

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- ~~approval withdrawn~~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: E4-30R-0297218**Extension number: 04**

1. Manufacturer's name and address : ZODO TIRE Co., LIMITED
The South of Yalujiang Road, Wenzhuang Village Qinghe Agency of
Cao County Heze City
Shandong Province 274400
China(PRC)
2. Tyre type designation⁽²⁾
 - 2.1. Brand-name(s)/trademark(s) : See annex 1 of communication form
 - 2.2. Trade description(s)/Commercial name(s) : See annex 1 of communication form
3. If applicable, name and address of the manufacturer's representative : Not applicable
4. Summarised description
 - 4.1. Tyre size designation : 185/60R15
 - 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 symbol : H
 - 4.5. Load-capacity index : 88

Approval number: E4-30R-0297218

Extension number: 04

- 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 : 2016-09-23; 2020-02-24
7. Number of report issued by that service : extension number 00; CN20020394
8. Reason(s) of extension (if applicable) : Update of tyre type designation(s)
Upgrade of regulation supplement number
Update of construction variant(s)
Addition of brand names; Addition of trade descriptions; Deletion of trade description; Modification of manufacturer's name
Change of technical service
9. Any remarks : Not applicable
10. Place : Zoetermeer
11. Date : 27 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: E4-30R-0297218

Extension number: 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):

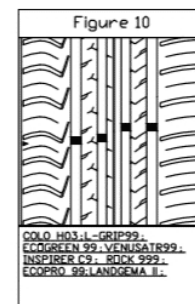
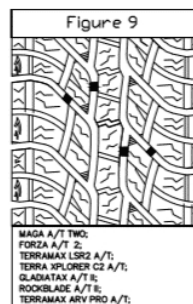
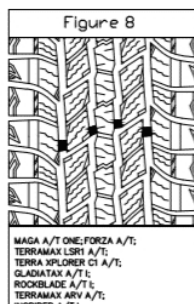
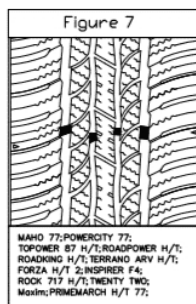
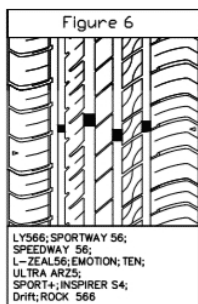
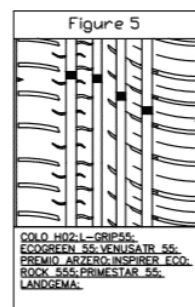
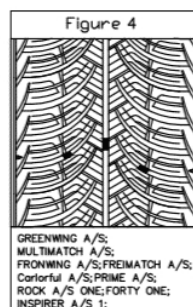
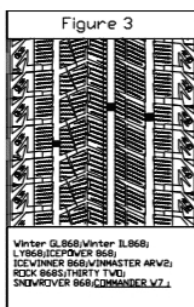
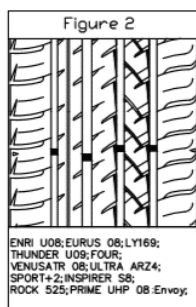
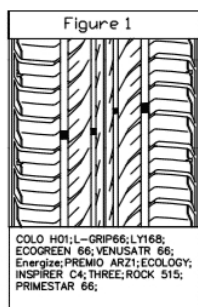
COLO H01; L-GRIP66; LY168; ECOGREEN 66; VENUSATR 66; Energize; PREMIO ARZ1; ECOLOGY; INSPIRER C4; THREE; ROCK 515; PRIMESTAR 66; ENRI U08; EURUS 08; LY169; THUNDER U09; FOUR; VENUSATR 08; ULTRA ARZ4; SPORT+2; INSPIRER S8; ROCK 525; PRIME UHP 08; Envoy; Winter GL868; Winter IL868; LY868; ICEPOWER 868; ICEWINNER 868; WINMASTER ARW2; ROCK 868S; THIRTY TWO; SNOWROVER 868; 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; 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 XPLOER 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 XPLOER C2 A/T; GLADIATAX A/T II; ROCKBLADE A/T II; TERRAMAX ARV PRO A/T; INSPIRER A/T II; TOUGH TRAC A/T II; ROCK 737 A/T; PRIMEMAX A/T II; COMMANDER W7; CAPACITY; ECOPRO 99; COLO H02; L-GRIP55; ECOGREEN 55; VENUSATR 55; PREMIO ARZERO; INSPIRER ECO; ROCK 555; PRIMESTAR 55; LANDGEMA; COLO H03; L-GRIP99; ECOGREEN 99; VENUSATR99; INSPIRER C9; ROCK 999; LANDGEMA II



APPENDIX 1. CONSTRUCTION IMAGE ⁽¹⁾

TIRE SIZE 185/60R15 88H XL

ATTACHMENT 20191210



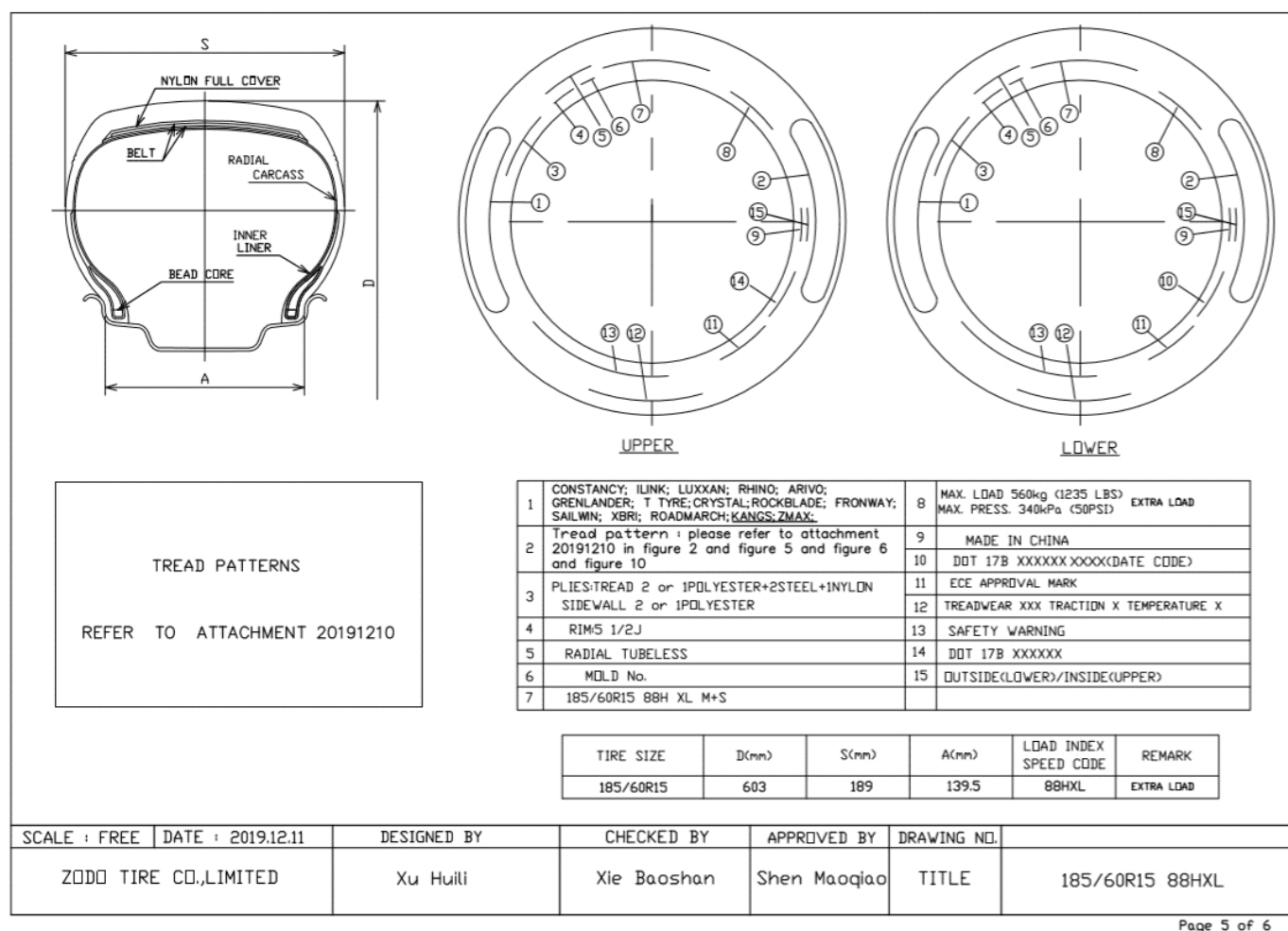
6 TREAD WEAR INDICATORS EQUALLY SPACED

DRAWN BY	Xu Huili	CHECKED BY	Xie Baoshan	APPROVED BY	Shen Maoqiao
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ZODD TIRE CO.,LIMITED

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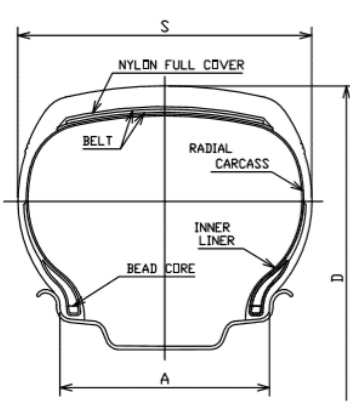
⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.

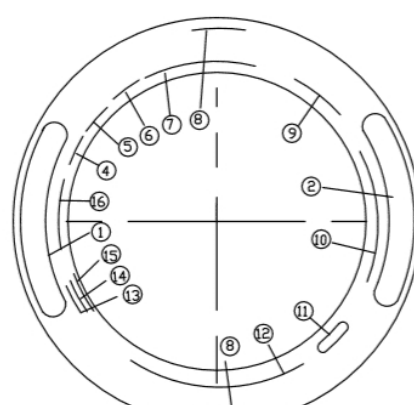
APPENDIX 2. CONSTRUCTION IMAGE ⁽¹⁾

Page 5 of 6

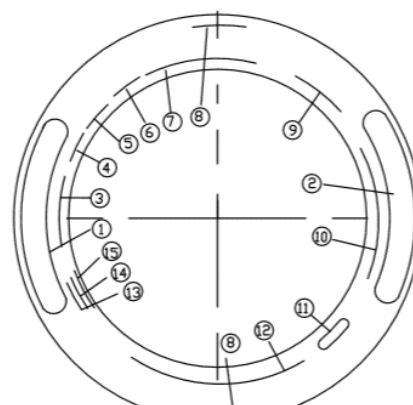
⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 3. CONSTRUCTION IMAGE ⁽¹⁾





UPPER



LOWER

TREAD PATTERNS

REFER TO ATTACHMENT 20191210

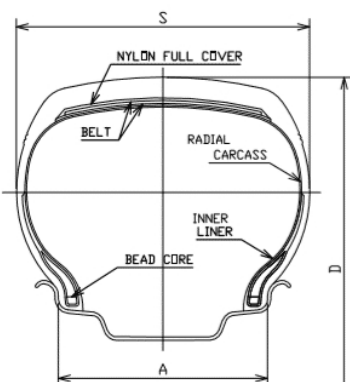
1	CONSTANCY: ILINK; LUXKAN; RHINO; ARIVO; GRENLANDER: T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX;	8	OUTSIDE(LOWER)/INSIDE(UPPER)
2	Tread pattern : please refer to attachment 20191210 in figure 3	9	MAX. LOAD 560kg (1235LBS) AT 340kPa (50PSI) COLD
3	DOT 17B EPDLPAXXX<(DATE CODE)>	10	185/60R15 88H EXTRA LOAD
4		11	ECE APPROVAL MARK
5	M+S	12	SAFETY WARNING
6	RADIAL TUBELESS	13	RIM: 5 1/2J
7	PLIES:TREAD 2 or 1POLYESTER 2STEEL NYLON SIDEWALL 2 or 1POLYESTER	14	MOLD No.
		15	MADE IN CHINA
		16	DOT 17B EPDLP

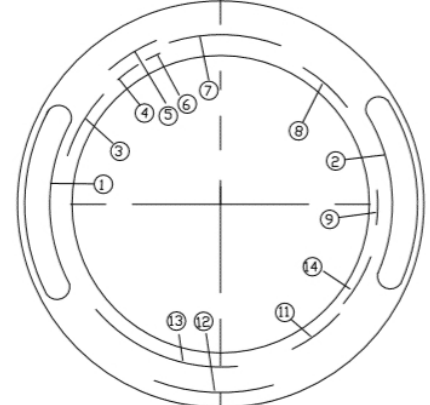
TIRE SIZE	D(mm)	S(mm)	A(mm)	LOAD INDEX SPEED CODE	REMARK
185/60R15	603	189	139.5	88H	EXTRA LOAD

SCALE : FREE	DATE : 2019.12.11	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.
ZODO TIRE CO.,LIMITED		Xu Huili	Xie Baoshan	Shen Maoqiao	TITLE
					185/60R15 88HXL

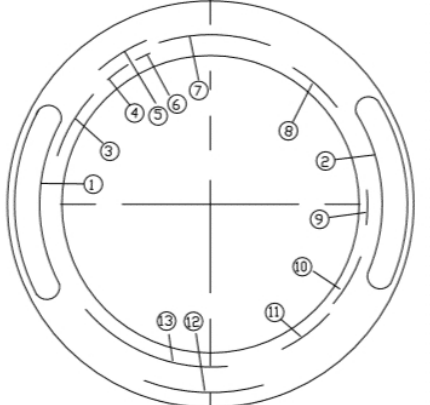
⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 4. CONSTRUCTION IMAGE ⁽¹⁾





UPPER



LOWER

TREAD PATTERNS

REFER TO ATTACHMENT 20191210

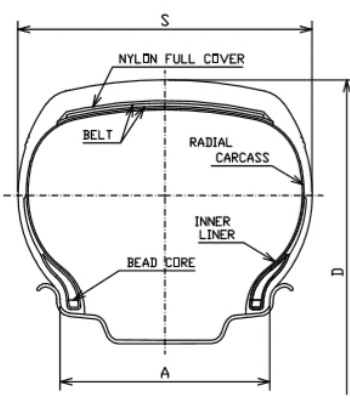
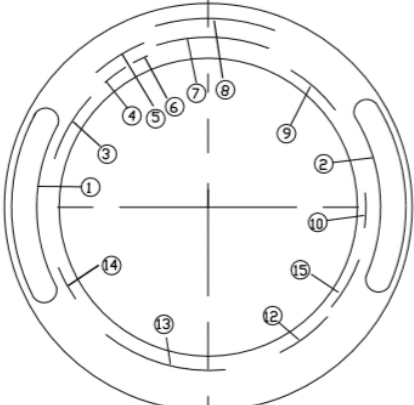
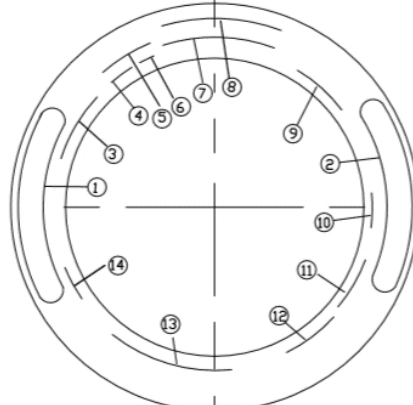
1	CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRi; ROADMARCH; KANGS; ZMAX .	8	MAX. LOAD 560kg (1235LBS) MAX. PRESS. 340kPa (50PSI)	EXTRA LOAD
2	Tread pattern : please refer to attachment 20191210 in figure 7 and figure 8 and figure 9	9	MADE IN CHINA	
3	PLIES:TREAD 2 or 1POLYESTER+2STEEL+1NYLON SIDEWALL 2 or 1POLYESTER	10	DOT 17B XXXXXX XXXX(DATE CODE)	
4	RIM5 1/2J	11	ECE APPROVAL MARK	
5	RADIAL TUBELESS	12	TREADWEAR XXX TRACTION X TEMPERATURE X	
6	MOLD No.	13	SAFETY WARNING	
7	185/60R15 88H XL M+S	14	DOT 17B XXXXXX	

TIRE SIZE	D(mm)	S(mm)	A(mm)	LOAD INDEX SPEED CODE	REMARK
185/60R15	603	189	139.5	88HXL	EXTRA LOAD

SCALE : FREE	DATE : 2019.12.11	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.
ZODO TIRE CO.,LIMITED		Xu Huili	Xie Baoshan	Shen Maoqiao	TITLE
					185/60R15 88HXL

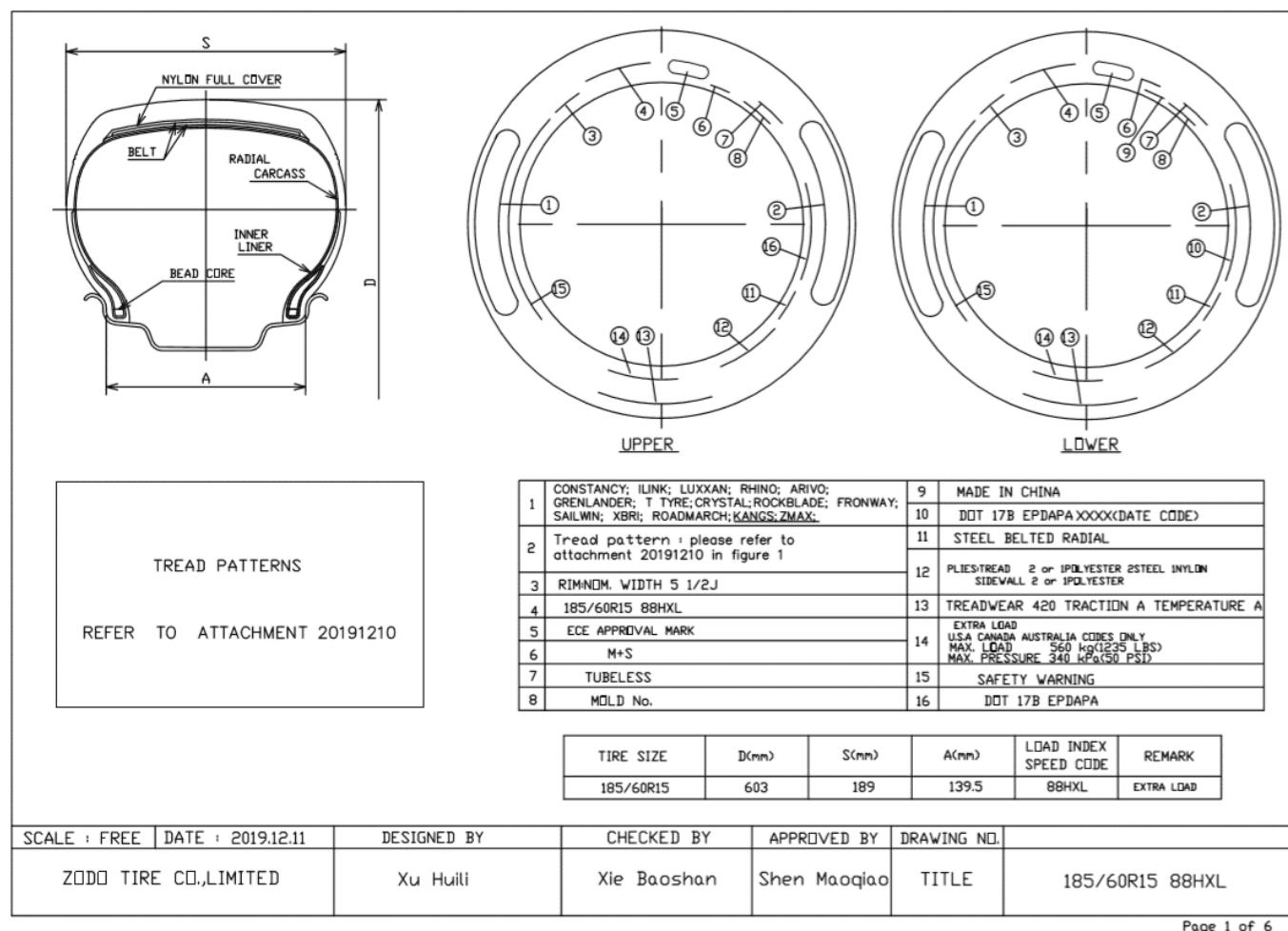
⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.

APPENDIX 5. CONSTRUCTION IMAGE ⁽¹⁾

	 <p style="text-align: center;">UPPER</p>	 <p style="text-align: center;">LOWER</p>																																
<p>TREAD PATTERNS</p> <p>REFER TO ATTACHMENT 20191210</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td> <td style="width: 65%;">CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX;</td> <td style="width: 5%;">8</td> <td style="width: 25%;">ROTATION</td> </tr> <tr> <td>2</td> <td>Tread pattern : please refer to attachment 20191210 in figure 4</td> <td>9</td> <td>MAX. LOAD 560 kg(1235 LBS) MAX. PRESS. 340 kPa(50 PSI) EXTRA LOAD</td> </tr> <tr> <td>3</td> <td>PLIES:TREAD 2 or 1POLYESTER+2STEEL+1NYLON SIDEWALL 2 or 1POLYESTER</td> <td>10</td> <td>MADE IN CHINA</td> </tr> <tr> <td>4</td> <td>RIM:5 1/2J</td> <td>11</td> <td>DOT 17B XXXXXX XXXX(DATE CODE)</td> </tr> <tr> <td>5</td> <td>RADIAL TUBELESS</td> <td>12</td> <td>ECE APPROVAL MARK</td> </tr> <tr> <td>6</td> <td>MOLD No.</td> <td>13</td> <td>SAFETY WARNING</td> </tr> <tr> <td>7</td> <td>185/60R15 88H XL M+S</td> <td>14</td> <td>ALL SEASONS</td> </tr> <tr> <td></td> <td></td> <td>15</td> <td>DOT 17B XXXXXX</td> </tr> </table>		1	CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX;	8	ROTATION	2	Tread pattern : please refer to attachment 20191210 in figure 4	9	MAX. LOAD 560 kg(1235 LBS) MAX. PRESS. 340 kPa(50 PSI) EXTRA LOAD	3	PLIES:TREAD 2 or 1POLYESTER+2STEEL+1NYLON SIDEWALL 2 or 1POLYESTER	10	MADE IN CHINA	4	RIM:5 1/2J	11	DOT 17B XXXXXX XXXX(DATE CODE)	5	RADIAL TUBELESS	12	ECE APPROVAL MARK	6	MOLD No.	13	SAFETY WARNING	7	185/60R15 88H XL M+S	14	ALL SEASONS			15	DOT 17B XXXXXX
1	CONSTANCY; ILINK; LUXXAN; RHINO; ARIVO; GRENLANDER; T TYRE; CRYSTAL; ROCKBLADE; FRONWAY; SAILWIN; XBRI; ROADMARCH; KANGS; ZMAX;	8	ROTATION																															
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4	RIM:5 1/2J	11	DOT 17B XXXXXX XXXX(DATE CODE)																															
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7	185/60R15 88H XL M+S	14	ALL SEASONS																															
		15	DOT 17B XXXXXX																															
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">TIRE SIZE</th> <th style="width: 10%;">D(mm)</th> <th style="width: 10%;">S(mm)</th> <th style="width: 10%;">A(mm)</th> <th style="width: 20%;">LOAD INDEX SPEED CODE</th> <th style="width: 30%;">REMARK</th> </tr> <tr> <td>185/60R15</td> <td>603</td> <td>189</td> <td>139.5</td> <td>88HXL</td> <td>EXTRA LOAD</td> </tr> </table>			TIRE SIZE	D(mm)	S(mm)	A(mm)	LOAD INDEX SPEED CODE	REMARK	185/60R15	603	189	139.5	88HXL	EXTRA LOAD																			
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185/60R15	603	189	139.5	88HXL	EXTRA LOAD																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">SCALE : FREE</td> <td style="width: 15%;">DATE : 2019.12.11</td> <td style="width: 15%;">DESIGNED BY</td> <td style="width: 15%;">CHECKED BY</td> <td style="width: 15%;">APPROVED BY</td> <td style="width: 20%;">DRAWING NO.</td> </tr> <tr> <td>ZODO TIRE CO.,LIMITED</td> <td></td> <td>Xu Huili</td> <td>Xie Baoshan</td> <td>Shen Maoqiao</td> <td>TITLE</td> </tr> <tr> <td colspan="5"></td> <td>185/60R15 88HXL</td> </tr> </table>						SCALE : FREE	DATE : 2019.12.11	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.	ZODO TIRE CO.,LIMITED		Xu Huili	Xie Baoshan	Shen Maoqiao	TITLE						185/60R15 88HXL											
SCALE : FREE	DATE : 2019.12.11	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.																													
ZODO TIRE CO.,LIMITED		Xu Huili	Xie Baoshan	Shen Maoqiao	TITLE																													
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Page 2 of 6

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


APPENDIX 6. CONSTRUCTION IMAGE ⁽¹⁾

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

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	:	<table><tr><th>Date of report</th><th>Date of test</th><th>Location of test</th><th>Reference</th></tr><tr><td>2016-09-23</td><td>2016-09-19</td><td>Heze, China</td><td>extsion number 00</td></tr><tr><td>2020-02-24</td><td>2020-01-02</td><td>Heze, China</td><td>CN20020394</td></tr></table>	Date of report	Date of test	Location of test	Reference	2016-09-23	2016-09-19	Heze, China	extsion number 00	2020-02-24	2020-01-02	Heze, China	CN20020394
Date of report	Date of test	Location of test	Reference											
2016-09-23	2016-09-19	Heze, China	extsion number 00											
2020-02-24	2020-01-02	Heze, China	CN20020394											
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 Automotive Technology S.A.Institute for Applied Automotive Research L' Albornar P.O. Box 20 E-43710 Santa Oliva (Tarragona) Spain												
Name and address of branch office of designated technical service	:	N.A.												
Tyre size designation	:	185/60R15												
Brand-name(s) / trademark(s)	:	CONSTANCY, ILINK, LUXXAN, RHINO, ARIVO, GRENLANDER, T TYRE, CRYSTAL, ROCKBLADE, FRONWAY, SAILWIN, XBRI, ROADMARCH, KANGS, ZMAX												
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, 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, 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 XPLOER 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 XPLOER C2 A/T, GLADIATAX A/T II, ROCKBLADE A/T II, TERRAMAX ARV PRO A/T, INSPIRER A/T II, TOUGH TRAC A/T II, ROCK 737 A/T, PRIMEMAX A/T II, COMMANDER W7, CAPACITY, ECOPRO 99, COLO H02, L-GRIP55, ECOGREEN 55, VENUSATR 55, PREMIO ARZERO, INSPIRER ECO, ROCK 555, PRIMESTAR 55, LANDGEMA, COLO H03, L-GRIP99, ECOGREEN 99, VENUSATR99, INSPIRER C9, ROCK 999, LANDGEMA II												
Category of use	:	Snow												
Structure	:	Radial												
EMT (Extended Mobility Tyre)	:	N												
Speed category symbol	:	H												
Load capacity index	:	88												
Protective rib	:	N												
Tubeless	:	Y												
Standard / reinforced / T-type temporary use	:	Reinforced												
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	:													
Height of lowest tread-wear indicator	:	1.95 mm												
Height of tallest tread-wear indicator	:	2.02 mm												
Number of transverse rows of wear indicators	:	6												
Special use tread pattern features	:	N.A.												





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 : 2.2 bar

Conditioning time : 24 hrs

Test room temperature : 25 °C

Readjusted pressure : 2.2 bar

1.1.1.3 Measurements

Overall width measured : 187.5 mm

Calculated outer diameter : 603.2 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 : N

1.1.2.2 Test setup

Test drum diameter : 1.70 m

Test rim width : 5.5 inch

Test axle load : 448 kg

1.1.2.3 Conditioning

Test inflation pressure : 3.2 bar

The test inflation pressure differs from those given under Annex 7 paragraph 1.2 : N

Conditioning time : 3 hrs

Test room temperature : 28 °C

Readjusted pressure : 3.2 bar

1.1.2.4 Outer diameter before test : 604.2 mm

1.1.2.5 Test procedure

Time from zero to initial test speed : 10 min

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 : N

Superficial blistering after the load/speed test caused by the specific test equipment and conditions : N

Conditioning time after test : 6 hrs

Calculated outer diameter of measured circumference after test : 605.1 mm

Change in outer diameter after test : 0.15 %



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	:	3.0 bar
	Adjusted pressure	:	2.2 bar
	Conditioning time	:	24 hrs
	Test room temperature	:	25 °C
	Readjusted pressure	:	2.2 bar
1.2.1.3	Measurements		
	Overall width measured	:	186.6 mm
	Calculated outer diameter	:	601.6 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	:	N
1.2.2.2	Test setup		
	Test drum diameter	:	1.70 m
	Test rim width	:	5.5 inch
	Test axle load	:	448 kg
1.2.2.3	Conditioning		
	Test inflation pressure	:	3.2 bar
	The test inflation pressure differs from those given under Annex 7 paragraph 1.2	:	N
	Conditioning time	:	3 hrs
	Test room temperature	:	25 °C
	Readjusted pressure	:	3.2 bar
1.2.2.4	Outer diameter before test	:	602.9 mm
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		
	Traces of tread separation, ply separation, cord separation, chunking or broken cords after the load/speed test	:	N
	Superficial blistering after the load/speed test caused by the specific test equipment and conditions	:	N
	Conditioning time after test	:	6 hrs
	Calculated outer diameter of measured circumference after test	:	605.1 mm
	Change in outer diameter after test	:	0.36 %



2	TYRE MARKINGS	STATEMENT ⁽¹⁾
2.1	Brand name or trade mark	: Marked
2.2	Trade description / commercial name	: Marked
2.3	Date of manufacture	: Marked
	- character height ≥ 4 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 ≥ 6 mm	: Y
	"RADIAL"	: Marked
	- character height ≥ 4 mm	: Y
	"B" and "BIAS BELTED"	: N.A.
	"TUBELESS"	: Marked
	- character height ≥ 4 mm	: Y
	Run flat symbol	: N.A.
	EMT (Extended mobility tyre) symbol	: N.A.
	"REINFORCED" or "EXTRA LOAD"	: Marked
	- character height ≥ 4 mm	: Y
	"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

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

S	: 189 mm
D	: 603 mm
A	: 139.5 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 : 185/60R15
- 4.1.2.1 Brand-name(s) / trademark(s) : CONSTANCY, ILINK, LUXXAN, RHINO, ARIVO, GRENLANDER, T TYRE, CRYSTAL, ROCKBLADE, FRONWAY, SAILWIN, XBRI, ROADMARCH, KANGS, ZMAX
- 4.1.2.2 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, 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, 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 XPLOER 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 XPLOER C2 A/T, GLADIATAX A/T II, ROCKBLADE A/T II, TERRAMAX ARV PRO A/T, INSPIRER A/T II, TOUGH TRAC A/T II, ROCK 737 A/T, PRIMEMAX A/T II, COMMANDER W7, CAPACITY, ECOPRO 99, COLO H02, L-GRIP55, ECOGREEN 55, VENUSATR 55, PREMIO ARZERO, INSPIRER ECO, ROCK 555, PRIMESTAR 55, LANDGEMA, 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 : 88
- 4.1.7 Tubeless : Y
- 4.1.8 Standard / reinforced / T-type temporary use : Reinforced
- 4.1.9 EMT (Extended mobility tyre) : N
- 4.1.10 Ply-rating number of diagonal (bias-ply) tyres; except for T-type temporary use spare tyres : N.A.
- 4.1.11 The overall dimensions: overall section width and outer diameter : Values per construction variant
- | # | Overall section width (mm) | Outer diameter (mm) |
|---|----------------------------|---------------------|
| 1 | 187.5 | 603.2 |
| 2 | 186.6 | 601.6 |
- 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 application of Annex 7 paragraph 1.3 to this Regulation : Values per construction variant
- | # | 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 maximum speed permitted by the tyre manufacturer and the : N.A.



- 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" : N.A.
- 4.2 The application for approval is accompanied by drawings or images of
1. The tyre tread pattern : Y
 2. Envelope of the inflated tyre mounted on the measuring rim, showing the relevant dimensions (see paragraphs 6.1.1 and 6.1.2) : Y
 3. The side wall showing the relevant markings : Y
- 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. : Values per construction variant

#	Worst case
---	------------

1	N
2	N



Reason(s) of extension : Update of tyre type designation(s);
Upgrade of regulation supplement number;
Update of construction variant(s);
Change of technical service;
Addition of brand names; Addition of trade descriptions; Deletion of trade description; 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 truthfully 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 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 : Lluís Sans Gomis
Function of above mentioned authorised person : DEPARTMENT MANAGER
E-mail address of department or above mentioned authorised person : lsans@idiada.com
Place of submission : L'Albornar, Santa Oliva (Tarragona)
Submitted for approval on (date) : 19/03/2020 22:36:44
Reference id of the application given by the applicant :

