



TRUCK & BUS TYRE CATALOG

Laufenn

A Brand by Hankook Tire



Laufenn
A Brand by Hankook Tire
OFFICIAL PARTNER





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About Hankook Tire

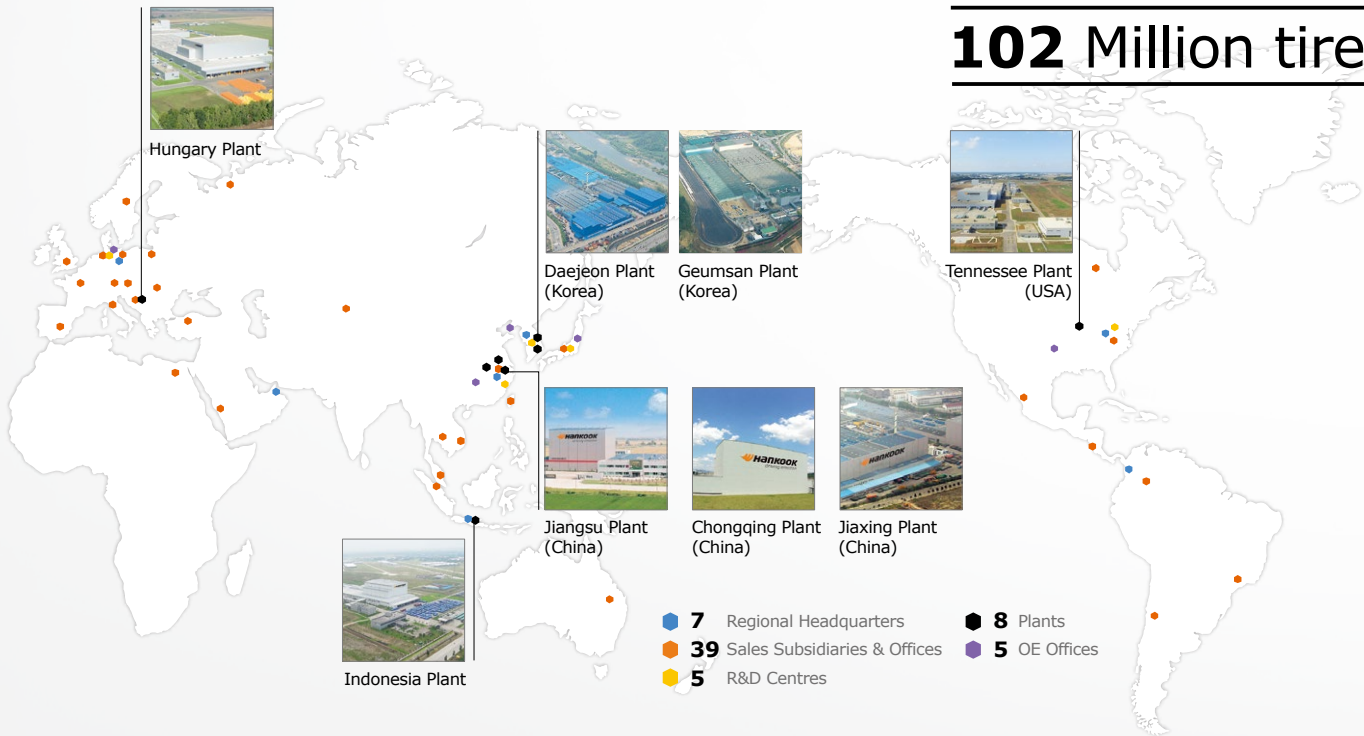
Leading Global Tyre Company, Hankook Tire

Hankook Tire & Technology Overview

Hankook Tire is a global corporation that has consistently met the challenges of the future, always a step ahead of changes in the world economy. We have anticipated and prepared for what lies ahead, taking the lead in fostering new growth when important opportunities arise.

Our sales network spans across China, Europe, the Americas, Asia Pacific, and the Middle East & Africa as well as Korea where our headquarters is located in order to ensure that our products satisfy local customer needs.

 CEO Jongseon Ahn Sanghoon Lee	 Products Tyres for passenger vehicles, SUV, Trucks and Buses	 Global Ranking in Tire Sales 7 th	 Global Sales Revenue (2023) USD 6.7 Billion
 Production Capacity 102,000,000 Units	 Global Corporate Organisation 7 regional headquarters 5 R&D centres 8 manufacturing plants 39 local subsidiaries	 Number of Selling Countries Approximately 160 countries	 Number of Employees Approximately 22,000



Hankook Tire’s Global R&D Centre

Technoplex



Hankook Technoplex is the corporate headquarters of Hankook Tire & Technology, located in Pangyo Techno Valley, Gyeonggi-do, South Korea. Standing on a 5,461m² lot area with 6 floors below ground and 10 floors above ground making up a total of 45,919m² gross floor area, the building serves as the foundation for the company’s growth strategy and culture. As Hankook’s second project with the world-renowned architecture firm Foster+Partners founded by Sir Norman Foster, it features flexible and open workspaces to nurture a challenging spirit and innovation, connect employees, and further support its proactive culture.

Technodome



Hankook’s high-tech R&D center, Technodome, stands on a massive footprint of 70,288m² of lot area with a 96,347m² gross floor area in Daedeok Innopolis, Daejeon, Korea. A high-tech R&D center that oversees four global research institutes in the U.S., Germany, China, and Japan, the Technodome serves as a symbol of Hankook Tire’s innovation, developing proprietary technology and strengthening future advancements based on traditional and applied research. The “glocalization” (Globalization + Localization) strategy implemented through the cooperation of global research institutes worldwide allows Hankook Tire to lead future tyre technology development while sustaining superior quality.

Technoring



Located in Taean-gun, Chungcheongnam-do, South Korea, Hankook Technoring has a site area of 1.26 million square meters (as large as 125 football fields combined), featuring one of the largest and the longest tyre test track in Asia and comprising 13 independent testing roads. The proving ground is equipped with office buildings, workshops, a gas station, and electric vehicle charging stations that accommodate all types of vehicles including passenger cars, trucks and buses. Its scale and state-of-the-art facilities meet the demanding requirements of global premium carmakers.

About Laufenn



Laufenn - the value choice for professional partners

The Laufenn brand offers customers that are seeking value, quality and performance a wide range of quality products to meet a broad variety of driving conditions. No matter the season, no matter the road conditions, Laufenn will bring you reliably through your day.

Manufactured by Hankook, a premium TBR manufacturer

Laufenn tyres are designed by experienced engineers at state-of-the-art facilities in order to provide high tech products fitting to all the needs and expectations of demanding customers. The products are produced with the latest automation equipment at large scale ISO-certified plants, where quality is guaranteed.


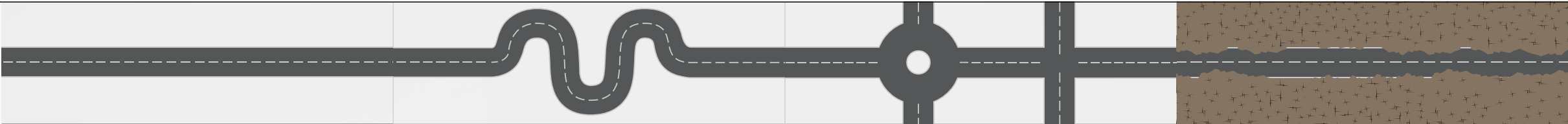









The Laufenn quality policy provides superior products and services to satisfy the needs of our customers all over the world.

In this quickly changing world we offer you up-to-date products that target your day-to-day needs and help you to reach your destinations at ease.

Extend your tyre life

All our tyres are 100% regroovable and retreadable, making sure you get the most of the tyres and can use them for a very long time, increase the mileage and go easy on your budget.

Positioning Map

					
		Long Haul	Regional Haul	Urban	On&Off
 All-Position					
	 Drive				
	 Trailer				

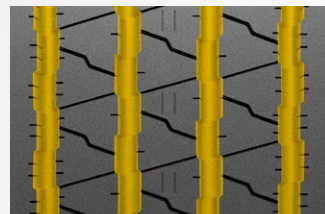
LF21

Regional Haul All Position

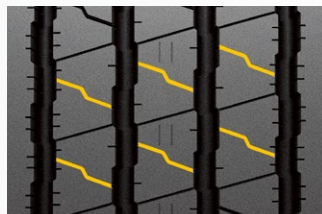


The LF21 is an all position tyre for pick-up and delivery applications. It was designed with four wide deep grooves and uses a special tread compound that offers excellent durability and extends the life of the tyre.

Features & Technology



4 Grooves



Innovative Tread Design

Recommended vehicle types and position



● Recommended position ● Available position

Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class						M+S	3PMSF
				KGS		PSI														
				S	D	S	D													
205/75R17.5	124/122M		12	1600	1500	110	110	760	208	166	11.6	356	D	B	70	A	M+S			
215/75R17.5	128/126M		12	1800	1700	109	109	773	216	170	11.2	361	D	B	70	A	M+S			
225/75R17.5	129/127M		12	1850	1750	105	105	788	232	180	11.2	368	D	B	71	A	M+S			
235/75R17.5	132/130M		14	2000	1900	110	110	793	244	194	11.2	370	C	B	70	A	M+S			
245/70R17.5	136/134M		14	2240	2120	123	123	793	244	194	11.2	370	C	B	70	A	M+S			
* 245/70R19.5	143/141J	136/134M	18	2725	2575	130	130	842	252	204	13.6	394	C	C	69	A	M+S			
* 265/70R19.5	143/141J	140/138M	18	2725	2575	131	131	868	264	212	13.6	406	C	C	69	A	M+S			
285/70R19.5	146/144M		16	3000	2800	123	123	891	284	220	11.6	415	C	B	71	A	M+S			

* M+S, 3PMSF certification planned Q4/2025

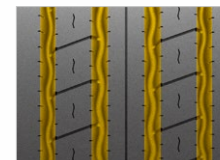
LF22

Regional Haul All Position

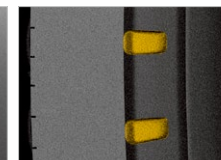


All-position regional haul tyre. Wide and solid shoulder designed for excellent durability. Wavy grooves help increase and sustain traction in new and worn tyres, whilst the adoption of deep grooves maintain the wet braking performance even through the latter phase of wear.

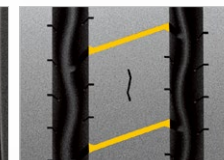
Features & Technology



Zig-Zag Grooves

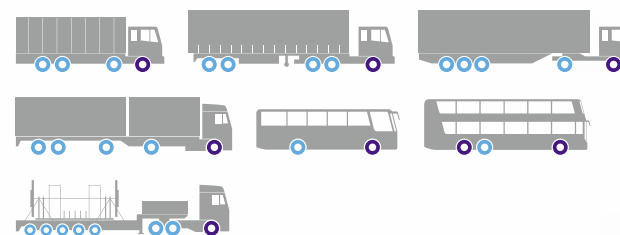


Improved Shoulder



Deep Sipes

Recommended vehicle types and position



● Recommended position ● Available position

Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class					M+S	3PMSF
				KGS		PSI													
				S	D	S	D												
295/80R22.5	154/149M		18	3750	3250	123	123	1050	305	250	15.5	489	D	B	71	A	M+S	3PMSF	
315/60R22.5	154/148L		20	3750	3150	131	131	948	324	280	12.6	445	C	B	71	A	M+S	3PMSF	
315/70R22.5	156/150L		20	4000	3350	131	131	1008	314	262	14.1	471	C	B	71	A	M+S	3PMSF	
315/80R22.5	156/150L		20	4000	3350	123	123	1075	310	252	15.5	499	C	B	71	A	M+S	3PMSF	
385/65R22.5	160K	158L	20	4500	-	130	-	1069	382	308	14.1	497	C	B	71	A	M+S	3PMSF	

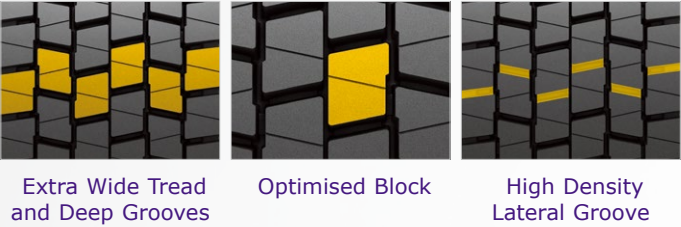
LZ22

Regional Haul Drive

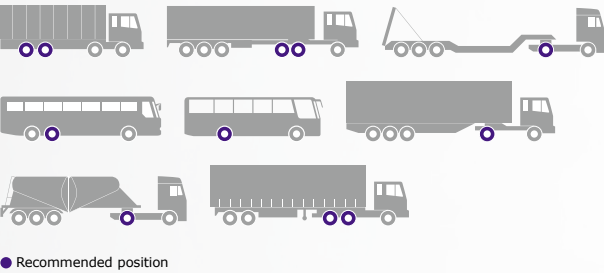
M+S 

Drive axle tyre for regional haul application. Robust tread compound for long tyre life and even wear. Extra wide tread and deep grooves ensure a high mileage. The special block shape provides block rigidity even under heavy loads for outstanding traction and tread stability. Displays outstanding driving and braking capabilities on wet and snowy roads.














Features & Technology



Recommended vehicle types and position



Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class					M+S	3PMSF
				KGS		PSI													
				S	D	S	D												
205/75R17.5	124/122M		12	1600	1500	109	109	764	208	174	13.6	358	E	B	73	A	M+S		
215/75R17.5	126/124M		12	1700	1600	102	102	775	218	178	13.6	362	E	B	73	A	M+S		
225/75R17.5	129/127M		12	1850	1750	105	105	794	232	186	13.1	370	E	B	73	A	M+S		
235/75R17.5	132/130M		14	2000	1900	110	110	807	244	202	13.1	376	D	B	73	A	M+S		
245/70R17.5	136/134M		14	2240	2120	123	123	807	244	202	13.1	376	D	B	73	A	M+S		
245/70R19.5	143/141J	136/134M	18	2725	2575	130	130	849	258	220	16	397	D	B	70	A	M+S		
265/70R19.5	143/141J	140/138M	18	2725	2575	130	130	873	264	226	16	408	D	B	70	A	M+S		
285/70R19.5	146/144M		16	3000	2800	123	123	898	284	232	14.6	418	C	B	73	A	M+S		
295/80R22.5	152/148M		18	3550	3150	123	123	1058	305	250	22.8	492	E	B	73	A	M+S		
315/70R22.5	154/150L		18	3750	3350	131	131	1019	314	260	19.4	475	E	B	73	A	M+S		
315/80R22.5	156/150L	154/150M	20	4000	3350	123	123	1091	316	264	23.3	506	D	B	73	A	M+S		

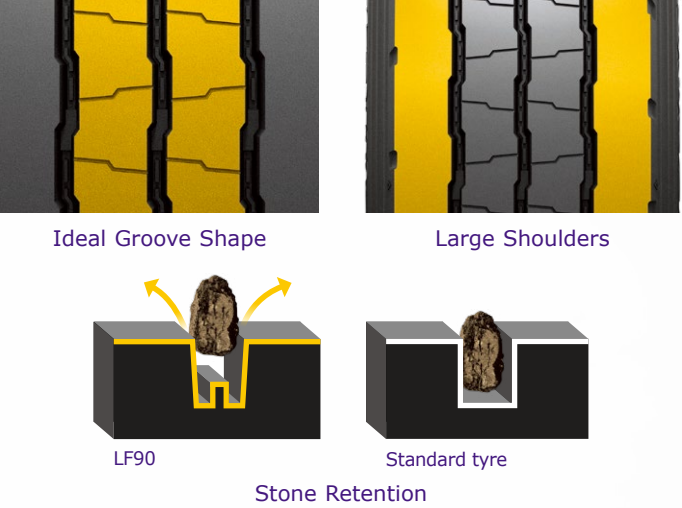
LF90

Regional Haul Trailer

M+S

The LF90 is a trailer tyre for low profile applications. It is designed to provide high mileage due to a special tread contour that offers the best possible driving performance on the road.







Features & Technology



Recommended vehicle types and position



Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class					M+S	3PMSF
				KGS		PSI													
				S	D	S	D												
215/75R17.5	135/133J		16	2180	2060	123	123	774	216	174	11.6	362	D	B	70	A			
245/70R19.5	141/140J		18	2575	2500	125	125	842	252	210	11.6	394	C	C	70	A			
265/70R19.5	143/141J		18	2725	2575	123	123	868	264	236	12.1	406	C	C	70	A			

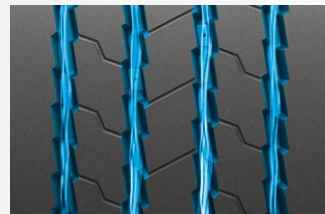
LF91

Regional Haul Trailer



Trailer tyre for regional haul applications. The wide and solid shoulder design ensures high mileage and prevents belt separation. Wide shoulders also provide stability and reduces uneven wear. Slanted grooves prevent chunking and lateral semi-grooves improve initial traction performance.

Features & Technology



Zigzag Groove








Wide and Solid Shoulder

Recommended vehicle types and position



● Recommended position

Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class						M+S	3PMSF
				KGS		PSI							  							
				S	D	S	D													
235/75R17.5	143/141J		18	2725	2575	127	127	796	244	218	12.6	371	C	B	70	A	M+S			
245/70R17.5	143/141J		18	2725	2575	131	131	796	244	218	12.6	371	C	B	70	A	M+S			
385/55R22.5	160K	158L	18	4500	-	130	-	998	382	320	13.6	467	B	C	70	A	M+S			
425/65R22.5	165K		20	5150	-	120	-	1127	420	316	15	521	C	C	70	A	M+S			

LF95

Regional Haul Trailer

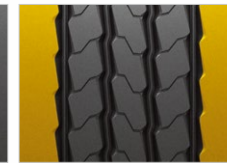


All season trailer tyre for regional haul application. The wide and solid shoulder design ensures high mileage and prevents belt separation. The zig zag tread pattern is designed to deliver high traction and to channel water for enhanced wet grip. The tread channels also use stone ejection technology.

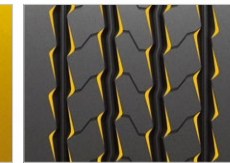
Features & Technology



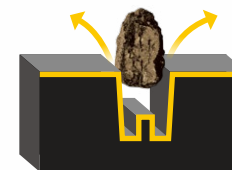
Zig-Zag grooves



Wide and solid shoulder design



Groove slant design



LF95



Standard tyre











Stone Retention

Recommended vehicle types and position



● Recommended position

Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class				M+S	3PMSF		
				KGS		PSI														
				S	D	S	D													
* 215/75R17.5	135/133J	-	16	2180	2060	123	123					Available Soon				M+S				
* 235/75R17.5	143/141J	-	18	2725	2575	127	127					Available Soon				M+S				
* 245/70R17.5	143/141J	-	18	2725	2575	127	127					Available Soon				M+S				
* 245/70R19.5	141/140J	-	18	2575	2500	123	123					Available Soon				M+S				
** 265/70R19.5	143/141J		18	2725	2575	123	123	870	260	870	13	401	C	C	71	A	M+S			
385/65R22.5	164K	158L	24	5000	-	131	-	1066.6	382	290	13.9	496	C	B	69	A	M+S			
* Available Q4/2025 ** Available Q2/2025																				
LF95+																				
* 385/65R22.5	164K	158L	24	5000	-	131	-					Available Soon				M+S				

* Available Q4/2025

LR01

On & Off-Road All Position

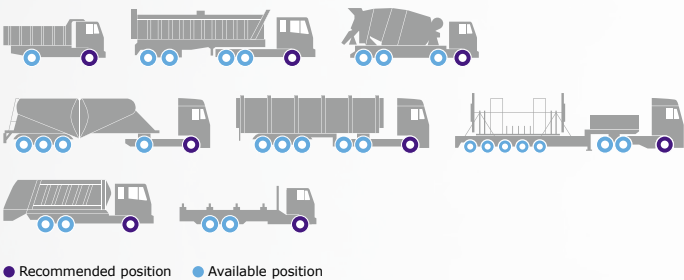
M+S 

All-position tyre for on & off-road applications. Special tread compound strengthens the tyre and prolongs the tyre life. Wide shoulders and zigzag grooves provide excellent grip and traction on wet and dry roads.






Features & Technology



Recommended vehicle types and position



Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class						M+S	3PMSF
				KGS		PSI														
				S	D	S	D													
13R22.5	156/150K		18	4000	3350	127	127	1120	310	244	18.4	518	D	C	71	A	M+S			
315/80R22.5	156/150K		18	4000	3350	123	123	1076	310	248	16	500	D	C	71	A	M+S			

LR02

On & Off-Road All Position

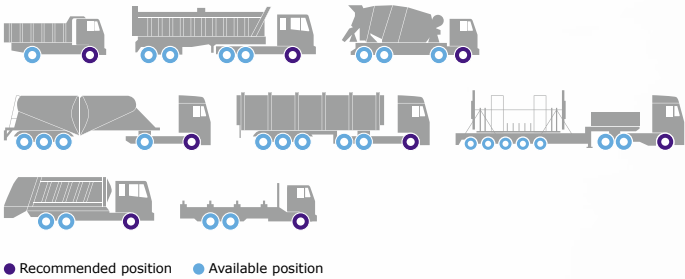
M+S 

All-position tyre for on & off-road applications. Special tread compound ensures outstanding casing durability and a long tyre life. The tread pattern design supports reliable traction and braking performance on both roads and rough surfaces.






Features & Technology



Recommended vehicle types and position



Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class				M+S	3PMSF
				KGS		PSI												
				S	D	S	D											
* 265/70R19.5	143/141J		18	2725	2575	123	123	874	259	874	15	403	D	C	74	B	M+S	
385/65R22.5	158L	160K	18	4250	-	120	-	1072	382	288	16.5	498	C	C	72	B	M+S	

* Available Q2/2025

LR53

On & Off-Road Drive

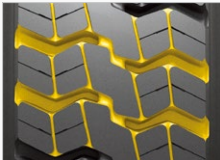
M+S 

Drive axle tyre for reliable on & off-road performance. Unique chip & cut resistant tread compound ensures durability and a long tyre lifespan. The special belt construction protects the tyre during use in rough off-road terrain.

Features & Technology



Specific Tread Compound



Innovative Lug Directional Design










Robust 4-Belt Construction

Recommended vehicle types and position



● Recommended position

Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class				M+S	3PMSF
				KGS		PSI												
				S	D	S	D											
13R22.5	156/150K		18	4000	3350	127	127	1124	314	240	19.9	520	D	C	72	A		
315/80R22.5	156/150K		18	4000	3350	123	123	1086	308	250	20.9	504	D	C	72	A		

LF60

Urban All Position

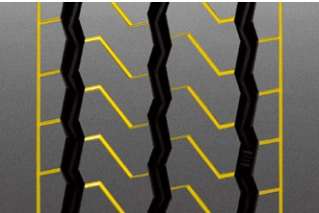
M+S 

This all-position tyre is designed specifically for city traffic. The minimal motion of the belt structure keeps heat generation low. The carcass structure minimises tyre deformation and the optimised tread footprint decreases uneven wear.

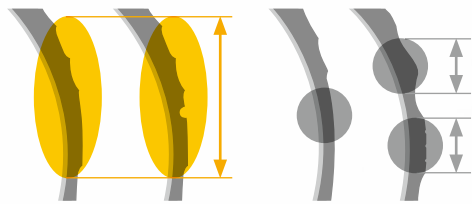
Features & Technology



Optimised Tread Profile



Horizontal Sipe and Deeper Grooves



Standard LF60 Normal S/W Old




Full Sidewall Protector

Recommended vehicle types and position



● Recommended position ● Available position

Available Sizes

Size	LI/SS	Ext.LI	Ply	Max. Load		Max. Air		Overall Diameter (mm)	Section Width (mm)	Tread Width (mm)	Tread Depth (mm)	Static Loaded Radius (mm)	Tyre labelling class				M+S	3PMSF
				KGS		PSI												
				S	D	S	D											
275/70R22.5	150/148J	152/148F	18	3350	3150	131	131	963	279	240	17	452	D	C	71	A		

Regrooving Introduction

Introduction

A regrooved tyre means a tyre, either new or retreaded, on which a tread pattern has been produced by cutting into the tread in accordance with the tyre manufacturer's recut tread pattern. Recut tread patterns for Hankook tyres are contained in this manual.

Regrooving of truck tyres requires fully trained operators:

- Use only regrooving tools with electrically heated blades
- Determine the blade setting depth for each individual tyre by referring to the following tables
- Set the blade in the cutter head to the specified depth
- While regrooving, hold the cutter so that the underside of the cutting head is flat against the tread surface. Heating of the blade starts automatically as the blade penetrates the rubber

A minimum depth of remaining undertread rubber is required to avoid:

- Damage of the top steel belt
- Rib tearing caused by groove cracking
- Stone damage

After regrooving, the tyre should be free of any defects (cracks, separations exposed ply or cord) visible on either the mounted or demounted tyre.

Technical Requirements

The tyre must be demounted from the rim before regrooving.

Inspection :

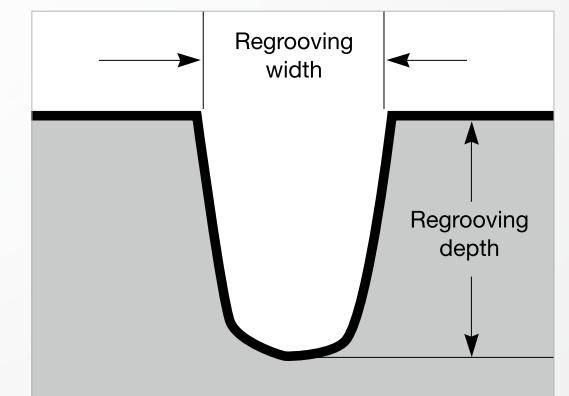
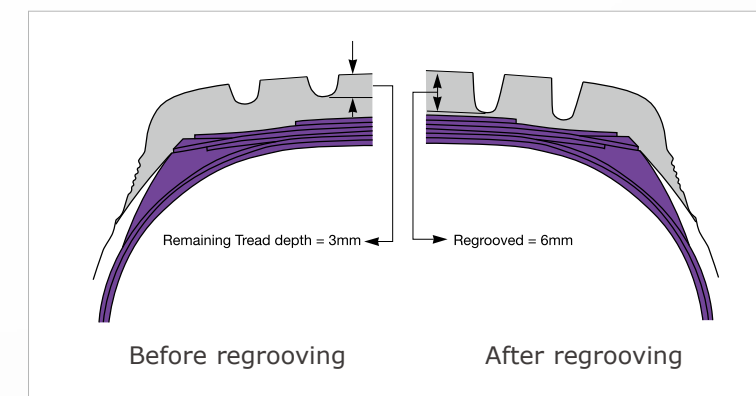
- Before regrooving check there is no damage on any part of the tyre
- Remove stones and any other foreign objects such as nails from the tread which may have embedded into the grooves. Repair if necessary
- Particular care should be exercised in selecting a tyre for regrooving where the tread area is damaged in anyway (eg: chipping, tearing and cutting due to abnormal operating conditions)
- Where a tyre has worn abnormally it may be possible to regroove that part of the worn tyre, provided that a sufficient amount of the original groove is visible before regrooving

It is recommended that the minimum remaining tread depth be between 2mm and 3mm before regrooving. The tread depth should be measured around the circumference at 4 places to find the minimum remaining depth. Set the cutter blade for the recommendations as shown in this publication.

Please make sure that you regroove Hankook tyres steel radials to the patterns, depths and widths recommended in this manual to ensure good service from your tyres.

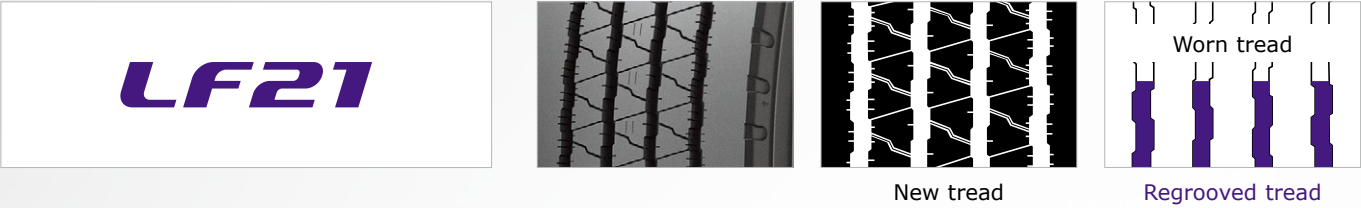
After regrooving, your tyre should be free from defects. It is most important to ensure that the belts under the tread have not been exposed.

Regrooving Recommendations



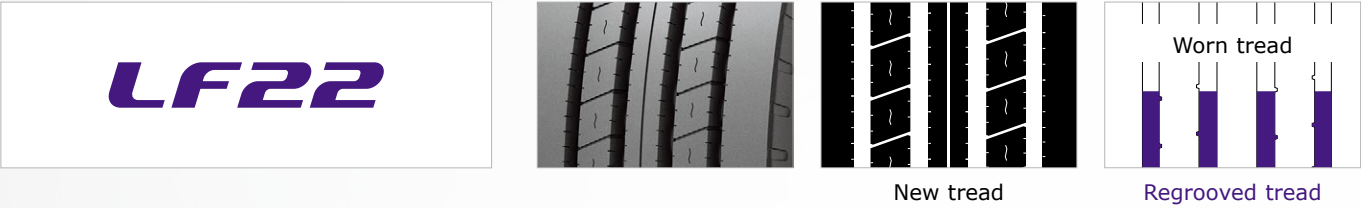
Regrooving Technical Data

Regional Haul



Size	Type	Tread Depth	Regrooving Depth	Regrooving Width
		mm	mm	mm
Tubeless				
205/75R17.5	124/122M	11.6	3	5.5-7.5
215/75R17.5	126/124M	11.2	3	5.5-7.5
225/75R17.5	129/127M	11.2	3	6~8
235/75R17.5	132/130M	11.2	3	7-9
245/70R17.5	136/134M	11.2	3	7-9
* 245/70R19.5	143/141J	13.6	3	9~11
* 265/70R19.5	143/141J	13.6	3	9~11
285/70R19.5	146/144M	11.6	3	9~11

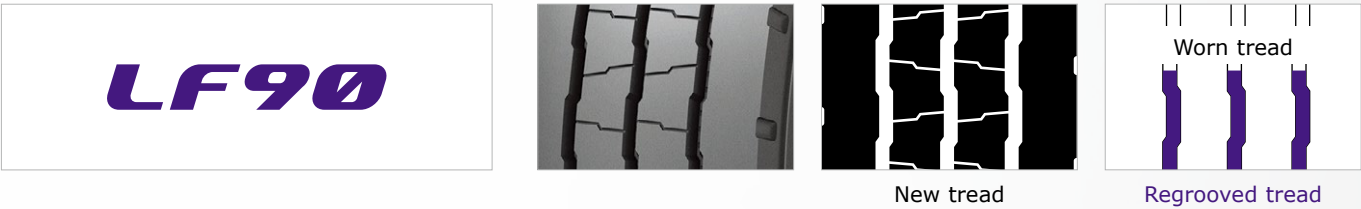
* M+S, 3PMSF certification planned Q4/2025



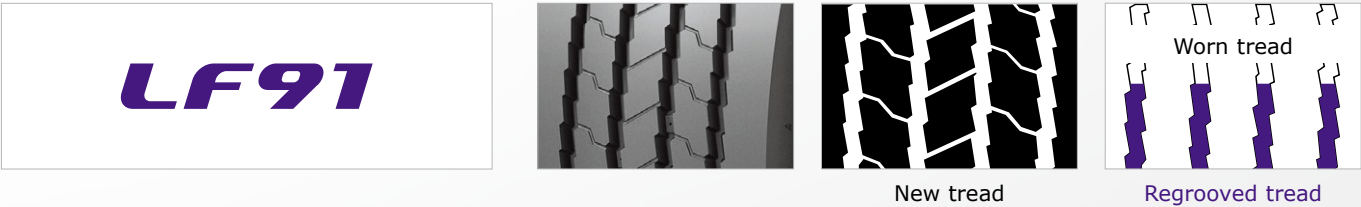
Size	Type	Tread Depth	Regrooving Depth	Regrooving Width
		mm	mm	mm
Tubeless				
295/80R22.5	152/148M	15.5	3	7-9
315/60R22.5	154/148L	12.6	3	8~10
315/70R22.5	154/150L	14.1	3	9-11
315/80R22.5	156/150L	15.5	3	10-12
385/65R22.5	160K(158L)	14.1	3	10-12



Size	Type	Tread Depth	Regrooving Depth	Regrooving Width
		mm	mm	mm
Tubeless				
205/75R17.5	124/122M	13.6	3	5-7
215/75R17.5	126/124M	13.6	3	5-7
225/75R17.5	129/127M	13.1	3	4~6
235/75R17.5	132/130M	13.1	3	5-7
245/70R17.5	136/134M	13.1	3	5-7
245/70R19.5	143/141J	16	3	5~7
265/70R19.5	144/142M	16	3	8-10
285/70R19.5	146/144M	14.6	3	4~6
295/80R22.5	152/148M	22.8	3	6-8
315/70R22.5	154/150M	19.4	3	6-8
315/80R22.5	154/150M	23.3	3	6-8




Size	Type	Tread Depth	Regrooving Depth	Regrooving Width
		mm	mm	mm
Tubeless				
215/75R17.5	135/133J	11.6	3	7-9
245/70R19.5	141/140J	11.6	3	12~14
265/70R19.5	143/141J	12.1	3	12~14

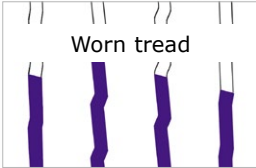
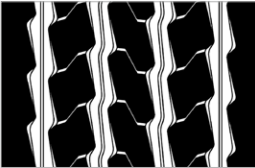
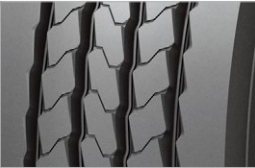


Size	Type	Tread Depth	Regrooving Depth	Regrooving Width
		mm	mm	mm
Tubeless				
235/75R17.5	143/141J	12.6	3	6~8
245/70R17.5	143/141J	12.6	3	6~8
385/55R22.5	160K(158L)	13.6	3	9-11
425/65R22.5	165K	15	3	11-13

Regrooving Technical Data

Regional Haul





New treadRegrooved tread

Size	Type	Tread Depth mm	Regrooving Depth mm	Regrooving Width mm
Tubeless				
* 215/75R17.5	135/133J			Available soon
* 235/75R17.5	143/141J			Available soon
* 245/70R17.5	143/141J			Available soon
* 245/70R19.5	141/140J			Available soon
** 265/70R19.5	143/141J	13	3	8~10
385/65R22.5	164K	13.9	3	10~12

* Available Q4/2025

** Available Q2/2025

LF95+


* 385/65R22.5

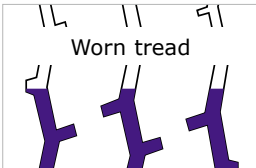

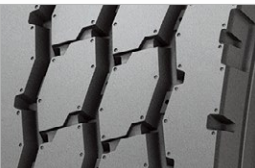
164K

Available soon

* Available Q4/2025

On & Off-Road




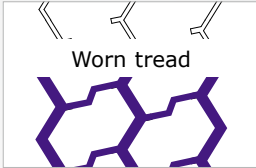
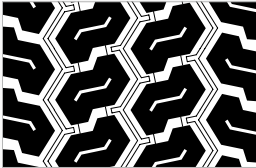



New treadRegrooved tread

Size	Type	Tread Depth mm	Regrooving Depth mm	Regrooving Width mm
Tubeless				
13R22.5	154/150K(156/150G)	18.5	3	11-13
315/80R22.5	156/150K	16	3	11-13

On & Off-Road




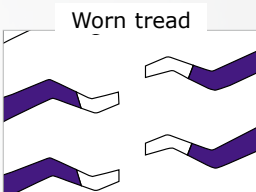

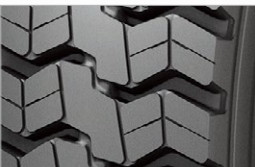


New treadRegrooved tread

Size	Type	Tread Depth mm	Regrooving Depth mm	Regrooving Width mm
Tubeless				
* 265/70R19.5	143/141J	15	3	11~13
385/65R22.5	158L(160J)	16.5	3	9-11

* Available Q2/2025




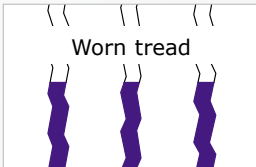
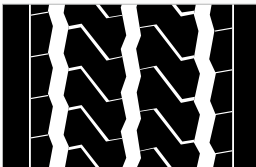
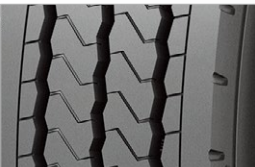


New treadRegrooved tread

Size	Type	Tread Depth mm	Regrooving Depth mm	Regrooving Width mm
Tubeless				
13R22.5	156/150K	19.9	3	9-11
315/80R22.5	156/150K	20.9	3	9-11

Urban





New treadRegrooved tread

Size	Type	Tread Depth mm	Regrooving Depth mm	Regrooving Width mm
Tubeless				
275/70R22.5	150/148J(152/148F)	17	3	9-11

Introduction

Basic Tyre Knowledge

Basic Tyre Knowledge Definitions

Overall Diameter	Diameter of the Tyre from tread surface to tread surface while inflated but unladen.
Tread Width	The width of the tread surface, designed for contact with the road.
Static Loaded Radius	Distance from the centre of the axle to the ground at the rated load and inflation pressure.
Revs/Mile	Revolutions of the Tyre per mile.
Rim Width	Distance between the inside of the rim flanges.
Section Height	Distance from the bead seat to the outer tread surface of the inflated Tyre.
Section Width	Distance between the outer sidewalls of an inflated Tyre.

Aspect Ratio(Series) =

Section Height

Section Width

x 100

TB Low-Profile Conversion Chart

Size	Tube Type	Tubeless Type
255/80R22.5	9.00R20	10R22.5
265/75R22.5		
275/80R22.5	10.00R20	11R22.5
295/75R22.5		
275/80R24.5	10.00R22	11R24.5
285/75R24.5		
295/80R22.5	11.00R20	12R22.5
315/80R22.5	12.00R20	13R22.5

Load Range Chart

Load Range (LR)	Ply Rating (PR)
A	2
B	4
C	6
D	8
E	10
F	12
G	14
H	16
J	18
L	20
M	22
N	24

Load Index & Speed Symbol

Size markings

Marking	315/80R 22.5 152/147L
315	Tyre section width (mm)
80	Aspect ratio [(section height / section width) x100]]
R	Radial structure
22.5	Rim diameter (inch)
152	Max. load index when mounting single wheels (3,550kg)
147	Max. load index when mounting dual wheels (3,075kg)
L	Tyre max. driving speed symbol (120km/h)

Speed symbols [km/h and mph]

Symbol	G	J	K	L	M	N
km/h	90	100	110	120	130	140
mph	56	62	69	75	81	87

Conversion of load index (LI) into load capacities per Tyre

LI	kg	lb	LI	kg	lb	LI	kg	lb
110	1060	2335	131	1950	4300	152	3550	7825
111	1090	2405	132	2000	4410	153	3650	8045
112	1120	2470	133	2060	4540	154	3750	8265
113	1150	2535	134	2120	4675	155	3875	8545
114	1180	2600	135	2180	4805	156	4000	8820
115	1215	2680	136	2240	4940	157	4125	9095
116	1250	2755	137	2300	5070	158	4250	9370
117	1285	2835	138	2360	5205	159	4375	9645
118	1320	2910	139	2430	5355	160	4500	9920
119	1360	3000	140	2500	5510	161	4625	10195
120	1400	3085	141	2575	5675	162	4750	10470
121	1450	3195	142	2650	5840	163	4875	10745
122	1500	3305	143	2725	6010	164	5000	11025
123	1550	3415	144	2800	6175	165	5150	11355
124	1600	3525	145	2900	6395	166	5300	11685
125	1650	3640	146	3000	6615	167	5450	12015
126	1700	3750	147	3075	6780	168	5600	12345
127	1750	3860	148	3150	6945	169	5800	12785
128	1800	3970	149	3250	7165	170	6000	13230
129	1850	4080	150	3350	7385			
130	1900	4190	151	3450	7605			

Introduction

Truck Tyre Markings

All truck tyres are marked to represent their structure, construction type, dimensions and manufacturer / brand.

In addition they should carry the Department of Transport code and/or ISO symbols. Below is a typical Laufenn tyre that illustrates ISO markings.

- 1 **Brand Name:** Manufacturer name of the tyre.
- 2 **E-mark and Number:** It means the tyre is certified in Europe. In addition, KS, UTQG, CCC, NORM, etc. are carved to signify the certification of each country.
- 3 **Regroovable:** It denotes the tyre is available to use 50% more tread by cutting main groove deeper. It is definitely done by an expert.
- 4 **Tubeless:** This tyre is tubeless structure. (Tyres composed of a tube have "Tubetype" marking)
- 5 **Radial Tyre:** Indicates the construction: R (for radial), D (for bias [diagonal]) or B (for belted, an extinct kind of construction).
- 6 **Pattern Name:** Pattern name of the tyre.
- 7 **Load & Inflation Pressure:** Tyre maximum load and inflation pressure as to standard. It varies from size to size.
- 8 **TWI Mark:** Tread Wear Indicator or TWI shows the minimum status of tread wear which must be conformed.
- 9 **DOT Code:** This is a code required by the Department of Transport (DOT) which certifies the tyre manufacturer's compliance with DOT Tyre safety standards. The last four digits indicates the date of manufacture of the tyre. For example, a tyre of DOT ending with 0122 was produced in the 1st week of 2022.
- 10 **Tyre Size:** Tyre size which shows tyre section width (in mm), aspect ratio, rim inch.
- 11 **Safety Warning:** Critical information customers should know for safety.

Tread Wear Indicator (TWI) Mark

Serial Number
DOT Code

Tyre Size

Material

Safety Warning

1 Brand Name
Country of Origin

2 E-mark and Number

3 regroovable

4 Tubeless

5 Radial Tyre

6 Pattern Name

Load and speed symbol
Test Pressure

7 Load and Inflation Pressure

Load Range

Region

Truck Tyre Markings

Important Safety Warning

Disregarding any of the safety precautions and instructions contained in this information sheet may result in tyre failure or explosion causing serious personal injury or death.

For your safety and protection against serious injury or death, the following safety precaution and maintenance instructions **MUST** be observed at all times.

IMPORTANT SAFETY CHECK LISTS

- Check tyre air pressure periodically.
- Inspect tyre for uneven treadwear, cracks, bulges or any sign of foreign material or trauma.
- Remember to check your tyre load carrying capacity and speed ratings.
- Check your tyre life. Tyres must be replaced when tread is worn down to 1.5mm
- Never overload your vehicle; check tyre load carrying capacity or vehicle owner’s manual for the maximum recommended load.

TYRE INFLATION PRESSURE

Warning : Under-inflated and/or overloaded tyres pose a safety risk.
A tyre can lose up to half of its air pressure and not appear to be flat. It is very common to have under-inflated tyres.
Results of a tyre pressure survey conducted by RMA (Rubber Manufacturers Association) show:

- Only 9% of vehicles had all four tyres properly inflated.
- 50% of vehicles had at least one tyre under inflated.
- 19% of vehicles had at least one tyre under inflated by 8 psi.
- 26% of vehicles had at least one tyre under inflated by 6 psi.
- 38% of vehicles had at least one tyre under inflated by 4 psi.

Under-Inflation : Under-inflated (or tyre over-loading) leads to tyre failures, which often results in serious personal injury or death. Among the mode of tyre failures are tread/belt separations, sidewall flex breaks and crack formation. Tyres run hotter when under-inflated which can lead or contribute to tyre failure. Under-inflated tyres also adversely affect fuel economy, tyre wear and vehicle handling.

Proper Inflation : Proper tyre inflation is essential for optimum performance and longevity of the tyre. A US Department of Energy study shows that “properly inflated tyres can improve fuel efficiency by 3.3%”. So, what is the proper inflation for my tyres and where can I find it? For original equipment tyres or replacement tyres with the same size and load rating, proper inflation is specified by the vehicle manufacturer shown on a placard that can be found on the door edge, door post, glove compartment door or gas tank door. It can also be found in the owner’s manual. Proper inflation information is NOT stamped on the sidewall of the tyre. The inflation pressure shown on the sidewall of the tyre is the maximum inflation pressure.

Check Tyre Inflation Pressure Regularly : Tyre inflation pressure must be checked at least once a month and before every long trip. The Tyre air pressure must be checked when the tyres are cold, before driving. At all times visually check tyres for nails or other objects embedded in the tread which can cause an air leak. Always use caution when bleeding air from hot tyres to eliminate burns.

TYRE DAMAGE

Inspect your tyres frequently for uneven wear, scrapes, bulges, separations, cuts, snags and other damage from road hazards. Damage from impact can occur to the inner part of your tyre without being visible to the outside. If you have any doubt that a tyre has been damaged from hitting a pothole, curb or debris on the road, tyres must be removed from the wheel and inspected for damage by a qualified person, such as a Hankook authorised dealer. Uneven wear can lead to internal damage or separation.

TYRE LOAD

The load carrying capacity of the replacement tyre must always equal or exceed the load carrying capacity of the original equipment tyre. Tyres that are loaded in excess of allowable maximum can build up heat and cause sudden air loss or failure.

SPEED

When replacing tyres, consult the placard or the owner’s manual for correct size and speed rating. The speed rating of the replacement tyres must be equal to or greater than the speed rating of the tyre being replaced, to maintain the speed capability of the vehicle. Speed ratings do not imply that the vehicle can be safely driven at the maximum speeds for which the tyre is rated. Serious injury or death may occur if the vehicle is being driven in an unsafe or unlawful manner. Hankook’s speed symbol designations are verified and comply with regulatory indoor test in accordance with ECE-R30,54 test (Economic council for Europe : Procedure Load / Speed Performance Test For Tyres). These symbols are not applicable to the repaired tyres.

Category		Maximum Speed	
G	90 km/h	55 mph	
J	100 km/h	62 mph	
K	110 km/h	69 mph	
L	120 km/h	74 mph	

Category		Maximum Speed	
M	130 km/h	80 mph	
N	140 km/h	87 mph	
P	150 km/h	94 mph	
O	160 km/h	100 mph	

CHECK TYRE LIFE

Tyres have six built-in treadwear indicators that warn when it is time to replace tyres. These indicators are raised ribs 1.5mm height sections spaced intermittently in the bottom of the tread grooves. When they appear even with the outside of the tread, it is time to replace tyres immediately.

TYRE MOUNTING

Tyre mounting and inflation can be dangerous and shall be done only by specially trained persons using proper tools and procedures. Always refer to the Rubber Manufacturers Association mounting procedure. Serious physical injury or death may result from explosion of tyre / rim assembly due to improper mounting. A tyre bead diameter must always match the diameter of the rim on which it is being mounted. When inflating /dismounting RV tyres, approved OHS safety cages must be used. Never stand, lean or reach over the assembly while inflating tyres.

TYRE ROTATION

For safety and maximising tyre life, rotate tyres at least every 10,000km or at the vehicle manufacturer’s recommended mileage. Each tyre pressure must be checked after rotation and adjusted to the vehicle manufacturer’s recommendation for the tyres’ new location on the vehicle. If irregular wear is evident, vehicle alignment or other mechanical problems should be checked.

TYRE REPAIR

Make sure any repair shall be done by a specially trained person who knows proper repair and inspection procedure. Never repair tyres worn below the treadwear indicators (1.5mm of remaining tread depth). Punctures through the tread can be repaired if they are not too large, but punctures or damage to the sidewall should not be repaired at any time. A tyre’s internal structural damage may occur during the service, even if the tyre was properly repaired.

ADDITIONAL INFORMATION OR CUSTOMER SERVICE

If you have any questions on additional technical information, contact the Hankook Tire Technical Department.
contact us at the below contact details:

Siemensstrasse 14 63263 Neu-Isenburg, Germany
Tel : +49(0)6102-8149-0 Fax : +49(0)6102-8149-100
www.laufenn.com

Laufenn

Siemensstrasse 14 63263 Neu-Isenburg, Germany

Tel : +49(0)6102-8149-0

Fax : +49(0)6102-8149-100

www.laufenn.com

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