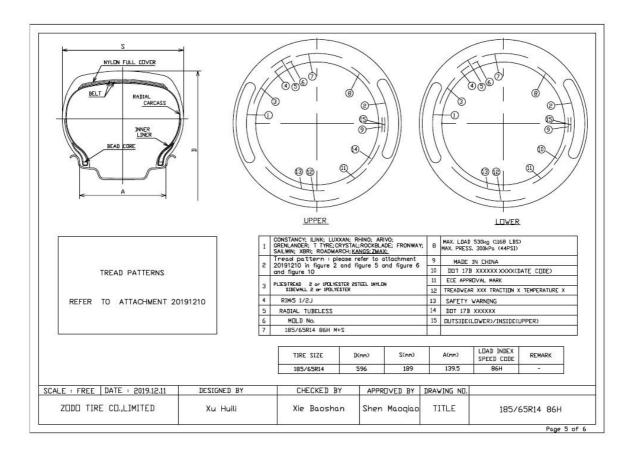
APPENDIX 1. CONSTRUCTION IMAGE (1)



⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.

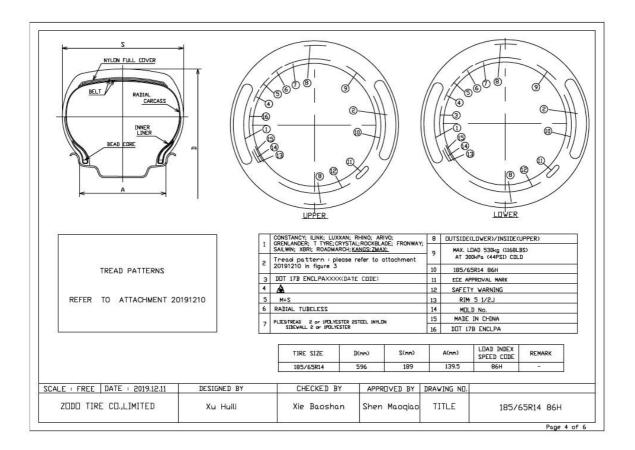


APPENDIX 2. CONSTRUCTION IMAGE (1)



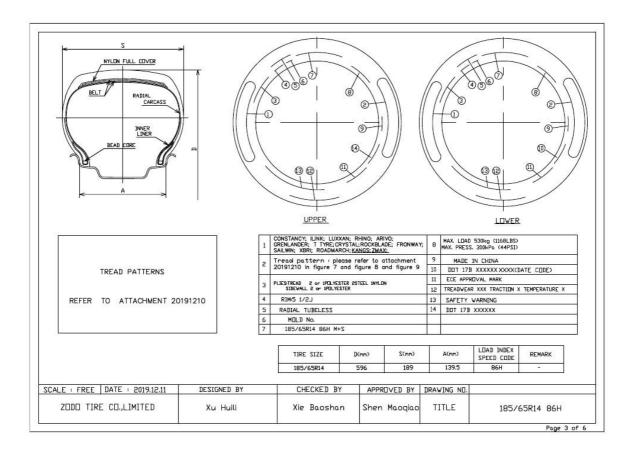


APPENDIX 3. CONSTRUCTION IMAGE (1)



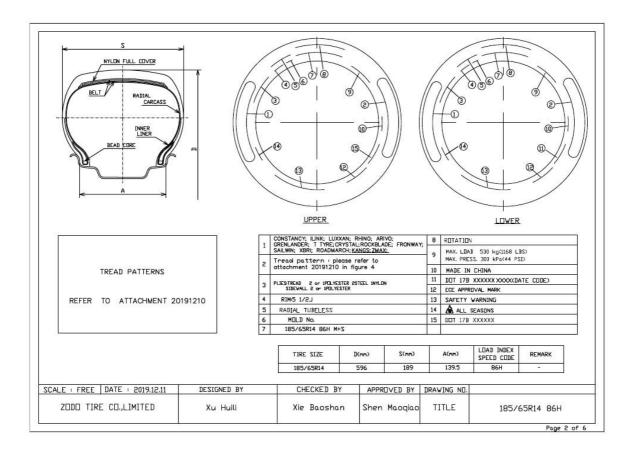


APPENDIX 4. CONSTRUCTION IMAGE (1)



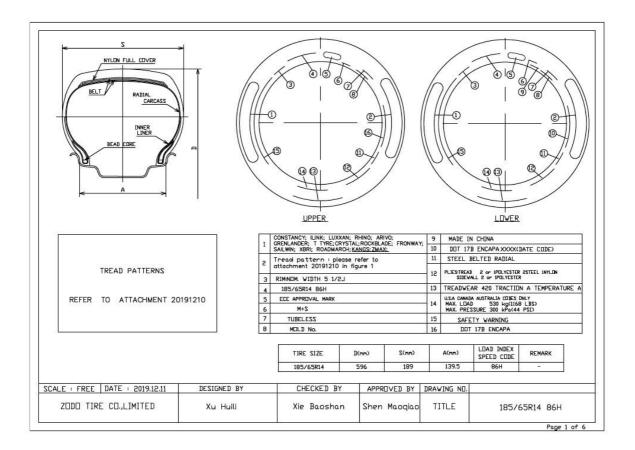


APPENDIX 5. CONSTRUCTION IMAGE (1)





APPENDIX 6. CONSTRUCTION IMAGE (1)





Test report data delivered by the designated technical service or its laboratory/branch office responsible for conducting the approval tests

Tested in accordance to ECE regulation no. 30, 02 series of amendments, supplement 21

Test reports	:	Date of report 2016-09-17 2020-02-26	Date of test 2016-09-14 2020-01-01	Location of test Heze, China Heze, China	Reference extsion number 00 CN20020373
Appropriate test facility, calibrated measurement- and test equipment have been used in compliance with the applicable test requirements	:	Y			
Name and address of designated technical service	:	IDIADA Automot Research L' Albornar P.O. E E-43710 Santa Ol Spain	Box 20	S.A.Institute for Ap	plied Automotive
Name and address of branch office of designated technical service	:	N.A.			
Tyre size designation	:	185/65R14			
Brand-name(s) / trademark(s)	:	CONSTANCY, IL	L, ROCKBLAD	E, FRONWAY, SAI	GRENLANDER, T LWIN, XBRI,
Trade description(s) / commercial name(s)		PREMIO ARZ1, J PRIMESTAR 66, VENUSATR 08, J PRIME UHP 08, 868, ICEWINNEJ SNOWROVER 8 MULTIMATCH 4 PRIME A/S, ROO L-GRIP55, ECOO ECO, ROCK 555 SPEEDWAY 56, J INSPIRER S4, D0 H/T, ROADPOW H/T 2, INSPIRER PRIMEMARCH 1 A/T, TERRA XPI TERRAMAX AR A/T, PRIMEMAX LSR2 A/T, TERR A/T II, TERRAM II, ROCK 737 A/T	ECOLOGY, INS ENRI U08, EU ULTRA ARZ4, Envoy, Winter C R 868, WINMA 68, COMMANIA A/S, FRONWIN CK A/S ONE, FG GREEN 55, VEI , PRIMESTAR L-ZEAL56, EM rift, ROCK 566, ER H/T, ROAD F4, ROCK 712 H/T 77, MAGA LORER C1 A/T, V A/T, INSPIRI K A/T I, MAGA A XPLORER C AX ARV PRO J F, PRIMEMAX	SPIRER C4, THREE RUS 08, LY 169, TH SPORT+2, INSPIRE GL868, Winter IL868 STER ARW2, ROC DER W7, GREENW G A/S, FREIMATC DRTY ONE, INSPIR UUSATR 55, PREM 55, LANDGEMA, L OTION, TEN, ULTI MAHO 77, POWEI KING H/T, TERRA 7 H/T, TWENTY TW A/T ONE, FORZA GLADIATAX A/T ER A/T I, TOUGH T A/T TWO, FORZA 2 A/T, GLADIATAX A/T, INSPIRER A/T A/T II, CAPACITY,	IUNDER U09, FOUR, ER S8, ROCK 525, 3, LY868, ICEPOWER K 868S, THIRTY TWO, 'ING A/S, H A/S, Carlorful A/S, RER A/S 1, COLO H02, IO ARZERO, INSPIRER Y 566, SPORTWAY 56, RA ARZ5, SPORT+, RCITY 77, TOPOWER 8 NO ARV H/T, FORZA
Category of use	:	Snow			
Structure	:	Radial			
EMT (Extended Mobility Tyre)	:	Ν			
Speed category symbol	:	Н			
Load capacity index	:	86 N			
Protective rib Tubeless	:	N Y			
Standard / reinforced / T-type temporary use		Standard			
Ply-rating number of diagonal (bias-ply) tyres	:	N.A.			
Factor 'x'	:	0.7			
Maximum speed for speed symbol Y for load rating determination	:	N.A.			
Tread-wear indicators		1.07			
Height of lowest tread-wear indicator Height of tallest tread-wear indicator	:	1.97 mm 1.99 mm			\frown
Number of transverse rows of wear indicators	:	1.99 mm 6			(EVIAL NOI)
Special use tread pattern features	:	N.A.			RDW

1 Test data

1.1 Construction variant 1 - 1

1.1.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.1.1.1	Measuring rim width	:	5.5 inch		
1.1.1.2	Conditioning				
	Mounting pressure	:	3.0 bar		
	Adjusted pressure	:	1.8 bar		
	Conditioning time	:	24 hrs		
	Test room temperature	:	25 °C		
	Readjusted pressure	:	1.8 bar		
1.1.1.3	Measurements				
	Overall width measured	:	195 mm		
	Calculated outer diameter	:	594 mm		
1.1.1.4	Plies of tyre subject for type approval	:	Material	Side wall	Tread
			Polyester	1	1
			Steel	0	2
			Nylon	0	1

1.1.2 LOAD SPEED PERFORMANCE TEST (ACCORDING TO ANNEX 7)

1.1.2.1	Reference is made to a worst case tyre out of the tyre range	:	Ν		
1.1.2.2	Test setup				
	Test drum diameter	:	1.70 m		
	Test rim width	:	5.5 incl	h	
	Test axle load	:	424 kg		
1.1.2.3	Conditioning				
	Test inflation pressure	:	2.8 bar		
	The test inflation pressure differs from those given under Annex 7 paragraph 1.2	:	Ν		
	Conditioning time	:	3 hrs		
	Test room temperature	:	25 °C		
	Readjusted pressure	:	2.8 bar		
1.1.2.4	Outer diameter before test	:	594 mr	n	
1.1.2.5	Test procedure				
	Time from zero to initial test speed	:	10 min		
	Test steps	:	Step	Duration (min)	Speed (km/h)
			1.	10	170
			2.	10	180
			3.	10	190
			4.	20	200
1.1.2.6	Test results				
	Traces of tread separation, ply separation, cord separation, chunking or broken cords after the load/speed test	:	Ν		

chunking or broken cords after the load/speed test		
Superficial blistering after the load/speed test caused by	:	Ν
the specific test equipment and conditions		
Conditioning time after test	:	6 hrs
Calculated outer diameter of measured circumference after	:	595 mm
test		
Change in outer diameter after test	:	0.17 %



1.2 Construction variant 2 - 2

1.2.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.2.1.1	Measuring rim width	•	5.5 inch			
1.2.1.2	Conditioning	·				
	Mounting pressure	:	3 bar			
	Adjusted pressure	:	1.8 bar			
	Conditioning time	:	24 hrs			
	Test room temperature	:	25 °C			
	Readjusted pressure	:	1.8 bar			
1.2.1.3	Measurements					
	Overall width measured	:	190 mm			
	Calculated outer diameter	:	596 mm			
1.2.1.4	Plies of tyre subject for type approval	:	Material	Side wall	Tread	
			Polyester	2	2	
			Steel	0	2	

Nylon

0

1

1.2.2 LOAD SPEED PERFORMANCE TEST (ACCORDING TO ANNEX 7)

1.2.2.1	Reference is made to a worst case tyre out of the tyre range	:	Ν			
1.2.2.2	Test setup					
	Test drum diameter	:	1.70 m			
	Test rim width	:	5.5 incl	h		
	Test axle load	:	424 kg			
1.2.2.3	Conditioning					
	Test inflation pressure	:	2.8 bar			
	The test inflation pressure differs from those given under	:	Ν			
	Annex 7 paragraph 1.2					
	Conditioning time	:	3 hrs			
	Test room temperature	:	25 °C			
	Readjusted pressure	:	2.8 bar			
1.2.2.4	Outer diameter before test	:	597 mr	n		
1.2.2.5	Test procedure					
	Time from zero to initial test speed	:	10 min			
	Test steps	:	Step	Duration (min)	Speed (km/h)	
			1.	10	170	
			2.	10	180	
			3.	10	190	
			4.	20	200	
1.2.2.6	Test results		0			
	Traces of tread separation, ply separation, cord separation,	:	Ν			

irs	
9 mm	
4 %	
9 r	nm



2 TYRE MARKINGS

2.1	Brand name or trade mark	:	Marked
2.2	Trade description / commercial name	:	Marked
2.3	Date of manufacture	:	Marked
	- character height $\geq 4 \text{ mm}$:	Y
2.4	Upper side wall markings		
	"TEMPORARY USE ONLY"	:	N.A.
	"INFLATE TO 420kPa (60 psi)"	:	N.A.
2.5	Lower side wall markings		
	Approval mark in accordance to article 3.2, 3.4, 5.4 and Annex 2	:	Y
	Tyre structure letter code	:	R
	Tyre to rim fitment code	:	N.A.
	Service description		
	- marked within brackets	:	N.A.
	- immediately after tyre size designation	:	Y
	- character height >= 6mm	:	Y
	"RADIAL"	:	Marked
	- character height >= 4 mm	:	Y
	"B" and "BIAS BELTED"	:	N.A.
	"TUBELESS"	:	Marked
	- character height $\geq 4 \text{ mm}$:	Y
	Run flat symbol	:	N.A.
	EMT (Extended mobility tyre) symbol	:	N.A.
	"REINFORCED" or "EXTRA LOAD"	:	N.A.
	"M+S"/"M.S"/"M&S"	:	Marked
	- character height >= 4 mm	:	Y
	"ET"	:	N.A.
	"POR"	:	N.A.
	Location of the applicable mandatory markings	:	In lower area
	Symmetrical tyres marked on both sidewalls	:	Y
	Asymmetrical tyres marked at least on the outer tyre side wall	:	Y

STATEMENT⁽¹⁾

3 Nominal envelop dimensions of the inflated tyre mounted on the measuring rim ⁽¹⁾

S	:	189 mm
D	:	596 mm
А	:	140 mm

⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.



APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE FOR TYRES FOR MOTOR VEHICLES AND THEIR TRAILERS ACCORDING TO ECE REGULATION No. 30, 02 SERIES OF AMENDMENTS, SUPPLEMENT 21

4.1	Name and address of manufacturer (applicant)	: ZODO TIRE Co., LIMITED The South of Yalujiang Road, Wenzhuang Village Qinghe Agency of Cao County Heze City Shandong Province 274400 China(PRC)
	Name and address of branch office of designated technical service (manufacturers duly accredited representative)	: N.A.
4.1.1	Tyre size designation	: 185/65R14
4.1.2.1	Brand-name(s) / trademark(s)	: CONSTANCY, ILINK, LUXXAN, RHINO, ARIVO, GRENLANDER, T
		TYRE, CRYSTAL, ROCKBLADE, FRONWAY, SAILWIN, XBRI,
4.1.2.2	Trade description(s) / commercial name(s)	 ROADMARCH, KANGS, ZMAX COLO H01, L-GRIP66, LY168, ECOGREEN 66, VENUSATR 66, Energize, PREMIO ARZ1, ECOLOGY, INSPIRER C4, THREE, ROCK 515, PRIMESTAR 66, ENRI U08, EURUS 08, LY169, THUNDER U09, FOUR, VENUSATR 08, ULTRA ARZ4, SPORT+2, INSPIRER S8, ROCK 525, PRIME UHP 08, Envoy, Winter GL868, Winter IL868, LV868, ICEPOWER 868, ICEWINNER 868, WINMASTER ARW2, ROCK 868S, THIRTY TWO, SNOWROVER 868, COMMANDER W7, GREENWING A/S, MULTIMATCH A/S, FRONWING A/S, FREIMATCH A/S, Carlorful A/S, PRIME A/S, ROCK A/S ONE, FORTY ONE, INSPIRER A/S 1, COLO H02, L-GRIP55, ECOGREEN 55, VENUSATR 55, PREMIO ARZERO, INSPIRER ECO, ROCK 555, PRIMESTAR 55, LANDGEMA, LY566, SPORTWAY 56, SPEEDWAY 56, L-ZEAL56, EMOTION, TEN, ULTRA ARZ5, SPORT+, INSPIRER S4, Drift, ROCK 566, MAHO 77, POWERCITY 77, TOPOWER 87 H/T, ROADPOWER H/T, ROADKING H/T, TERRANO ARV H/T, FORZA H/T 2, INSPIRER F4, ROCK 717 H/T, TWENTY TWO, Maxim, PRIMEMARCH H/T 77, MAGA A/T ONE, FORZA A/T, TERRAMAX LSR1 A/T, TERRA XPLORER C1 A/T, GLADIATAX A/T 1, ROCKBLADE A/T 1, TERRAMAX ARV A/T, INSPIRER A/T 1, TOUGH TRAC A/T 1, ROCK 727 A/T, PRIMEMAX A/T 1, MAGA A/T TWO, FORZA A/T 2, TERRAMAX LSR2 A/T, TERRA XPLORER C2 A/T, GLADIATAX A/T 1, ROCKBLADE A/T 1, TERRAMAX ARV A/T, INSPIRER A/T 1, TOUGH TRAC A/T 1, ROCK 727 A/T, PRIMEMAX A/T 1, MAGA A/T TWO, FORZA A/T 2, TERRAMAX LSR2 A/T, TERRA XPLORER C2 A/T, GLADIATAX A/T 1, ROCKBLADE A/T 11, TERRAMAX ARV PRO A/T, INSPIRER A/T 11, TOUGH TRAC A/T 11, ROCK 737 A/T, PRIMEMAX A/T 11, CAPACITY, ECOPRO 99, COLO H03, L-GRIP99, ECOGREEN 99, VENUSATR99, INSPIRER C9, ROCK 999, LANDGEMA II
4.1.3	Category of use	: Snow
4.1.3.1	For the tyres belonging to the category of use "special use tyre" those which may bear the inscription M+S or M.S or M&S	: N.A.
4.1.4	Structure	: Radial
4.1.5	Speed category symbol	: H
4.1.6	Load capacity index	: 86
4.1.7	Tubeless	: Y
4.1.8	Standard / reinforced / T-type temporary use	: Standard
4.1.9 4.1.10	EMT (Extended mobility tyre) Ply-rating number of diagonal (bias-ply) tyres; except for T-	: N : N.A.
4.1.10	type temporary use spare tyres	. n.a.
4.1.11	The overall dimensions: overall section width and outer	: Values per construction variant
	diameter	# Overall section width (mm) Outer diameter (mm)
		1 195 594 2 190 596
		2 190 390
4.1.12	The rims on which the tyre can be mounted	: 5.5 inch
4.1.13	The measuring rim and test rim	: Values per construction variant
		# Measuring rim (inch) Test rim (inch) 1 5.5 5.5
		2 5.5 5.5
4.1.14	The test pressure where the manufacture requests the	: Values per construction variant
	application of Annex 7 paragraph 1.3 to this Regulation	# Test inflation pressure (bar)
		1 N.A.
		2 N.A.
4.1.15	The factor 'x'	: 0.7
4.1.16	For tyres suitable for speeds in excess of 300 km/h, the	: N.A.
	maximum speed permitted by the tyre manufacturer and the	

load carrying capacity allowed for that maximum speed

- 4.1.17 The identification of the bead retention rim contours specific for the "flat tyre running mode" of "run flat tyres"
- 4.2 The application for approval is accompanied by drawings or images of
 - 1. The tyre tread pattern

2. Envelope of the inflated tyre mounted on the measuring rim, showing the relevant dimensions (see paragraphs 6.1.1 and 6.1.2)

- 3. The side wall showing the relevant markings
- 4.4 Reference to Worst-case tyre has been made for the load-speed test. The worst case tyre selection criteria can be obtained from the approval authority.

- : N.A.
- : Y : Y

: Y

Values per construction variant

Worst case

1 N 2 N



Update of tyre type designation(s);
 Upgrade of regulation supplement number;
 Update of construction variant(s);
 Upgrade of the type approval number;
 Change of technical service;
 Addition of brand names; Addition of trade descriptions; Modification of manufacturer's name

The applicant, as defined in article in 4.1, declares that:

- This application is in compliance with the scope as defined in chapter 1 of the regulation.
- All data for this application are unambiguously and thruthfully given.
- The type approval application for the subject component is submitted only at RDW as Contracting party pursuant to this UN regulation.
- Appropriate test facility, calibrated measurement en test equipment have been used in compliance with the applicable test requirements.

Company

: IDIADA Automotive Technology S.A.Institute for Applied Automotive Research

Name of person responsible for the submitted application data Function of above mentioned authorised person

E-mail address of department or above mentioned authorised person

Place of submission

Submitted for approval on (date)

Reference id of the application given by the applicant

: Lluís Sans Gomis

- : DEPARTMENT MANAGER
- : lsans@idiada.com
- : L'Albornar, Santa Oliva (Tarragona)
- : 13/03/2020 12:54:44



Reason(s) of extension