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HAIAN GROUP

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PRODUCT MANUAL

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Haian Rubber Group Co., Ltd.

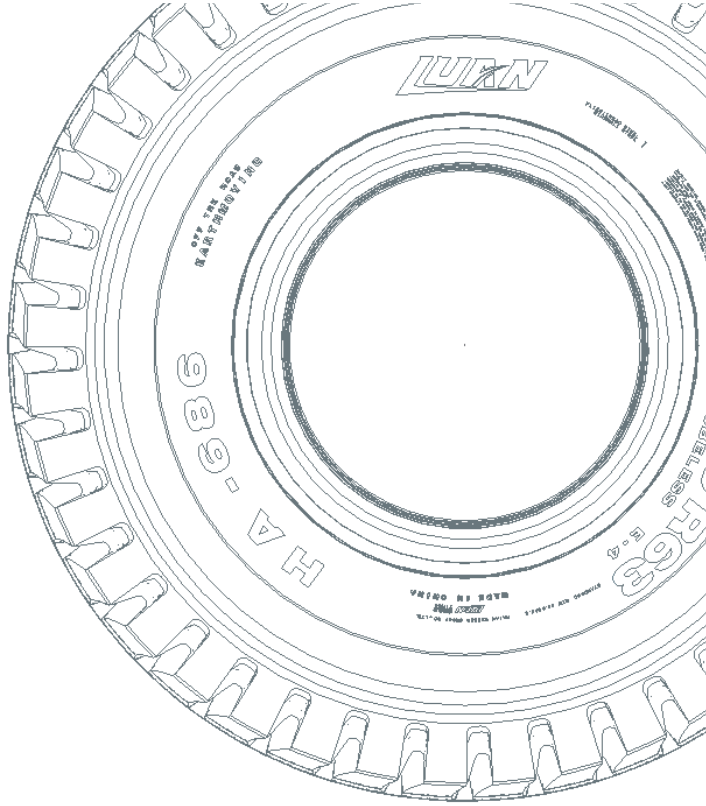
Pioneer of Giant All-Steel Radial OTR Tires in China

Product Manual



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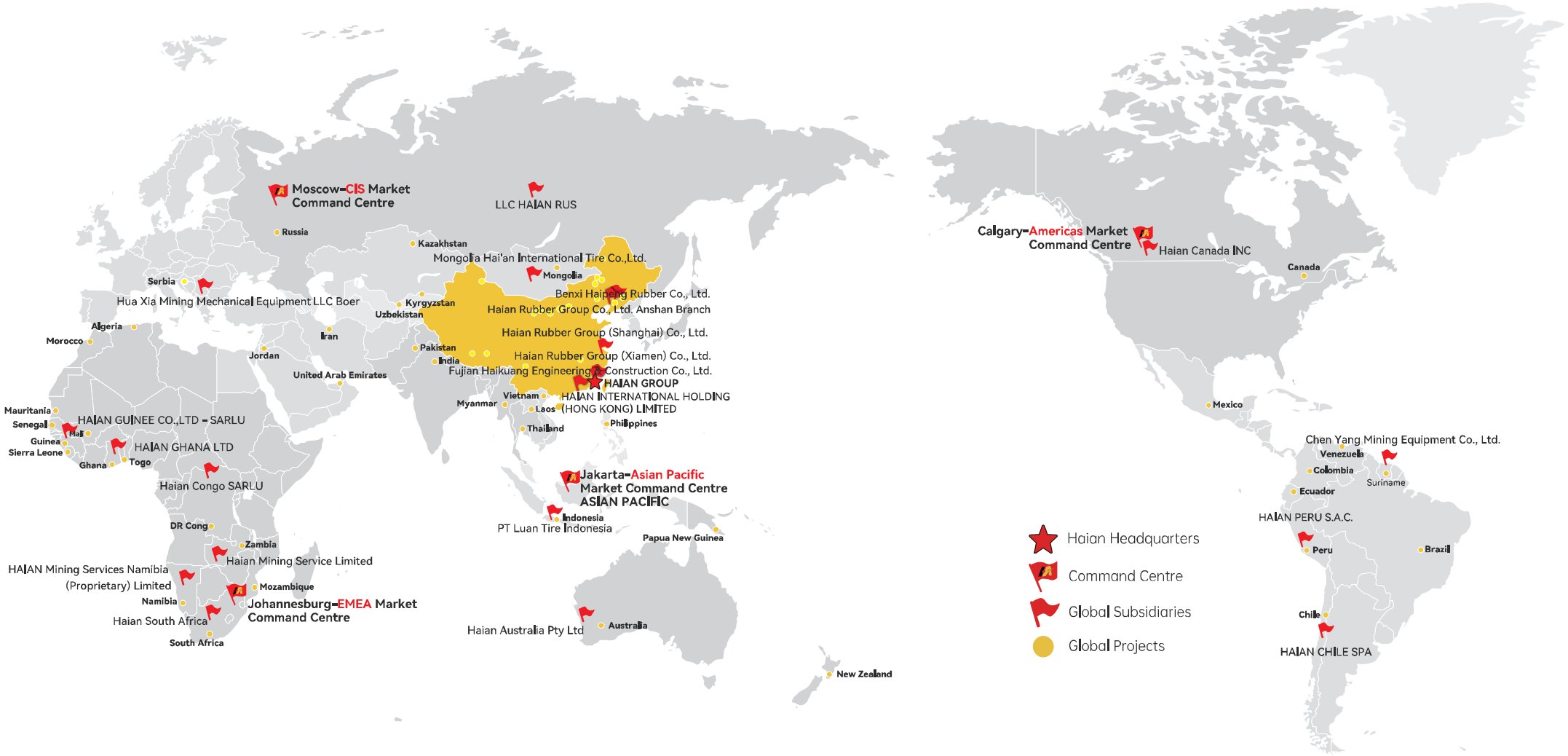
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海安集团
HAIAN GROUP

Trusted Global Mining Integrated Solutions Expert



HAIAN GROUP

Corporate Profile



Haian Rubber Group Co., Ltd.

Haian Rubber Group Co., Ltd. (formerly Fujian Haian Rubber Co., Ltd.) was established in December 2005. As a manufacturer of giant all-steel OTR radial tires, it integrates R&D, manufacturing, sales, and mining tire operation management service. The Group's headquarters is located in Putian City, Fujian Province, with over a dozen branches and subsidiaries at home and abroad. Among them, Fujian Haikuang Engineering Construction Co., Ltd. specializes in professional maintenance of mining trucks and earthwork projects, while some other subsidiaries undertake turnkey contract operation management of tire cost quotas for mining clients or engage in giant tire sales, and have made significant contributions to achieving cost reduction and efficiency gains, ensuring the safety and controllability of tire supply chains, improving the operating rate of mining vehicles for dozens of large and extra-large domestic and overseas mining enterprises—including central state-owned enterprises (CSOEs), local state-owned enterprises (SOEs), and more. These efforts have earned the group wide praise and trust from customers.

Guided by technological innovation as its core driving force, Haian Group has consistently led the industry in groundbreaking advancements. In 2008, the company independently developed the 37.00R57 all-steel radial giant OTR tire, which was certified by the China Petroleum and Chemical Industry Federation as filling a critical domestic technological gap. This innovation resolved the long-standing "bottleneck" issue plaguing mining enterprises, achieved import substitution, was hailed by some authoritative media as "China's First Tire". It further secured the Second Prize of the Science and Technology Progress Award from the China Petroleum and Chemical Industry Federation in 2011. In 2015, Haian Group overcame technical challenges to produce the world's largest all-steel giant tire—4.02 meters in diameter and weighing approximately 6 tons per unit—positioning China as the third nation globally capable of manufacturing such tires [1] . This milestone earned the product the First Prize of the Science and Technology Progress Award from the same federation. With its robust product capabilities, Haian achieved a "zero breakthrough" in exports of nationally branded all-steel giant tires, and now the Luan tire is distributed to dozens of countries and regions.



Over years of development, Haian Group has crafted a scenario-specific product matrix covering specifications from 90 to 400 tons, catering to diverse operational needs of mining fleets. Its sales and service networks span hundreds of large-scale mines globally. According to industry reports, the group ranks #1 in terms of scale in China and #4 globally in the giant tire segment, trailing only three international giants [2] , and is a core representative of Chinese giant tire brands expanding internationally.

Adhering to the development philosophy of "Science and technology are the primary productive force," Haian Group has consistently increased R&D investments and perfected its innovation ecosystem. It has established a National Postdoctoral Programme and Provincial Enterprise Technology Centre. The group has deepened collaborative research partnerships with universities, research institutions, and professional organizations, advancing the integration of industry, academia, and research to greater depths. To date, the company has accumulated over 90 patents. Contributed to the formulation of dozens of national, industry, and association standards, and earned honors including National High-Tech Enterprise, National Key "Little Giant" Enterprise (Specialised, Refined, Differential, and Innovative), Demonstration Enterprise for Service-Oriented Manufacturing, Top 100 Chinese Industrial Enterprises in Brand Competitiveness, National Leading Enterprise in Quality for the Chemical Industry, First Batch of Green Factories in Fujian Province, etc. These achievements reflect the continuous rise in Haian's brand strength and industry influence.

1 Data source and conclusion source: China Petroleum and Chemical Industry Federation, scientific and technological achievement appraisal dated 13 November 2019.
2 Data source: Frost & Sullivan, Giant All-Steel Radial Engineering Tire Industry Research Report (published June 2024; ranking data cited according to the 2022/2024 statistical years).

"Building a Conscience-Driven Brand, Empowering Mining Enterprises"has been Haian Group's enduring mission. Recognizing its growth potential, strategic investors including Zijin Mining, Shandong Energy, and Jiangxi Copper—all Fortune Global 500 enterprises—have made significant equity investments, creating a robust shareholder ecosystem.

On November 25, 2025, Haian Group (001233) successfully debuted on the Shenzhen Stock Exchange Main Board, marking a groundbreaking milestone in its capital market journey.

Moving forward, we will advance our global strategic footprint with renewed momentum, empowering the global mining sector through China's high-tech manufacturing prowess to achieve green and high-quality development. Together with partners across industries and sectors, we aim to jointly shape a sustainable and prosperous future for global mining.

2005
Specialising in Giant Tire Manufacturing

90+
Valid Patents

40+
Years of industry experience

NO.1
Self-developed and manufactured China's first all-steel giant OTR tire

100+
Service terminals worldwide

30+
Wholly-owned subsidiaries and project divisions



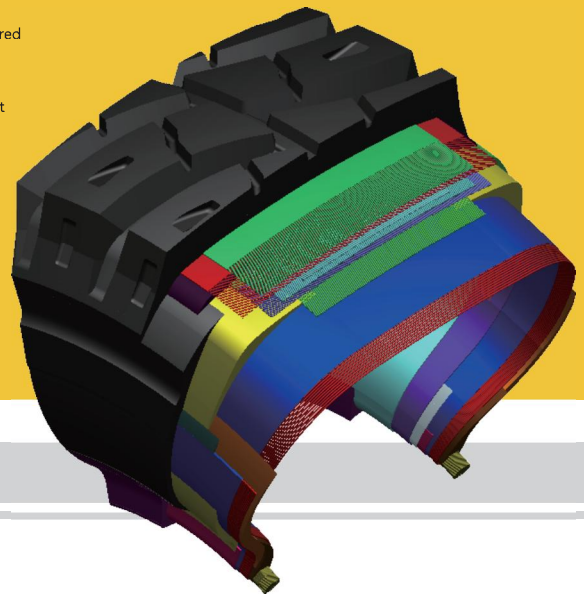


OTR

OTR

5D-SHIELD, BUILT FOR HARSH TERRAINS

5D Armor-Shield Technology: Like forging multi-tiered protective armor for giant tires. Powered by the 5D Integrated Technology Matrix, it delivers five core performance breakthroughs: Impact Resistance, Cut Resistance, Wear Resistance, Low Heat Generation, and High Load Capacity. Effortlessly conquer the world's harshest mining conditions, from abrasive gravel and frozen tundra to extreme heavy-load impacts.



New Material: Bio-based Ultra-aggregated Natural Rubber

Non-rubber Precise Regulation | Low-temp Rapid Drying | Micro-shear Rapid Forming | Original Ecological Molecular Structure

New Structure: Cable-type Bead Core

Robust & Tough | Reduced Heat Build-up | Lighter Weight | Enhanced Safety & Stability

New Technique: Wet-Masterbatch Technology

20% Lower Hysteresis | 25% Higher Tear Strength | 70% Slower Crack Propagation | 50% Shorter Mixing Time | 15%+ Longer Product Lifespan

New Tread Pattern: 918 Super-Deep Tread Pattern

Ultra-deep Grooves | Accelerated Heat Dissipation | Crack & Detachment Resistance | Superior Load Capacity

New Process: Finite Element Simulation Technology (FEA)

High-precision Modeling | Integrated Platform Verification | Six-dimensional Performance Breakthroughs

Tread Pattern Designs

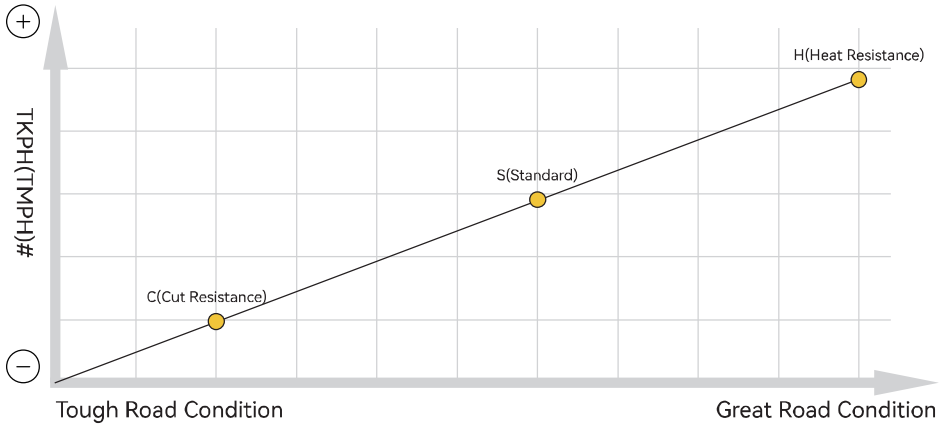


HA-162 HA-163 HA-168 HA-368 HA-566 HA-618 HA-668 HA-686



HA-688 HA-710 HA-712 HA-718 HA-738 HA-860 HA-918 HA-993

Compound Characteristics



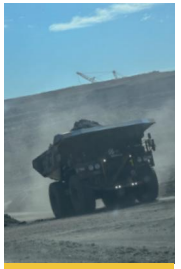
Suitable Road Condition



Rocky



Muddy



Mixed



Good



Great

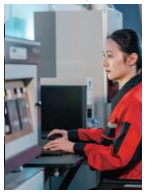
TTM

Total Tire Management

Haian Group's Total Tire Management System spans the complete closed loop of all-steel giant OTR tires — from tailored development through end-of-life regeneration — driving a dual transformation: shifting costs from "fixed expenditure" to "variable cost," and management from "fragmented investment" to "professional delegation." Through operational services, Haian redefines procurement logic; through professional expertise, Haian delivers on its value promise. With end-to-end professional operational capabilities, Haian empowers customers to reduce procurement costs and enhance operational efficiency, enabling mines to achieve sustainable, stable, and efficient operations.



Tailored Development



In-depth assessment of mine operating conditions to develop customized tread patterns,structures, and compounds tailored to giant OTR tires, ensuring safety and durability from the source.

Global Delivery



Leveraging large-scale giant tire production capacity and a globalized supply system to enable remote inventory monitoring and efficient delivery, reducing customers' inventory costs.

On-Site Services



Professional technical team providing 7×24 on-site support, delivering technical training and real-time management, with services spanning the entire lifecycle from tire usage and maintenance to retirement and recycling.

Data Operations



Proprietary development of the Tire Data Management System (TDMS) and Intelligent Tire Monitoring System (ITMS) to establish a data foundation for precise monitoring and maximize tire service life.

Circular Regeneration



Providing closed-loop solutions for giant tire repair, retreading, and end-of-life recycling, practicing green mining principles and achieving resource circularity.

Iterative Innovation



Feeding full-lifecycle tire operation data back to R&D to drive optimization of tread patterns, structures, and compounds, enabling continuous product iteration and upgrades.

Advantages of Total Tire Management (TTM)

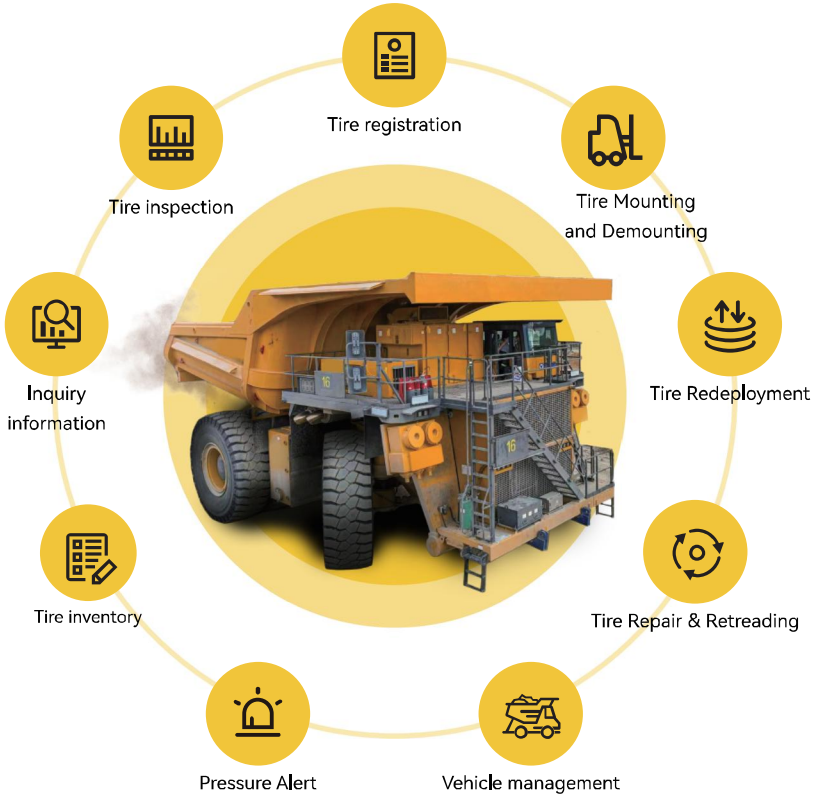
- Reduce tire consumption costs
- Reduce tire operating costs
- Safety Incident Prevention
- Improve management efficiency

What are ITMS Smart Tires?

Tires equipped with embedded sensors transmit pressure and temperature data via repeaters to the host system. The information is uploaded to the cloud server and displayed on the in-cabin monitor. Statistical reports can be generated and sent to users upon request.



Haian TTM works with you



Tire Technical Specifications

14.00R25



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-168	★★★	E-3	TT/TL	mm	27	382	1385	638	432	450	10.00/2.0	10.00/1.5	113
				inches	1.06	15.04	54.53	25.12	17.01	17.72			
HA-710	★★★	E-4	TT/TL	mm	36	385	1415	652	430	456	10.00/2.0	10.00/1.5	104
				inches	1.42	15.16	55.71	25.67	16.93	17.95			
HA-718	★★★	E-4	TT/TL	mm	36	385	1415	648	432	456	10.00/2.0	10.00/1.5	106
				inches	1.42	15.16	55.71	25.51	17.01	17.95			

16.00R25



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-168	★★★	E-3	TT/TL	mm	32	440	1510	700	490	518	11.25/2.0		115
				inches	1.26	17.32	59.45	27.56	19.29	20.39			
HA-710	★★★	E-4	TT/TL	mm	42	440	1536	713	490	518	11.25/2.0		105
				inches	1.65	17.32	60.47	28.07	19.29	20.39			
HA-718	★★★	E-4	TT/TL	mm	42	440	1536	713	492	518	11.25/2.0		108
				inches	1.65	17.32	60.47	28.07	19.37	20.39			

480/95R29



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-718	★★★	E-4	TT/TL	mm	43	490	1665	785	540	585	13.00/2.5		125
				inches	1.69	19.3	65.55	30.91	21.26	23.03			

505/95R29



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-618	★★★	E-3	TT/TL	mm	31	525	1728	816	580	625	13.00/2.5		150
				inches	1.22	20.67	68.03	32.13	22.83	24.61			
HA-718	★★★	E-4	TT/TL	mm	43	525	1752	829	580	625	13.00/2.5		145
				inches	1.69	20.67	68.98	32.64	22.83	24.61			

530/95R29



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-618	★★★	E-3	TT/TL	mm	31	540	1732	819	582	635	13.00/2.5		155
				inches	1.22	21.26	68.19	32.24	22.91	25			
HA-718	★★★	E-4	TT/TL	mm	43	540	1758	832	582	635	13.00/2.5		147
				inches	1.69	21.26	69.21	32.76	22.91	25			

Tire Technical Specifications

27.00R49



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-162	★★	E-4	TL	mm	82	740	2690	1228	868	895	19.50/4.0		500
				inches	3.23	29.13	105.91	48.35	34.17	35.24			
HA-710	★★	E-4	TL	mm	82	740	2690	1228	868	895	19.50/4.0		514
				inches	3.23	29.13	105.91	48.35	34.17	35.24			
HA-718	★★	E-4	TL	mm	82	740	2690	1228	868	895	19.50/4.0		531
				inches	3.23	29.13	105.91	48.35	34.17	35.24			
HA-618	★★	E-4	TL	mm	70	740	2690	1227	867	897	19.50/4.0		609
				inches	2.76	29.13	105.91	48.31	34.13	35.31			
HA-668	★★	E-4	TL	mm	70	740	2690	1227	867	897	19.50/4.0		635
				inches	2.76	29.13	105.91	48.31	34.13	35.31			

30.00R51



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-168	★★	E-4	TL	mm	75	845	2878	1290	990	1005	22.00/4.5		588
				inches	2.95	33.27	113.31	50.79	38.98	39.57			
HA-718	★★	E-4	TL	mm	75	845	2878	1290	990	1005	22.00/4.5		630
				inches	2.95	33.27	113.31	50.79	38.98	39.57			

33.00R51



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-162	★★	E-4	TL	mm	95	920	3030	1357	1065	1080	24.00/5.0		565
				inches	3.74	36.22	119.29	53.43	41.93	42.52			
HA-710	★★	E-4	TL	mm	95	920	3030	1357	1065	1080	24.00/5.0		625
				inches	3.74	36.22	119.29	53.43	41.93	42.52			

36.00R51



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-168	★★	E-4	TL	mm	83	990	3194	1428	1159	1183	26.00/5.0		814
				inches	3.27	38.98	125.75	56.22	45.63	46.57			
HA-162	★★	E-4	TL	mm	92	990	3194	1428	1159	1183	26.00/5.0		632
				inches	3.62	38.98	125.75	56.22	45.63	46.57			

37.00R57



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-162	★★	E-4	TL	mm	99	1050	3440	1550	1225	1242	27.00/6.0	29.00/6.0	825
				inches	3.90	41.34	135.43	61.02	48.23	48.90			
HA-163	★★	E-4	TL	mm	99	1050	3440	1550	1225	1242	27.00/6.0	29.00/6.0	785
				inches	3.90	41.34	135.43	61.02	48.23	48.90			

Tire Technical Specifications

40.00R57



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-162	★★	E-4	TL	mm	99	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	880
				inches	3.90	44.49	140.16	63.19	52.95	54.33			
HA-710	★★	E-4	TL	mm	99	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	940
				inches	3.90	44.49	140.16	63.19	52.95	54.33			
HA-718	★★	E-4	TL	mm	99	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	994
				inches	3.90	44.49	140.16	63.19	52.95	54.33			
HA-566	★★	E-4	TL	mm	85	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	980
				inches	3.35	44.49	140.16	63.19	52.95	54.33			

46/90R57



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-162	★★	E-4	TL	mm	99	1180	3560	1598	1440	1467	29.00/6.0	32.00/6.0	898
				inches	3.90	46.46	140.16	62.91	56.69	57.76			
HA-368	★★	E-4	TL	mm	85	1180	3560	1598	1440	1467	29.00/6.0	32.00/6.0	990
				inches	3.35	46.46	140.16	62.91	56.69	57.76			
HA-718	★★	E-4	TL	mm	99	1180	3560	1598	1440	1467	29.00/6.0	32.00/6.0	1040
				inches	3.90	46.46	140.16	62.91	56.69	57.76			

50/80R57



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-162	★★	E-4	TL	mm	95	1266	3620	1572	1554	1583	34.00/5.0	(29)32.00/6.0	1110
				inches	3.74	49.84	142.52	61.89	61.18	62.32			
HA-738	★★	E-4	TL	mm	99	1182	3565	1555	1445	1468	34.00/5.0	(29)32.00/6.0	1132
				inches	3.90	46.54	140.35	61.22	56.89	57.8			
HA-710	★★	E-4	TL	mm	95	1220	3620	1572	1505	1529	34.00/5.0	(29)32.00/6.0	1235
				inches	3.74	48.03	142.52	61.89	59.25	60.2			
HA-718	★★	E-4	TL	mm	95	1220	3620	1572	1505	1529	34.00/5.0	(29)32.00/6.0	1267
				inches	3.74	48.03	142.52	61.89	59.25	60.2			
HA-993	★★	E-4	TL	mm	82	1220	3620	1570	1506	1533	34.00/5.0	(29)32.00/6.0	1410
				inches	3.23	48.03	142.52	61.81	59.29	60.35			
HA-712	★★	E-4	TL	mm	95	1220	3620	1572	1505	1529	34.00/5.0	(29)32.00/6.0	1100
				inches	3.74	48.03	142.52	61.89	59.25	60.2			

55/80R57



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-860	★★	L-5	TL	mm	118	1428	3738	1623	1743		44.00/5.0	42.00/5.0	
				inches	4.65	56.22	147.17	63.9	68.62				

Tire Technical Specifications

53/80R63



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-688	★★	E-4	TL	mm	85	1330	3780	1639	1556	1678	36.00/5.0	38.00/5.0	1347
				inches	3.35	52.36	148.82	64.53	61.26	66.06			
HA-710	★★	E-4	TL	mm	98	1400	3845	1653	1615	1752	36.00/5.0	38.00/5.0	1580
				inches	3.86	55.12	151.38	65.08	63.58	68.98			
HA-918	★★	E-4	TL	mm	102	1355	3815	1644	1577	1704	36.00/5.0	38.00/5.0	1645
				inches	4.02	53.35	150.2	64.72	62.09	67.09			

59/80R63



Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
HA-686	★★	E-4	TL	mm	88	1480	4026	1730	1803	1870	44.00/5.0	41.00/5.0	1876
				inches	3.46	58.27	158.5	68.11	70.98	73.62			
HA-710	★★	E-3	TL	mm	67	1480	4026	1730	1803	1870	44.00/5.0	41.00/5.0	1722
				inches	2.64	58.27	158.5	68.11	70.98	73.62			
HA-918	★★	E-4	TL	mm	106	1480	4026	1725	1795	1860	44.00/5.0	41.00/5.0	1955
				inches	4.17	58.27	158.5	67.91	70.67	73.23			



HA-162

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
27.00R49	★★	E-4	TL	mm	82	740	2690	1228	868	895	19.50/4.0		500
				inches	3.23	29.13	105.91	48.35	34.17	35.24			
33.00R51	★★	E-4	TL	mm	95	920	3030	1357	1065	1080	24.00/5.0		565
				inches	3.74	36.22	119.29	53.43	41.93	42.52			
36.00R51	★★	E-4	TL	mm	92	990	3194	1428	1159	1183	26.00/5.0		632
				inches	3.62	38.98	125.75	56.22	45.63	46.57			
37.00R57	★★	E-4	TL	mm	99	1050	3440	1550	1225	1242	27.00/6.0	29.00/6.0	825
				inches	3.90	41.34	135.43	61.02	48.23	48.90			
40.00R57	★★	E-4	TL	mm	99	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	880
				inches	3.90	44.49	140.16	63.19	52.95	54.33			
46/90R57	★★	E-4	TL	mm	99	1180	3560	1598	1440	1467	29.00/6.0	32.00/6.0	898
				inches	3.90	46.46	140.16	62.91	56.69	57.76			
50/80R57	★★	E-4	TL	mm	95	1266	3620	1572	1554	1583	34.00/5.0	(29)32.00/6.0	1110
				inches	3.74	49.84	142.52	61.89	61.18	62.32			

Product Characteristics



Increase density of the belt ply

Increase tire strength and impact resistance



7-9% increase in steel wire strength

Use of new materials for greater strength



Longer lifespan

Apply single-arm carbon nanotube material technology to extend tire lifespan by 5-8%



Smarter tire compounds

All-season series of compounds to extend tire lifespan by 3-5%



HA-163

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
37.00R57	★★	E-4	TL	mm	99	1050	3440	1550	1225	1242	27.00/6.0	29.00/6.0	785
				inches	3.90	41.34	135.43	61.02	48.23	48.90			

Product Characteristics

Optimised Net-to-Gross Ratio

The low sea-to-land ratio optimises the ground contact area, delivering extended tire life

11% increase in abrasion resistance

Better designed compound with improved abrasion resistance indexes

Higher resistance to punctures

Higher saturation pattern ratio, fewer stone inclusions, better puncture resistance

Best choice for hard ore surfaces

Better wrap-around casing design for better burst & impact resistance



HA-168

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
14.00R25	★★★	E-3	TT/TL	mm	27	382	1385	638	432	450	10.00/2.0	10.00/1.5	113
				inches	1.06	15.04	54.53	25.12	17.01	17.72			
16.00R25	★★★	E-3	TT/TL	mm	32	440	1510	700	490	518	11.25/2.0		115
				inches	1.26	17.32	59.45	27.56	19.29	20.39			
30.00R51	★★	E-4	TL	mm	75	845	2878	1290	990	1005	22.00/4.5		588
				inches	2.95	33.27	113.31	50.79	38.98	39.57			
36.00R51	★★	E-4	TL	mm	83	990	3194	1428	1159	1183	26.00/5.0		814
				inches	3.27	38.98	125.75	56.22	45.63	46.57			

Product Characteristics

Low angle belt ply coverage

Lower angle for better casing protection

Stronger impact-proof capability

Larger casing width, higher backpack position, and dual sidewall protection

Lower failure rate of tire shoulders

Optimize shoulder structure design to reduce the probability of shoulder failure

Reduced heat build-up in the tread

Unique all-season compound system utilizing low-generation rubber in the tread



HA-368

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
46/90R57	★★	E-4	TL	mm	85	1180	3560	1598	1440	1467	29.00/6.0	32.00/6.0	990
				inches	3.35	46.46	140.16	62.91	56.69	57.76			

Product Characteristics

Extremely comprehensive groove-to-block ratio

Appropriate groove-to-block ratio, tires can be used on a wide range of road surfaces

Multi-layer belt ply structure

Well-designed belt ply structure to protect the stability of casing

Efficient heat dissipation patterned grooves

More open ended cross-patterned groove design for better heat dissipation

High level repacking

Higher backpacking endpoints result in fewer sidewall failures



HA-566

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
40.00R57	★★	E-4	TL	mm	85	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	980
				inches	3.35	44.49	140.16	63.19	52.95	54.33			

Product Characteristics

Ideal for High-Speed Long-Haul Operations

Low saturation combined with heat-dissipating compounds provides dual performance advantages

Wide Groove Base, Superior Self-Cleaning

A wide groove base prevents stone trapping and delivers powerful self-cleaning performance

Reinforced Belt Structure

Low heat generation, eliminating shoulder separation

High-Strength Steel Wire Application

Use of high-strength steel wire enhances safety performance



HA-618

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
505/95R29	★★★	E-3	TT/TL	mm	31	525	1728	816	580	625	13.00/2.5		150
				inches	1.22	20.67	68.03	32.13	22.83	24.61			
530/95R29	★★★	E-3	TT/TL	mm	31	540	1732	819	582	635	13.00/2.5		155
				inches	1.22	21.26	68.19	32.24	22.91	25			
27.00R49	★★	E-4	TL	mm	70	740	2690	1227	867	897	19.50/4.0		609
				inches	2.76	29.13	105.91	48.31	34.13	35.31			

Product Characteristics

Small angle belt ply structure

Optimized belt ply structure, with 6% increase in strength of belt ply

High resistance to puncture

The strongest puncture resistance in the same specification, suitable for harsh road conditions

High groove-to-block ratio

Super wear-resistant pattern design for longer lifespan

High-strength skeleton material

Application of high-strength skeleton material, which is safe and impact-proof



HA-668

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
27.00R49	★★	E-4	TL	mm	70	740	2690	1227	867	897	19.50/4.0		635
				inches	2.76	29.13	105.91	48.31	34.13	35.31			

Product Characteristics

Drainage & Anti-Slip Pattern, Master of Harsh Conditions

Balancing anti-slip and heat-dissipation performance—the optimal choice for demanding operating conditions

Enhanced by High Heat Dissipation Compound

Combined with ultra-heat-resistant compound, enabling higher load capacity and higher speeds

Reinforced Steel Wire Design, Stronger Carcass

Application of high-strength steel wire significantly enhances safety performance

Upgraded Bead Structure

Reinforced with dual nylon + steel wire layers, delivering higher maximum load capacity



HA-686

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
59/80R63	★★	E-4	TL	mm	88	1480	4026	1730	1803	1870	44.00/5.0	41.00/5.0	1876
				inches	3.46	58.27	158.5	68.11	70.98	73.62			

Product Characteristics

Stronger single tire load capacity
5% increase in single tire load capacity

Guaranteed safety performance
The steel wire carcass is fabricated from large-specification speciality materials with high breaking strength

Ultra-high TKPH value
High TKPH value, which can be adapted to a variety of complex working conditions

6% increase in heat dissipation performance
The use of new materials can speed up the heat dissipation of tires



HA-688

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
53/80R63	★★	E-4	TL	mm	85	1330	3780	1639	1556	1678	36.00/5.0	38.00/5.0	1347
				inches	3.35	52.36	148.82	64.53	61.26	66.06			

Product Characteristics

9% increase in sidewall impact-proof performance
Thickened and reinforced sidewall structure for better impact-proof performance

Longer lifespan, fewer failures
Wear-resistant compound adds 8% to tire life

Low angle belt ply coverage
Lower angle for better casing protection

Double-layer nylon wrapping cloth for subport
Enhanced protection and reduced failure rate of subport



HA-710

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
14.00R25	★★★	E-4	TT/TL	mm	36	385	1415	652	430	456	10.00/2.0	10.00/1.5	104
				inches	1.42	15.16	55.71	25.67	16.93	17.95			
16.00R25	★★★	E-4	TT/TL	mm	42	440	1536	713	490	518	11.25/2.0		105
				inches	1.65	17.32	60.47	28.07	19.29	20.39			
27.00R49	★★	E-4	TL	mm	82	740	2690	1228	868	895	19.50/4.0		514
				inches	3.23	29.13	105.91	48.35	34.17	35.24			
33.00R51	★★	E-4	TL	mm	95	920	3030	1357	1065	1080	24.00/5.0		625
				inches	3.74	36.22	119.29	53.43	41.93	42.52			

Product Characteristics

Excellent traction and grip

Open tread pattern design, providing excellent driving performance

Stronger cut resistance

Utilizing long polymer chains, fine carbon black, and enhanced cross-linking to improve cut resistance

10% reduction in heat generation

A low heat generation performance design for high speeds and long distances

No chunking or cracking

Optimized tread groove curvature and a combination of deep and shallow tread design to prevent cracking and chunking



HA-710 NEW

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
40.00R57	★★	E-4	TL	mm	99	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	940
				inches	3.90	44.49	140.16	63.19	52.95	54.33			
50/80R57	★★	E-4	TL	mm	95	1220	3620	1572	1505	1529	34.00/5.0	(29)32.00/6.0	1235
				inches	3.74	48.03	142.52	61.89	59.25	60.20			
53/80R63	★★	E-4	TL	mm	98	1400	3845	1653	1615	1752	36.00/5.0	38.00/5.0	1580
				inches	3.86	55.12	151.38	65.08	63.58	68.98			
59/80R63	★★	E-3	TL	mm	67	1480	4026	1730	1803	1870	44.00/5.0	41.00/5.0	1722
				inches	2.64	58.27	158.5	68.11	70.98	73.62			

Product Characteristics

Wide tread design,optimized grounding shape

Wide ground area gives tires better grip

10% increase in load capacity

Reinforced steel wire skeleton design for better casing support

Longer lifespan & less failures

Deep pattern groove design, low heat generation and abrasion resistant compound

New contour design

Optimize casing profile, low heat generation, and improve wear and abrasion resistance



HA-712

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
50/80R57	★★	E-4	TL	mm	95	1220	3620	1572	1505	1529	34.00/5.0	(29)32.00/6.0	1100
				inches	3.74	48.03	142.52	61.89	59.25	60.2			

Product Characteristics

Optimized Carcass Structure
Superior structure, enhanced performance

Precision Contour, High Load Capacity
Refined contour design supporting high load performance

High Saturation Tread Design
Wear-resistant and puncture-resistant tread design, delivering extended service life

Diversified Compound Formulations
A complete tread compound formulation system, adaptable to specific operating conditions



HA-718

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
14.00R25	★★★	E-4	TT/TL	mm	36	385	1415	648	432	456	10.00/2.0	10.00/1.5	106
				inches	1.42	15.16	55.71	25.51	17.01	17.95			
16.00R25	★★★	E-4	TT/TL	mm	42	440	1536	713	492	518	11.25/2.0		108
				inches	1.65	17.32	60.47	28.07	19.37	20.39			
480/95R29	★★★	E-4	TT/TL	mm	43	490	1665	785	540	585	13.00/2.5		125
				inches	1.69	19.3	65.55	30.91	21.26	23.03			
505/95R29	★★★	E-4	TT/TL	mm	43	525	1752	829	580	625	13.00/2.5		145
				inches	1.69	20.67	68.98	32.64	22.83	24.61			
530/95R29	★★★	E-4	TT/TL	mm	43	540	1758	832	582	635	13.00/2.5		147
				inches	1.69	21.26	69.21	32.76	22.91	25			
27.00R49	★★	E-4	TL	mm	82	740	2690	1228	868	895	19.50/4.0		531
				inches	3.23	29.13	105.91	48.35	34.17	35.24			
30.00R51	★★	E-4	TL	mm	75	845	2878	1290	990	1005	22.00/4.5		630
				inches	2.95	33.27	113.31	50.79	38.98	39.57			
40.00R57	★★	E-4	TL	mm	99	1130	3560	1605	1345	1380	29.00/6.0	32.00/6.0	994
				inches	3.90	44.49	140.16	63.19	52.95	54.33			
46/90R57	★★	E-4	TL	mm	99	1180	3560	1598	1440	1467	29.00/6.0	32.00/6.0	1040
				inches	3.90	46.46	140.16	62.91	56.69	57.76			
50/80R57	★★	E-4	TL	mm	95	1220	3620	1572	1505	1529	34.00/5.0	(29)32.00/6.0	1267
				inches	3.74	48.03	142.52	61.89	59.25	60.2			

Product Characteristics

10-12% increase in TKPH value
The best choice for high speed and long haul condition

Large pattern design
Improves the tread's resistance to punctures, cuts and tears

11% reduction in heat generation efficiency
The control of low-heat-generating efficiency allows tires to adapt to harsh conditions

Strong grip without chunking
New large block pattern design, optimized distribution of pattern block rigidity, with uniform force distribution, improves drive and prevents block chipping and chunking



HA-738

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
50/80R57	★★	E-4	TL	mm	99	1182	3565	1555	1445	1468	34.00/5.0	(29)32.00/6.0	1132
				inches	3.90	46.54	140.35	61.22	56.89	57.80			

Product Characteristics

Suitable for various trucks
Such as the Komatsu 830E, etc

Strong anti-skidding ability
Optimized tread design, strong anti-skidding ability

High-strength skeleton material
Application of high-strength skeleton material, which is safe and impact-proof

Lightweight belt ply
Thinned belt ply thickness, high heat dissipation rate, and improved tire workability



HA-860*

Product Introduction

* This tire is specially designed for loaders

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
55/80R57	★★	L-5	TL	mm	118	1428	3738	1623	1743		44.00/5.0	42.00/5.0	
				inches	4.65	56.22	147.17	63.90	68.62				

Product Characteristics

Guaranteed extra-long tire lifespan
Deeper grooves ensure extra long lifespan

Lower failure rate
Improved structure compound, lower failure rate

Optional protective chain pattern
Suitable for various vehicles, optional protective chain table design

Low angle belt ply coverage
Lower angle for better casing protection



HA-918

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
53/80R63	★★	E-4	TL	mm	102	1355	3815	1644	1577	1704	36.00/5.0	38.00/5.0	1645
				inches	4.02	53.35	150.2	64.72	62.09	67.09			
59/80R63	★★	E-4	TL	mm	106	1480	4026	1725	1795	1860	44.00/5.0	41.00/5.0	1955
				inches	4.17	58.27	158.5	67.91	70.67	73.23			

Product Characteristics

Ultra-High-Strength Steel Cord Application

Superior rubber penetration and elongation at break, enhancing puncture resistance and durability

Ultra-Low-Angle Belt Layer

Ultra-low-angle belt structure delivering lower failure rates and enhanced safety

Low Groove-to-Block Ratio, High Wear-Resistant Pattern

Ultra-deep tread pattern with puncture resistance, delivering ultra-long service life

New Flex-Resistant Sidewall Compound

Iteratively upgraded sidewall formulation, reducing sidewall cracking



HA-993

Product Introduction

Tire Technical Specifications

Dimension	Star Rating	TRA Code	Type	Unit	New Tire Dimensions			Dimensions of In-service Tire			Rim		TKPH
					Tread Depth	Section Width	Overall Diameter	Static Loaded Radius	Static Loaded Section Width	Minimum dual spacing	Standard	Optional	Average
50/80R57	★★	E-4	TL	mm	82	1220	3620	1570	1506	1533	34.00/5.0	(29)32.00/6.0	1410
				inches	3.23	48.03	142.52	61.81	59.29	60.35			

Product Characteristics

Low Saturation Pattern Design

High heat-dissipation pattern design—the optimal choice for high-speed applications

High-Position Sidewall Turn-up, Superior Blowout Resistance

Dual main steel wire reinforcement on the sidewall, significantly enhancing safety performance

Enhanced by Ultra Wear Resistant Compound

High heat-dissipation pattern combined with ultra wear-resistant compound, delivering longer service life and lower failure rates

Upgraded Bead Structure

Reinforced with dual nylon + steel wire layers, delivering higher maximum load capacity

Tire Load and Pressure for Different Patterns

HA-162



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

27.00R49	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	23600	24550	25500	26400	27250★★	27750	28250	28750	29250	29700
		lbs.	51920	54010	56100	58080	59950★★	61050	62150	63250	64350	65340
33.00R51	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	34450	35550	36650	37700	38750★★	39450	40150	40850	41550	42200
		lbs.	75790	78210	80630	82940	85250★★	86790	88330	89870	91410	92840
36.00R51	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	41250	42500	43750	45000	46250★★	47150	48000	48850	49650	50350
		lbs.	90750	93500	96250	99000	101750★★	103730	105600	107470	109230	110770
37.00R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	47750	49100	50450	51750	53000★★	54100	55150	56150	57100	58000
		lbs.	105050	108020	110990	113850	116600★★	119020	121330	123530	125620	127600
40.00R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	53000	54800	56550	58300	60000★★	61500	62700	63800	64800	65700
		lbs.	116600	120560	124410	128260	132000★★	135300	137940	140360	142560	144540
46/90R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	56000	57800	59550	61300	63000★★	64200	65350	66500	67600	68600
		lbs.	123200	127160	131010	134860	138600★★	141240	143770	146300	148720	150920
50/80R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	65100	67100	69100	71050	73000★★	74900	76800	78600	80400	82100
		lbs.	143220	147620	152020	156310	160600★★	164780	168960	172920	176880	180620

HA-163



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

37.00R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	47750	49100	50450	51750	53000★★	54100	55150	56150	57100	58000
		lbs.	105050	108020	110990	113850	116600★★	119020	121330	123530	125620	127600

HA-168



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

14.00R25	Air Pressure	kPa	700	750	800	850	900	950	1000	1050	1100	1150	1200
		psi	102	109	116	123	131	138	145	152	160	167	174
	Load Limit	kg	5800★★★	6000	6200	6400	6600	6800	7000	7200	7400	7600	7800
		lbs.	12760	13200	13640	14080	14520	14960	15400	15840	16280	16720	17160
16.00R25	Air Pressure	kPa	800	850	900	950	1000	1050	1100	1150	1200		
		psi	116	123	131	138	145	152	160	167	174		
	Load Limit	kg	8000★★★	8350	8700	9050	9400	9750	10100	10450	10800		
		lbs.	17600	18370	19140	19910	20680	21450	22220	22990	23760		
30.00R51	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	30000	30900	31800	32650	33500★★	34250	35000	35550	36050	36500	
		lbs.	66000	67980	69960	71830	73700★★	75350	77000	78210	79310	80300	
36.00R51	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	41250	42500	43750	45000	46250★★	47150	48000	48850	49650	50350	
		lbs.	90750	93500	96250	99000	101750★★	103730	105600	107470	109230	110770	

HA-368



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

46/90R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	56000	57800	59550	61300	63000★★	64200	65350	66500	67600	68600
		lbs.	123200	127160	131010	134860	138600★★	141240	143770	146300	148720	150920

HA-566



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

40.00R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	53000	54800	56550	58300	60000★★	61500	62700	63800	64800	65700
		lbs.	116600	120560	124410	128260	132000★★	135300	137940	140360	142560	144540

Tire Load and Pressure for Different Patterns

HA-618



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

505/95R29	Air Pressure	kPa	900	950	1000	1050	1100	1150	1200	1250		
		psi	131	138	145	152	160	167	174	181		
	Load Limit	kg	11500★★★	12025	12550	13075	13600	14125	14650	15175		
		lbs.	25300	26455	27610	28765	29920	31075	32230	33385		
530/95R29	Air Pressure	kPa	900	950	1000	1050	1100	1150	1200	1250		
		psi	131	138	145	152	160	167	174	181		
	Load Limit	kg	12150★★★	12700	13250	13800	14350	14900	15450	16000		
		lbs.	26730	27940	29150	30360	31570	32780	33990	35200		
27.00R49	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	23600	24550	25500	26400	27250★★	27750	28250	28750	29250	29700
		lbs.	51920	54010	56100	58080	59950★★	61050	62150	63250	64350	65340

HA-668



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

27.00R49	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	23600	24550	25500	26400	27250★★	27750	28250	28750	29250	29700
		lbs.	51920	54010	56100	58080	59950★★	61050	62150	63250	64350	65340

HA-686



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

59/80R63	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	90000	92550	95050	97550	100000★★	102450	104900	107300	109700	112000
		lbs.	198000	203610	209110	214610	220000★★	225390	230780	236060	241340	246400

HA-688



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

53/80R63	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	75000	76900	78800	80650	82500★★	84300	86100	87800	89400	91000
		lbs.	165000	169180	173360	177430	181500★★	185460	189420	193160	196680	200200

HA-710



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

14.00R25	Air Pressure	kPa	700	750	800	850	900	950	1000	1050	1100	1150	1200
		psi	102	109	116	123	131	138	145	152	160	167	174
	Load Limit	kg	5800★★★	6000	6200	6400	6600	6800	7000	7200	7400	7600	7800
		lbs.	12760	13200	13640	14080	14520	14960	15400	15840	16280	16720	17160
16.00R25	Air Pressure	kPa	800	850	900	950	1000	1050	1100	1150	1200		
		psi	116	123	131	138	145	152	160	167	174		
	Load Limit	kg	8000★★★	8350	8700	9050	9400	9750	10100	10450	10800		
		lbs.	17600	18370	19140	19910	20680	21450	22220	22990	23760		
27.00R49	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	23600	24550	25500	26400	27250★★	27750	28250	28750	29250	29700	
		lbs.	51920	54010	56100	58080	59950★★	61050	62150	63250	64350	65340	
33.00R51	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	34450	35550	36650	37700	38750★★	39450	40150	40850	41550	42200	
		lbs.	75790	78210	80630	82940	85250★★	86790	88330	89870	91410	92840	
40.00R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	53000	54800	56550	58300	60000★★	61500	62700	63800	64800	65700	
		lbs.	116600	120560	124410	128260	132000★★	135300	137940	140360	142560	144540	
50/80R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	65100	67100	69100	71050	73000★★	74900	76800	78600	80400	82100	
		lbs.	143220	147620	152020	156310	160600★★	164780	168960	172920	176880	180620	
53/80R63	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	75000	76900	78800	80650	82500★★	84300	86100	87800	89400	91000	
		lbs.	165000	169180	173360	177430	181500★★	185460	189420	193160	196680	200200	
59/80R63	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	90000	92550	95050	97550	100000★★	102450	104900	107300	109700	112000	
		lbs.	198000	203610	209110	214610	220000★★	225390	230780	236060	241340	246400	

HA-712



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

50/80R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	65100	67100	69100	71050	73000★★	74900	76800	78600	80400	82100
		lbs.	143220	147620	152020	156310	160600★★	164780	168960	172920	176880	180620

Tire Load and Pressure for Different Patterns

HA-718



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

14.00R25	Air Pressure	kPa	700	750	800	850	900	950	1000	1050	1100	1150	1200
		psi	102	109	116	123	131	138	145	152	160	167	174
	Load Limit	kg	5800★★★	6000	6200	6400	6600	6800	7000	7200	7400	7600	7800
		lbs.	12760	13200	13640	14080	14520	14960	15400	15840	16280	16720	17160
16.00R25	Air Pressure	kPa	800	850	900	950	1000	1050	1100	1150	1200		
		psi	116	123	131	138	145	152	160	167	174		
	Load Limit	kg	8000★★★	8350	8700	9050	9400	9750	10100	10450	10800		
		lbs.	17600	18370	19140	19910	20680	21450	22220	22990	23760		
480/95R29	Air Pressure	kPa	900	950	1000	1050	1100	1150	1200	1250			
		psi	131	138	145	152	160	167	174	181			
	Load Limit	kg	10600★★★	11000	11400	11800	12200	12600	13000	13400			
		lbs.	23320	24200	25080	25960	26840	27720	28600	29480			
505/95R29	Air Pressure	kPa	900	950	1000	1050	1100	1150	1200	1250			
		psi	131	138	145	152	160	167	174	181			
	Load Limit	kg	11500★★★	12025	12550	13075	13600	14125	14650	15175			
		lbs.	25300	26455	27610	28765	29920	31075	32230	33385			
530/95R29	Air Pressure	kPa	900	950	1000	1050	1100	1150	1200	1250			
		psi	131	138	145	152	160	167	174	181			
	Load Limit	kg	12150★★★	12700	13250	13800	14350	14900	15450	16000			
		lbs.	26730	27940	29150	30360	31570	32780	33990	35200			
27.00R49	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	23600	24550	25500	26400	27250★★	27750	28250	28750	29250	29700	
		lbs.	51920	54010	56100	58080	59950★★	61050	62150	63250	64350	65340	
30.00R51	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	30000	30900	31800	32650	33500★★	34250	35000	35550	36050	36500	
		lbs.	66000	67980	69960	71830	73700★★	75350	77000	78210	79310	80300	
40.00R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	53000	54800	56550	58300	60000★★	61500	62700	63800	64800	65700	
		lbs.	116600	120560	124410	128260	132000★★	135300	137940	140360	142560	144540	
46/90R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	56000	57800	59550	61300	63000★★	64200	65350	66500	67600	68600	
		lbs.	123200	127160	131010	134860	138600★★	141240	143770	146300	148720	150920	
50/80R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825	
		psi	87	91	94	98	102	105	109	112	116	120	
	Load Limit	kg	65100	67100	69100	71050	73000★★	74900	76800	78600	80400	82100	
		lbs.	143220	147620	152020	156310	160600★★	164780	168960	172920	176880	180620	

HA-738



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

50/80R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	65100	67100	69100	71050	73000★★	74900	76800	78600	80400	82100
		lbs.	143220	147620	152020	156310	160600★★	164780	168960	172920	176880	180620

HA-860



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

55/80R57	Air Pressure	kPa	400	425	450	475	500	525	550	575	600	625	650
		psi	58	62	65	69	73	76	80	83	87	91	94
	Load Limit	kg	73000	77500	80000	82500	85000	87500	90000	92500	95000	97500	100000★★
		lbs.	161000	171000	176500	182000	187500	193000	198500	204000	209500	215000	220500★★

HA-918



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

53/80R63	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	75000	76900	78800	80650	82500★★	84300	86100	87800	89400	91000
		lbs.	165000	169180	173360	177430	181500★★	185460	189420	193160	196680	200200
59/80R63	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	90000	92550	95050	97550	100000★★	102450	104900	107300	109700	112000
		lbs.	198000	203610	209110	214610	220000★★	225390	230780	236060	241340	246400

HA-993



Load Capacity Limits at Different Inflation Pressures (Maximum Speed: 50 km/h)

50/80R57	Air Pressure	kPa	600	625	650	675	700	725	750	775	800	825
		psi	87	91	94	98	102	105	109	112	116	120
	Load Limit	kg	65100	67100	69100	71050	73000★★	74900	76800	78600	80400	82100
		lbs.	143220	147620	152020	156310	160600★★	164780	168960	172920	176880	180620

* For safety and technical concern, please use the tire beyond the limitation approved.
* Consult Haian Representative for further assistance on correct usage and maintenance.

General Information

Tire classification by type of service

C indicates tires for compactor

Code	Type of Tread	Application	• Maximum	
			Speed	One way distance
C-1	Smooth	Compactor	10km/h	Unlimited

E indicates tires for earthmover

Code	Type of Tread	Application	• Maximum	
			Speed	One way distance
E-1	Stripe	Earthmover		4km
E-2	Traction	Earthmover		4km
E-3	Block	Earthmover		4km
E-4	Deepened Block	Earthmover		4km
E-5	Floating	Earthmover		4km

G indicates tires for grader

Code	Type of Tread	Application	• Maximum	
			Speed	One way distance
G-2	Traction	Grader	40km/h	Unlimited
G-3	Block	Grader	40km/h	Unlimited

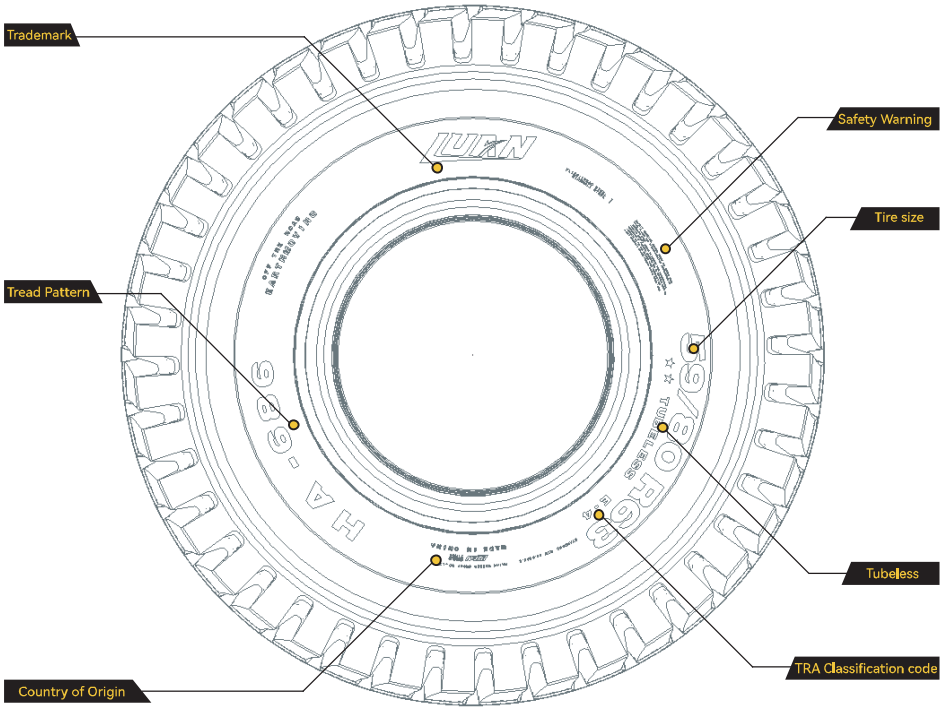
L indicates tires for loader

Code	Type of Tread	Application	• Maximum	
			Speed	One way distance
L-2	Traction	Loader & Dozer	10km/h	75m
L-3	Block	Loader & Dozer	10km/h	75m
L-4	Deepened Block	Loader & Dozer	10km/h	75m
L-5	Extra Deepened Block	Loader & Dozer	10km/h	75m
L-4S	Thickened Smooth	Loader & Dozer	10km/h	75m
L-5S	Extra Thickened Smooth	Loader & Dozer	10km/h	75m

IND indicates tires for industrial machinery

Code	Type of Tread	Application	• Maximum	
			Speed	One way distance
IND-3	Plain	Industrial Machinery	30km/h	Unlimited
IND-4	Deepened	Industrial Machinery	30km/h	Unlimited
IND-5	Extra Deepened	Industrial Machinery	30km/h	Unlimited

Tire Markings



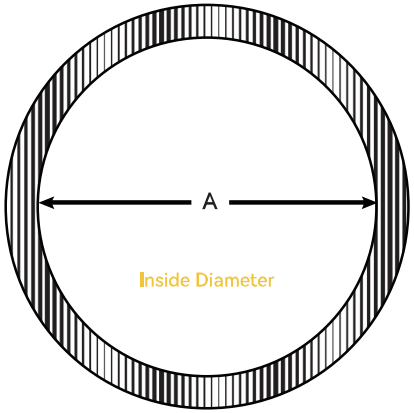
Tread Depth Design

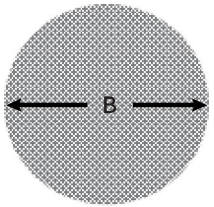


Regular Depth	Deep Depth	Extra Deep Depth
E-4 L-3 G-3	E-4 L-3 G-3	E-5 L-5

OTR Tire Accessories

O-RINGS



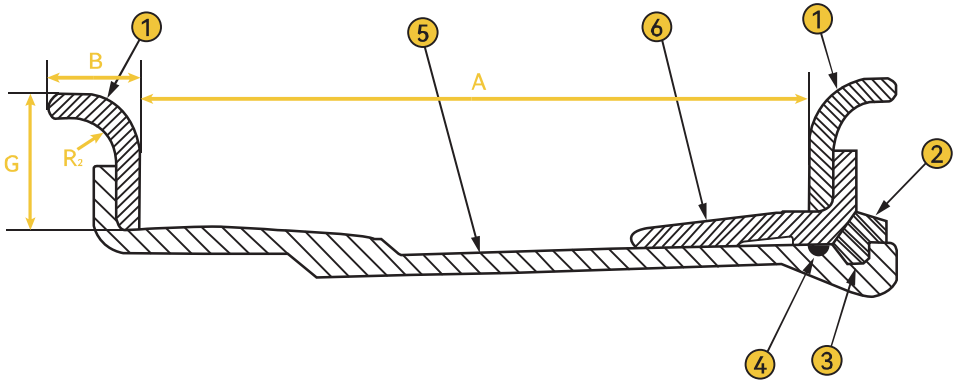


Unit / Dimension	A(Inner Diameter)		B(Thickness)		G(Weight)	
	in	mm	in	mm	ib	g
R49	43.04	1144	0.39±0.01	10.00±0.30	0.72±0.01	336±5
R51	46.65	1185	0.50±0.01	12.80±0.30	1.22±0.01	554±5
R57	52.44	1332	0.50±0.01	12.80±0.30	1.35±0.01	614±5
R63	57.91	1474	0.50±0.01	13.30±0.30	1.53±0.01	695±5

Working conditions of O-ring

* The O-ring seal functions properly under extreme weather conditions down to -55°C (-67°F).
* O-ring should not be reused once disassembled.

Rim(5 pieces set)



① Flange ② Lock ring ③ Gutter ④ Groove of O-ring ⑤ Rim ⑥ Seat ring

unit in mm

Code of Rim Width/Flange Height	A	G	B	R2	
	±13	±2	min	Basic Dimension	Limit Deviation
19.50/4.0	495.50	101.50	66.00	57.00	±2.00
22.00/4.5	559.00	114.50	74.00	63.50	±2.00
24.00/5.0	609.50	127.00	86.50	70.00	±2.00
26.00/5.0	660.50	127.00	86.50	70.00	±2.00
27.00/6.0	686.00	152.50	97.50	84.00	±2.50
29.00/6.0	736.50	152.50	97.50	84.00	±2.50
32.00/6.0	813.00	152.50	122.00	84.00	±2.50
34.00/5.0	863.50	127.00	86.50	70.00	±2.00
36.00/5.0	914.50	127.00	86.50	70.00	±2.00
38.00/5.0	965.00	127.00	139.50	70.00	±2.00
44.00/5.0	1117.50	127.00	139.50	70.00	±2.50

Notes

The information and graphics in this manual reflect the technical characteristics and parameters of some tires at the time of the cut-off (see configuration table). In line with the requirements of product upgrading and iteration, our company reserves the right to change the technical parameters of the product at any time. Some of the pictures in the manual are schematic diagrams for reference only, if the picture does not match the actual product, the object shall prevail. This manual only provides reference information and does not constitute a contractual offer. For detailed information, please contact our company. Reproduction of the contents in this manual is not permitted without the authorization of Haian Rubber Group Co., Ltd.

The final interpretation of this manual belongs to Haian Rubber Group Co., Ltd.

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