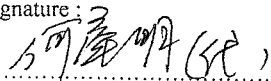


**APPLICATION FOR EXTENTION APPROVAL OF A TYPE OF PNEUMATIC TYRE ACCORDING TO ECE
REGULATION No. 54, 00 SERIES OF AMENDMENTS**

- | | | | |
|--------|--|---|--|
| 1. | Manufacturer's name or trade mark ⁽²⁾ | : | TRIANGLE or DIAMONDBACK or VALLEYSTONE |
| 2. | Tyre type designation by the manufacturer ⁽²⁾ | : | TR246 or <u>TR292</u> or <u>DR292</u> |
| 3. | Manufacturer's name and address | : | Triangle Tyre Co., Ltd.
56 Qingdao (M) Road
264200 Weihai, Shandong
China (PRC) |
| 4. | If applicable, name and address of manufacturer's representative | : | not applicable |
| 5. | Summarised description, | | |
| 5.1. | Tyre size designation | : | LT235/85R16 |
| 5.2. | Category of use | : | normal /special/snow ⁽¹⁾ |
| 5.3. | Structure | : | diagonal (bias ply) /radial ⁽¹⁾ |
| 5.4. | Speed category symbol | | |
| 5.4.1. | Nominal | : | Q |
| 5.4.2. | Additional (if applicable) | : | not applicable |
| 5.5. | Load capacity indices | | |
| 5.5.1. | corresponding to nominal speed | : | single: 120, twinned (dual): 116 |
| 5.5.2. | corresponding to additional speed | : | single: ---, twinned (dual): --- |
| 6. | Overall dimensions(design) | | |
| | overall section width | : | 235 |
| | outer diameter | : | 807 |
| 7. | Factor 'x' | : | 0.7 |
| 8. | Ply-rating number for diagonal (bias ply) tyres | : | Not applicable |
| 9. | Rims on which the tyre can be mounted | : | 6.5J |
| 10. | Measuring rim and test rim | : | see attached test report |
| 11. | Tyre class | : | C2 / C3 ⁽¹⁾ |
| 12. | State whether the tyre is | : | tube less / tube type ⁽¹⁾ |
| 13. | Traction tyre | : | Yes / no (see the tread pattern detail in drawing) ⁽¹⁾ |
| 14. | State if special use tyre | : | n.a. |
| | Professional Off-Road | : | Yes / no ⁽¹⁾ |
| | Tread depth / Void to fill ratio | : | n.a. |
| 15. | Inflation pressure and index for measuring and testing | : | 80 PSI (also see attached test report) |
| 16. | Submitted for approval on (date) | : | October. 15, 2019 |

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: 

Name: Wang Dapeng

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 54.

Approval number: E4-54R-0010135**Extension number: 03**

1. Manufacturer's name and address : Triangle Tyre Co., Ltd.
56, Qingdao(M) Road,
264200 Weihai, Shandong,
China(PRC)
2. Tyre type designation⁽²⁾
 - 2.1. Brand-name(s) or trade mark(s) : TRIANGLE; DIAMONDBACK;
VALLEYSTONE
 - 2.2. Trade description(s)/ Commercial name(s) : TR246; TR292; DR292
3. If applicable, name and address of the manufacturer's representative : not applicable
4. Summarized description
 - 4.1. Size of tyre : LT235/85R16
 - 4.2. Category of use : ~~normal~~/snow/~~special~~ ⁽¹⁾
 - 4.3. Structure : ~~diagonal(bias ply)~~/radial ⁽¹⁾
 - 4.4. Tyre class : C2/~~C3~~ ⁽¹⁾
 - 4.5. Speed category symbol:

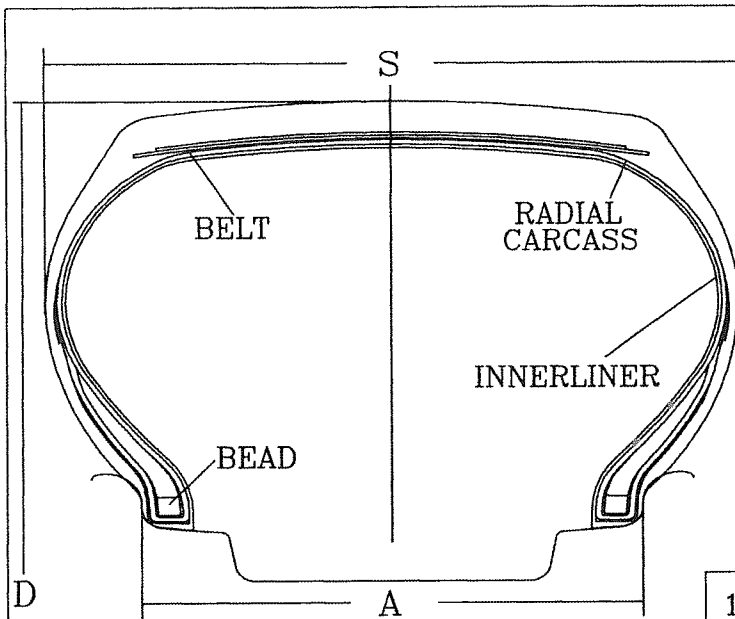
- 4.5.1. Nominal : Q
- 4.5.2. additional (if applicable) : ---
- 4.6. Load-capacity indices:
- 4.6.1. Corresponding to nominal speed:
- single : 120
 - twinned (dual) : 116
- 4.6.2. Corresponding to additional speed:
- single : ---
 - twinned (dual) : ---
5. Technical service and, where applicable, test 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)
6. Date of report issued by that service : November 07, 2019
7. Number of report issued by that service : 86-R54-4548/19-00
8. Reason(s) of extension (if applicable) : Addition of trade descriptions
9. Any remarks : ---
10. Place : Zoetermeer
11. Date : 22 November 2019
12. Signature :
13. Annexed to this communication is a list of documents in the approval file 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 54.
 - The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
 - The test report as mentioned in item 7.



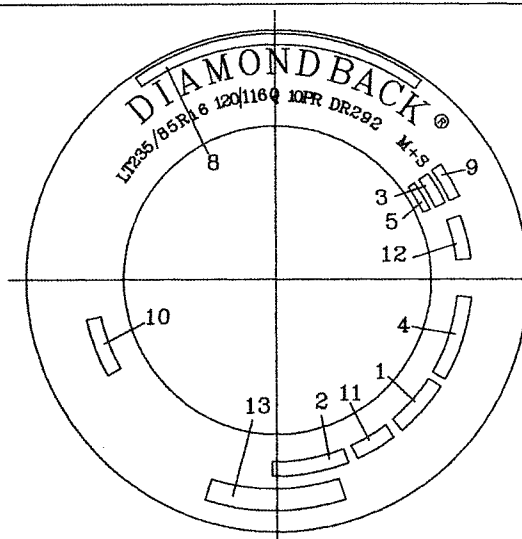
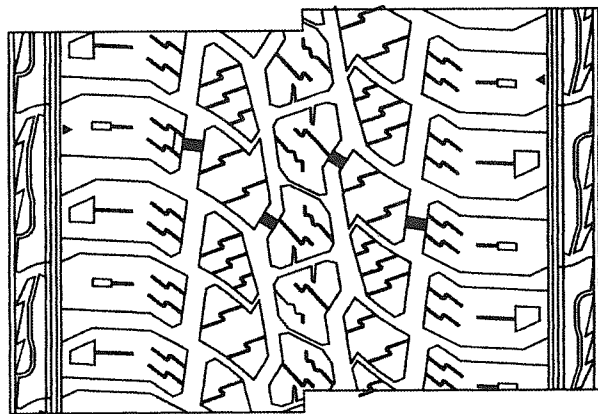
T. Ploshchansky

(1) Strike out what does not apply.

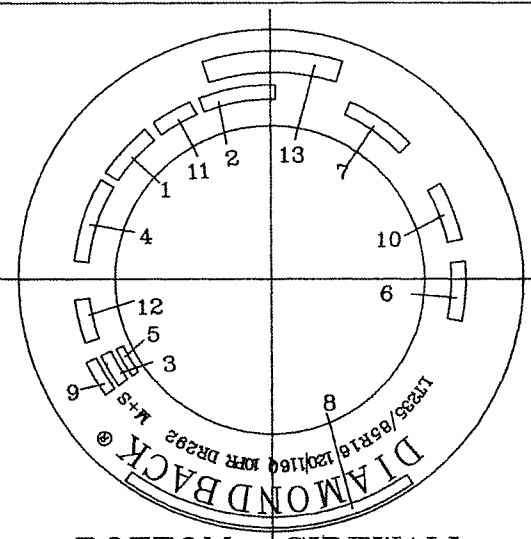
(2) A list of Brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication



PROJECTION

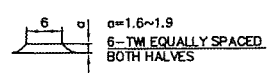


TOP SIDEWALL



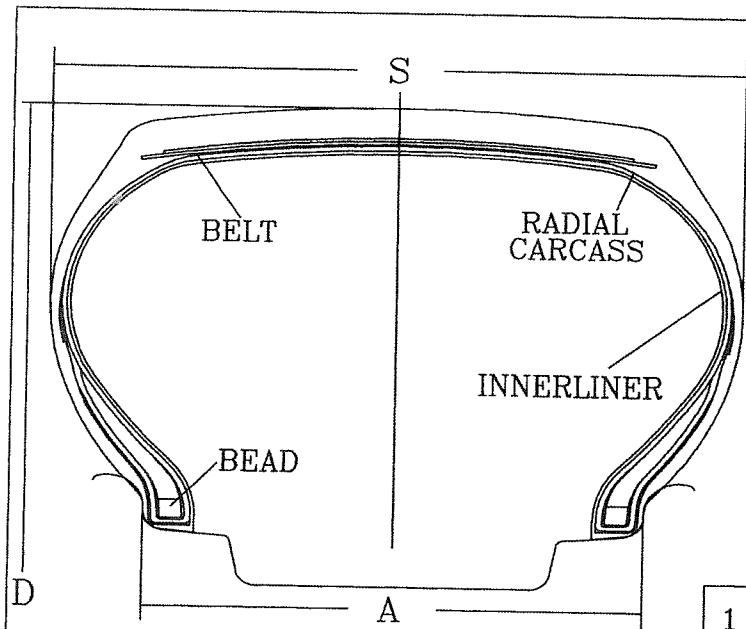
BOTTOM SIDEWALL

1	TREAD : 2 POLYESTER + 2 STEEL + 1 NYLON SIDEWALL : 2 POLYESTER
2	MAX. LOAD SINGLE 1380kg (3042 lbs) AT 550kPa (80 psi) COLD MAX. LOAD DUAL 1260kg (2778 lbs) AT 550kPa (80 psi) COLD
3	MADE IN CHINA
4	RADIAL TUBELESS STEEL BELTED
5	STANDARD RIM 6.5J
6	ECE APPROVAL MARK & APPROVAL No.
7	DATE CODE
8	SAFETY WARNING :
9	TRIANGLE GROUP
10	3C
11	LOAD RANGE E
12	ALL TERRAIN
13	TYRE SERIES MARKING

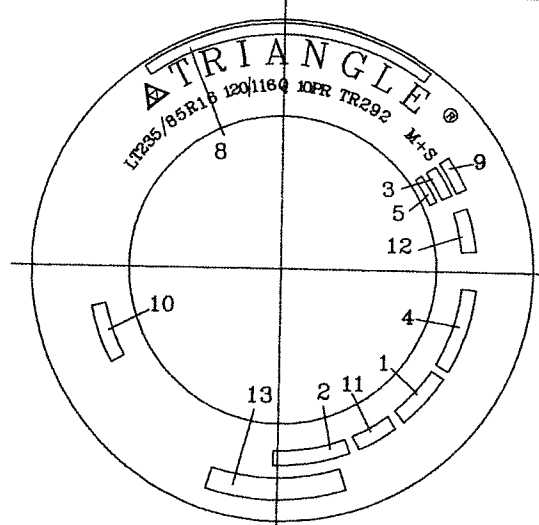
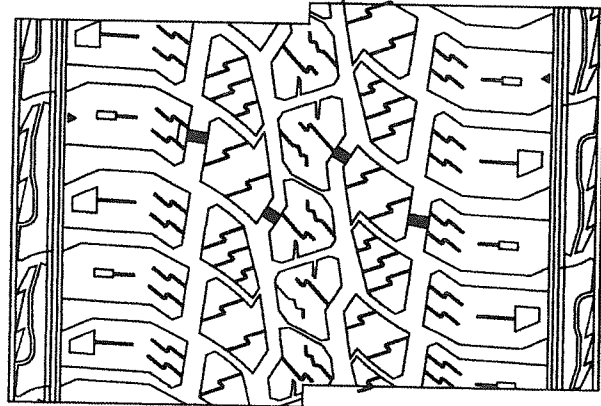


LT235/85R16	120/116	Q	TL	806	235	165.1	9.9
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)	S(mm)	A(mm)	SKID DEPTH (mm)

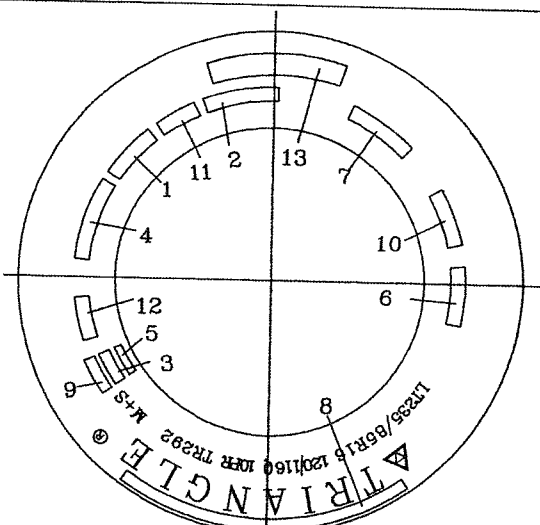
DRAWN BY *[Signature]* CHECKED BY *[Signature]* APPROVED BY *[Signature]* TRIANGLE TYRE Co.,Ltd. **DIAMONDBACK®**



PROJECTION

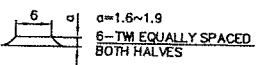


TOP SIDEWALL



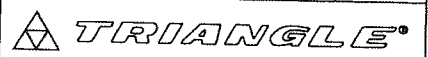
BOTTOM SIDEWALL

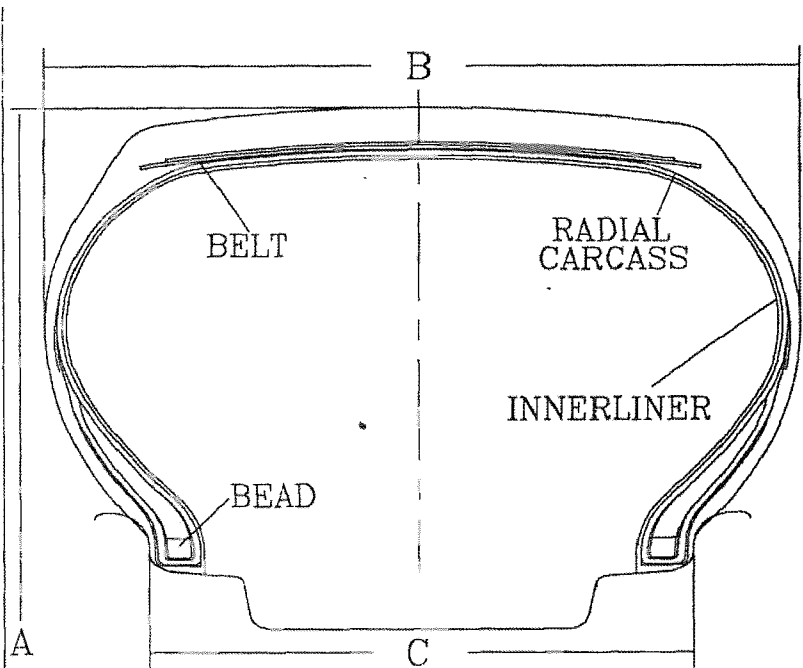
1	TREAD : 2 POLYESTER + 2 STEEL + 1 NYLON SIDEWALL : 2 POLYESTER
2	MAX. LOAD SINGLE 1380kg (3042 lbs) AT 550kPa (80 psi) COLD MAX. LOAD DUAL 1260kg (2778 lbs) AT 550kPa (80 psi) COLD
3	MADE IN CHINA
4	RADIAL TUBELESS STEEL BELTED
5	STANDARD RIM 6.5J
6	ECE APPROVAL MARK & APPROVAL No.
7	DATE CODE
8	SAFETY WARNING :
9	TRIANGLE GROUP
10	3C
11	LOAD RANGE E
12	ALL TERRAIN
13	TYRE SERIES MARKING



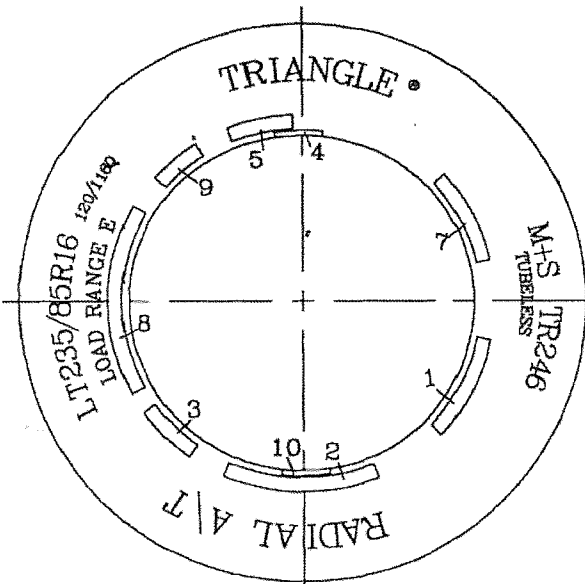
LT235/85R16	120/116	Q	TL	806	235	165.1	9.9
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)	S(mm)	A(mm)	SKID DEPTH (mm)

DRAWN BY *[Signature]* CHECKED BY *[Signature]* APPROVED BY *[Signature]* TRIANGLE TYRE Co.,Ltd.

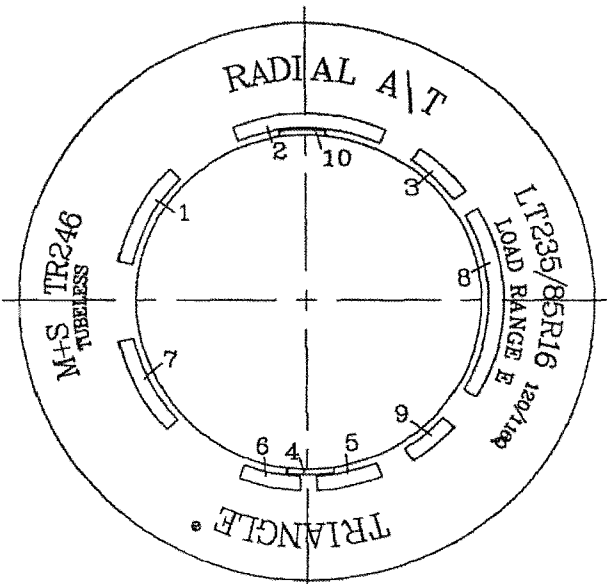




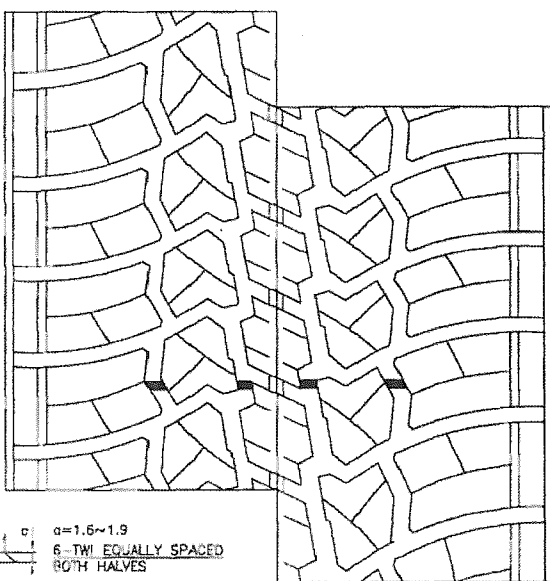
PROJECTION



TOP SIDEWALL



BOTTOM SIDEWALL

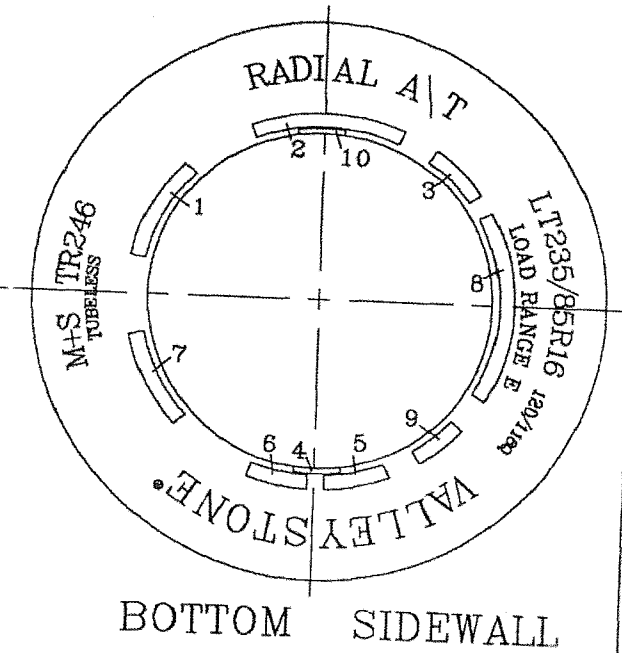
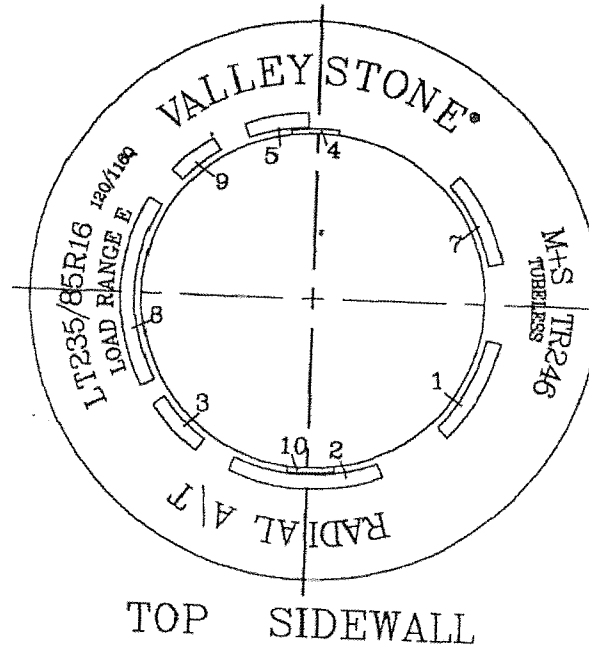
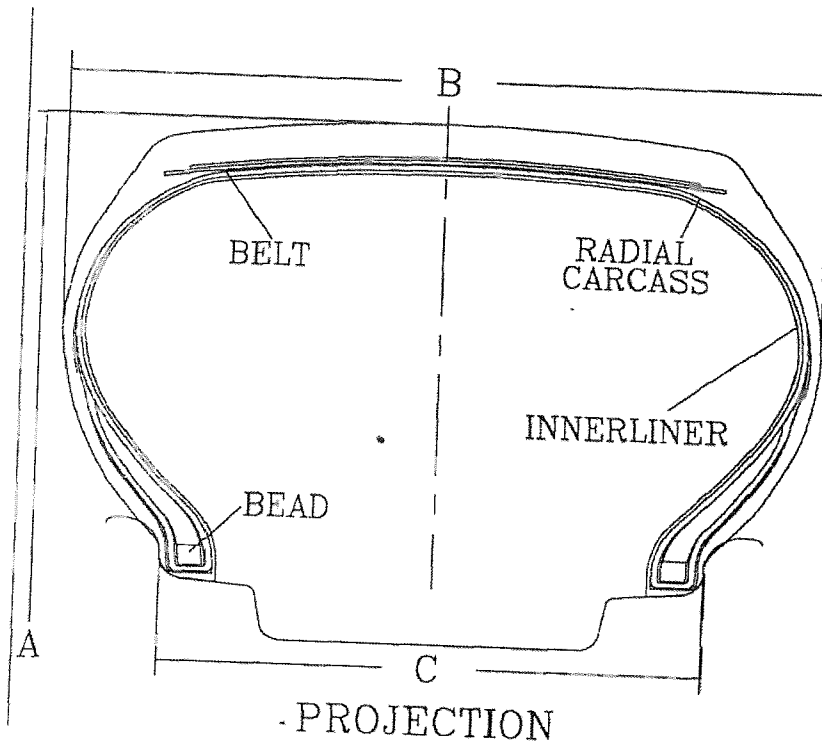


6 a
a=1.6~1.9
6-TWI EQUALLY SPACED
BOTH HALVES

1	TREAD : 2 PLYS STEEL +2 PLYS POLYESTER +1 NYLON						
	SIDEWALL : 2 PLYS POLYESTER						
2	MAX. LOAD SINGLE 1380kg(3042lbs) AT 550 KPa (80psi) COLD						
	MAX. LOAD DUAL 1260kg(2778lbs) AT 550kPa (80psi) COLD						
3	ALL TERRAIN						
4	MADE IN CHINA						
5	DOT **LP **** (**** DATE CODE) (lower) DOT **LP (upper)						
6	ECE APPROVAL MARK & APPROVAL No. (LOWER)						
7	CAUTION:MOUNT ONLY ON 16 INCH RIM DO NOT MOUNT ON 16.5 INCH RIM						
8	SAFETY WARNING :						
9	CCC						
10	TRIANGLE GROUP						
LT235/85R16	120/116	Q	TL	806	235	165.1	12.7
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A(mm)	B(mm)	C(mm)	SKID DEPTH (mm)

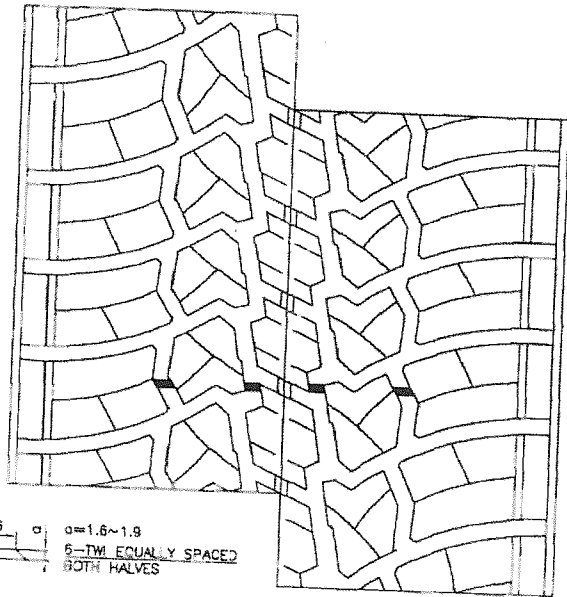


DRAWN BY *[Signature]* CHECKED BY *[Signature]* APPROVED BY *[Signature]* TRIANGLE TYRE Co.,Ltd. **TRIANGLE**



TOP SIDEWALL

BOTTOM SIDEWALL



1	TREAD : 2 PLYS STEEL +2 PLYS POLYESTER +1 NYLON						
	SIDEWALL : 2 PLYS POLYESTER						
2	MAX. LOAD SINGLE 1380kg(3042lbs) AT 550 KPa (80psi) COLD						
	MAX. LOAD DUAL 1260kg(2778lbs) AT 550kPa (80psi) COLD						
3	ALL TERRAIN						
4	MADE IN CHINA						
5	DOT **LP **** (**** DATE CODE) (lower) DOT **LP (upper)						
6	ECE APPROVAL MARK & APPROVAL No. (LOWER)						
7	CAUTION:MOUNT ONLY ON 16 INCH RIM						
	DO NOT MOUNT ON 16.5 INCH RIM						
8	SAFETY WARNING :						
9	CCC						
10	TRIANGLE GROUP						
LT235/85R16	120/116	Q	TL	806	235	165.1	12.7
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A(mm)	B(mm)	C(mm)	SKID DEPTH (mm)



DRAWN BY *Zul* CHECKED BY *Zul*

APPROVED BY *[Signature]* TRIANGLE TYRE Co.,Ltd.

VALLEYSTONE®

Type : LT235/85R16
Manufacturer : Triangle Tyre Co., Ltd.

TEST REPORT

according to UN-Regulation

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

UN Regulation No. R54

including all amendments until

Amend.00, Suppl. 23

Approval Status

UN approval : E4-54R-0010135 Ext. 02

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 : LT235/85R16
 Manufacturer : Triangle Tyre Co., Ltd.

0. General Information

- 0.1. Make (trade name of the manufacturer) : Triangle Tyre Co., Ltd.
 0.2. Type : LT235/85R16
 0.3. Category of vehicle : Not applicable
 0.4. Name and address of the manufacturer : Triangle Tyre Co., Ltd.
 56, Qingdao(M) Road,
 264200 Weihai, Shandong,
 China(PRC)
 0.5. No. of the information folder : Not applicable
 -Date of issue : ---
 -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)~~ : LT235/85R16
 Identification number : See Appendix 1
 1.1.2. Condition of ~~vehicle(s)~~/Object(s) : New ~~/used~~ / ~~pretested~~
 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 : LT235/85R16
 Manufacturer : Triangle Tyre 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 UN R54
- 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 : Triangle Tyre Co., Ltd.
 56, Qingdao(M) Road,
 264200 Weihai, Shandong,
 China(PRC)
- Test date : April 29, 2016
- 2.4. Remarks : Not applicable



Type : LT235/85R16
Manufacturer : Triangle Tyre 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 07, 2019
LC



Linda Chen
Expert Technical Service



Type : LT235/85R16
Manufacturer : Triangle Tyre Co., Ltd.

List of modifications

Appendix 0

- Correction of : ---
- Modification of : ---
- Addition of : Trade descriptions
- Deletion of : ---



Type : LT235/85R16
 Manufacturer : Triangle Tyre Co., Ltd.

Test minutes

Appendix 1

1. Test data

1.1 Object markings

1.1.1	Trade name or mark	:	TRIANGLE	
1.1.2	Tyre type designation	:	TR246	
1.1.3	Plies of Tread / Sidewall	:	2 POLYESTER + 2 STEEL + 1 NYLON / 2 POLYESTER	
1.1.4	Tyre size designation	:	LT235/85R16	
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	:	Nominal: Q	Supplementary: ---
1.1.8	Load-Capacity Indices(L.I.) corresponding to nominal speed	:	Single: 120	Twinned: 116
	corresponding to supplementary speed	:	Single: ---	Twinned: ---
1.1.9	Index of inflation pressure for testing	:	65 PSI	
1.1.10	Ply-rating number	:	10 PR	
1.1.11	Word in case of without inner tube	:	TUBELESS	
1.1.12	Word in case of tyre can be regrooved	:	n/a	
1.1.13	Inscription in case of Free Rolling Tyre or Traction Tyre	:	n/a	
1.1.14	Date of manufacture	:	0516	

1.2. Dimension measurement according to Annex 6

1.2.1	Measuring rim	:	6.5J x 16
1.2.2	Inflation pressure after mounting on measuring rim	:	5.5 bar
1.2.3	Inflation pressure adjusted before conditioning	:	5.5 bar
1.2.4	Conditioning of tyre	:	More than 24 hours
1.2.5	Inflation pressure readjusted after conditioning	:	5.5 bar
1.2.6	Overall width at six equally spaced points		
	1. 234 mm	2. 235 mm	3. 234 mm
	4. 234 mm	5. 235 mm	6. 234 mm
	Max.: 235.0 mm		



Type : LT235/85R16
 Manufacturer : Triangle Tyre Co., Ltd.

- 1.2.7 Circumference : 2535 mm
 1.2.8 Outer diameter : 806.9 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 : TJR-2-TB(Y)
 1.3.2 Diameter of test drum : 1.707 m
 1.3.3 Test rim : 6.5J x 16
 1.3.4 Inflation pressure adjusted before conditioning : 5.5 bar
 1.3.5 Conditioning of tyre : More than 3 hours
 1.3.6 Test-room temperature : 35°C
 1.3.7 Inflation pressure readjusted after conditioning : 5.5 bar
 1.3.8 Circumference after conditioning, before testing : 2535 mm
 1.3.9 Outer diameter after conditioning, before testing : 806.9 mm
 1.3.10 90% load corresponding to L.I.(single) : 1242 kg

Step	Step-Duration [min]	Total Duration [min]	Actual speed (km/h)
1.	10	10	0-140
2.	10	20	140
3.	10	30	150
4.	30	60	160

- 1.3.11 Conditioning after testing : More than 6 hours

- 1.3.12 Circumference after conditioning, after testing : 2538 mm

- 1.3.13 Outer diameter after conditioning, after testing : 807.9 mm

- 1.3.14 Difference outer diameter before and after testing (max. 3.5 %) : 1 mm
 : 0.12 %

- 1.3.15 Inspection after test : The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.

2. Remarks : The test data mentioned in Paragraph 1. of Appendix 1 refer to report No.: 86-R54-1697/16-00 corresponding to type approval No. E4-54R-0010135 Ext.02.

