

Information document No.: XHY-20180102

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

1. Manufacturer's name and address : SHANDONG XINGHONGYUAN TYRE CO., LTD.  
LinGong Road, MengYin Economic Development  
Zone, LinYi City, ShanDong Province, 276200  
P.R. China
2. Tyre type designation:  
2.1. Brand-name(s)/trademark(s) : HILO; FULLRUN; ANCHEE; ANNAITE; XINGHONGYUAN;  
AUTOGrip; PREMME; DAEWOO; FULLWAY  
2.2. Trade description(s)/Commercial name(s) : GENESYS XP1; FRUN-ONE; GRIP1000; AN 600; AC 808; GRIP2000; AN 606;  
VANTAGE XU1; FRUN-TWO; AC 818; GREEN PLUS;  
AN 668; P308 PLUS; ECOPRO 7; GREEN XP2; AN 518; AC 218; ARCTIC XS1;  
SNOWKING; FRUN-SNOW; AN 618; AC 868; SNOWCLAW; SNOWTRAK;  
SNOWGUARD; ARCTIC S6; ARCTIC S3; AN 638; AN 658; MATTERHORN;  
SPORT XVI; FRUN-FOUR; GRIP4000; CROSSMAX; AC 828; AN 618
3. If applicable, name and address of manufacturer's representative : Not applicable
4. Summarized description:  
4.1. Tyre size designation : 205/55R16  
4.2. Category of use : Normal/snow/special use/temporary use  
4.2.1. For special use tyre  
-Professional Off-Road : Yes/no  
-Tread depth : Not applicable  
-Void to fill ratio : Not applicable  
4.3. Structure : Diagonal/bias-belted/radial/run-flat tyre  
4.4. Speed category symbol : V  
4.5. Load-capacity index : 91
5. The overall physically measured dimensions : Annex 5/Calculated  
- Overall section width : 214  
- Outer diameter : 632  
6. Factor "X" : 0.70
7. Ply-rating number of diagonal(bias-ply) tyres : Not applicable
8. Rims on which the tyre can be mounted : 6.5J  
5.5J, 6J, 7J, 7.5J
9. Measuring rim and test rim : See attached test report
10. State whether the tyre is : Tubeless/ tube type
11. State whether the tyre is : Standard/reinforced/T-type temporary use spare tyre
12. Test pressure : See attached test report
13. The tire side wall and tread pattern's Drawing No. : XHY-20180102Z
14. Extension reasons : Additional tread pattern; Delete trade mark;
15. Date of the information document : 2018.1.18

MANUFACTURER'S STAMP



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

**COMMUNICATION**

Concerning <sup>(1)</sup>:

- ~~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- ~~approval withdrawn~~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-0281582**
**Extension number: 04**

1. Manufacturer's name and address : SHANDONG XINGHONGYUAN TYRE CO., LTD.  
LinGong Road, MengYin Economic Development Zone,  
LinYi City, ShanDong Province, 276200  
P.R. China
2. Tyre type designation<sup>(2)</sup>
  - 2.1. Brand-name(s) or trade mark(s) : HILO; FULLRUN; ANCHEE; ANNAITE;  
XINGHONGYUAN; AUTOGRIP; PREMME;  
DAEWOO; FULLWAY
  - 2.2. Trade description(s)/ Commercial name(s) : GENESYS XP1; FRUN-ONE; GRIP1000;  
GRIP2000; VANTAGE XU1; FRUN-TWO;  
GREEN XP2; ARCTIC XS1; AN 600; AN 606;  
GREEN PLUS; AN 668; P308 PLUS; ECO PRO 7;  
AN 518; SNOWKING; FRUN-SNOW; AN 618;  
MATTERHORN; SNOWCLAW; SNOWTRAK;  
SNOWGUARD; ARCTIC S6; ARCTIC S3; AN 638; AN 658;  
AC 808; AC 818; AC 218; AC 868; SPORT XV1;  
FRUN-FOUR; GRIP4000; CROSSMAX; AC 828;  
AN 616
3. If applicable, name and address of the manufacturer's representative : not applicable

4. Summarised description
  - 4.1. Tyre size designation : 205/55R16
  - 4.2. Category of use : ~~normal/snow/special use/temporary use~~<sup>(1)</sup>
  - 4.3. Structure : ~~diagonal/bias belted/radial/run flat tyre~~<sup>(1)</sup>
  - 4.4. Speed category symbol : V
  - 4.5. Load-capacity index : 91
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 : January 29, 2018
7. Number of report issued by that service : 86-R30-0203/18-00
8. Reason(s) of extension (if applicable) : Addition of trade descriptions:  
Addition of "Alpine symbol" for specific trade  
description in the drawing;  
Deletion of trade mark "XINGYUAN"
9. Any remarks : ---
10. Place : Zoetermeer
11. Date : 13-FEB-2018
12. Signature :
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.

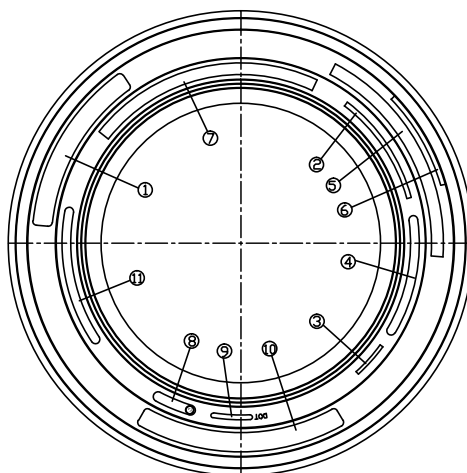
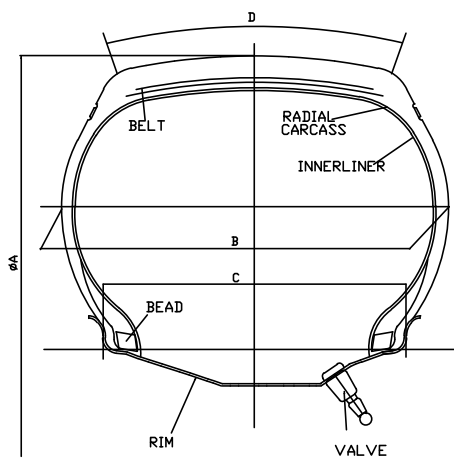
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(1) Strike out what does not apply.

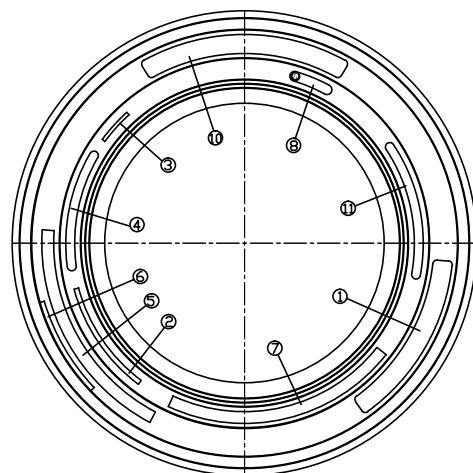
(2) A list of Brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication

Autodesk

Autodesk



LOWER MOLD



UPPER MOLD

TREAD PATTERNS  
REFER TO ATTACHMENT NO.2A

|           |                                                                                                                                  |            |              |      |        |        |        |        |            |
|-----------|----------------------------------------------------------------------------------------------------------------------------------|------------|--------------|------|--------|--------|--------|--------|------------|
| 1         | BRAND STAMING [ REFER TO ATTACHMENT NO.2A ]                                                                                      |            |              |      |        |        |        |        |            |
| 2         | TUBELESS STEEL BELTED RADIAL                                                                                                     |            |              |      |        |        |        |        |            |
| 3         | MADE IN CHINA                                                                                                                    |            |              |      |        |        |        |        |            |
| 4         | MAX. LOAD 615 kg (1356 LBS) AT 300 kPa (44 P.S.I.) COLD<br>TREAD PLIES: 1 POLYESTER + 2 STEEL+ 1 NYLON SIDEWALL PLY: 1 POLYESTER |            |              |      |        |        |        |        |            |
| 5         | 205/55R16                                                                                                                        |            |              |      |        |        |        |        |            |
| 6         | TREADWEAR *** TRACTION * TEMPERATURE *                                                                                           |            |              |      |        |        |        |        |            |
| 7         | SAFETY WARNING *****                                                                                                             |            |              |      |        |        |        |        |            |
| 8         | E4 *****                                                                                                                         |            |              |      |        |        |        |        |            |
| 9         | DOT *** (DATE CODE)                                                                                                              |            |              |      |        |        |        |        |            |
| 10        | TREAD PATTERN [ REFER TO ATTACHMENT NO.2A ]                                                                                      |            |              |      |        |        |        |        |            |
| 11        | 205/55R16 91V M+S                                                                                                                |            |              |      |        |        |        |        |            |
| 205/55R16 |                                                                                                                                  | 91         | V            | TL   | 632    | 214    | 165    | 164    | 7.9        |
| TIRE SIZE |                                                                                                                                  | LOAD INDEX | SPEED SYMBOL | TYPE | A (mm) | B (mm) | C (mm) | D (mm) | SKID DEPTH |

|          |    |            |    |             |    |                                                   |                              |
|----------|----|------------|----|-------------|----|---------------------------------------------------|------------------------------|
| DRAWN BY | 永兴 | CHECKED BY | 李国 | APPROVED BY | 陈永 | 山东兴鸿源轮胎有限公司<br>SHANDONG XINGHONGYUAN TYRE CO.,LTD | Drawing NO.<br>XHY-20180102Z |
|----------|----|------------|----|-------------|----|---------------------------------------------------|------------------------------|

Autodesk

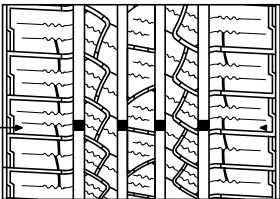
Autodesk

ATTACHMENT NO.2A

TIRE SIZE:205/55R16

TREAD PATTERNS

① SPORT XV1; AC 828;  
CROSSMAX; AN 616;  
GRIP4000;  
FRUN-FOUR



6-TWI EQUALLY SPACED  
BOTH HALVES



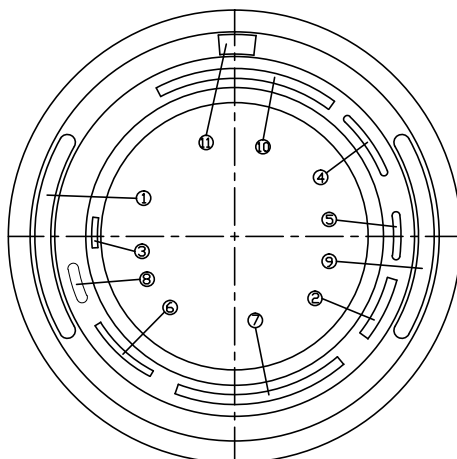
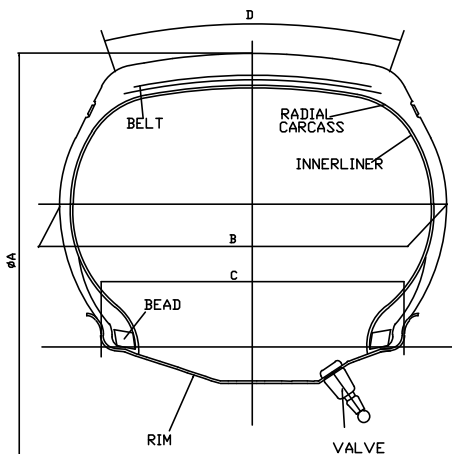
SEC. K-K

E 4 \*\*\*\*\*

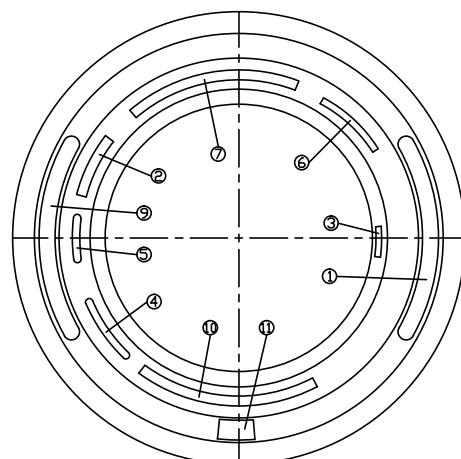
SIDEWALL BRAND STAMPING

- |   |              |
|---|--------------|
| ① | HILO         |
| ② | FULLRUN      |
| ③ | ANCHEE       |
| ④ | XINGHONGYUAN |
| ⑤ | ANNAITE      |
| ⑥ | AUTOGRIP     |
| ⑦ | PREMME       |

Autodesk



LOWER MOLD



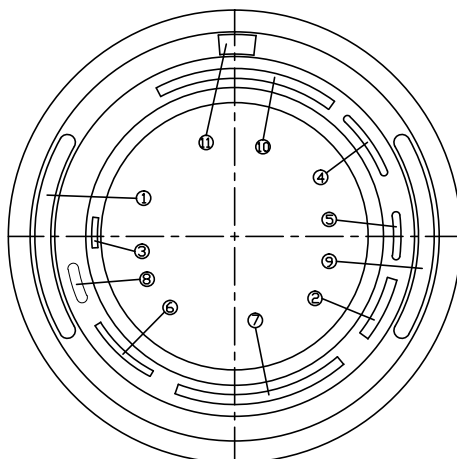
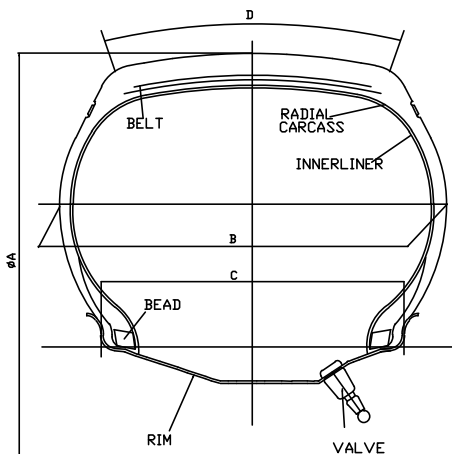
UPPER MOLD

TREAD PATTERNS  
REFER TO ATTACHMENT NO.2B

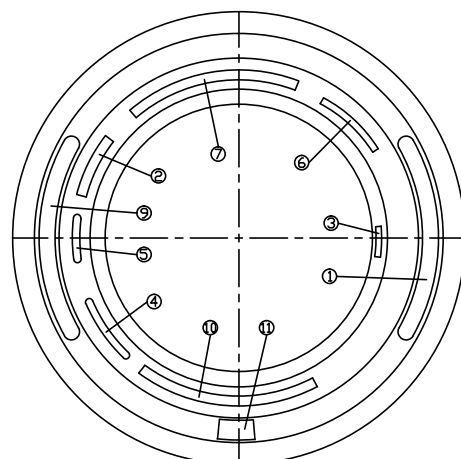
|           |                                                                                |            |              |      |        |        |        |        |            |
|-----------|--------------------------------------------------------------------------------|------------|--------------|------|--------|--------|--------|--------|------------|
| 1         | BRAND STAMING [ REFER TO ATTACHMENT NO.2B ]                                    |            |              |      |        |        |        |        |            |
| 2         | RADIAL TUBELESS                                                                |            |              |      |        |        |        |        |            |
| 3         | MADE IN CHINA                                                                  |            |              |      |        |        |        |        |            |
| 4         | SIDEWALL : 1 PLY POLYESTER<br>TREAD : 4 PLIES( 1 POLYESTER + 2 STEEL +1 NYLON) |            |              |      |        |        |        |        |            |
| 5         | MAX. LOAD 615 kg (1356 LBS) 300 kPa (44 PSI) MAX. PRESS                        |            |              |      |        |        |        |        |            |
| 6         | DOT *** (DATE CODE)                                                            |            |              |      |        |        |        |        |            |
| 7         | SAFETY WARNING                                                                 |            |              |      |        |        |        |        |            |
| 8         | (E4)                                                                           |            |              |      |        |        |        |        |            |
| 9         | TREAD PATTERN [ REFER TO ATTACHMENT NO.2B ]                                    |            |              |      |        |        |        |        |            |
| 10        | 205/55R16 91V M+S                                                              |            |              |      |        |        |        |        |            |
| 11        | [ only for tread pattern No. 6 and No.7 in the attachment ]                    |            |              |      |        |        |        |        |            |
| 205/55R16 |                                                                                | 91         | V            | TL   | 632    | 214    | 165    | 164    | 7.9        |
| TIRE SIZE |                                                                                | LOAD INDEX | SPEED SYMBOL | TYPE | A (mm) | B (mm) | C (mm) | D (mm) | SKID DEPTH |

|          |     |            |     |             |     |          |                                                   |                              |
|----------|-----|------------|-----|-------------|-----|----------|---------------------------------------------------|------------------------------|
| DRAWN BY | 李永强 | CHECKED BY | 李永强 | APPROVED BY | 李永强 | Autodesk | 山东兴鸿源轮胎有限公司<br>SHANDONG XINGHONGYUAN TYRE CO.,LTD | Drawing NO.<br>XHY-20180102Z |
|----------|-----|------------|-----|-------------|-----|----------|---------------------------------------------------|------------------------------|

Autodesk



LOWER MOLD



UPPER MOLD

TREAD PATTERNS  
REFER TO ATTACHMENT NO.2B

|           |                                                                                  |            |              |      |        |        |        |        |            |
|-----------|----------------------------------------------------------------------------------|------------|--------------|------|--------|--------|--------|--------|------------|
| 1         | BRAND STAMING [ REFER TO ATTACHMENT NO.2B ]                                      |            |              |      |        |        |        |        |            |
| 2         | RADIAL TUBELESS                                                                  |            |              |      |        |        |        |        |            |
| 3         | MADE IN CHINA                                                                    |            |              |      |        |        |        |        |            |
| 4         | SIDEWALL : 2 PLIES POLYESTER<br>TREAD : 5 PLIES( 2 POLYESTER + 2 STEEL +1 NYLON) |            |              |      |        |        |        |        |            |
| 5         | MAX. LOAD 615 kg (1356 LBS) 300 kPa (44 PSI) MAX. PRESS                          |            |              |      |        |        |        |        |            |
| 6         | DOT *** (DATE CODE)                                                              |            |              |      |        |        |        |        |            |
| 7         | SAFETY WARNING                                                                   |            |              |      |        |        |        |        |            |
| 8         | (E4)                                                                             |            |              |      |        |        |        |        |            |
| 9         | TREAD PATTERN [ REFER TO ATTACHMENT NO.2B ]                                      |            |              |      |        |        |        |        |            |
| 10        | 205/55R16 91V M+S                                                                |            |              |      |        |        |        |        |            |
| 11        | [ only for tread pattern No. 6 and No.7 in the attachment ]                      |            |              |      |        |        |        |        |            |
| 205/55R16 |                                                                                  | 91         | V            | TL   | 632    | 214    | 165    | 164    | 7.9        |
| TIRE SIZE |                                                                                  | LOAD INDEX | SPEED SYMBOL | TYPE | A (mm) | B (mm) | C (mm) | D (mm) | SKID DEPTH |

|          |    |            |    |             |    |          |                                                   |                              |
|----------|----|------------|----|-------------|----|----------|---------------------------------------------------|------------------------------|
| DRAWN BY | 李永 | CHECKED BY | 李永 | APPROVED BY | 李永 | Autodesk | 山东兴鸿源轮胎有限公司<br>SHANDONG XINGHONGYUAN TYRE CO.,LTD | Drawing NO.<br>XHY-20180102Z |
|----------|----|------------|----|-------------|----|----------|---------------------------------------------------|------------------------------|

ATTACHMENT NO.2B

TREAD PATTERNS

TIRE SIZE:205/55R16

E 4 \*\*\*\*\*

SIDEWALL BRAND STAMPING

- |   |              |
|---|--------------|
| ① | HILO         |
| ② | FULLRUN      |
| ③ | ANCHEE       |
| ④ | XINGHONGYUAN |
| ⑤ | ANNAITE      |
| ⑥ | AUTOGRIP     |
| ⑦ | PREMME       |
| ⑧ | DAEWOO       |
| ⑨ | FULLWAY      |

|                                                      |                                                      |
|------------------------------------------------------|------------------------------------------------------|
| ① GENESYS XP1; FRUN-ONE;<br>GRIP1000; AN 600; AC 808 | ② GREEN XP2; AN 518; AC 218                          |
| ③ VANTAGE XU1; FRUN-TWO;<br>GRIP2000; AN 606; AC 818 | ④ ARCTIC XS1; FRUN-SNOW;<br>SNOWKING; AN 618; AC 868 |
| ⑤ GREEN PLUS; P308 PLUS;<br>ECOPRO 7; AN 668;        | ⑥ SNOWTRAK; ARCTIC S6;<br>AN 658; SNOWGUARD          |
| ⑦ SNOWCLAW; ARCTIC S3;<br>MATTERHORN; AN 638         |                                                      |

6-TWI EQUALLY SPACED  
BOTH HALVES

SEC. K-K

Type : 205/55R16  
Manufacturer : SHANDONG XINGHONGYUAN TYRE CO., LTD.

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## 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. 18

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Approval Status

UNECE approval : E4-30R-0281582 Ext.04

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#### 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** : 205/55R16  
**Manufacturer** : SHANDONG XINGHONGYUAN TYRE CO., LTD.

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## 0. General Information

- 0.1. Make (trade name of the manufacturer) : SHANDONG XINGHONGYUAN TYRE CO., LTD.
- 0.2. Type : 205/55R16
- 0.3. Category of vehicle : Not applicable
- 0.4. Name and address of the manufacturer : SHANDONG XINGHONGYUAN TYRE CO., LTD.  
LinGong Road, MengYin Economic Development  
Zone, LinYi City, ShanDong Province, 276200  
P.R. China
- 0.5. No. of the information folder : Not applicable
  - Date of issue : July 18, 2015
  - Date of last change : January 18, 2018

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

- 1.1 Description
  - 1.1.1. ~~Vehicle~~ / object
    - Commercial description : Not applicable
    - Type(s) / ~~variant(s)~~ / ~~version(s)~~ : 205/55R16
    - Identification number : See Appendix 1
  - 1.1.2. Condition of ~~vehicle(s)~~ / Object(s) : New / ~~used~~ / ~~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 : 205/55R16  
 Manufacturer : SHANDONG XINGHONGYUAN TYRE CO., LTD.

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## 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
- 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 XINGHONGYUAN TYRE CO., LTD.  
 LinGong Road, MengYin Economic Development Zone, LinYi City, ShanDong Province, 276200  
 P.R. China
- Test date : July 21, 2015  
 August 18, 2015
- 2.4. Remarks : Not applicable

Type : 205/55R16  
Manufacturer : SHANDONG XINGHONGYUAN TYRE CO., LTD.

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**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, / January 29, 2018  
YZZ



Zeze Yu  
Expert Technical Service

Type : 205/55R16  
Manufacturer : SHANDONG XINGHONGYUAN TYRE CO., LTD.

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List of modifications

Appendix 0

|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Correction of   | : ---                                                                                     |
| Modification of | : ---                                                                                     |
| Addition of     | : Trade descriptions;<br>"Alpine symbol" for specific trade description in the<br>drawing |
| Deletion of     | : Trade mark "XINGYUAN"                                                                   |

**Type** : 205/55R16  
**Manufacturer** : SHANDONG XINGHONGYUAN TYRE CO., LTD.

## Test minutes

## Appendix 1

**1. Test data****1.1. Test object(s) markings : Construction group 1**

- 1.1.1 Trade name or mark : FULLRUN
- 1.1.2 Tyre type designation : FRUN-ONE
- 1.1.3 Plies of Tread / Sidewall : 1 POLYESTER + 2 STEEL + 1 NYLON / 1 POLYESTER
- 1.1.4 Tyre size designation : 205/55R16
- 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 : V
- 1.1.8 Load-Capacity Indices(L.I.) : 91
- 1.1.9 Word in case of without inner tube : Word "TUBELESS"
- 1.1.10 Word in case of reinforced tyre : Not applicable(standard tyre)
- 1.1.11 Date of manufacture : 2615

**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 : 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.                                         | 209.7 mm | 4. | 209.9 mm | 1.                                                 | 1.88 mm | 4. | 1.91 mm |
| 2.                                         | 210.0 mm | 5. | 210.0 mm | 2.                                                 | 1.86 mm | 5. | 1.92 mm |
| 3.                                         | 209.9 mm | 6. | 210.3 mm | 3.                                                 | 1.85 mm | 6. | 1.92 mm |
| Max.:                                      | 210.3 mm |    |          |                                                    |         |    |         |

Type : 205/55R16  
Manufacturer : SHANDONG XINGHONGYUAN TYRE CO., LTD.

- 1.2.7 Circumference : 1983 mm  
1.2.8 Outer diameter : 631.2 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-PC(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 : 3.0 bar  
1.3.5 Conditioning of tyre : More than 3 hours  
1.3.6 Test-room temperature : 26.0 - 32.4 °C  
1.3.7 Inflation pressure readjusted after conditioning : 3.0 bar  
1.3.8 Circumference after conditioning, before testing : 1989 mm  
1.3.9 Outer diameter after conditioning, before testing : 633.1 mm  
1.3.10 Test load (80% x 91%) : 449 kg

| Step | Step-Duration [min] | Total Duration [min] | Actual speed (km/h) |
|------|---------------------|----------------------|---------------------|
| 1.   | 10                  | 10                   | 0 – 200             |
| 2.   | 10                  | 20                   | 200                 |
| 3.   | 10                  | 30                   | 210                 |
| 4.   | 10                  | 40                   | 220                 |
| 5.   | 20                  | 60                   | 230                 |

- 1.3.11 Conditioning after testing : More than 6 hours  
1.3.12 Circumference after conditioning, after testing : 2009 mm  
1.3.13 Outer diameter after conditioning, after testing : 639.5 mm  
1.3.14 Difference outer diameter before and after testing (max. 3.5 %) : 6.4 mm  
: 1.01 %  
1.3.15 Inspection after test : The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.

**Type** : 205/55R16  
**Manufacturer** : SHANDONG XINGHONGYUAN TYRE CO., LTD.

- 2.1. Test object(s) markings : Construction group 2**
- 2.1.1 Trade name or mark : HILO
- 2.1.2 Tyre type designation : GENESYS XP1
- 2.1.3 Plies of Tread / Sidewall : 2 POLYESTER + 2 STEEL + 1 NYLON / 2 POLYESTER
- 2.1.4 Tyre size designation : 205/55R16
- 2.1.5 Category of use : Snow  
Indication of category of use : Word "M+S"
- 2.1.6 Structure : Radial  
Indication / symbol of structure : Word "RADIAL", letter "R" in front of rim diameter marking
- 2.1.7 Speed category : V
- 2.1.8 Load-Capacity Indices(L.I.) : 91
- 2.1.9 Word in case of without inner tube : Word "TUBELESS"
- 2.1.10 Word in case of reinforced tyre : Not applicable(standard tyre)
- 2.1.11 Date of manufacture : 3315
- 2.2. Dimension measurement according to Annex 6**
- 2.2.1 Measuring rim : 6J x 16
- 2.2.2 Inflation pressure after mounting on measuring rim : 3.0 bar
- 2.2.3 Inflation pressure adjusted before conditioning : 1.8 bar
- 2.2.4 Conditioning of tyre : More than 24 hours
- 2.2.5 Inflation pressure readjusted after conditioning : 1.8 bar
- 2.2.6 Overall width at six equally spaced points : Height of six equally spaced tread wear indicators
- |                |          |    |          |    |         |    |         |
|----------------|----------|----|----------|----|---------|----|---------|
| 1.             | 205.8 mm | 4. | 205.8 mm | 1. | 1.97 mm | 4. | 2.00 mm |
| 2.             | 205.1 mm | 5. | 205.9 mm | 2. | 1.86 mm | 5. | 1.89 mm |
| 3.             | 205.9 mm | 6. | 205.7 mm | 3. | 1.94 mm | 6. | 1.96 mm |
| Max.: 205.9 mm |          |    |          |    |         |    |         |
- 2.2.7 Circumference : 1985 mm
- 2.2.8 Outer diameter : 631.8 mm
- 2.2.9 Tread depth / void to fill ratio in case of special use tyre : Not applicable

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### 2.3. Load/speed performance test according to Annex 7

- 2.3.1 Test machine : TJR-2-PC(Y)  
2.3.2 Diameter of test drum : 1.707 m  
2.3.3 Test rim : 6J x 16  
2.3.4 Inflation pressure adjusted before conditioning : 3.0 bar  
2.3.5 Conditioning of tyre : More than 3 hours  
2.3.6 Test-room temperature : 31.8 - 39.3 °C  
2.3.7 Inflation pressure readjusted after conditioning : 3.0 bar  
2.3.8 Circumference after conditioning, before testing : 1988 mm  
2.3.9 Outer diameter after conditioning, before testing : 632.8 mm  
2.3.10 Test load (80% x 91%) : 449 kg

| Step | Step-Duration [min] | Total Duration [min] | Actual speed (km/h) |
|------|---------------------|----------------------|---------------------|
| 1.   | 10                  | 10                   | 0 – 200             |
| 2.   | 10                  | 20                   | 200                 |
| 3.   | 10                  | 30                   | 210                 |
| 4.   | 10                  | 40                   | 220                 |
| 5.   | 20                  | 60                   | 230                 |

- 2.3.11 Conditioning after testing : More than 6 hours  
2.3.12 Circumference after conditioning, after testing : 2005 mm  
2.3.13 Outer diameter after conditioning, after testing : 638.2 mm  
2.3.14 Difference outer diameter before and after testing (max. 3.5 %) : 5.4 mm  
: 0.85 %  
2.3.15 Inspection after test : The tyre does not exhibit tread separation, ply separation, cord separation, chunking or broken cords.
3. Remarks : The test data mentioned of Appendix 1 refer to report No.: 86-R30-4060/15-00 corresponding to type approval No.: E4-30R-0281582 Ext.02.