

APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE ACCORDING TO ECE
REGULATION No. 30, 02 SERIES OF AMENDMENTS

1. Manufacturer's name or trade mark(s) on the tyre type⁽²⁾ : GRENLANDER; LANWOO; DEEMAX; ALLOSAURUS; LONGYUE; ARIVO
2. Tyre type designation by the manufacturer⁽²⁾ : COLO H01; RUNNER H100; GRIPFORTE DH9; TORVO AH7; RISEUS H501; PREMIO ARZ1
3. Manufacturer's name and address : Shandong Longyue Rubber Co., Ltd.
The South of Yalujiang Road, Wenzhuang Village Qinghe
Agency of Cao County, Heze city, Shandong Province,
P.R.China
4. If applicable, name and address of the manufacturer's representative : N.A.
5. Summarized description
 - 5.1. Tyre size designation : 215/65R16
 - 5.2. Category of use : ~~normal~~/snow/special use/temporary use⁽¹⁾
 - 5.3. Structure : ~~diagonal/bias-belted~~/radial/run-flat tyre⁽¹⁾
 - 5.4. Speed category symbol : H
 - 5.5. Load-capacity index : 98
6. Overall dimensions : ETRTO/calculated/Annex 5⁽¹⁾
 - overall section width : 221
 - outer diameter : 686
7. Factor 'x' : 0.7
8. Rims on which the tyre can be mounted : 6½J
9. Measuring rim and test rim : See attached test report
10. State whether the tyre is : Tubeless / ~~tube type~~⁽¹⁾
11. State whether the tyre is : Standard / ~~reinforced~~⁽¹⁾
12. State if special use tyre : N.A.
 - Professional Off-Road : ~~Yes/no~~⁽¹⁾
 - Tread depth : N.A.
 - Void to fill ratio : N.A.
13. Submitted for approval on (date) : October 26, 2016

We herewith declare that we have not applied and will not apply for approval with another Contracting Party of the ECE for the same type of product.

MANUFACTURER'S STAMP



Signature :

Liu Xinliang

Name: Liu Xinliang

THIS APPLICATION IS ACCOMPANIED BY:

- A drawing of the tyre's side wall, tread and dimensioned cross section.
- The test report.



(1) Strike out what does not apply.

(2) Modified points are underlined for extension.

THE NETHERLANDS
(N E D E R L A N D)**COMMUNICATION**Concerning ⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

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

Approval number: E4-30R-0298353**Extension number: 00**

1. Manufacturer's name or trade mark(s) on the tyre type : GRENLANDER; LANWOO; DEEMAX; ALLOSAURUS; LONGYUE; ARIVO
2. Tyre type designation by the manufacturer : COLO H01; RUNNER H100; GRIPFORTE DH9; TORVO AH7; RISEUS H501; PREMIO ARZ1
3. Manufacturer's name and address : Shandong Longyue Rubber Co., Ltd.
The South of Yalujiang Road, Wenzhuang Village Qinghe Agency of Cao County, Heze city, Shandong Province, P.R. China
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Summarised description
 - 5.1. Tyre size designation : 215/65R16
 - 5.2. Category of use : ~~normal~~/snow/~~special use~~/temporary use ⁽¹⁾
 - 5.3. Structure : ~~diagonal/bias belted~~/radial/~~run flat~~ tyre ⁽¹⁾



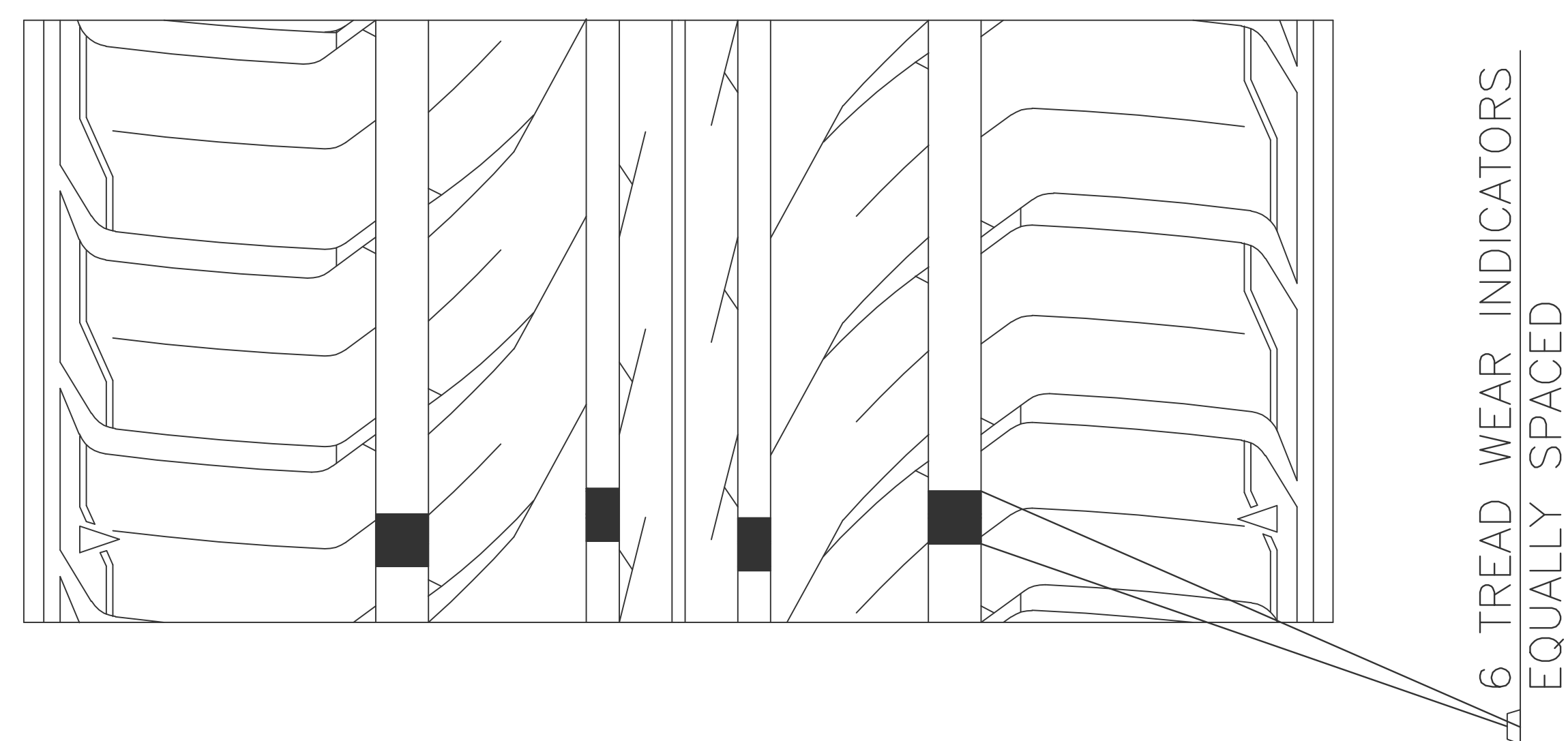
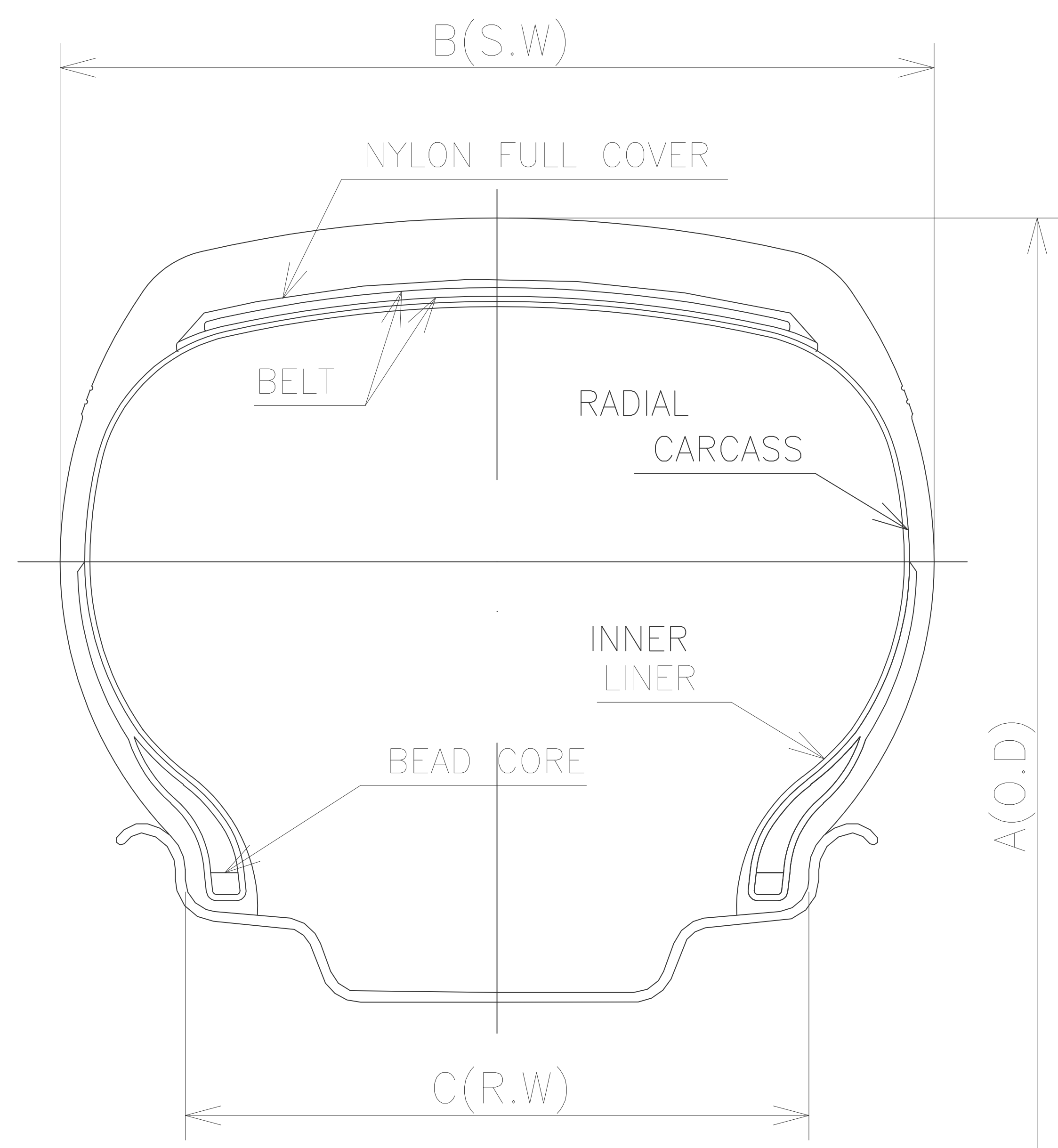
- 5.4. Speed category symbol : H
- 5.5. Load-capacity index : 98
6. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Typprüfstelle Fahrzeuge/Fahrzeugteile
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of report issued by that service : November 08, 2016
8. Number of report issued by that service : 86-R30-3215/16-00
9. Reason(s) of extension (if applicable) : Not applicable
10. Any remarks : ---
11. Approval : granted/~~extended/refused/withdrawn~~ ⁽¹⁾
12. Place : Zoetermeer
13. Date : 01-DEC-2016
14. Signature :



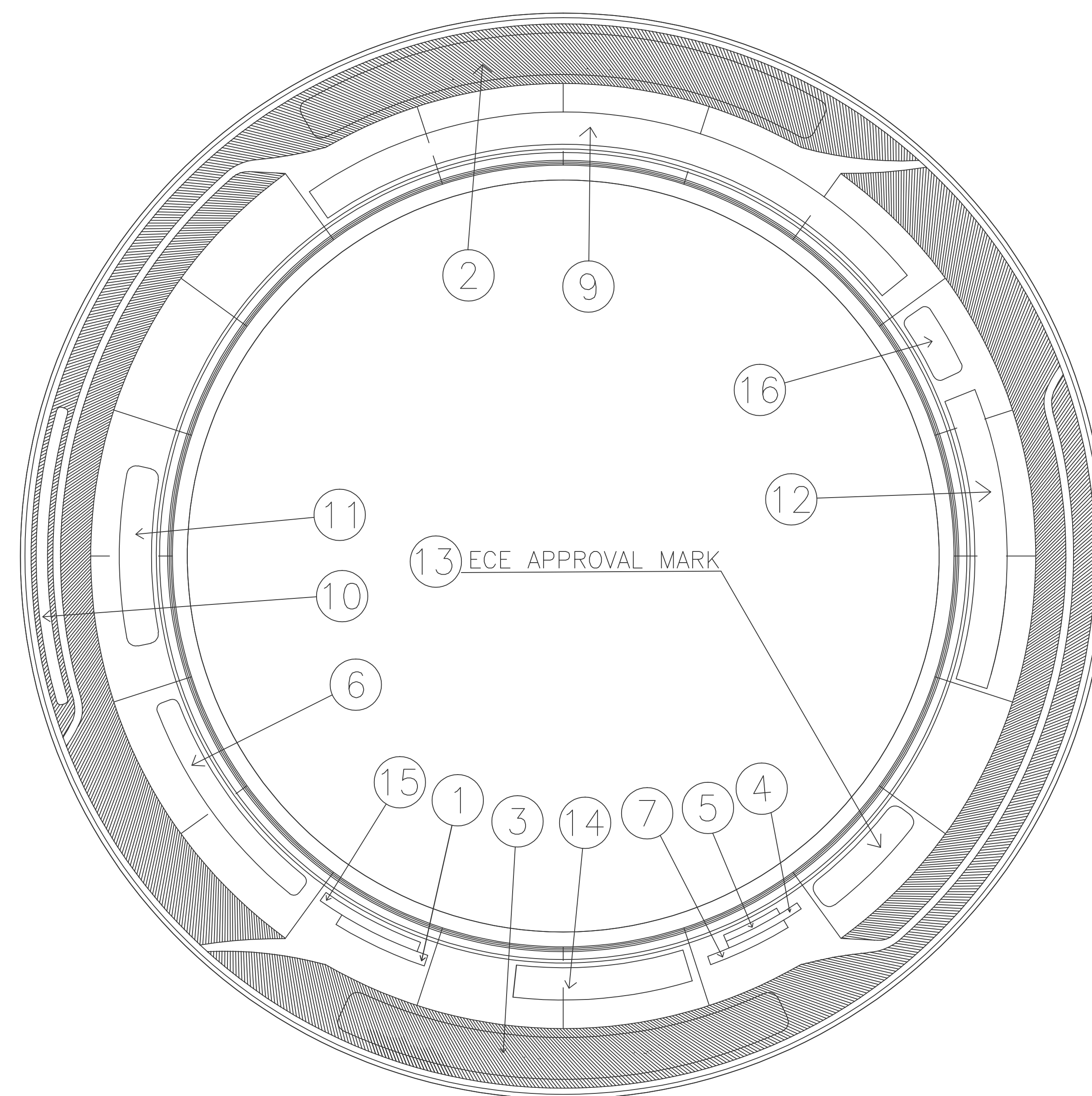
T. H. K. Spatz RDW

15. 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 8.

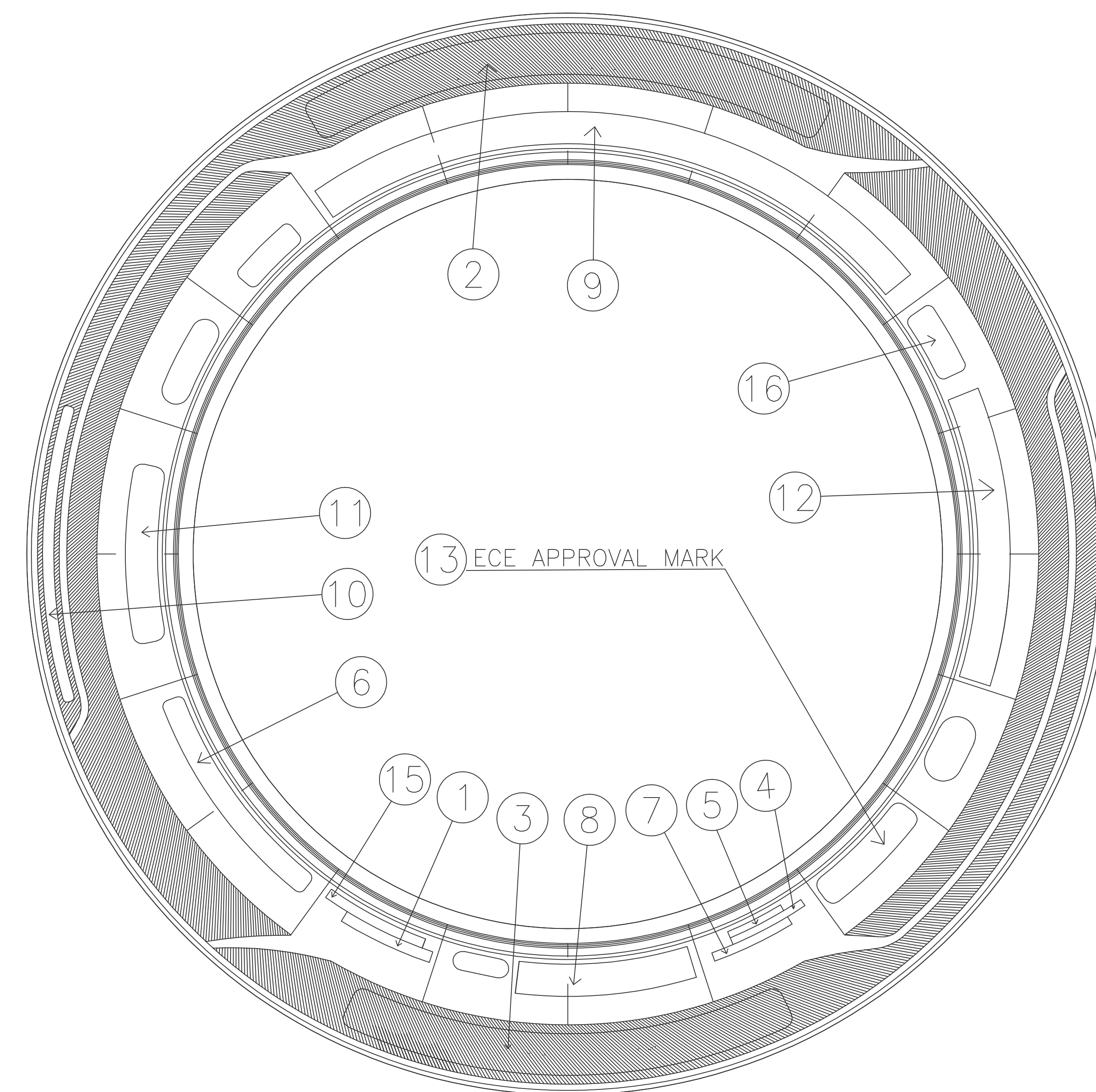
⁽¹⁾ Strike out what does not apply.



COLO H01;RUNNER H100;GRIPFORTE DH9;
TORVO AH7;RISEUS H501;PREMIO ARZ1



UPPER



LOWER

1	RADIAL	11	MAX. LOAD 750kg(1653 LBS) MAX. PRESSURE 300kPa(44 PSI)
2	GRENLANDER;LANWOO;DEEMAX;ALLOSAURUS; LONGYUE;ARIVO	12	215/65R16 98H
3	COLO H01;RUNNER H100;GRIPFORTE DH9; TORVO AH7;RISEUS H501;PREMIO ARZ1	13	ECE APPROVAL MARK
4	MOLD No.	14	DOT 17B JNEAPA
5	MADE IN CHINA	15	TUBELESS
6	PLIES:TREAD 2POLYESTER 2STEEL 1NYLON SIDEWALL 2POLYESTER	16	M+S
7	RIM: 6½J		
8	DOT 17B JNEAPA XXXX (DATE CODE)		
9	SAFETY WARNING		
10	TREADWEAR 420 TRACTION A TEMPERATURE A		



TIRE SIZE	A(mm)	B(mm)	C(INCH)	LOAD INDEX SPEED CODE	REMARK
215/65R16	686	221	6½	98H	

SCALE : FREE	DATE : 2016.10.26	DESIGNED BY	CHECKED BY	APPROVED BY	DRAWING NO.	E4-JNEA
SHANDONG LONGYUE RUBBER CO., LTD.		Li Qiang	Li Ying	Tang Haitao	TITLE	215/65R16 98H

Type : 215/65R16
Manufacturer : Shandong Longyue Rubber Co., Ltd.

TEST REPORT

according to UNECE-Regulation

**Uniform provisions concerning the approval of pneumatic tyres
for motor vehicles and their trailers**

ECE-R30

including all amendments until
Amend.02, Suppl. 17

Approval Status

UNECE approval : E4-30R-0298353 Ext.00

Structure of the Test Report

Item No.

0. General information
 1. Tested ~~vehicle(s)~~ / object(s)
 2. Test record
 3. List of appendices
 4. Statement of conformity
-

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.



Type : 215/65R16
Manufacturer : Shandong Longyue Rubber Co., Ltd.

0. General Information

- 0.1. Make (trade name of the manufacturer) : Shandong Longyue Rubber Co., Ltd.
- 0.2. Type : 215/65R16
- 0.3. Category of vehicle : Not applicable
- 0.4. Name and address of the manufacturer : Shandong Longyue Rubber Co., Ltd.
The South of Yalujiang Road, Wenzhuang Village
Qinghe Agency of Cao County,
Heze city, Shandong Province,
P.R. China
- 0.5. No. of the information folder : Not applicable
-Date of issue : October 26, 2016
-Date of last change : ---

1. Tested ~~vehicle(s)~~ / object(s)

- 1.1 Description
- 1.1.1. ~~Vehicle~~ / object
- Commercial description : Not applicable
- Type(s) ~~/ variant(s) / version(s)~~ : 215/65R16
- Identification number : See Appendix 1
- 1.1.2. Condition of ~~vehicle(s)~~ / Object(s) : New / ~~used~~ / ~~pre-tested~~
- 1.2. Worst case selection : The determination of the worst case was done according to internal procedures of the Technical Service (QMA 1.301.005, section 6.2.2.2.).
- 1.3. Remarks : Not applicable



Type : 215/65R16
 Manufacturer : Shandong Longyue Rubber Co., Ltd.

2. Test record

- 2.1. Equipment for measuring and testing : The test facilities / measurement equipment used were in compliance with the test requirements
- 2.1.1. Specifications for the test site : Not applicable
- 2.1.2. Subcontracting : Not applicable
- 2.2. Test results : See Appendix 1
- Numbering according to Paragraph 6. and 7. of the UNECE-R30
- 2.2.1. Test results referring to measurements : Pass / ~~Fail~~
- 2.2.2. Attributive tests : Not applicable
- 2.2.3. Alternative test provisions : Not applicable
- Remarks concerning extension : ~~The type has been tested according to the modification(s) mentioned in appendix 0.~~
~~The new parts meet the requirements of the regulation.~~
~~An actual practical test of the type was not necessary.~~
~~The results of the previous test(s) are still valid.~~
- 2.3. Additional information : The results of the test refer exclusively to the object(s) mentioned under point 1. of this report.
- Test site : Shandong Longyue Rubber Co., Ltd.
 The South of Yalujiang Road, Wenzhuang Village
 Qinghe Agency of Cao County,
 Heze city, Shandong Province,
 P.R. China
- Test date : November 01 ~ 02, 2016
- 2.4. Remarks : Not applicable



Type : 215/65R16
Manufacturer : Shandong Longyue Rubber Co., Ltd.

3. List of Appendices

Appendix 0 : List of modifications
Appendix 1 : Test minutes

4. Statement of conformity

The in point 0.5. mentioned information folder and the type described in that comply with the requirements mentioned on page 1.

With regard to the required level of performance to be achieved, the tested items were representative for the type to be approved (see point 1.2).

The mentioned test results refer to the vehicle(s)/object(s) described under point 1.1 of this report.

Engineering Centre Shanghai, / November 08, 2016
SR/JZ



Su Rui
Expert Technical Service





Type : 215/65R16
Manufacturer : Shandong Longyue Rubber Co., Ltd.

List of modifications

Appendix 0

Correction of : ---

Modification of : ---

Addition of : ---

Deletion of : ---



Type : 215/65R16
 Manufacturer : Shandong Longyue Rubber Co., Ltd.

Test minutes

Appendix 1

1. Test data

1.1. Test object(s) markings

- 1.1.1 Trade name or mark : GRENLANDER
- 1.1.2 Tyre type designation : COLO H01
- 1.1.3 Plies of Tread / Sidewall : 2 POLYESTER + 2 STEEL + 1 NYLON / 2 POLYESTER
- 1.1.4 Tyre size designation : 215/65R16
- 1.1.5 Category of use : Snow
 Indication of category of use : word "M+S"
- 1.1.6 Structure : Radial
 Indication / symbol of structure : Word "RADIAL", letter "R" in front of rim diameter marking
- 1.1.7 Speed category : H
- 1.1.8 Load-Capacity Indices(L.I.) : 98
- 1.1.9 Word in case of without inner tube : Word "TUBELESS"
- 1.1.10 Word in case of reinforced tyre : n/a(Standard tyre)
- 1.1.11 Date of manufacture : 4216

1.2. Dimension measurement according to Annex 6

- 1.2.1 Measuring rim : 6.50J x 16
- 1.2.2 Inflation pressure after mounting on measuring rim : 3.0 bar
- 1.2.3 Inflation pressure adjusted before conditioning : 1.8 bar
- 1.2.4 Conditioning of tyre : More than 24 hours
- 1.2.5 Inflation pressure readjusted after conditioning : 1.8 bar



- 1.2.6 Overall width at six equally spaced points
- | Overall width at six equally spaced points | | | | Height of six equally spaced tread wear indicators | | | |
|--|----------|----|----------|--|---------|----|---------|
| 1. | 222.2 mm | 4. | 222.3 mm | 1. | 1.93 mm | 4. | 1.99 mm |
| 2. | 222.7 mm | 5. | 222.4 mm | 2. | 2.11 mm | 5. | 1.93 mm |
| 3. | 222.6 mm | 6. | 222.2 mm | 3. | 1.95 mm | 6. | 1.94 mm |
| Max.: | 222.7 mm | | | | | | |

Type : 215/65R16
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1.2.7	Circumference	:	2155 mm
1.2.8	Outer diameter	:	686.0 mm
1.2.9	Tread depth / void to fill ratio in case of special use tyre	:	Not applicable

1.3. Load/speed performance test according to Annex 7

1.3.1	Test machine	: GN-YLSN-1112
1.3.2	Diameter of test drum	: 1.707 m
1.3.3	Test rim	: 6.50J x 16
1.3.4	Inflation pressure adjusted before conditioning	: 2.8 bar
1.3.5	Conditioning of tyre	: More than 3 hours
1.3.6	Test-room temperature	: 22.0 °C ~ 26.0 °C
1.3.7	Inflation pressure readjusted after conditioning	: 2.8 bar
1.3.8	Circumference after conditioning, before testing	: 2158 mm
1.3.9	Outer diameter after conditioning, before testing	: 686.9 mm
1.3.10	Test load (80%)	: 600 kg

Step	Step-Duration [min]	Total Duration [min]	Actual speed (km/h)
1.	10	10	0 – 170
2.	10	20	170
3.	10	30	180
4.	10	40	190
5.	20	60	200

1.3.11	Conditioning after testing	: More than 6 hours
1.3.12	Circumference after conditioning, after testing	: 2168 mm
1.3.13	Outer diameter after conditioning, after testing	: 690.1 mm
1.3.14	Difference outer diameter before and after testing (max. 3.5 %)	: 3.2 mm : 0.47 %
1.3.15	Inspection after test	: The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.



The logo of the Dutch Road Transport Safety Board (RDW) is located in the bottom right corner. It features a blue circular emblem with a crown at the top, two lions on either side of a central shield, and the text 'RDW' at the bottom.

2. Remarks : ---

