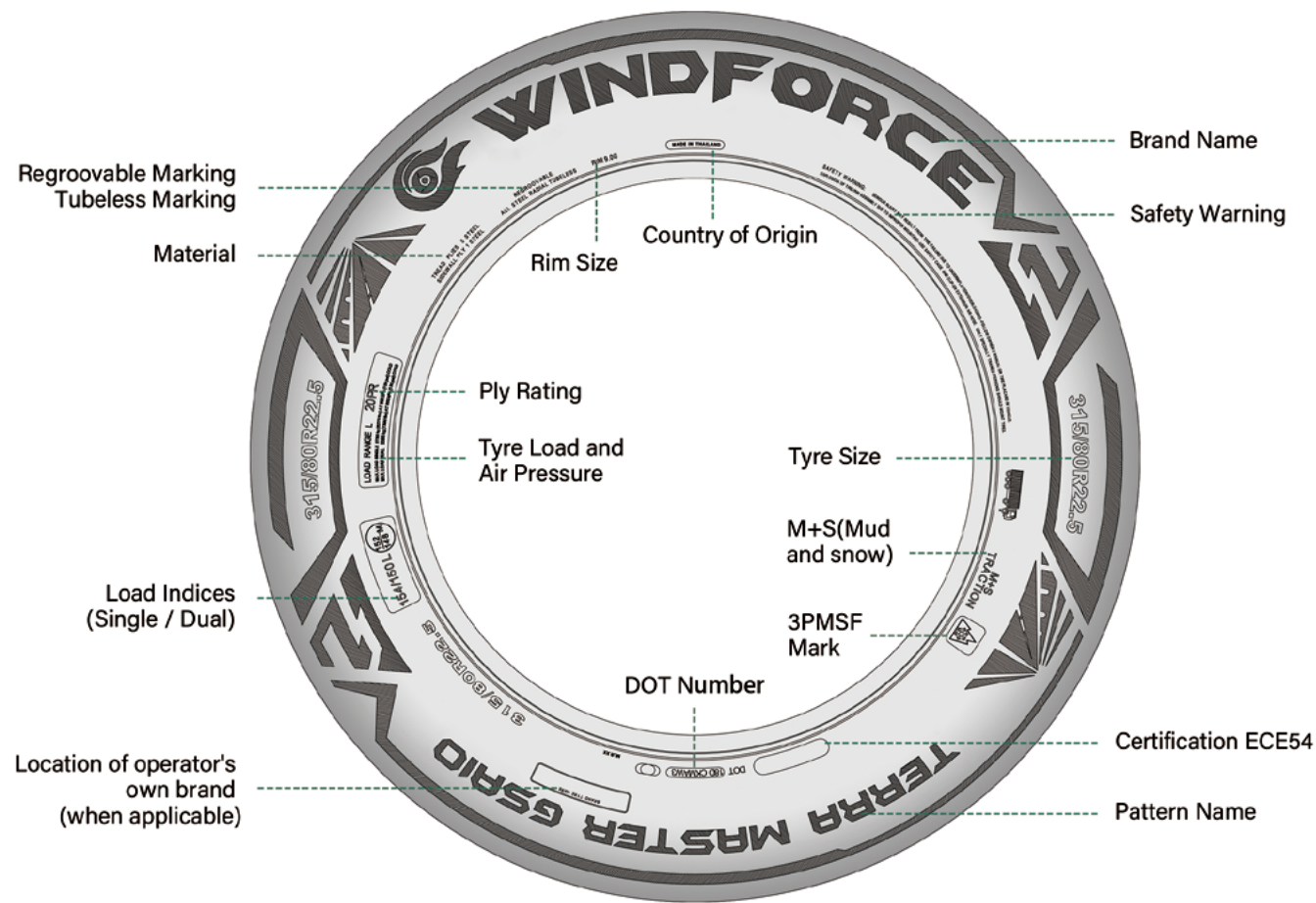


TRUCK AND BUS TYRES UPGRADING PRODUCT CATALOGUE



SIDEWALL DIAGRAM



LONG HAUL



REGIONAL



MIX SERVICE

WINDFORCE

SINCE 2012

WINDFORCE provides safety and value for the global customers, is constantly striving to create the best solutions for each application.

WINDFORCE provides a wide variety of PCR/TBR to customers, based on the demand from local market.

WINDFORCE persists on green tires to protect the environment in a concept of low carbon development and lowers the rolling resistance of tires.

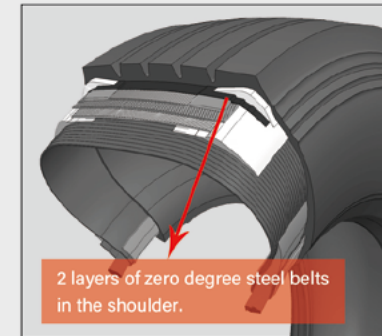
WINDFORCE supplied by global TOP 10 manufacturer, has perfect quality supervision system, after-sales system and quality certification system to guarantee the product quality and improve the customer satisfaction.

TYRE CONSTRUCTION



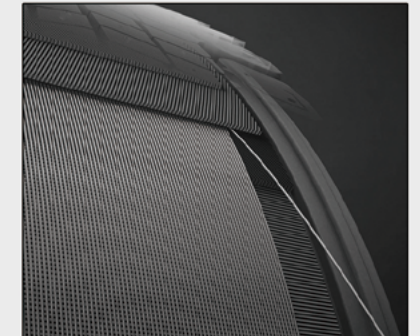
**4-LAYER STEEL BELTS
STRUCTURE TECHNOLOGY (FLST)**

SIDEWALL: 1 STEEL LAYER
TREAD: 5 STEEL LAYER



**ZERO DEGREE STEEL BELTS
STRUCTURE TECHNOLOGY (ZDST)**

SIDEWALL: 1 STEEL LAYER
TREAD: 4 STEEL LAYER



**JOINTLESS STEEL WIRE WRAPPING
STRUCTURE TECHNOLOGY (JWWT)**

Optimizes the shape of the contact patch for longer tread life and strengthens the crown against shocks and impacts, especially for widebase or super single loading sizes.

FLST & ZDST are two leading technology for TBR engineering nowadays. WINDFORCE, according to service conditions from local market, applies the better one to improve the satisfaction of customers.

HOW TO READ THE PROFILE NAME

**TERRA MASTER
G A R 60**

Product family name

G → Green

S → Steer Axle
D → Drive Axle
T → Trailer Axle
A → All Axle

A → All Routes+
L → Long Haul
R → Regional
M → Mix Service

Product Version

MADE IN THAILAND



APPLICATIONS

ALL ROUTES+



Hybrid concept of long haul and regional application.
Excellent fuel efficiency with maximum mileage.

LONG HUAL



Long-range travel with consistent speed and less braking or accelerating.
Well paved road surface with fewer curves.

REGIONAL



Journeys with repeated braking, acceleration, and turning.
Well-paved road with curves and occasionally rough conditions.

MIX SERVICE



Both on and off road with aggressive, uneven or muddy road conditions.
Heavy loads at medium to slow speeds and frequent stopping.

CONTENTS

ALL ROUTES+



**TERRA MASTER
GSA10**
A---03



**TERRA MASTER
GDA20**
A---05

LONG HUAL



**TERRA MASTER
GSL80**
L---09



**TERRA MASTER
GDL90**
L---11



**TERRA MASTER
GTL30**
L---13

REGIONAL



**TERRA MASTER
GAR60**
R---17



**TERRA MASTER
GDR70**
R---19



**TERRA MASTER
GTR50**
R---21

MIX SERVICE



**TERRA MASTER
GAM66**
M---25



**TERRA MASTER
GDM77**
M---27



**TERRA MASTER
GAM55**
M---29

THE ALL ROUTES+ SERIES



- Hybrid concept of long haul and regional application
- Excellent fuel efficiency with maximum mileage
- Improved road grip prepare for various road surface



**TERRA MASTER
GSA10**

**TERRA MASTER
GDA20**

Highway

Country Road

City

Construction Site



Multi-Purpose Performance compound

Nano-silica and high-quality natural rubber tread compounds ensure the tyre's durability on long-haul and regional road conditions.



Shoulder stiffness optimized technology

Shoulder stiffness hold technology can optimize the tyre footprint, improve contact pressure distribution, less uneven wear.



Stable belt construct design

The stable structure of the belt reduces the shear deformation, enhanced tyre life and durability.



TERRA MASTER GSA10



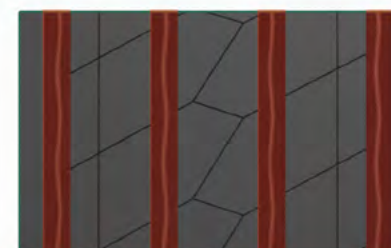
M+S

The latest generation of high-performance steer position tyre for national and regional operations.

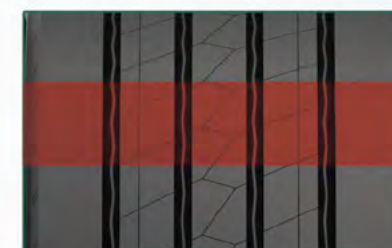
TERRA MASTER GSA10

TECHNICAL FEATURE

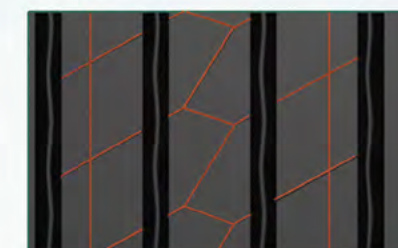
Four curved tread grooves ensure good drainage performance.



Special designed tread pitches ensure low external noise.



Multi kerf provides outstanding traction on wet and snow road surface.



SIZE RANGE Steer



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S	❄️	🚛	🚚	dB	🔊
295/80R22.5	18	154/149M	14	✓	✓	D	C	74	B
315/70R22.5	20	156/150L	15	✓	✓	D	C	74	B
315/80R22.5	20	156/153L(154/151M)	16	✓	✓	D	C	74	B
385/55R22.5	20	160K(158L)	15	✓	✓	C	C	74	B
385/65R22.5	20	160K(158L)	15	✓	✓	C	C	74	B
	24	164K	15	✓	✓	C	C	74	B



TERRA MASTER GDA20



M+S

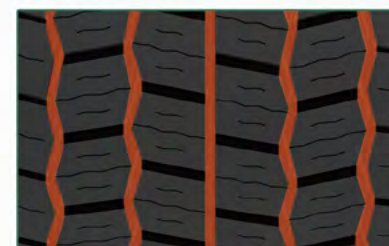
Designed for paved road service applications with better traction and durability.



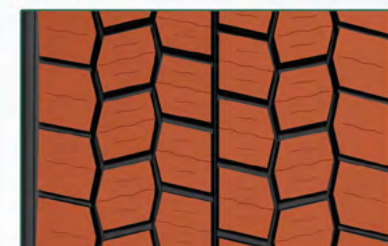
TERRA MASTER GDA20

TECHNICAL FEATURE

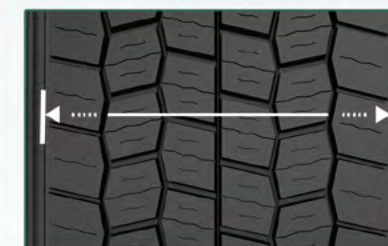
Deep tread depth improves traction and grip on the road and extends tire life.



Optimized deep multi-blocks pattern design provides ultra driving force.



Widened tread width enhances driving stability and provides even pressure distribution.



SIZE RANGE Drive



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
295/80R22.5	18	152/149M	19	✓	✓	E	C	74	B
315/70R22.5	20	154/150L(152/148M)	19	✓	✓	E	C	74	B
315/80R22.5	20	156/153L(154/151M)	21	✓	✓	E	C	74	B

THE LONG HAUL SERIES



- Long distance journey with constant speed and less braking and accelerating.
- Less fuel consumption and comfortable ride.
- High mileage performance.



TERRA MASTER
GSL80

TERRA MASTER
GDL90

TERRA MASTER
GTL90



Special low heat compound design

Special compound design, low heat generation during tire running, low CO₂, energy saving and environmental protection.



Optimized pattern design

The optimized design of pattern, high Land-sea ratio pattern design effectively reduce the rolling resistance of tires , more fuel efficient.



Advanced tire design theory

Advanced tire design concepts, make the tire longevity, green and safety.

Highway

Country Road

City

Construction Site



TERRA MASTER GSL80



M+S

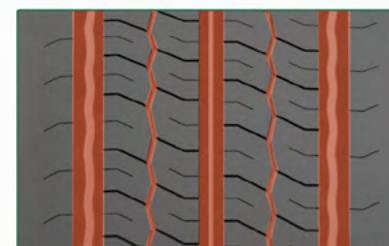
The latest generation of high-performance steer tyre for long haul application



TERRA MASTER GSL80

TECHNICAL FEATURE

Advanced 3 grooves tread provides even wear and remarkable handling.



Wider tread and Higher saturation, provides longer mileage and more driving stability.



Special tread compound guarantees less fuel consumption with lower rolling resistance.



SIZE RANGE Steer



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
315/60R22.5	20	154/150L(152/148M)	11	✓	✓	B	B	71	A
315/70R22.5	20	156/150L	12	✓	✓	B	B	71	A
385/55R22.5	20	160K(158L)	15	✓	✓	B	C	73	B



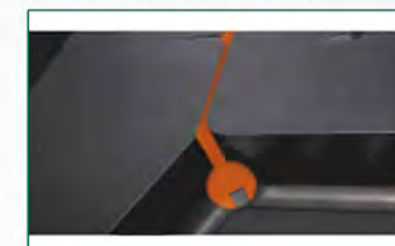
TERRA MASTER GDL90

TECHNICAL FEATURE

Wider tread and Higher saturation, provides longer mileage and more driving stability.



As hidden grooves appear at the end of wear, it keeps wet grip and traction performance.



Special tread compound guarantees less fuel consumption with lower rolling resistance.



SIZE RANGE Drive



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
295/60R22.5	18	150/147K(149/146L)	13.5	✓	✓	B	C	73	B
315/60R22.5	20	154/150K(152/148L)	14	✓	✓	B	C	73	B
315/70R22.5	20	154/150L	13.5	✓	✓	B	C	73	B

TERRA MASTER GDL90



M+S

The latest generation of high-performance drive tyre for long haul application.



TERRA MASTER GTL30



M+S

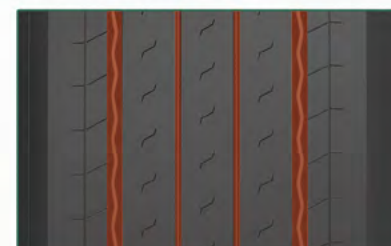
Wide base trailer tyre specially design for trailer service.



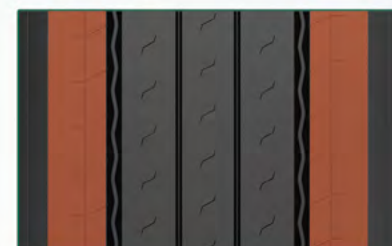
TERRA MASTER GTL30

TECHNICAL FEATURE

The pattern with two main straight channel grooves and wider ribs maximizes.



The robust shoulder ribs provide driving stability and prevent uneven wear.



Low rolling resistance compound reduces the loss of energy and results in.



SIZE RANGE Trailer



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S					
385/55R22.5	20	160K(158L)	15	✓	✓	B	C	71	A
385/65R22.5	20	160K(158L)	15	✓	✓	B	C	71	A
	24	164K	15	✓	✓	B	C	71	B
435/50R19.5	20	160J(156K)	12	✓	✓	C	C	74	B
445/45R19.5	20	160J	12	✓	✓	C	C	74	B

THE REGIONAL SERIES



- Shorter journey with frequent braking, accelerating and turning
- Improved road grip with maximum mileage
- Exceptional tough type



**TERRA MASTER
GAR60**

**TERRA MASTER
GDR70**

**TERRA MASTER
GTR50**

Highway

Country Road

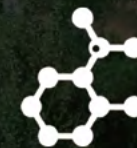
City

Construction Site



Shoulder Rigidity Reinforced Design

By optimizing the overall material distribution of the tyre, the rigidity and handling stability of the tyre have been greatly improved.



Ultra-High Tensile Cord

The UHT carcass cords provide better anti-deformation performance for the tyre, while at the same time better dispersing the pressure and significantly increasing the safety performance of the tyre.



Upgraded security features

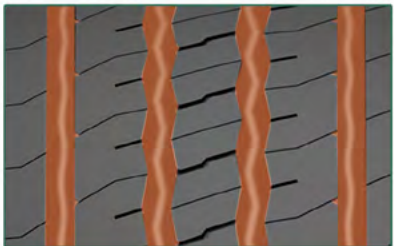
Excellent stability and durability, even in challenging weather conditions.



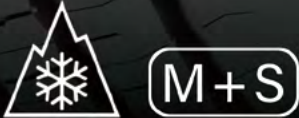
TERRA MASTER GAR60

TECHNICAL FEATURE

- Computer designed 5-Rib tread provides precise handling.
- Tread sipes alongside tread grooves offer outstanding wet operation and even tread contact on road surface.
- The high, rigid belt structure enhances driving stability.



TERRA MASTER GAR60



New steer tyre engineered with innovative latest technology for local and regional operations with rims of 17.5" and 19.5".

SIZE RANGE All Axle



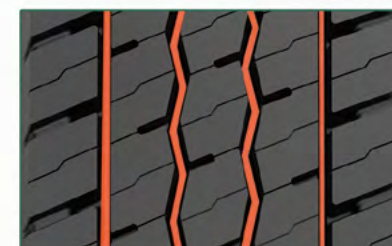
SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
205/75R17.5	14/16	124/122M (126/124G)	12	✓	✓	E	D	72	B
215/75R17.5	14	128/126M	13	✓	✓	E	D	72	B
	16	135/133J	13	✓	✓	E	D	72	B
225/75R17.5	14	129/127M	13	✓	✓	E	D	72	B
235/75R17.5	14	132/130M	13	✓	✓	E	D	72	B
	16	143/141J	13	✓	✓	E	D	72	B
245/70R19.5	16	136/134M	13	✓	✓	D	D	72	B
	18	143/141J	13	✓	✓	D	D	72	B
245/70R17.5	16	136/134M	13	✓	✓	E	D	72	B
	18	141/140J	13	✓	✓	E	D	72	B
265/70R19.5	16	140/138M	13	✓	✓	D	D	72	B
	18	143/141J	13	✓	✓	D	D	72	B
285/70R19.5	16	146/144M	13	✓	✓	D	D	72	B
	18	150/148J	13	✓	✓	D	D	72	B



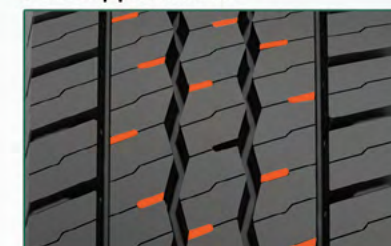
TERRA MASTER GDR70

TECHNICAL FEATURE

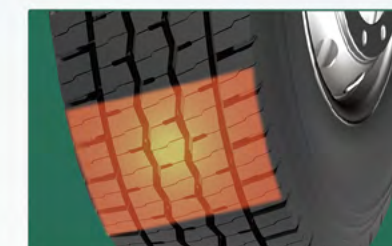
Wide tread with grooves enables high mileage and excellent driving performance in variable conditions.



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



Excellent footprint design promises even wear and remarkable tyre life.



SIZE RANGE Drive



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
205/75R17.5	14	124/122M	15	✓	✓	E	D	74	B
215/75R17.5	14	128/126M	15	✓	✓	E	D	74	B
225/75R17.5	14	129/127M	16	✓	✓	E	D	74	B
235/75R17.5	14	132/130M	16	✓	✓	E	D	74	B
245/70R17.5	16	136/134M	15	✓	✓	E	D	74	B
245/70R19.5	16	136/134M	15	✓	✓	E	C	74	B
265/70R19.5	16	140/138M	16	✓	✓	E	C	74	B
285/70R19.5	16	146/144M	16	✓	✓	E	C	74	B

TERRA MASTER GDR70



M+S

New drive tyre designed for local and regional application with rims of 17.5" and 19.5".

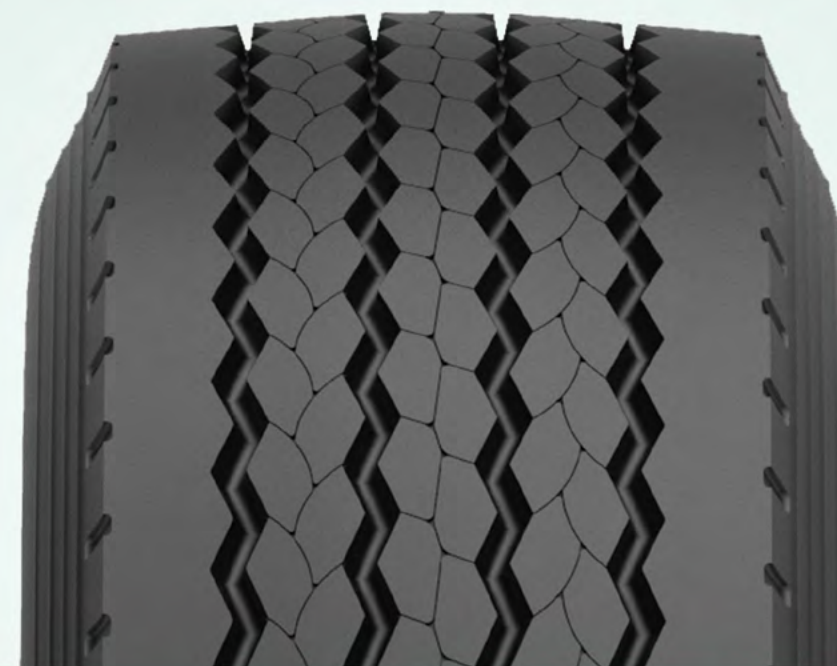


TERRA MASTER GTR50



M+S

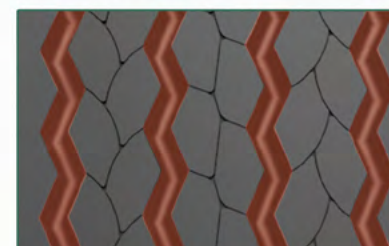
Good damage protection and even wear profile feature outstanding performance in all conditions.



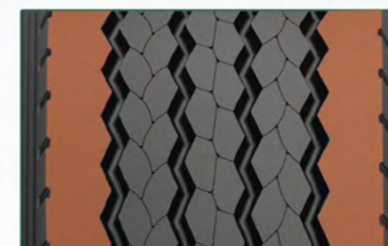
TERRA MASTER GTR50

TECHNICAL FEATURE

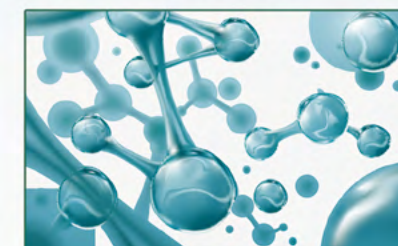
Four grooves with zigzag designed provide excellent stone ejection and groove crack prevention.



Wide and solid shoulder design guarantee long mileage.



Special tread compound guarantees less fuel consumption with lower rolling resistance.



SIZE RANGE Trailer



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
385/65R22.5	20	160K(158L)	15	✓	✓	C	C	74	B
385/65R22.5	24	164K	15	✓	✓	C	C	74	B
425/65R22.5	20	165K	16	✓	✓	B	C	73	B
445/65R22.5	20	169K	16	✓	✓	B	C	73	B

THE MIX SERVICE SERIES



- Used both on and off road
- Heavy loads and outstanding durability
- Special protection against the damage caused by the road condition



**TERRA MASTER
GAM66**

**TERRA MASTER
GDM77**

**TERRA MASTER
GAM55**



Reinforced bead structure design

The reinforced structure of the tire bead is used to meet the load demand in the ON/OFF application, and the product life is longer.



Special cutting resistance compound design

Special cutting resistance compound helps resist chipping, chunking and tearing for a better mileage.



High tensile cord design

High tensile cord is used in tyres to ensure their load capacity and safety in harsh operating environments.

Highway

Country Road

City

Construction Site

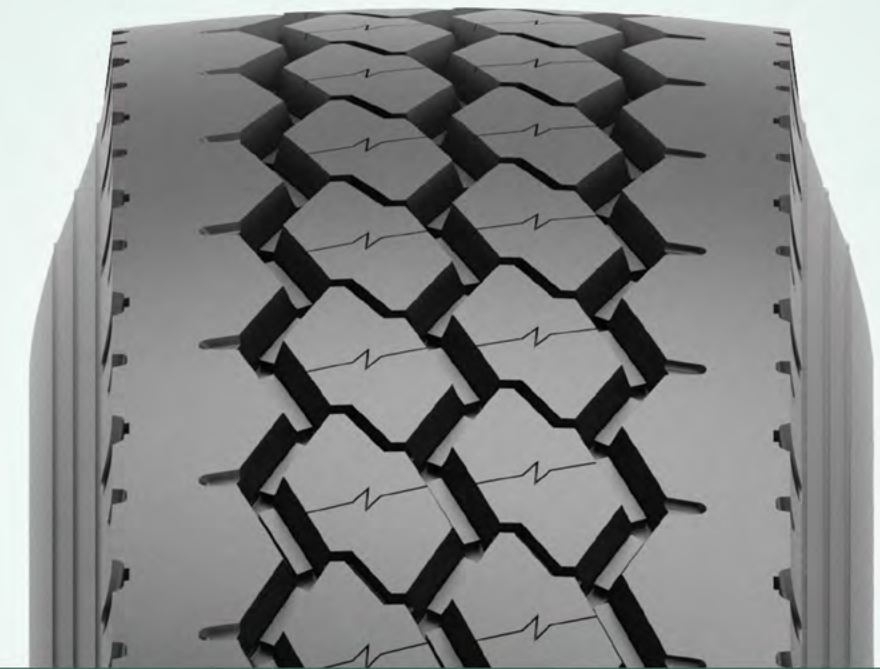


TERRA MASTER GAM66



M+S

2nd generation all position tyre with latest technology for on & off operation.



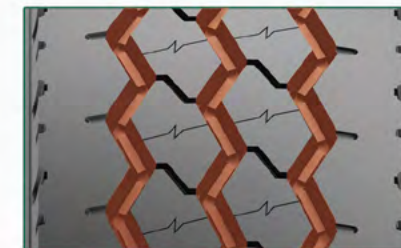
TERRA MASTER GAM66

TECHNICAL FEATURE

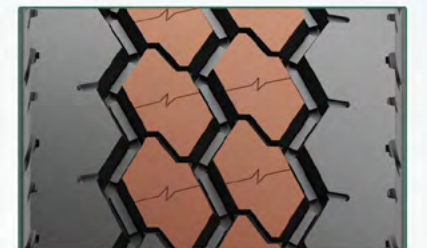
Wider tread width and solid shoulder offer improved tread stiffness, leading to an increased mileage and rolling resistance.



Three zigzag grooves and multi-angular sipes improve traction and braking performance.



Polygonal block pattern provides outstanding traction and braking performance.



SIZE RANGE All Axle



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S	❄️	🚗	🌧️	dB	🔊
13R22.5	20	156/151K	16.5	✓	✓	D	C	75	B
315/80R22.5	20	156/153K	17.5	✓	✓	D	C	75	B



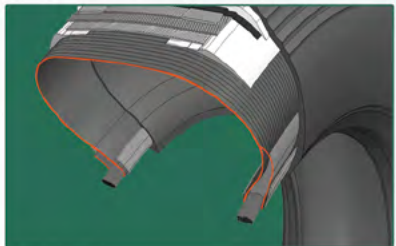
TERRA MASTER GDM77

TECHNICAL FEATURE

Aggressive direction tread with robust tread blocks providing extra traction for on/off road condition.



The reinforced bead construction provides excellent structural durability to extend tyre life.



Special rubber compound ensuring more resistance to cuts and tearing.



SIZE RANGE Drive



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S				dB	
13R22.5	20	156/151K	23	✓	✓	E	C	74	B
315/80R22.5	20	156/153K	23	✓	✓	E	B	74	B



TERRA MASTER GAMSS



New strong casing multi-service tyre for on & off operation.



TERRA MASTER GAMSS

TECHNICAL FEATURE

Aggressive multi-service, all position tread pattern promises excellent traction in ON/OFF road service.



Outstanding self-cleaning tread design ensures long-life service in ON/OFF road conditions.



Robust tread blocks and rugged casing allows for heavy loads and resist casing penetration and damage.



SIZE RANGE All Axle



SIZE	PR	LI/SS	TREAD DEPTH (MM)	M+S					dB	
385/65R22.5	20	160K(158L)	18	✓	✓	C	C	C	73	B
385/65R22.5	24	164K	18	✓	✓	C	C	C	73	B
425/65R22.5	20	165K	18	✓	✓	C	C	C	73	B
445/65R22.5	20	169K	18	✓	✓	C	C	C	73	B

[illegible]This image shows a single page of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page, leaving small gaps between them. There are no margins, text, or other markings on the paper.

[illegible]This image shows a single sheet of white paper with horizontal green ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



QINGDAO LANDSPIDER TIRE CORP.,LTD

[WWW.LANDSPIDERTIRE .COM](http://WWW.LANDSPIDERTIRE.COM)