

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- ~~approval withdrawn~~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-0281585**Extension number: 04**

1. Manufacturer's name and address : Shandong XingHongYuan Tyre Co., Ltd.
LinGong Road, MengYin Economic Development Zone,
276200 LinYi City, ShanDong Province,
China(PRC)
2. Tyre type designation ⁽²⁾
 - 2.1. Brand-name(s)/trademark(s) : HILO; XINGHONGYUAN; ANNAITE; ANCHEE; FULLRUN; AUTOGRIP
 - 2.2. Trade description(s)/Commercial name(s) : GENESYS XP1; AN 600; AC 808; FRUN-ONE; GRIP1000; GREEN PLUS; AN 668;
P308 PLUS; ARCTIC S6; AN 658; SNOWTRAK; SNOWGUARD; ARCTIC S3;
AN 638; SNOWCLAW; AC708
3. If applicable, name and address of the manufacturer's representative : Not applicable
4. Summarised description
 - 4.1. Tyre size designation : 215/60R16
 - 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

Approval number: E4-30R-0281585

Extension number: 04

- 4.5. Load-capacity index : 99
- 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 : TÜV Rheinland Kraftfahrt GmbH
Am Grauen Stein
D-51101 Köln
Germany
6. Date of report issued by that service : 2020-04-07
7. Number of report issued by that service : 86-R30-1383/20-00
8. Reason(s) of extension (if applicable) : Update of tyre type designation(s)
Upgrade of regulation supplement number
Change of technical service
9. Any remarks : Not applicable
10. Place : Zoetermeer
11. Date : 22 April 2020
12. Signature :

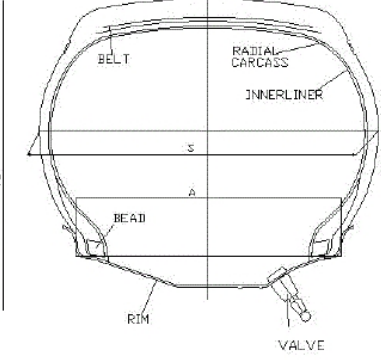

P. Lingsma

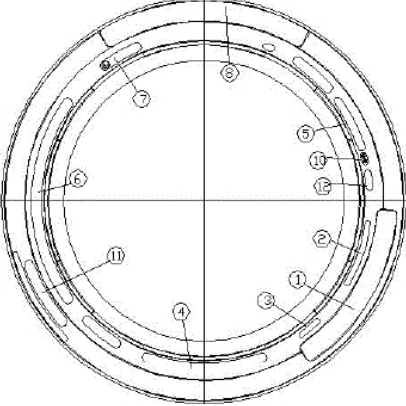
13. The list of documents in the approval file which are deposited at the administrative service having delivered the approval and which can be obtained upon request.
- Application form relating to ECE approval for a pneumatic tyre pursuant to Regulation number 30.
 - The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
 - The test report as mentioned in item 7.

⁽¹⁾ Strike out what does not apply

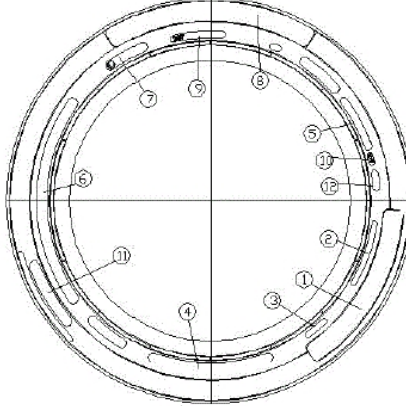
⁽²⁾ A list of Brand name(s)/trademark(s) or Trade description(s)/Commercial name(s) may be annexed to this communication

APPENDIX 1. CONSTRUCTION IMAGE ⁽¹⁾

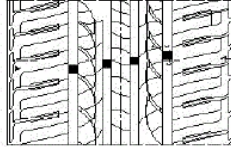




UPPER MOLD



LOWER MOLD



6-TPI EQUALLY SPACED
SEC. K-K BOTH HALVES

BRAND	NAME	TREAD PATTERN
①	HILO	GENESYS XP1
②	ANNAITE	AN 600
③	ANCHEE	AC 808
④	FULLRUN	FRUN-ONE
⑤	AUTOGrip	GRIP1000

1	BRAND NAME	12	EXTRA LOAD
2	RADIAL TUBELESS		
3	MADE IN CHINA		
4	MAX. LOAD 775 kg (1709 LBS) AT 340 kPa (50 P.S.I.) COLD (TREAD PLYS) 2 POLYESTER + 2 STEEL +3 NYLON (SIDEWALL PLYS) 2 POLYESTER		
5	215/60R16 99H		
6	SAFETY WARNING *****		
7	(E4) *****		
8	TREAD PATTERN		
9	DOT *** ***** (DATE CODE)		
10	M+S		
11	215/60R16		
	215/60R16	99	H TL 664 221 165J 7.9
	TIRE SIZE	LOAD INDEX	SPEED SYMBOL TYPE D (mm) S (mm) A (mm) SKID DEPTH (mm)

DRAWN BY **张学迎**

CHECKED BY **李同**

APPROVED BY **guc**

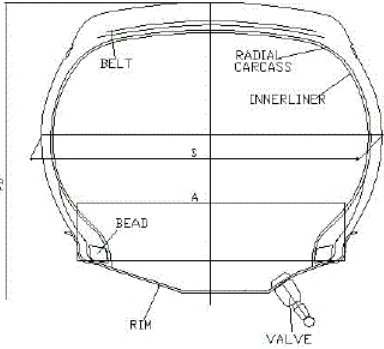
山东兴鸿源轮胎有限公司
 Shandong Xing Hong Yuan Tyre Co.,Ltd.

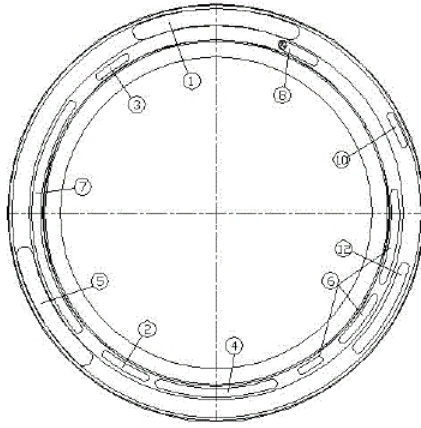
Drawing NO.
 XHY-20200331-26A

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

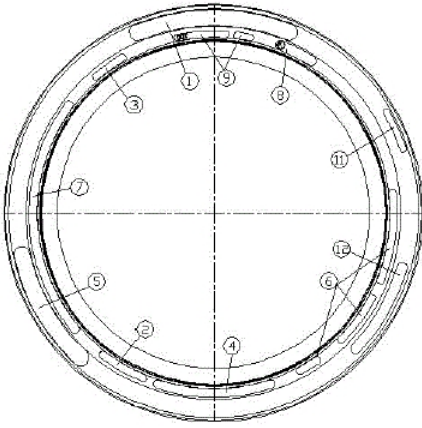


APPENDIX 2. CONSTRUCTION IMAGE ⁽¹⁾

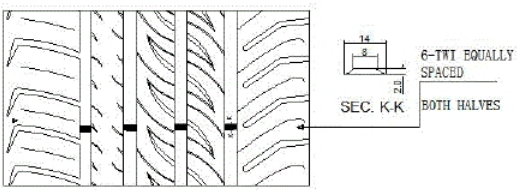




UPPER MOLD



LOWER MOLD



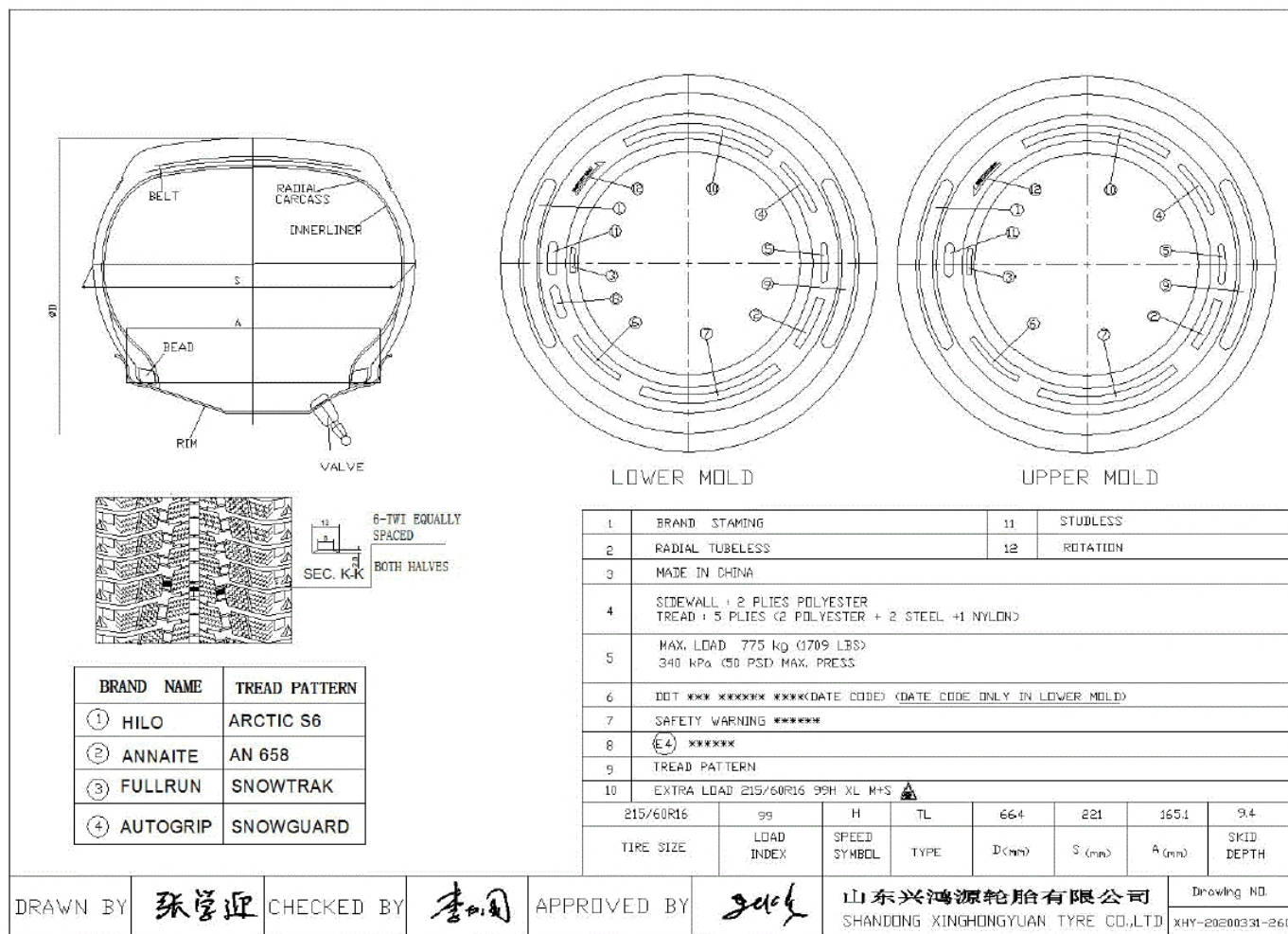
1	BRAND NAME	12	215/60R16
2	RADIAL TUBELESS		
3	MADE IN CHINA		
4	MAX. LOAD 775 kg (1709 LBS) AT 340 kPa (50 P.S.I.) COLD TREAD PLIES: 2 POLYESTER + 2 STEEL +1 NYLON SIDEWALL PLIES: 2 POLYESTER		
5	TREAD PATTERN		
6	215/60R16 99H EXTRA LOAD M+S		
7	SAFETY WARNING *****		
8	E4 *****		
9	DOT *** ***** ***(DATE CODE)		
10	INSIDE		
11	OUTSIDE		
215/60R16		99	H
TIRE SIZE		LOAD INDEX	SPEED SYMBOL
		TL	TYPE
		664	221
		165J	7.9
		SKID DEPTH(mm)	

BRAND NAME	TREAD PATTERN
① HILO	GREEN PLUS
② XINGHONGYUAN	GREEN PLUS
③ ANNAITE	AN 688
④ AUTOGRIP	P308 PLUS

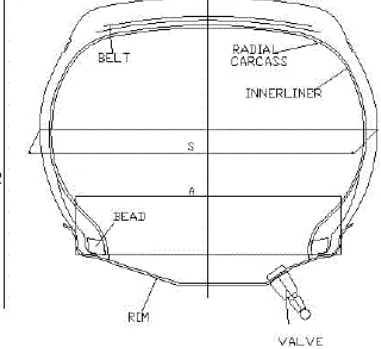
DRAWN BY	张学迎	CHECKED BY	李国	APPROVED BY	guch	山东兴鸿源轮胎有限公司 Shandong XingHongYuan Tyre Co., Ltd.	Drawing NO. XHY-20200331-26B
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(1) The tyre marking statements are considered leading in case of deviating drawing information.

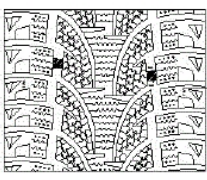


APPENDIX 3. CONSTRUCTION IMAGE ⁽¹⁾⁽¹⁾ The tyre marking statements are considered leading in case of deviating drawing information.

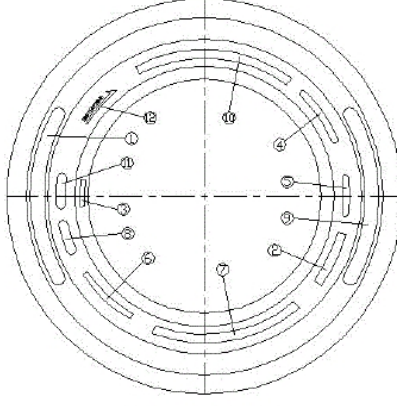
APPENDIX 4. CONSTRUCTION IMAGE ⁽¹⁾



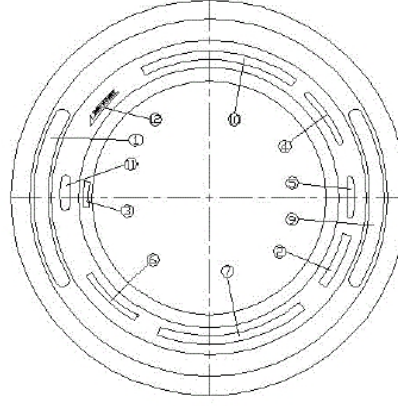
6-TPI EQUALLY SPACED
BOTH HALVES
SEC. K-K



BRAND NAME	TREAD PATTERN
① HILO	ARCTIC S3
② ANNAITE	AN 638
③ FULLRUN	SNOWCLAW



LOWER MOLD



UPPER MOLD

1	BRAND STAMING	11	STUDLESS
2	RADIAL TUBELESS	12	ROTATION
3	MADE IN CHINA		
4	SIDEWALL : 2 PLIES POLYESTER TREAD : 5 PLIES (2 POLYESTER + 2 STEEL + 1 NYLON)		
5	MAX. LOAD : 775 kg (1709 LBS) 340 kPa (50 PSI) MAX. PRESS		
6	DOT *** ***** (DATE CODE) (DATE CODE ONLY IN LOWER MOLD)		
7	SAFETY WARNING *****		
8	E+ *****		
9	TREAD PATTERN		
10	EXTRA LOAD 215/60R16 99H XL M+S		
215/60R16		99	H TL 664 221 165.1 9.4
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE D (mm) S (mm) A (mm) SKID DEPTH

DRAWN BY **张学迎**

CHECKED BY **李同**

APPROVED BY **gok**

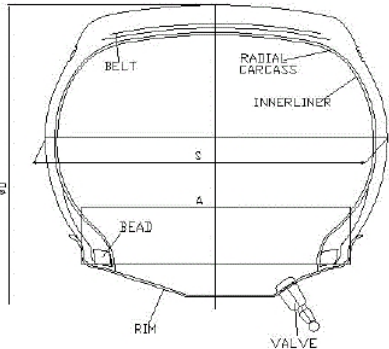
山东兴鸿源轮胎有限公司
 SHANDONG XINGHONGYUAN TYRE CO.,LTD

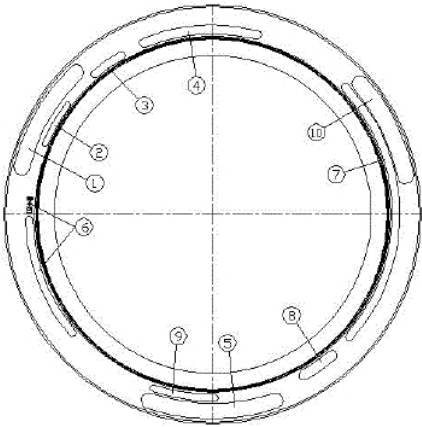
Drawing NO.
 XHY-20200331-261

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

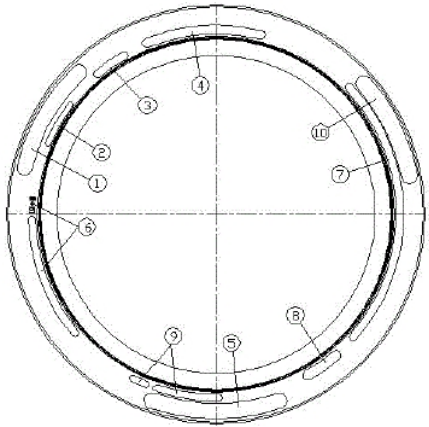


APPENDIX 5. CONSTRUCTION IMAGE ⁽¹⁾

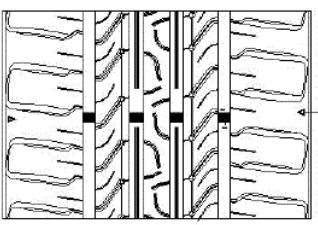




UPPER MOLD



LOWER MOLD



SEC. K-K
BOTH HALVES

1	BRAND NAME
2	RADIAL TUBELESS
3	MADE IN CHINA
4	MAX. LOAD 775 kg (1709 LBS) AT 340 kPa (50 P.S.I.) COLD TREAD PLIES: 2 POLYESTER + 2 STEEL +1 NYLON SIDEWALL PLIES: 2 POLYESTER
5	TREAD PATTERN
6	215/60R16 99H EXTRA LOAD M+S
7	SAFETY WARNING *****
8	(E4) *****
9	DOT *** ***** ***(DATE CODE) (DATE CODE ONLY IN LOWER MOLD)
10	215/60R16

BRAND NAME	TREAD PATTERN
① ANCHEE	AC708

215/60R16	99	H	TL	664	221	165.1	8.0
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D (mm)	S (mm)	A (mm)	SKID DEPTH (mm)

DRAWN BY 张学迎

CHECKED BY 李国

APPROVED BY 2024

山东兴鸿源轮胎有限公司

Shandong XingHongYuan Tyre Co., Ltd.

Drawing NO. XHY-20200331-26E

(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>2020-04-07</td><td>-</td><td>-</td><td>86-R30-1383/20-00</td></tr></table>	Date of report	Date of test	Location of test	Reference	2020-04-07	-	-	86-R30-1383/20-00
Date of report	Date of test	Location of test	Reference							
2020-04-07	-	-	86-R30-1383/20-00							
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	:	TÜV Rheinland Kraftfahrt GmbH Am Grauen Stein D-51101 Köln Germany								
Name and address of branch office of designated technical service	:	TÜV Rheinland / CCIC (Qingdao) Co., Ltd. 6F, No.2 Bldg., No. 175, Zhuzhou Rd., Qingdao 266101 P.R. China								
Tyre size designation	:	215/60R16								
Brand-name(s) / trademark(s)	:	HILO, XINGHONGYUAN, ANNAITE, ANCHEE, FULLRUN, AUTOGRIP								
Trade description(s) / commercial name(s)	:	GENESYS XP1, AN 600, AC 808, FRUN-ONE, GRIP1000, GREEN PLUS, AN 668, P308 PLUS, ARCTIC S6, AN 658, SNOWTRAK, SNOWGUARD, ARCTIC S3, AN 638, SNOWCLAW, AC708								
Category of use	:	Snow								
Structure	:	Radial								
EMT (Extended Mobility Tyre)	:	N								
Speed category symbol	:	H								
Load capacity index	:	99								
Protective rib	:	N								
Tubeless	:	Y								
Standard / reinforced / T-type temporary use	:	Reinforced								
Ply-rating number of diagonal (bias-ply) tyres	:	N.A.								
Factor 'x'	:	0.70								
Maximum speed for speed symbol Y for load rating determination	:	N.A.								
Tread-wear indicators										
Height of lowest tread-wear indicator	:	1.90 mm								
Height of tallest tread-wear indicator	:	1.94 mm								
Number of transverse rows of wear indicators	:	6								
Special use tread pattern features	:	N.A.								



1 Test data

1.1 MEASURING DATA (ACCORDING TO ANNEX 6)

1.1.1	Measuring rim width	:	6.50 inch
1.1.2	Conditioning		
	Mounting pressure	:	3.4 bar
	Adjusted pressure	:	2.2 bar
	Conditioning time	:	24 hrs
	Test room temperature	:	24 °C
	Readjusted pressure	:	2.2 bar
1.1.3	Measurements		
	Overall width measured	:	222.5 mm
	Calculated outer diameter	:	660.8 mm
1.1.4	Plies of tyre subject for type approval	:	N.A.

1.2 LOAD SPEED PERFORMANCE TEST (ACCORDING TO ANNEX 7)

1.2.1	Reference is made to a worst case tyre out of the tyre range	:	N
1.2.2	Test setup		
	Test drum diameter	:	1.70 m
	Test rim width	:	6.50 inch
	Test axle load	:	620.0 kg
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	:	28.0 °C
	Readjusted pressure	:	3.2 bar
1.2.4	Outer diameter before test	:	663.4 mm
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

1.2.6	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	:	667.8 mm
	Change in outer diameter after test	:	0.66 %



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	: 221 mm
D	: 664 mm
A	: 165.0 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) : Shandong XingHongYuan Tyre Co., Ltd.
LinGong Road, MengYin Economic Development Zone,
276200 LinYi City, ShanDong Province,
China(PRC)
- Name and address of branch office of designated technical service (manufacturers duly accredited representative) : TÜV Rheinland / CCIC (Qingdao) Co., Ltd.
6F, No.2 Bldg., No. 175, Zhuzhou Rd.,
Qingdao 266101
P.R. China
- 4.1.1 Tyre size designation : 215/60R16
- 4.1.2.1 Brand-name(s) / trademark(s) : HILO, XINGHONGYUAN, ANNAITE, ANCHEE, FULLRUN, AUTOGRIP
- 4.1.2.2 Trade description(s) / commercial name(s) : GENESYS XP1, AN 600, AC 808, FRUN-ONE, GRIP1000, GREEN PLUS, AN 668, P308 PLUS, ARCTIC S6, AN 658, SNOWTRAK, SNOWGUARD, ARCTIC S3, AN 638, SNOWCLAW, AC708
- 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 : 99
- 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
- Overall section width : 222.5 mm
- Outer diameter : 660.8 mm
- 4.1.12 The rims on which the tyre can be mounted : 6.50 inch
- 4.1.13 The measuring rim and test rim : 6.50 inch
- Test rim : 6.50 inch
- 4.1.14 The test pressure where the manufacture requests the application of Annex 7 paragraph 1.3 to this Regulation : N.A.
- 4.1.15 The factor 'x' : 0.70
- 4.1.16 For tyres suitable for speeds in excess of 300 km/h, the maximum speed permitted by the tyre manufacturer and the load carrying capacity allowed for that maximum speed : N.A.
- 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. : N



Reason(s) of extension : Update of tyre type designation(s);
Upgrade of regulation supplement number;
Change of technical service;

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.
- This application has been submitted by the duly accredited representative of the manufacturer per art 4.1 of the regulation. The underlying statement to submit on behalf of the manufacturer can be presented upon request.
- 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 and test equipment have been used in compliance with the applicable test requirements.

Company : TÜV Rheinland / CCIC (Qingdao) Co., Ltd.
Name of person responsible for the submitted application data : Linda Chen
Function of above mentioned authorised person : Project Manager
E-mail address of department or above mentioned authorised person : Linda.Chen@tuv.com
Place of submission : Qingdao
Submitted for approval on (date) : 15/04/2020 13:52:07
Reference id of the application given by the applicant : 2560950065

