

2025 HANKOOK TIRE

# TRUCK & BUS TIRE CATALOG



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The data in this booklet can be changed by the manufacturer without prior notice.

# Leading Global Tire 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.

<p>CEO <b>Soo-il Lee</b></p>	<p>Products Tires for passenger vehicles, SUV, Trucks and Buses</p>	<p>Global Ranking in Tire Sales <b>7<sup>th</sup></b></p>	<p>Global Sales Revenue (2024) <b>USD 6.9 Billion</b></p>
<p>Production Capacity <b>102 Million Units</b></p>	<p>Global Corporate Organisation 7 regional headquarters 5 R&amp;D centers 8 manufacturing plants 39 local subsidiaries</p>	<p>Number of Selling Countries <b>Approximately 160 countries</b></p>	<p>Number of Employees <b>Approximately 22,000</b></p>



# Hankook Tire's Global R&D Center

## Technoplex



Hankook Technoplex is the corporate headquarters of Hankook Tire & Technology, located in Pangyo Techno Valley, Gyeonggi-do, South Korea. Standing on a 5,461m<sup>2</sup> lot area with 6 floors below ground and 10 floors above ground making up a total of 45,919m<sup>2</sup> 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 70,288m<sup>2</sup> of lot area with a 96,347m<sup>2</sup> 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 tire 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 tire test tracks 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.

# Hankook TBR OE Supply

	2013	2018	2019	2023~				
<b>Vehicle</b>	 MV Series HV Series	 F Series	 Cascadia M2	 Alliado	 SAF-T-LINER	 IC Bus	 RAM 4500 RAM 5500	 L / XL Series
<b>Steer</b>	AH37 AH32 	AL21 AH37 AH24 AH35 	AH24 AH37 	AH37 AH35 	AH37 			
<b>Drive</b>	DH37 	DL11 DH06 DH37 DH35 	DH06 DH37 	DH37 DH35 	DL11 			



# Supplying Product by OE Account

## Daimler Truck North America

Vehicle	Size	Product
108SD 	11R22.5	AH37
	11R22.5	DH06
114SD 	11R22.5	DH06
57X 	295/75R22.5	DL11
Gaffney B2 106 	11R22.5	AH24
	10R22.5	AH37
	11R22.5	AH37
	255/70R22.5	AH37
	11R22.5	DH06
	10R22.5	DH37
M2 106 	11R22.5	AH37
	11R22.5	AL21
	295/75R22.5	AL21
	295/75R22.5	AL21
	11R22.5	DH06
	11R22.5	DL11
PE116DC 	11R22.5	AH37
	295/75R22.5	AL21
	11R22.5	DL11
	295/75R22.5	DL11
PE116SLP 	11R22.5	AH37
	11R22.5	DL11
	295/75R22.5	DL11
PT126DC 	295/75R22.5	AH24
	11R22.5	AH37
	11R22.5	AL21
	295/75R22.5	AL21
	11R22.5	DL11
PT126SLP 	11R22.5	DL11
	295/75R22.5	AL21
	295/75R22.5	AL21
	11R22.5	DL11
	295/75R22.5	DL11

## Ford

Vehicle	Size	Product
F650/750 	245/70R19.5	AH35
	245/70R19.5	AH35
	265/70R19.5	AH35
	245/70R19.5	DH35
	245/70R19.5	DH35
	265/70R19.5	DH35

## Hino

Vehicle	Size	Product
L Series 	11R22.5	AH37
	11R22.5	DL11
XL Series 	11R22.5	AH37
	11R22.5	DL11

## Navistar

Vehicle	Size	Product
HV Series 	425/65R22.5	AH32
	11R24.5	DH37
IC Bus (CE, RE Series) 	11R22.5	AH37
	11R22.5	AH37
	10R22.5	AH37
	295/75R22.5	AH37
	10R22.5	AH37
	11R22.5	DH37
	10R22.5	DH37
MV Series 	295/75R22.5	DH37
	255/70R22.5	AH37

## Müller-BBM

Vehicle	Size	Product
Alliado 	11R22.5	AH37
	11R24.5	AH37
	255/70R22.5	AH37

## Stellantis

Vehicle	Size	Product
RAM 4500 	225/70R19.5	AH35
	225/70R19.5	DH35
RAM 5500 	225/70R19.5	AH35
	225/70R19.5	DH35

## Tata Deawoo

Vehicle	Size	Product
Novus / Prima 	295/80R22.5	DH31
	315/80R22.5	AH11
	245/70R19.5	AH35
	265/70R19.5	AH35
	315/80R22.5	AH31
	315/70R22.5	AH31
	295/80R22.5	AH31
	275/70R22.5	DH31
	12R22.5	DM06
	1200R24	DM06
	1200R24	AM09
	12R22.5	AH31
	385/65R22.5	AH32

## Kia

Vehicle	Size	Product
Granbird 	12R22.5	AL10

## Hyundai

Vehicle	Size	Product
Universe 	12R22.5	AH04
	295/80R22.5	AL10
	11R22.5	AH25
Mighty 	8.5R17.5	AH06
	8.5R17.5	DH01
XCIENT 	750R16	F19
	12R22.5,16	DM02
	12R22.5	AH22
	385/65R22.5	AH15
	275/70R22.5	AL10
ELEC CITY 	315/70R22.5	AH11
	315/80R22.5	AH11S
	385/65R22.5	AH15
	12R22.5	DM06
	12R22.5	AH40
PAVISE 	275/70R22.5	AU06
	245/70R19.5	AH35
	285/70R19.5	AH35

# 2025 HANKOOK TIRE TBR PRODUCT OVERVIEW

		Long Haul	Regional Haul	Urban	On&Off
General Commercial Vehicle					
Special Purpose	EV Bus				
	Coach				
	Winter				

- e-SMART City : Eco-friendly electric bus tires optimised for enhanced mileage against high torque, improved battery mileage and superior loading capacity.
- SMART Line : Optimised for fuel efficiency and high speed at long distance driving.
- SMART Flex : Optimised for long tread life and durability at all types of driving in all-weather

- SMART Work : Optimised for toughness, traction with high load at aggressive road surface
- SMART City : Optimised for even wear and smooth traction at frequent stop & go driving
- SMART Touring : Optimised for comfortable people transportation
- SMART Control : Optimised for traction and safety at winter driving

# Hankook TBR Products

		Long Haul		Regional Haul		Urban		On & Off	
Steer		 <b>SMART Line</b> AL52 AL21  AL50 	 <b>SMART Touring</b> AL22 	 <b>SMART Flex</b> AH51 	AH24 AH35  AH37 AH32 	 <b>SMART City</b> AU04 	 <b>SMART Work</b> AU57 	 <b>SMART Work</b> AM09(+)  AM15(+) 	
	Drive		DL52 DL21  DL11 		DL12 DH51  DL15+ 	DH06 DH35  DH37 DH52 DH07 			DM09  DM04 
		Trailer		TL21 		TH31 			

# Hankook TBR Technology

## SMARTEC HANKOOK TBR TECHNOLOGY

From research to development throughout production, all Hankook commercial tires are based on the SmartTec technology system and aim to provide all partners with the best and safest driving experiences.



**Safety**  
Robust structure



**Mileage**  
Cover more distance



**Anti chip & cut**  
Sturdy compound



**Retreadability**  
Saving costs



**Traction**  
Enhanced safety

- About Hankook
- OE Supply
- Product Overview
- Smart Line
- Ultra-Super Single
- Smart Flex
- Smart Work
- Smart City
- Smart Touring

# Hankook Tire Segmentation

## SMART Line AL52

1

2

3

4

1. Product Name

2. Position

3. Circumstance

4. Sequence Number

Usage Type						
		Long haul	Regional haul	Urban	Mixed service, off-road	Winter
Position	A All-position	AL	AH	AU	AM	AW
	D Drive	DL	DH	DU	DM	DW
	T Trailer	TL	TH		TM	TW

<b>L</b>	<b>Long haul</b>	Designed for long distance and high average speed on motorways and truck roads.	<b>SEVERITY</b> -
<b>H</b>	<b>Regional haul</b>	Medium distance for local road conditions, optimised tread life	
<b>U</b>	<b>Urban</b>	Designed for driving in urban areas with frequent stops and city buses.	
<b>M</b>	<b>Mixed service, off-road</b>	For rough surface, need for off-road grip and damage resistance.	
<b>W</b>	<b>Winter</b>	Truck winter tires specialized for snow and ice roads	
			<b>+</b>

Position		
All-position	Drive	Trailer



## **SMART** Line

Smart Line AL52

e3 Max AL21

Smart Line DL52

e3 Max DL21

DL11

e3 Max TL21

Smart Line AL50

# SMART Line AL52

Longer mileage with high fuel efficiency for long haul use

**SMARTEC**  
HANKOOK TBR TECHNOLOGY

Pending Approval for  
SmartWay & CARB

# e<sup>3</sup> MAXAL21

Long haul steer tire with long mileage and fuel efficiency

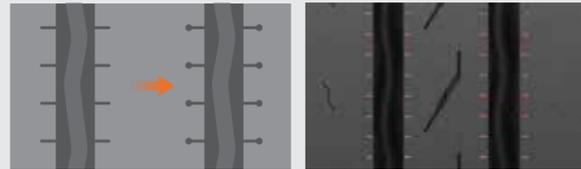
Extended  
Warranty

**SMARTEC**  
HANKOOK TBR TECHNOLOGY

Approved for  
SmartWay & CARB

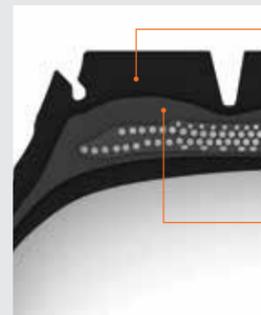
### Multi Round Edge Sipe

The round shape sipes at the groove edge prevent tearing and cracking. It resist irregular wear and provides high mileage.



2D Kerf      Round Edge Sipe

### Tread Compound Technology



#### LRR (Low Rolling Resistance) & mileage compound

New tread compound provides more good fuel efficiency and mileage performance

#### Optimized tread gauge design

It minimizes energy loss and enhances fuel efficiency due to the decrease of heat generation.



### Sizes & Specifications (Pattern Code: AL52)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
*3003939	295/75R22.5	16	T/L	8.25	123	123	7160	6610	40.2	11.4	8.5	19	514	18.7	75	118
*3004086	11R22.5	14	T/L	8.25	105	105	6175	5840	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
*3004087	11R22.5	16	T/L	8.25	120	120	6610	6005	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
*3004088	11R24.5	14	T/L	8.25	105	105	6610	6005	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
*3004089	11R24.5	16	T/L	8.25	120	120	7160	6610	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
*3004090	285/75R24.5	14	T/L	8.25	110	110	6175	5675	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
*3004091	285/75R24.5	16	T/L	8.25	120	120	6780	6175	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.  
\* Available Q3 2025

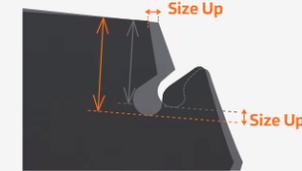
### Recommended Vehicle Types & Position

○ Recommended position



### Innovative Side Decoupling Groove

Prevents uneven wear by reducing movement between sidewall and shoulder.



Old e<sup>3</sup> MAXAL21

### Improved Grip Force

Expanded belt provides equal road grip which results in even wear and better performance.



Old

e<sup>3</sup> MAXAL21



### Sizes & Specifications (Pattern Code: AL21)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003108	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.4	11.1	8.1	19	500	19.3	75	120
3003109	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.4	11.1	8.1	19	498	19.4	75	120
3003110	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.5	11.3	8.1	19	476	20.3	75	122
3003112	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.5	10.9	8.1	19	498	19.4	75	115
3002431	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.2	11.4	8.5	19	514	18.7	75	116
3002488	295/75R22.5	16	T/L	8.25	120	120	7,160	6,610	40.2	11.4	8.5	19	514	18.6	75	116

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### Recommended Vehicle Types & Position

○ Recommended position



# SMART Line DL52

Fuel efficient and optimized traction performance  
For long haul drive position



**Hidden Lateral Groove**  
These hidden grooves appear as the tire wears. This creates new water channels and gripping surfaces giving better wet grip & traction.



**Main Center Groove Zig-Zag**  
Main center zig-zag grooves deliver great traction performance.



**Full 3D Sipe**  
Full depth 3D Sipes deliver excellent mileage and traction during the whole tire life by reinforcing interlocking between blocks



### Sizes & Specifications (Pattern Code: DL52)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003898	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.6	11.4	8.9	25	510	19	75	121
3003988	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.9	11.1	8.9	25	497	20	75	126
3003989	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.9	11.1	8.9	25	497	20	75	126
3004021	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.8	11.3	8.9	25	473	20	75	134
3004022	11R24.5	16	T/L	8.25	120	120	7,160	6,610	43.8	11.3	8.9	25	472	20	75	134
3004023	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.8	11.0	8.9	25	494	19	75	126

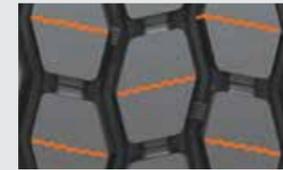
• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position ○ Recommended position

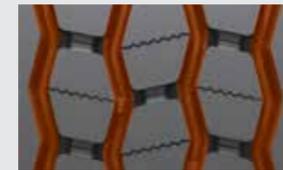


# e<sup>3</sup> MAX DL21

Long haul drive tire with long mileage and fuel efficiency



**3D Kerf**  
3D Kerf reinforces inter-locking between blocks and it delivers great traction performance, stability and even wear.



**Zig-Zag Groove**  
Main 4 zig-zag grooves provides good traction performance.



**Closed Shoulder**  
Closed shoulders delivers smooth wear, fuel efficiency and reinforced stability.



### Sizes & Specifications (Pattern Code: DL21)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003179	11R22.5	14	T/L	8.25	105	105	6,175	5,840	42.2	11.4	9.1	30	494	19.6	75	134
3003180	11R22.5	16	T/L	8.25	120	120	6,610	6,005	42.2	11.4	9.1	30	493	19.7	75	134
3003181	11R24.5	14	T/L	8.25	105	105	6,610	6,005	44.3	11.3	9.1	30	472	20.6	75	141
3003182	11R24.5	16	T/L	8.25	120	120	7,160	6,610	44.3	11.3	9.1	30	469	20.6	75	141
3003183	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	42.2	11.0	9.3	30	493	19.8	75	131
3002432	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.7	11.4	9.3	30	510	19.0	75	127

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position ○ Recommended position



About Hankook  
OE Supply  
Product Overview  
Smart Line  
Ultra-Super Single  
Smart Flex  
Smart Work  
Smart City  
Smart Touring

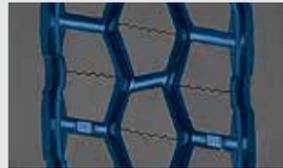
# DL11

Reinforced traction performance with high fuel efficiency



# e<sup>3</sup> MAX TL21

Optimized trailer design for enhanced performance



### 4-Groove Pattern and Straight and Zig-Zag Type Grooves

Semi zig-zag and 4-grooves provide better traction for dry and wet conditions



### Optimized Tread Design and Compound

Provide a longer tread life and helps save fuel



### Closed Shoulder Rib

Provides stability and better performance for even wear



Smart Line

### Side Decoupling Groove



The decoupling groove is designed to resist irregular wear, improve durability and promote stability for better performance.



Anterior



e<sup>3</sup> MAX TL21

### Optimized Design



The linear 4-groove pattern offers straight drivability in all conditions. Enhanced shoulder rib improves stability on the road.



### Sizes & Specifications (Pattern Code: DL11)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3001706	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.9	11.1	8.5	26	498	19.5	75	125
3001705	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.9	11.1	8.5	26	496	19.6	75	125
3001708	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.9	11.1	8.5	26	475	20.5	75	128
3001707	11R24.5	16	T/L	8.25	120	120	7,160	6,610	43.9	11.1	8.5	26	473	20.5	75	128
3001704	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.9	11.3	8.5	26	494	19.4	75	122
3001592	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.7	11.4	8.5	26	509	19.1	75	117

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position



### Sizes & Specifications (Pattern Code: TL21)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3002769	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.1	11.2	8.0	12	504	19.1	75	99
3002828	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.1	11.1	8.0	12	481	20.0	75	107
3002849	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.1	10.8	8.3	12	503	19.2	75	102
3002383	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	39.7	11.4	8.3	12	517	18.5	75	95

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position







## ***ULTRA-SUPER SINGLE***

e3 Wide DL21

e3 Wide DL12

e3 Wide TL21

About Hankoo

OE Supply

Product Overview

Smart Line

**Ultra-Super Single**

Smart Flex

smart Work

Smart City

Smart Touring

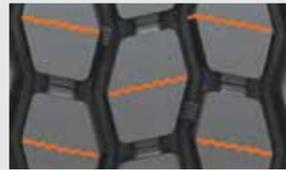
# e<sup>3</sup> WIDE DL21

Long haul drive tire with long mileage and fuel efficiency



# e<sup>3</sup> WIDE DL12

Longer mileage and high traction tire for long & regional haul



**3D Kerf**  
3D Kerf reinforces inter-locking between blocks and it delivers great traction performance, stability and even wear.



**Zig-Zag Groove**  
Main 4 zig-zag grooves provides good traction performance.



**Closed Shoulder**  
Closed shoulders delivers smooth wear, fuel efficiency and reinforced stability.



**4-Channel Pattern with Zig-Zag Grooves and Deep Full Depth Grooves**  
Long original tread life with excellent traction throughout the tire's entire life.



**Combined Structure of Rib and Block Pattern**  
Provides stability, longer mileage, and better handling performance.



**Multi 3D Kerf Design**  
Better traction that prevents tearing and irregular wear for long mileage.



**Sizes & Specifications (Pattern Code: DL21)**

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003449	445/50R22.5	20	T/L	14.00	120	-	10,200	-	40.3	17.4	15.7	24	511	18.5	75	184

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

**Recommended Vehicle Types & Position** ○ Recommended position



**Sizes & Specifications (Pattern Code: DL12)**

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3002277	445/50R22.5	20	T/L	14.00	120	-	10,200	-	40.5	17.4	15.7	27	510	18.6	75	188

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

**Recommended Vehicle Types & Position** ○ Recommended position







## **SMART** Flex

Smart Flex DL12

Smart Flex DL15+

AH24

Smart Flex AH51

AH37

DH06

Smart Flex DH51

DH37

Smart Flex DH52

Smart Flex TH31

Smart Flex AH35

Smart Flex DH35

DH07

About Hankoo

OE Supply

Product Overview

Smart Line

Ultra-Super Single

Smart Flex

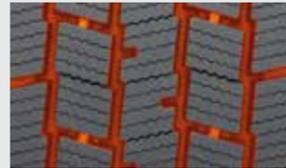
Smart Work

Smart City

Smart Touring

# SMART Flex DL12

Longer mileage and high traction tire for long & regional haul



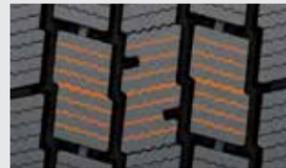
### 4-Channel Pattern With Zig-Zag Grooves and Deep Full Depth Grooves

Long original tread life with excellent traction throughout the tire's entire life.



### Combined Structure of Rib and Block Pattern

Provides stability, longer mileage, and better handling performance.



### Multi 3-Dimensional Kerf Design

Better traction that prevents tearing and irregular wear for long mileage.



#### Sizes & Specifications (Pattern Code: DL12)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3002142	11R22.5	14	T/L	8.25	105	105	6,175	5,840	42.0	11.3	9.6	28	497	19.6	75	135
3002143	11R22.5	16	T/L	8.25	120	120	6,610	6,005	42.0	11.3	9.6	28	496	19.6	75	135
3002144	11R24.5	14	T/L	8.25	105	105	6,610	6,005	44.0	11.3	9.6	28	475	20.6	75	139
3002145	11R24.5	16	T/L	8.25	120	120	7,160	6,610	44.0	11.3	9.6	28	473	20.6	75	139
3002140	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	42.0	11.3	9.6	28	495	19.7	75	131
3001874	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.7	11.4	9.6	28	511	19.0	75	127

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

Recommended Vehicle Types & Position Recommended position



# SMART Flex DL15+

Fuel efficient and optimized traction performance For long and regional haul

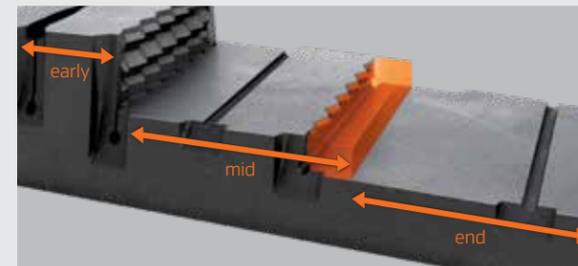


Approved for SmartWay & CARB



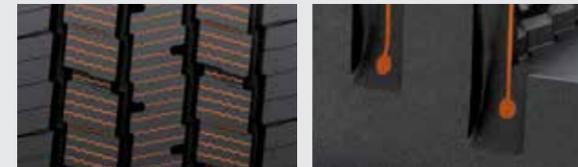
### Self-Regenerating Siping

Turns out as groove at the mid and latter stage of use and it keeps excellent traction until the end of wear.



### Bottom Round Edge Siping

Round at the end of sipe prevents crack and tearing.



#### Sizes & Specifications (Pattern Code: DL15+)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003870	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.6	11.6	9.6	25	512	19.0	75	128
3004004	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.7	11.0	9.6	25	501	19.4	75	133
3004005	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.7	11.0	9.6	25	501	19.4	75	133
3004024	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.9	11.4	9.6	25	478	20.2	75	138
3004025	11R24.5	16	T/L	8.25	120	120	7,160	6,610	43.9	11.4	9.6	25	478	20.2	75	138

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

Recommended Vehicle Types & Position Recommended position



# AH24

Longer mileage tire for medium haul



Approved for SmartWay & CARB

### Optimized Pattern Design for Medium Haul Tire

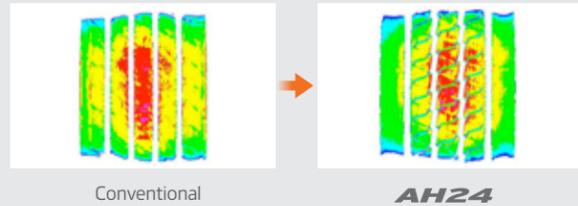


Combination of straight and zig-zag grooves provides better performance for traction and driving.

Unique tread design helps decrease stone retention. Deeper groove and wider tread provide longer tread life.

### Increased Durability & Foot Shape

AH24 shows better durability & foot shape  
Stable foot shape and expanded tread area



### Sizes & Specifications (Pattern Code: AH24)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3001472	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.7	11.0	8.8	22	496	19.5	75	124
3001786	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.7	11.0	8.8	22	495	19.5	75	124
3001787	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.7	11.3	8.8	22	474	20.3	75	130
3001788	11R24.5	16	T/L	8.25	120	120	7,160	6,610	43.7	11.3	8.8	22	473	20.3	75	130
3001628	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.6	11.3	8.8	22	495	19.6	75	121
3001630	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.4	11.4	8.8	22	510	18.9	75	115

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position

○ Recommended position



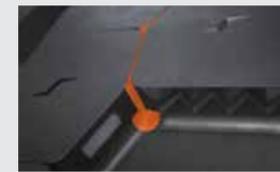
# SMART Flex AH51

Steer axle tire delivering premium performance in all conditions during the tire's long lifespan



### 3D Sipe

Full depth 3D sipes deliver excellent mileage and traction throughout the tire's lifespan due to reinforced interlocking tread blocks.



### Hidden Groove

These hidden grooves appear as the tire wears. This creates new water channels and gripping surfaces, giving better wet grip traction.



### Optimized Block Size

Wide tread blocks enhance the tire's rigidity and improve the mileage while delivering a low rolling resistance.



### Sizes & Specifications (Pattern Code: AH51)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
* 3004069	11R22.5	14	T/L	8.25	105	105	6,175	5,840	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
* 3004062	11R22.5	16	T/L	8.25	120	120	6,610	6,005	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
* 3004067	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
* 3004068	295/75R22.5	16	T/L	8.25	123	123	7,160	6,610	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3003836	385/65R22.5	20	T/L	11.75	131	-	9,920	-	42.2	14.9	12.1	18	488	19.6	68	157

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.  
\* Available Q2 2025

### Recommended Vehicle Types & Position

○ Recommended position



# AH37

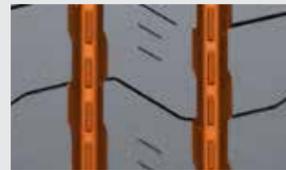
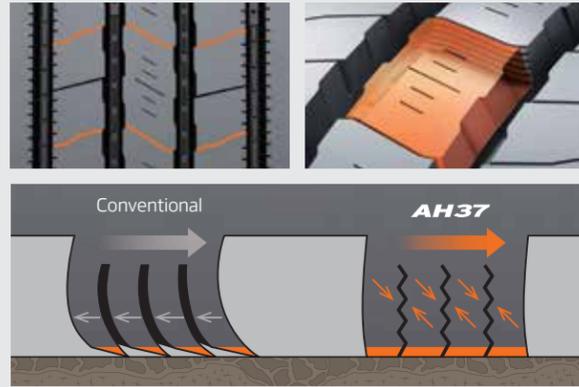
Regional tire for extreme mileage & fuel efficiency

**SMARTEC**  
HANKOOK TBR TECHNOLOGY

Approved for  
SmartWay & CARB

### 3D Kerf Technology

Better traction, increased mileage and controlled wearing with less irregular wear.



**Zig-Zag Traction Groove**  
Improves traction and braking performance by expanding the point of intersection through four zig zag grooves with 3D kerf.



### Sizes & Specifications (Pattern Code: AH37)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3002448	10R22.5	14	T/L	7.50	115	115	5,675	5,355	40.0	10.0	7.6	16	516	18.8	75	94
3002162	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.5	11.1	8.3	20	499	19.4	75	117
3002163	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.5	11.1	8.3	20	498	19.4	75	117
3002444	11R24.5	14	T/L	8.25	105	105	6,610	6,005	43.5	11.1	8.3	20	478	20.3	75	121
3002445	11R24.5	16	T/L	8.25	120	120	7,160	6,610	43.5	11.1	8.3	20	476	20.4	75	125
3002449	12R22.5	16	T/L	9.00	120	120	7,390	6,780	42.7	12.0	8.5	19	484	19.9	75	131
*3002450	255/70R22.5	16	T/L	7.50	120	120	5,510	5,070	36.7	9.9	7.8	18	560	17.2	75	91
3002452	275/70R22.5	18	T/L	8.25	131	131	6,940	6,395	37.9	11.0	8.9	19	545	17.6	75	106
3002447	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.5	11.3	8.3	20	498	19.4	75	116
3002446	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.3	11.4	8.3	20	513	18.8	75	109
3002512	295/75R22.5	16	T/L	8.25	120	120	6,610	6,005	40.3	11.4	8.3	20	512	18.8	75	108

• Use inflation pressure specifications dependent on load.  
• Tire construction and material specifications subject to change without notice or obligation.  
\* 3002450 is the only size M+S rated.

**Recommended Vehicle Types & Position** ○ Recommended position



# DH06

Longer mileage and high traction tire for medium haul

**UMS M+S**



### Zig-Zag Grooves and Open Shoulders

Zig-zag grooves and open shoulders provide the best performance for traction.



### Optimized Block

Optimized block size helps prevent irregular wear.



### Deeper Grooves and Wide Tread

Deeper grooves and wider tread provide longer tread life in all weather conditions.



### Sizes & Specifications (Pattern Code: DH06)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3000844	11R22.5	14	T/L	8.25	105	105	6,175	5,840	42.1	11.1	8.7	28	495	19.7	75	127
3001546	11R22.5	16	T/L	8.25	120	120	6,610	6,005	42.1	11.1	8.7	28	494	19.7	75	127
3001488	11R24.5	16	T/L	8.25	120	120	7,160	6,610	44.1	11.1	8.7	28	473	20.7	75	130
3001635	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.8	11.4	9.1	28	509	19.1	75	122

• Use inflation pressure specifications dependent on load.  
• Tire construction and material specifications subject to change without notice or obligation.

**Recommended Vehicle Types & Position** ○ Recommended position

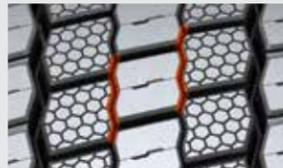


# SMART Flex DH51

Drive axle tire delivering premium performance in all conditions during the tire's long lifespan



**Hidden Groove**  
These hidden grooves appear as the tire wears. This creates new water channels and gripping surfaces giving better wet grip traction.



**Zig-Zag Groove**  
The center zig-zag grooves create a binding effect on each tread block contributing to better rolling resistance and traction.



### Sizes & Specifications (Pattern Code: DH51)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
* 3004099	11R22.5	14	T/L	8.25	105	105	6,175	5,840	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
* 3004100	11R22.5	16	T/L	8.25	120	120	6,610	6,005	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.  
\* Available Q3 2025

Recommended Vehicle Types & Position ○ Recommended position



# DH37

Regional haul drive tire for extreme mileage & traction



Approved for SmartWay & CARB



**Rib and Block Type Tread Design**  
Combination of rib and block type tread design and 3D kerfs provides better traction. Increased mileage, and reduced Irregular wear.



**Optimized Shoulder Design**  
Semi-open shoulder lug provides excellent traction in variable road conditions.



**Tie-Bar**  
Increased block stiffness that provides better handling performance.



### Sizes & Specifications (Pattern Code: DH37)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003276	10R22.5	14	T/L	7.50	115	115	5,675	5,355	40.4	9.9	7.5	22	514	19.0	75	103
3002164	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.9	11.3	8.7	26	496	19.6	75	127
3002165	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.9	11.3	8.7	26	495	19.6	75	127
3002491	11R24.5	16	T/L	8.25	120	120	7,160	6,610	44.0	11.1	8.7	26	472	20.6	75	134
3003184	255/70R22.5	16	T/L	7.50	120	120	5,510	5,070	36.9	9.9	8.2	23	558	17.3	75	97
3002494	285/75R24.5	14	T/L	8.25	110	110	6,175	5,675	41.9	11.3	8.7	26	494	19.7	75	126
3002493	295/75R22.5	14	T/L	8.25	110	110	6,175	5,675	40.7	11.4	8.7	26	509	19.0	75	119

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

Recommended Vehicle Types & Position ○ Recommended position



# SMART Flex DH52

Regional haul drive tire for extreme mileage & Traction during the tire's long lifespan



**Zig-Zag Grooves and Open Shoulders**  
Zig-zag grooves and open shoulders provide the best performance for traction.



**Optimized Block Design**  
Optimized block design for tire rigidity delivers low rolling resistance and helps prevent irregular wear.



**Heel & Toe Stopper**  
Heel & toe stopper in lateral grooves results in self-regenerating sipes which keep excellent traction performance until the end of wear.



New

### Sizes & Specifications (Pattern Code: DH52)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003924	11R22.5	14	T/L	8.25	105	105	6,175	5,840	41.9	11.1	8.9	27	499	19.6	75	130
3003925	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.9	11.1	8.9	27	499	19.6	75	130

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

Recommended Vehicle Types & Position Recommended position



# SMART Flex TH31

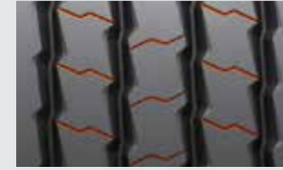
All-season tire for variable road conditions



**Main Zig-Zag Groove**  
Provides excellent traction and water drainage under various road conditions.



**Groove Slant Design**  
Slanted groove design helps to prevent chunking.



**Lateral Semi-Groove**  
Lateral groove helps improve initial traction performance.



### Sizes & Specifications (Pattern Code: TH31)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003528	255/70R22.5	16	T/L	7.50	120	120	5,510	5,070	36.6	9.8	8.0	17	562	17.1	75	91
3003744	215/75R17.5	16	T/L	6.00	123	123	4,805	4,540	30.5	8.4	7.3	15	672	14.2	65	64
3003745	235/75R17.5	18	T/L	6.75	127	127	6,005	5,675	31.5	9.4	8.6	16	653	14.5	65	69
3003746	245/70R17.5	18	T/L	7.50	127	127	6,005	5,675	31.5	9.8	8.6	16	650	14.5	65	69
3003747	750R16	14	T/L	6.00	110	110	3,415	3,000	31.8	8.9	5.9	15	648	14.9	65	56

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.  
\* 4 Grooves: 255/70R22.5 only, not 3PM5F

Recommended Vehicle Types & Position Recommended position



# SMART Flex AH35

New all-season tire designed for variable road conditions



# SMART Flex DH35

New all-season tire designed for variable road conditions



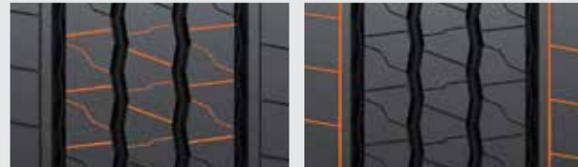
### Wide Tread Width

Wide tread width offers high contact volume which results into a high mileage performance.



### Special Tread Pattern Design with Semi-Sipes

Special tread pattern design with semi-sipes ensures even wear throughout the tire's lifespan.



### Multi 3D Sipes

The special tread pattern design with multi 3-dimensional sipes offers low rolling resistance and outstanding traction.



### Innovative Rib Type Tread Pattern Design

Special tread pattern design for low rolling resistance and excellent traction performance across multi applications.



### Sizes & Specifications (Pattern Code: AH35)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003890	215/75R17.5	16	T/L	6.00	125	125	4,805	4,540	30.5	8.5	7.4	16	681	14.1	62	64
3003268	235/75R17.5	16	T/L	6.75	110	110	4,410	4,190	31.4	9.4	8.4	15	660	14.6	75	66
3002622	225/70R19.5	14	T/L	6.75	110	110	3,970	3,750	32.2	8.9	7.4	17	640	15.0	87	64
3002623	245/70R19.5	14	T/L	7.50	110	110	4,540	4,300	33.3	9.8	8.0	17	622	15.5	81	75
3002624	245/70R19.5	16	T/L	7.50	120	120	5,070	4,850	33.3	9.8	8.0	17	619	15.5	81	75
3002635	265/70R19.5	14	T/L	7.50	110	110	5,510	5,205	34.3	10.1	8.7	17	604	15.8	81	85

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position



### Sizes & Specifications (Pattern Code: DH35)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3003611	225/70R19.5	14	T/L	6.75	110	110	3,970	3,750	32.2	8.8	7.2	17	640	15.1	87	64
3002699	245/70R19.5	14	T/L	7.50	110	110	4,940	4,675	33.2	9.9	8.8	17	623	15.4	81	76
3003716	245/70R19.5	16	T/L	7.50	120	120	5,070	4,850	33.2	9.9	8.8	17	622	15.5	81	77
3002700	265/70R19.5	14	T/L	7.50	110	110	5,070	4,675	34.3	10.2	9.3	16	607	15.8	81	86

• Use inflation pressure specifications dependant on load.  
• Tire construction and material specifications subject to change without notice or obligation.

### Recommended Vehicle Types & Position







## **SMART** Work

Smart Work AM09(+)

Smart Work DM09

DM04

AH32

Smart Work AM15(+)

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Smart Line

Ultra-Super Single

Smart Flex

**Smart Work**

Smart City

Smart Touring

# SMART Work AM09(+)

New all-position tire for mixed usage and enhanced on/off road performance



**Polygonal blocks and zig-zag grooves**  
Ensure an excellent traction and braking performance both on site and on the road.



**Extra wide tread pattern**  
The extra wide tread pattern with a closed shoulder design and integrated lugs supplies driving stability and a prolonged tread life.



**Stone ejectors**  
Ensure grooves are kept clear at all times by using an additional rubber material to force unwanted debris out.

### Sizes & Specifications (Pattern Code: AM09)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
* 3002557	11R24.5	16	T/L	8.25	120	120	7,160	6,610	43.7	11.3	8.8	24	472	20.2	65	131
3002698	12R22.5	16	T/L	9.00	120	120	7,390	6,780	42.9	12.0	9.2	24	483	20.0	65	137
3002703	11R22.5	16	T/L	8.25	120	120	6,610	6,005	41.7	11.3	8.8	24	494	19.5	68	125
* 3003590	255/70R22.5	16	T/L	7.50	120	120	5,510	5,070	36.7	9.9	8.3	19	559	16.9	75	95

### Sizes & Specifications (Pattern Code: AM09+)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3002789	315/80R22.5	20	T/L	9.00	130	130	10,000	9,090	42.6	12.5	10.4	22	485	19.6	65	151

\* 4 Grooves: 315/80R22.5 AM09+ only  
 • Use inflation pressure specifications dependant on load.  
 • Tire construction and material specifications subject to change without notice or obligation.  
 \* not 3PMSF

Recommended Vehicle Types & Position ○ Recommended position



# SMART Work DM09

Polygonal blocks and aggressive groove design for toughness on site and stability on the road.



**Directional Pattern**  
The directional pattern is adopted for excellent handling meaning better traction performance is provided even in wet and muddy conditions.



**Interblock Tie-Bar**  
The interblock tie-bar at the center guarantees outstanding straight driving performance and impact dispersion for blocks, thereby improving durability.



**Lateral Asymmetrical Grooves**  
Regularly misaligned lateral grooves help to prevent impact burst.

### Sizes & Specifications (Pattern Code: DM09)

S-Code	Size	Ply Rating	Type	Measuring Rim	Max. Air (PSI)		Max. Load (LBS)		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					S	D	S	D								
3002891	11R22.5	16	T/L	8.25	120	120	6,610	6,005	42.2	11.2	9.6	30	493	19.8	68	135
3003591	11R24.5	16	T/L	8.25	120	120	7,160	6,610	44.0	11.3	9.6	29	471	20.7	65	143
3003394	315/80R22.5	20	T/L	9.00	130	130	9,090	8,270	43.0	12.6	10.7	27	482	19.9	68	161

• Use inflation pressure specifications dependant on load.  
 • Tire construction and material specifications subject to change without notice or obligation.

Recommended Vehicle Types & Position ○ Recommended position



# DMO4

Drive tire for off-road conditions



### Aggressive lug tread pattern

Aggressive lug tread pattern with open shoulder enhances powerful grip and improves self-cleaning capability.



### Massive tread blocks

Massive tread blocks and specific tread compound offer superb resistance against cuts and penetrations.



### Four-belt construction

Robust four-belt construction with a specific protection layer delivers extra-long casing life.



#### Sizes & Specifications (Pattern Code: DMO4)

S-Code	Size	Ply Rating	Type	Measuring Rim	Tire Single		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)	
					Max. Air (PSI)	Max. Load (LBS)									
* 3000140	11R22.5	16	T/L	8.25 120	120	6,610	6,005	42.3	11.1	8.7	31	490	19.8	65	135
3000920	11R24.5	16	T/L	8.25 120	120	7,160	6,610	44.1	11.1	8.5	29	471	20.6	65	136

- Use inflation pressure specifications dependant on load.
- Tire construction and material specifications subject to change without notice or obligation.
- **M+S 3000140 only**

#### Recommended Vehicle Types & Position ○ Recommended position



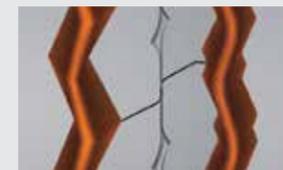
# AH32

All-position tire for regional haul conditions



### Optimised Rib Width

Improved mileage performance.



### Asymmetric Groove Angle

Prevent stone retention.



### Shoulder Lug

Improved chip-cut performance at shoulder.



#### Sizes & Specifications (Pattern Code: AH32)

S-Code	Size	Ply Rating	Type	Measuring Rim	Tire Single		Overall Diameter	Section Width	Tread Width	Tread Depth	Revs/ Mile	SLR (Inch)	Max Speed	Weight (lbs)
					Max. Air (PSI)	Max. Load (LBS)								
3003169	385/65R22.5	18	T/L	11.75	120	9,370	42.6	15.1	12.1	21	481	19.8	75	171
3003520	425/65R22.5	20	T/L	12.25	120	11,400	44.5	16.3	12.3	20	463	20.4	75	189

- Use inflation pressure specifications dependant on load.
- Tire construction and material specifications subject to change without notice or obligation.

#### Recommended Vehicle Types & Position ○ Recommended position







**SMART** City

Smart City AU04

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# **SMART** *Touring*

Smart Touring AL22

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**Smart Touring**



## Basic Tire Knowledge

### Basic Tire Knowledge Definitions

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

$$\text{Aspect Ratio(Series)} = \frac{\text{Section Height}}{\text{Section Width}} \times 100$$

### TBR 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	295/75R22.5 149/146L
<b>295</b>	Tire section width (mm)
<b>75</b>	75 Aspect ratio [(section height / section width) x100]
<b>R</b>	R Radial structure
<b>22.5</b>	22.5 Rim diameter (inch)
<b>149</b>	149 Max. load index when mounting single wheels (7,165lbs)
<b>146</b>	146 Max. load index when mounting dual wheels (6,615lbs)
<b>L</b>	L Tire max. driving speed symbol (75mpm)

\* For example purposes

### Speed Symbols [km/h and mph]

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

### Conversion of load index (LI) into load capacities per tire

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			

## Truck Tire Markings

All truck tires 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 Hankook tire that illustrates ISO markings.

- 1 **Brand Name:** Manufacturer name of the tire.
- 2 **E-mark and Number:** It means the tire is certified in Europe. In addition, KS, UTQG, CCC, NORM, etc. are engraved to signify the certification of each country.
- 3 **Regroovable:** It denotes the tire is available to use 50% more tread by cutting main groove deeper. It is only done by tire service professionals.
- 4 **Tubeless:** This tire is tubeless structure. (tires composed of a tube have "Tubetype" marking)
- 5 **Radial tire:** 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 tire.
- 7 **Load & Inflation Pressure:** Tire 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 level of tread wear which must be conformed.
- 9 **DOT Code:** This is a code required by the Department of Transport (DOT) which certifies the tire manufacturer's compliance with DOT tire safety standards. The last four digits indicates the date of manufacture of the tire. For example, a tire of DOT ending with 0122 was produced in the 1st week of 2022.
- 10 **Tire Size:** Tire size which shows tire section width (mm), aspect ratio, rim inch.
- 11 **Safety Warning:** Critical information customers should know for safety.



## Important Safety Warning

Disregarding any of the safety precautions and instructions contained in this information sheet may result in tire 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 tire air pressure periodically.
- Inspect tire for uneven treadwear, cracks, bulges or any sign of foreign material or trauma.
- Remember to check your tire load carrying capacity and speed ratings.
- Check your tire life. Tires must be replaced when tread is worn down to 2/32nd
- Never overload your vehicle; check tire load carrying capacity or vehicle owner's manual for the maximum recommended load.

### TIRE INFLATION PRESSURE

**Warning :** Under-inflated and/or overloaded tires pose a safety risk.

A tire can lose up to half of its air pressure and not appear to be flat. It is very common to have under-inflated tires.

Results of a tire pressure survey conducted by RMA (Rubber Manufacturers Association) show:

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

**Under-Inflation :** Under-inflated (or tire over-loading) leads to tire failures, which often results in serious personal injury or death.

Among the mode of tire failures are tread/belt separations, sidewall flex breaks and crack formation. Tires run hotter when under-inflated which can lead or contribute to tire failure. Under-inflated tires also adversely affect fuel economy, tire wear and vehicle handling.

**Proper Inflation :** Proper tire inflation is essential for optimum performance and longevity of the tire. A US Department of Energy study shows that "properly inflated tires can improve fuel efficiency by 3.3%". So, what is the proper inflation for my tires and where can I find it? For original equipment tires or replacement tires 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 tire. The inflation pressure shown on the sidewall of the tire is the maximum inflation pressure.

**Check Tire Inflation Pressure Regularly :** Tire inflation pressure must be checked at least once a month and before every long trip.

The tire air pressure must be checked when the tires are cold, before driving.

At all times visually check tires for nails or other objects embedded in the tread which can cause an air leak.

Always use caution when bleeding air from hot tires to eliminate burns.

### TIRE DAMAGE

Inspect your tires 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 tire without being visible to the outside. If you have any doubt that a tire has been damaged from hitting a pothole, curb or debris on the road, tires 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.

### TIRE LOAD

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

### SPEED

When replacing Tires, consult the placard or the owner's manual for correct size and speed rating. The speed rating of the replacement Tires must be equal to or greater than the speed rating of the tire 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 tire 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-54 test (Economic council for Europe : Procedure Load / Speed Performance Test For tires). These symbols are not applicable to the repaired tires.

Category	Maximum Speed		Category	Maximum Speed	
G	90 km/h	55 mph	M	130 km/h	80 mph
J	100 km/h	62 mph	N	140 km/h	87 mph
K	110 km/h	69 mph	P	150 km/h	94 mph
L	120 km/h	74 mph	O	160 km/h	100 mph

### CHECK TIRE LIFE

Tires have six built-in treadwear indicators that warn when it is time to replace tires. These indicators are raised ribs 2/32nd 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 tires immediately.

### TIRE MOUNTING

Tire 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 tire / rim assembly due to improper mounting. A tire bead diameter must always match the diameter of the rim on which it is being mounted. When inflating /dismounting RV tires, approved OHS safety cages must be used. Never stand, lean or reach over the assembly while inflating tires.

### TIRE ROTATION

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

### TIRE REPAIR

Make sure any repair shall be done by a specially trained person who knows proper repair and inspection procedure. Never repair tires worn below the treadwear indicators (2/32nd 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 tire's internal structural damage may occur during the service, even if the tire was properly repaired.

### ADDITIONAL INFORMATION OR CUSTOMER SERVICE

If you have any questions on additional technical information, contact the Hankook Tire Technical Department.

#### Hankook Tire Global Headquarters

286, Pangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea Tel : 031-5178-7000  
www.hankooktire.com

**WARRANTY TERMS**

This limited warranty applies to the original purchaser of any new truck and bus tire manufactured by Hankook Tire and Technology bearing Department of Transportation prescribed tire identification numbers. Eligible tires shall be used on the vehicle on which they were originally installed according to the vehicle manufacturer's or Hankook's recommendation. This warranty applies if all following qualification requirements are met:

1. The tire was purchased after January 1, 2025.
2. The tire is a size, load rating and speed rating equal to or greater than that recommended by the vehicle manufacturer.
3. The tire has not become unserviceable due to a condition listed under WHAT IS NOT COVERED

**WHAT IS WARRANTED AND FOR HOW LONG**

Should any tire covered by this limited warranty become unusable due to a workmanship or material related condition during its usable tread life (more than 2/32nds remaining tread), Hankook will give a credit on the following conditions:

1. During the first 2/32nds of the original usable tread and within one year: Tire will be replaced with a comparable new Hankook produced tire free of charge. Applicable taxes on the new tire and cost of mounting, balancing and any other charges in connection with the replacement of the tire are required to be paid by the owner.
2. After the first 2/32nds of the original usable tread or after one year from date of purchase, whichever occurs first: The amount of the credit will be determined by multiplying the Dealer's current selling price for the same tire (excluding taxes) by the percentage of tread remaining, based on the original tread depth.
3. Free replacement workmanship warranty is not applicable to snow tires.

**WHAT IS NOT COVERED**

This limited warranty does not apply to tires which are being serviced under the following conditions:

- » Originally purchased outside of the United States or Puerto Rico.
- » Willful Abuse / Collision / Wreck / Fire.
- » Continued use while flat or severe under/over inflation.
- » Road Hazards including (without limitation), puncture, cut, impact break, stone drill, bruise, bulge, snag, collision.
- » Premature/irregular wear from (without limitation): vehicle mechanical reason, and/or improper maintenance.
- » Conditions resulting from (without limitation), improper mounting/demounting, under inflation, improper tire size, improper repair, defect in vehicle, abuse.
- » Ride disturbance complaints after 2/32nds tread wear or 1 year from date of purchase, whichever occurs first.
- » With 2/32nds or less of remaining tread depth.
- » With the serial/DOT number cut or buffed.
- » Racing and Misapplication.
- » Tires 6 years or older from the date of manufacture or 6 years or older from the date of purchase.
- » Loss of time or use, inconvenience or any incidental or consequential damage.
- » Tires worn beyond original full tread depth will not have FET reimbursed.

- » Tires with minor cosmetic weather/ozone cracking.
- » Ozone or weather cracking on tires over four (4) years old from the date of manufacture.
- » Note: Consequential damage mentioned above may not apply to you based on States limitation.

**OWNER'S GENERAL OBLIGATION**

In order to be eligible for HANKOOK's limited warranty program, the owner must observe the following:

- » Present the tire to an authorized Hankook dealer in the United States of America or Puerto Rico.
- » Submit or present a copy of the original purchase receipt.
- » Sign a completed Hankook Claim Form filled by any authorized dealer.
- » If the tire owner abuses the tires and/or fails to do the following (but not limited to): observing safety warnings, maintaining proper inflation pressure, maintain vehicle alignment, expected tire performance and/or life may not be achieved and safety cannot be ensured.
- » Tires presented for a warranty claim remain the property of the consumer, and Hankook bears no responsibility for lost or damaged tires which are in the possession or control of any dealer. Should a claim be disputed, the consumer must make the tire available for further inspection.

**RETREAD ALLOWANCE**

Tread Depth Remaining (Inches)	Total Allowance Retreaded Tires (Retread Allowance + Casing Allowance)
More than 14/32	\$45.00 + Casing Allowance
8/32 to 14/32	\$30.00 + Casing Allowance
Less than 8/32	Casing Allowance Only

- » For 19.5 inches or smaller sizes, only casing allowances warranted.
- » Tires used in mining and logging service are not covered under this warranty.

**CASING WARRANTY**

1. Casing of Hankook steel radial truck & bus tires are warranted when tire becomes unserviceable or unretreadable due to factors within manufacturer's condition, Hankook will provide predetermined casing allowance.
2. Casing warranty is valid through the 2nd retreaded life for six (6) years from the date of manufacture. (AL52, AL21, AL50, DL15+, DL21, TL21, DL52 casing warranty is valid through unlimited retreads for seven (7) years from the date of manufacture).
3. e<sup>3</sup> Wide (DL07, TL07, TL21, DL12, DL21) casing warranty valid through the 3<sup>rd</sup> retread for six (6) years from date of manufacture.
4. Tires used in mining & logging service are not covered under this warranty.
5. Casing & retreading allowance in the following section.
6. Casings with ozone or weather cracking that are over 4 years old from date of manufacture, are not covered under this warranty

**CASING ALLOWANCE**

Category	Size	No of Retread				Remark
		Never	1st	2nd	3rd	
Premium Pattern :	295/60R22.5 295/75R22.5	\$130	\$110	\$90	\$70	Casing value will be same after 3rd times retread
AL52, AL21 AL50, DL15+ DL21, TL21, DL11, DL52	285/75R24.5 11R22.5 11R24.5					
e <sup>3</sup> Wide Pattern:	445/50R22.5					
DL07, TL07, TL21, DL12, DL21		\$150	\$120	\$90	\$70	
Normal	11R22.5 11R24.5	\$110	\$90	\$70	-	
	255/70R22.5 275/70R22.5					
	295/75R22.5 305/70R22.5					
	315/80R22.5 285/75R24.5					
	385/65R22.5 425/65R22.5					
9.00R20 10.00R20 11.00R20 12.00R20	12.00R24 10R22.5 12R22.5	\$90	\$80	\$70	-	
215/75R22.5 235/75R22.5 8R19.5	225/70R19.5 245/70R19.5 265/70R19.5	\$60	\$40	\$30	-	

**DISCLAIMER**

THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND HANKOOK EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SOME U.S. STATES AND/OR CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS IN THE DURATION OF AN IMPLIED WARRANTY, SO THE ABOVE MAY NOT APPLY TO YOU.

TO THE EXTENT PERMITTED BY LAW, HANKOOK DISCLAIMS LIABILITY FOR ALL CONSEQUENTIAL AND INCIDENTAL DAMAGES.

THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY.

Some U.S. States and/or Canadian provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from U.S. State or Canadian province to province.

• THIS IS THE ONLY EXPRESS WARRANTY MADE BY HANKOOK. NO HANKOOK EMPLOYEE, RETAILER, OR DEALER HAS THE AUTHORITY TO MAKE ANY WARRANTY, REPRESENTATION, PROMISE OR AGREEMENT ON BEHALF OF HANKOOK EXCEPT AS EXPRESSLY WRITTEN IN THIS TOTAL WARRANTY. IN OBSERVANCE OF U.S. FEDERAL LAW, THIS WARRANTY HAS BEEN DESIGNATED A "LIMITED WARRANTY."

**ADDITIONAL INFORMATION OR CUSTOMER SERVICE**

If you have any question on product warranty, please first contact your nearest Hankook Tire Dealer. For dealer information, or if your question has not been handled to your satisfaction, contact the Hankook Tire Technical Department.

HANKOOK TIRE AMERICA CORPORATION  
1-800-HANKOOK  
333 Commerce St. Suite 600 Nashville, TN 37201

For warranty information, please visit [hankooktire.com/us](http://hankooktire.com/us) or call 1-800-HANKOOK , option 1 for Technical Dept.

