

apollo
TYRES

PASSENGER VEHICLE TYRES GUIDE

2018/2019



apollotyres.com

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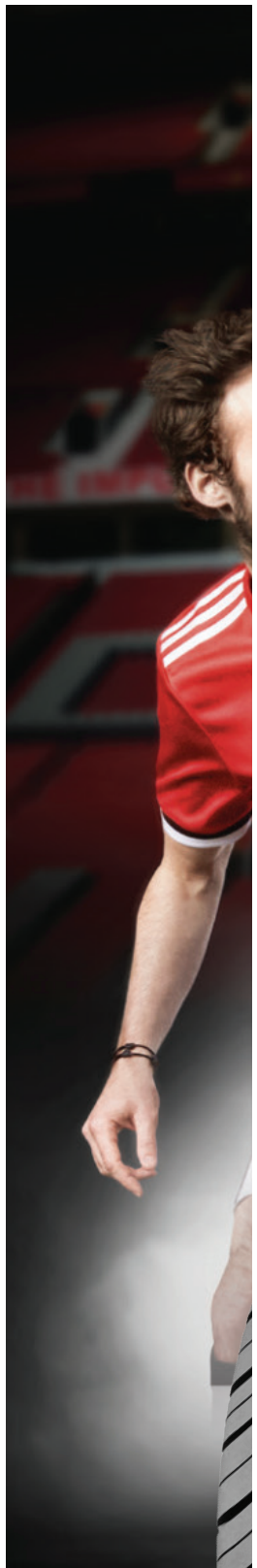
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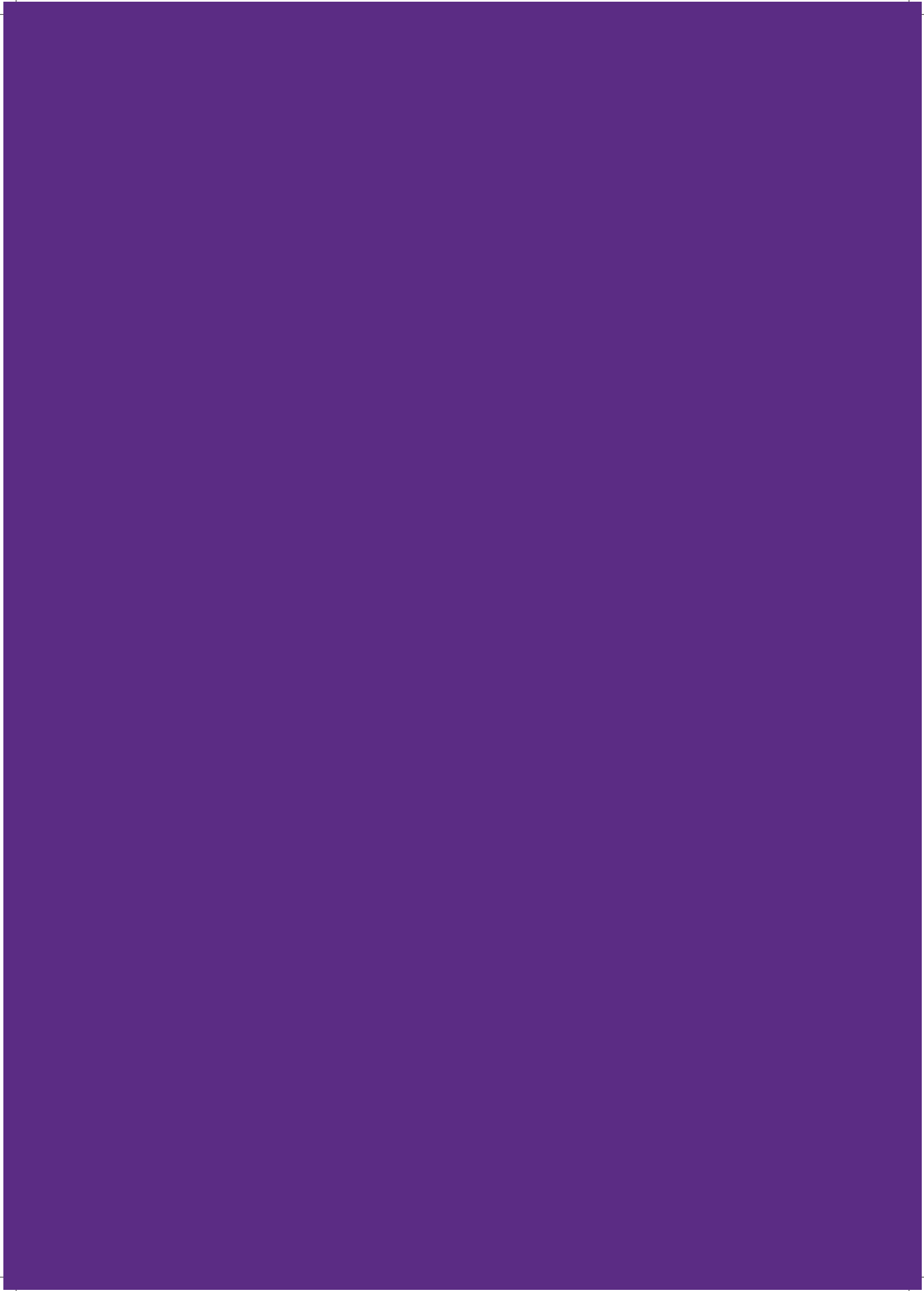
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Warranty Policy





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APOLLO TYRES AT A GLANCE



R&D CENTRE ASIA - INDIA



CHENNAI UNIT - INDIA

BRIEF CORPORATE PRESENTATION

Apollo Tyres Ltd. came into inception in 1972 and has since been a trusted name in the business of manufacture and sale of tyres. With its corporate headquarters in Gurgaon, India, Apollo Tyres caters to over a 100 countries across the globe. The company markets its products under our two

global brands- Apollo and Vredestein. These products are available in countries across the globe through a vast network of branded, exclusive and multi-product outlets. Apollo Tyres has multiple manufacturing units in India, the Netherlands and Hungary.

APOLLO TYRES AT A GLANCE



Each Ingredient of Apollo Tyres products undergoes rigorous testing and stringent quality checks before its finally cleared for sale.

Apollo Tyres MEA is a strategic Unit for Marketing and Sales which was launched in 2011 to reach out to MEA customers and expand its distributors network in the region. The company counts more than 30 distributors and more than 1000 dealerships across MEA.

APOLLO TYRES AT A GLANCE



APOLLO VISION AND VALUES

Leading Global Tyre Company

- Presence across India, Europe & other growing economies of Asia

Leading Tyre Manufacturer in India

- One of the largest radial tyre capacity in India (FY 2017)
- UHP & Winter tyres capabilities ~ 25% market share in truck tyre

Manufacturing Across 2 Continents

- Manufacturing presence in Asia & Europe

Mix of Global & Regional Brands



Extensive Distribution Network

- ~4,900 retail dealers in India
- ~3,550 dealer outlets in Europe

Large Talent Pool

- ~15,500 employees world wide
- Multi-cultural / multi-nationalities

VISION

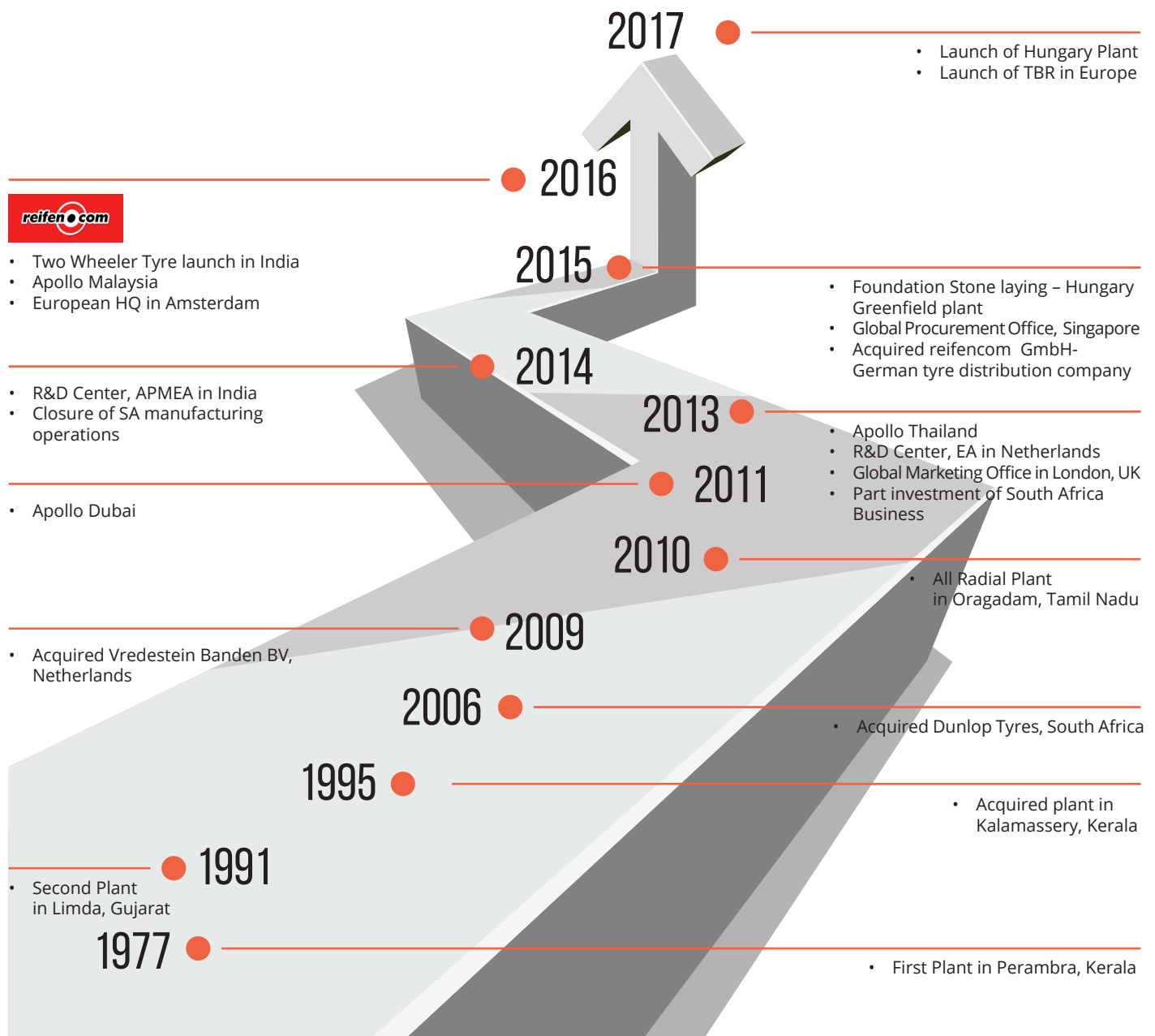
- TO BE A PREMIER TYRE COMPANY WITH A DIVERSIFIED AND MULTINATIONAL PRESENCE

VALUES

- CUSTOMER FIRST
- BUSINESS ETHICS
- CARE FOR SOCIETY
- EMPOWERMENT
- ONE FAMILY
- COMMUNICATE OPENLY

KEY MILESTONES

APOLLO'S GROWTH HAS BEEN DRIVEN BY A WELL THOUGHT STRATEGY OF ORGANIC AND INORGANIC INITIATIVES



GLOBAL PRESENCE

A PREMIUM TYRE COMPANY WITH A DIVERSIFIED AND
MULTINATIONAL PRESENCE

Presence in more than 100 Countries Worldwide



■ Headquarters
 ■ Sales & Marketing Office
 ■ Manufacturing Plant
 ■ R&D Center
 ■ Procurement Office
 ■ Global HQ

Atlanta, USA
Sales and marketing Office

London, UK
Global Headquarters

The Netherlands
Europe HQ: Amsterdam
Plant: Enschede

Hungary
Plant: gyongyoshalasz

Dubai, UAE
Sales & Marketing Office

India
India HQ & Corporate Office
gurgaon
Plants: Orangadam, Limda,
Perambra & Kalamassery
Global R&D Asia: Chennai

Bangkok, Thailand
Sales & Marketing Office

Singapore
Procurement Office

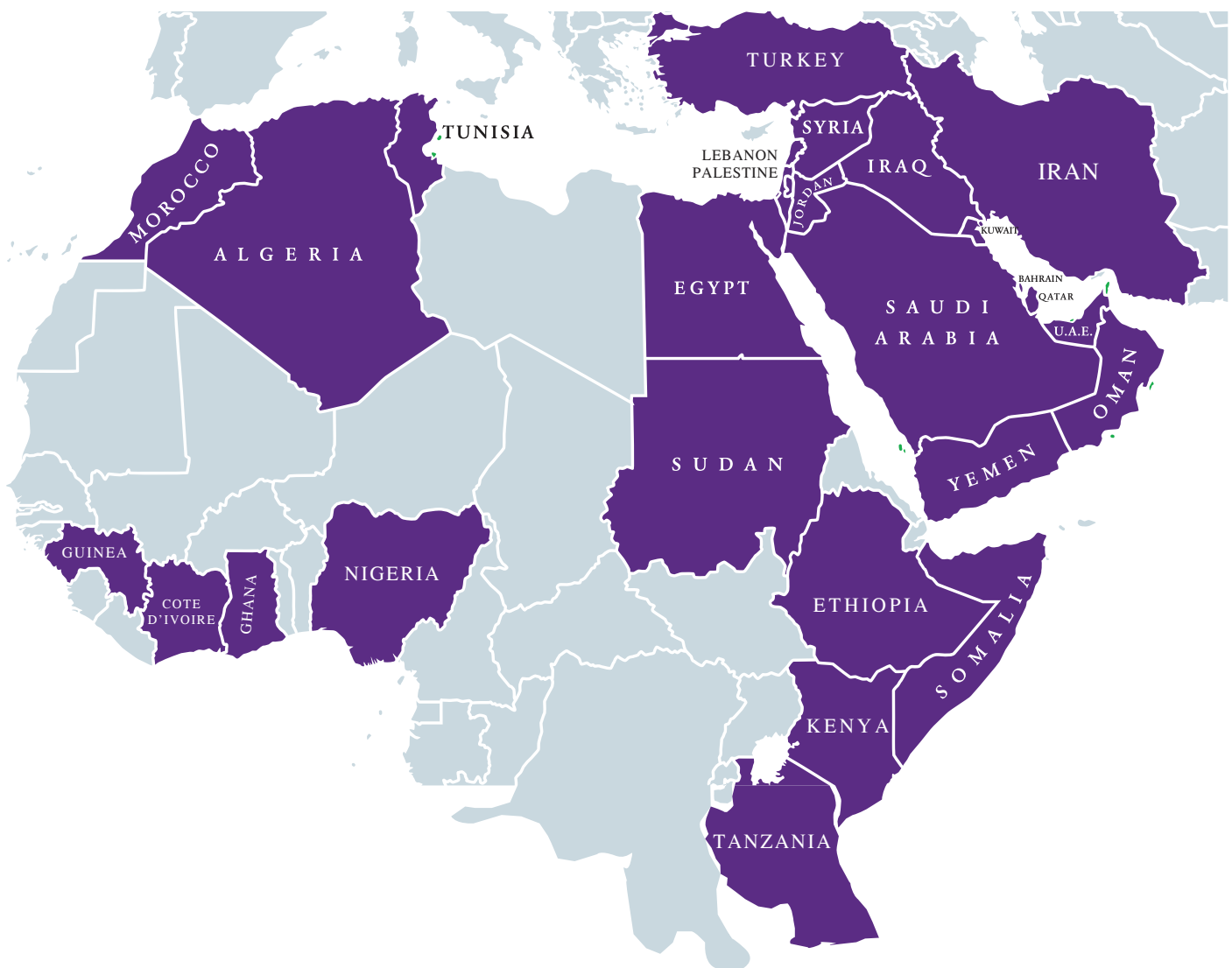
Kuala Lumpur, Malaysia
Sales & Marketing Office

**Johannesburg
South Africa**
Sales & Marketing Office

Germany
Global R&D Europe: Enschede
& Frankfurt

APOLLO MEA NETWORK

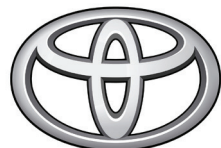
IRAN, TURKEY, KSA, KENYA, ETHIOPIA, OMAN...
AND WE ARE DEVELOPING...



OEM PARTNERS



Mercedes-Benz



TOYOTA



Audi



HYUNDAI



JOHN DEERE



TATA



Mahindra



MANCHESTER UNITED PARTNERSHIP

WHEN GREAT TEAMS MEET MAGIC HAPPENS



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PARTNERSHIP EVOLUTION

In 2013, Apollo Tyres & Manchester United Football Club have announced a three-year regional partnership in which Apollo Tyres becomes the Club's Official Tyre Partner in the UK and India..

In 2016, Apollo Tyres' partnership with Manchester United which has gradually increased its territorial rights, is now to be a global agreement. The partnership is entering a second three-year term and this time Apollo Tyres will be the Official Tyre Partner of Manchester United worldwide. . Since then the partnership has been extended to more than 100 countries across Asia, the Middle East and Africa.

A highlight of the partnership so far has been the 'Go the Distance' Scholarship Programme, which included a football camp in India supported by Manchester United Soccer Schools.

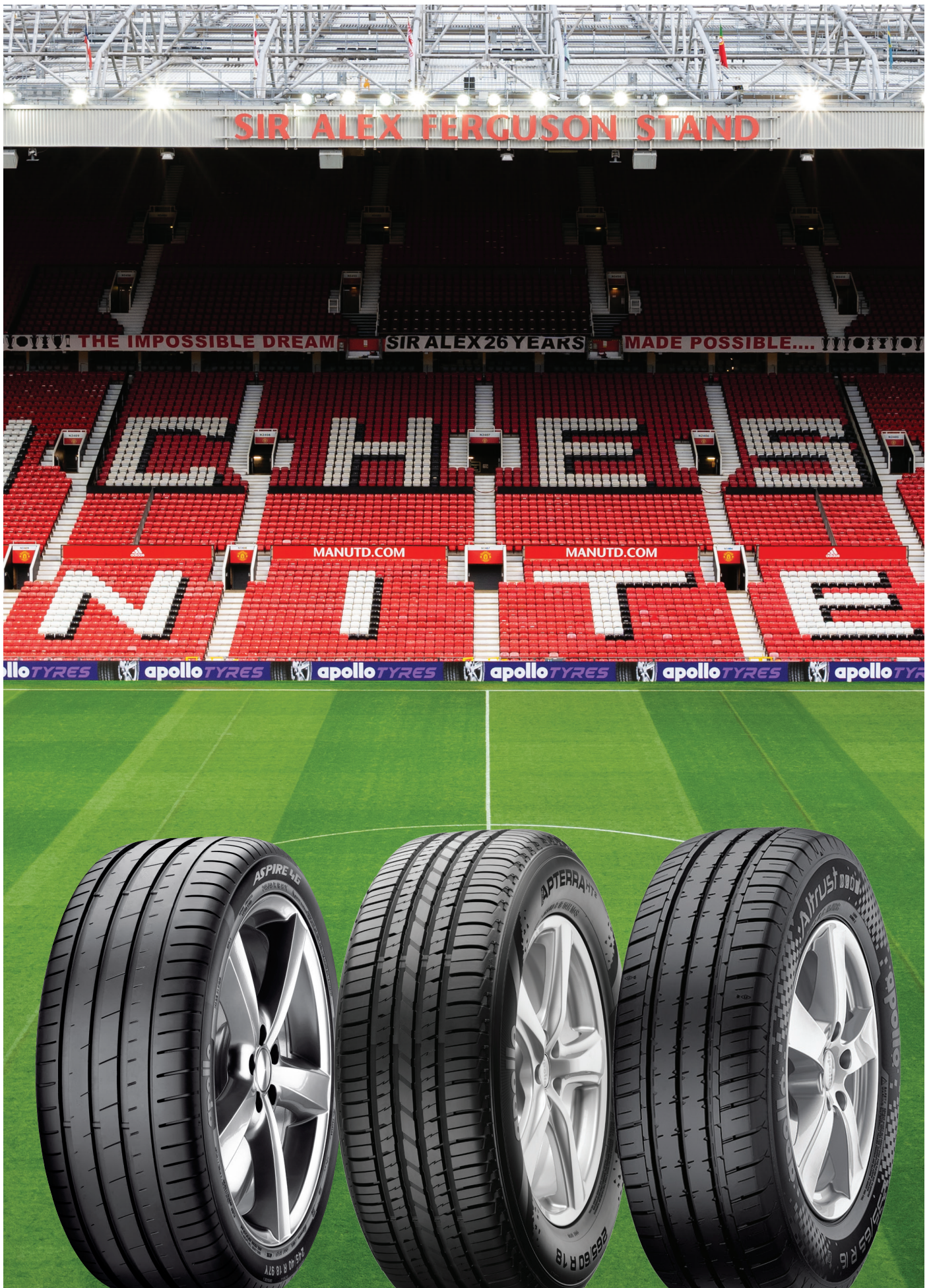


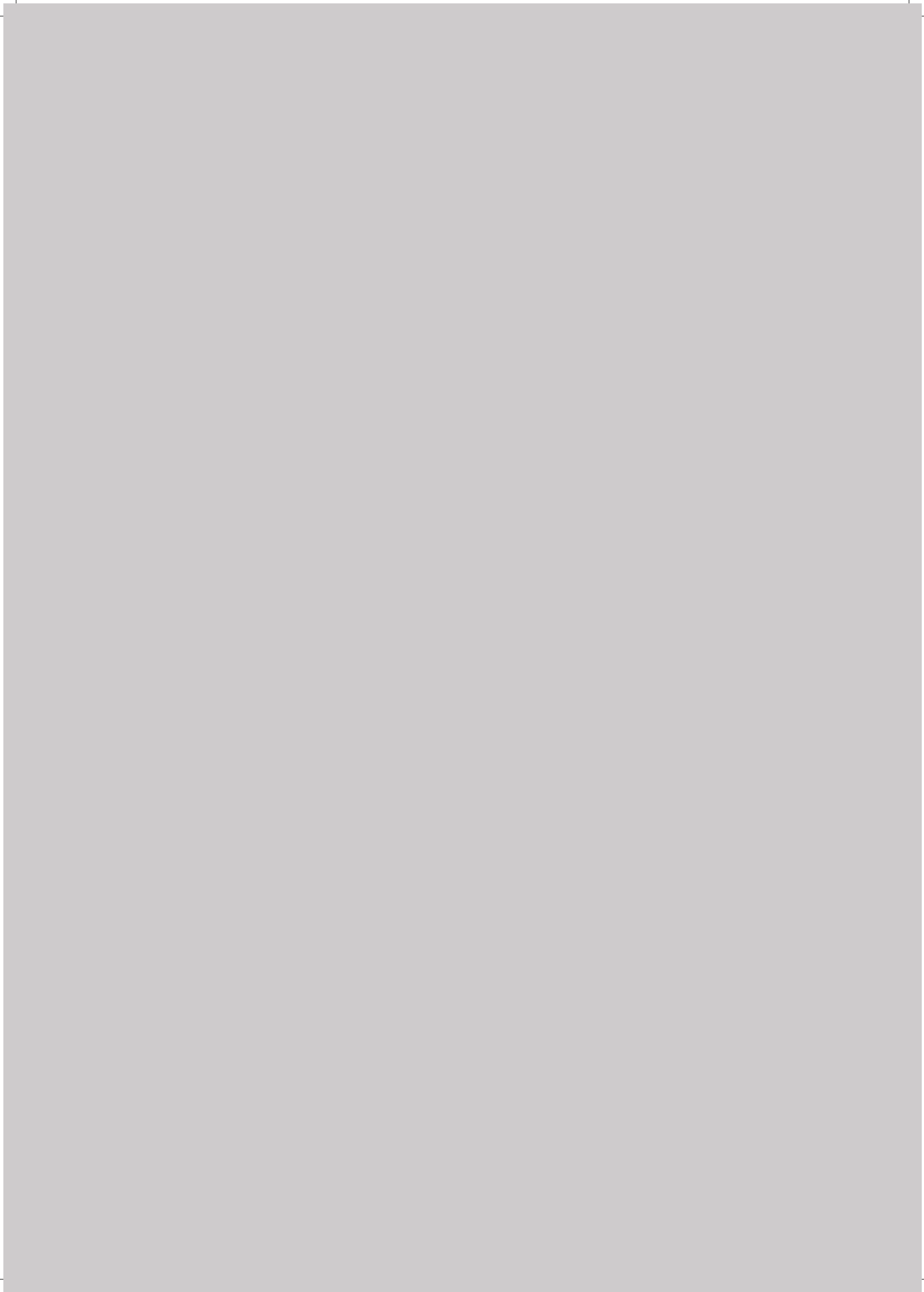
APOLLO TYRES & MANCHESTER UNITED BRANDED TYRE

This dual branded limited edition tyre will be available in select 15 inch rim size from Apollo's existing Alnac 4G range. The tyre has a modern and sporty tread pattern that is designed for superior handling in wet and dry conditions; shorter braking distance and low noise.

Designed and developed at Apollo Tyres' Global R&D Centre in Enschede, The Netherlands, Apollo- Manchester United tyres easily and precisely respond to any unexpected steering corrections, providing maximum driving safety. The unique mix of raw materials ensures maximum traction and shorter braking distances on wet and dry surfaces.







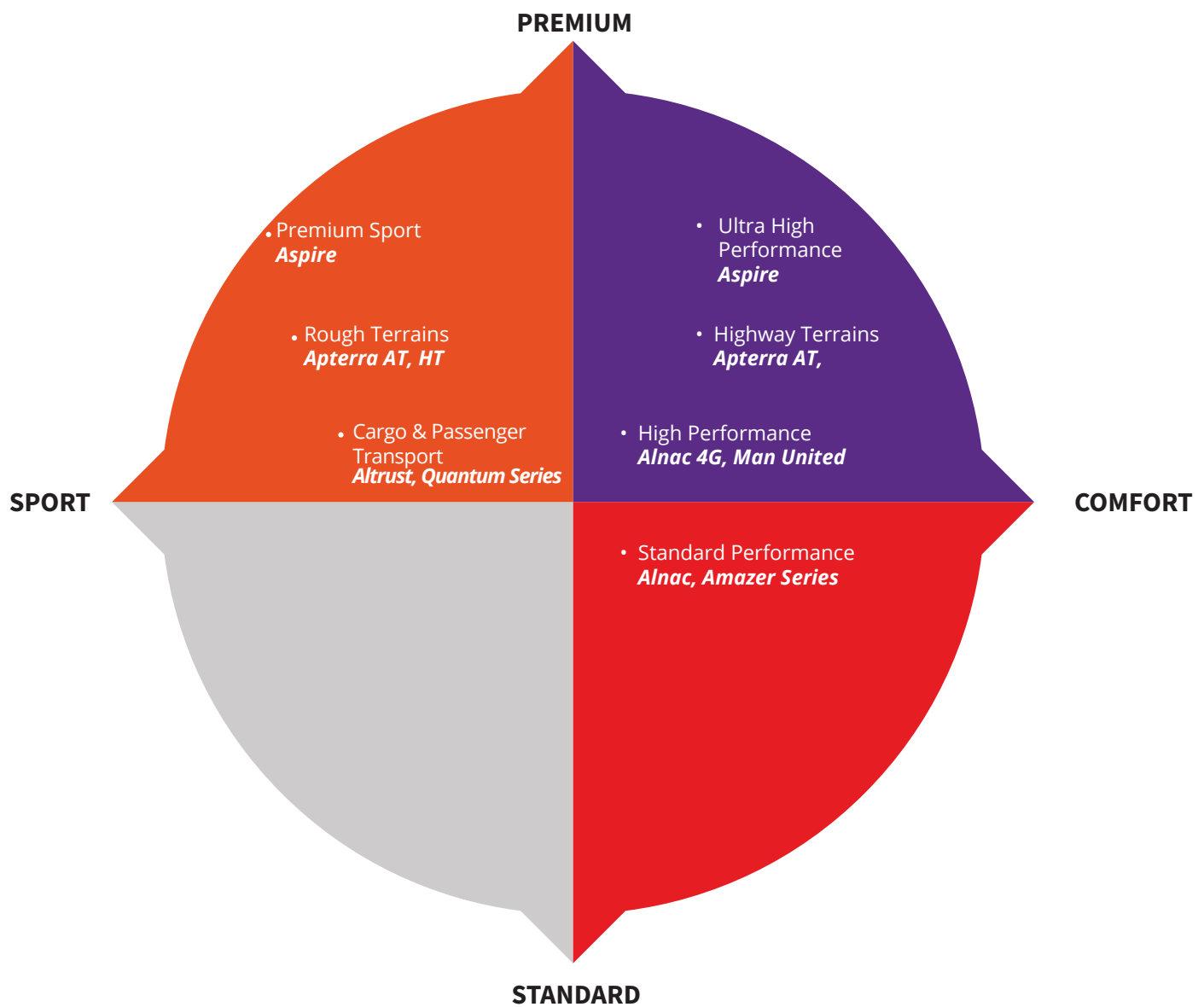
TYRE SELECTION

PRODUCT SEGMENTATION



Wheel Rim Diameters (Inches)	Apollo Tyres Product	Applicable Vehicle Segment
13" to 14"	Alnac	Compact Hatchback/Mini Sedan Cars
12" to 15"	Amazer 3G Maxx, Amazer XL, Amazer 4G ECO	Compact Hatchback/Mini Sedan Cars
14" to 17"	Alnac 4G, Manchester United	Standard Sedan Cars
16" to 20"	Aspire, Aspire 4G, Aspire XP	Premium & Luxury Cars
15" to 18"	Apterra AT, HL, HP, HT, HT2	SUV & 4X4 Cars
14" to 16"	Altrust APME, Altrust EU, Quantum, Quantum+	Light Commercial Pick-Ups & Mini Vans

PRODUCT MAP



Alnac

EXCELLENT HANDLING AND PERFECT TRACTION

HATCHBACK & SEDAN CARS CITY APPLICATION

- Excellent ride
- Optimal Handling
- Good dry and wet traction



Benefits	Performance Superiority	Features
Excellent handling	Excellent control at high speed	Robust tyre construction
Good dry & wet performance	Optimum wet & dry traction	Good traction compound & Balanced land sea ratio
Low noise	Low noise at high speeds	Optimised tyre cavity & pitch sequencing of tread shoulder blocks



S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	175/60 R13	77	H		300	A	A	F	E	70	))
2	175/70 R13	82	H		300	A	A	F	E	70	))
3	185/70 R13	86	H		300	A	A	F	E	70	))
4	205/60 R13	87	H		300	A	A	F	E	70	))
5	165/65 R14	79	H		300	A	B	F	E	70	))
6	175/70 R14	84	H		300	A	B	F	E	70	))
		84	T		300	A	B	F	E	70	))
7	195/70 R14	91	H		300	A	A	F	E	70	))

Alnac 4G

SUPERB HANDLING AND BRAKING

**PREMIUM HATCHBACK
PREMIUM SEDAN & COMPACT SUV
CITY APPLICATION**

- **High quality driving precision**
- **Outstanding control**
- **Improved braking & impeccable stability while cornering**



Benefits	Performance Superiority	Features
Excellent vehicle stability during highway driving	Precise steering control during lane change	Tread pattern with larger outer shoulder
Precise vehicle control during city driving	High in steering precision	Stiffer rib at centre and specially optimized contact patch
Confidence during emergency situation	Exceptional dry braking	Tread compound based on higher Tg (Glass transition temperature) rubber



S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	185/60 R14	82	H		280	AA	A	F	E	68	1
2	195/60 R14	86	H		280	AA	A	E	E	68	1
3	205/60 R14	88	H		300	B	A	F	E	68	1
4	185/65 R14	86	H		280	AA	A	E	E	68	1
5	185/70 R14	88	H		280	AA	A	F	E	68	1
6	195/50 R15	82	V		280	AA	A	F	E	68	1
7	185/55 R15	82	H		280	AA	A	F	E	68	1
8	185/55 R15	82	V		280	AA	A	F	E	68	1
9	195/55 R15	85	H		280	AA	A	E	E	68	1
10	195/55 R15	85	V		280	AA	A	E	E	68	1
11	185/60 R15	84	H		280	AA	A	E	E	68	1
12	185/60 R15	88	H		280	AA	A	F	E	68	1
13	195/60 R15	88	H		280	AA	A	E	E	68	1
14	205/60 R15	91	H		280	AA	A	F	E	68	1
15	205/60 R15	91	V		280	AA	A	F	E	68	1
16	185/65 R15	88	H		280	AA	A	F	E	68	1
17	195/65 R15	91	H		280	AA	A	F	E	68	1
18	195/65 R15	91	V		280	AA	A	F	E	68	1
19	205/65 R15	94	H		280	AA	A	F	E	68	1
20	205/65 R15	94	V		280	AA	A	F	E	68	1
21	195/45 R16	84	V	XL	280	AA	A	E	E	68	1
22	195/50 R16	88	V	XL	280	AA	A	F	E	68	1
23	195/55 R16	87	H		280	AA	A	E	E	68	1
24	205/55 R16	91	H		280	AA	A	F	E	68	1
25	205/55 R16	91	V		280	AA	A	F	E	68	1
26	215/55 R16	93	V		280	AA	A	F	E	68	1
27	205/60 R16	92	H		280	AA	A	F	E	68	1
28	205/60 R16	92	V		280	AA	A	F	E	68	1
29	215/60 R16	95	V		280	AA	A	F	E	68	1
30	215/60 R16	99	V	XL	280	AA	A	F	E	68	1
31	225/60 R16	98	H		280	AA	A	F	E	68	1
32	205/50 R17	89	V		280	AA	A	F	E	68	1

AMAZER 3G MAXX

FUEL EFFICIENT & LOW NOISE TYRE

ENTRY LEVEL HATCHBACK & SEDAN CARS

- Better fuel efficiency
- Low noise
- Great grip for dry and wet performance



Benefits	Performance Superiority	Features
Good wet and dry performance	Balanced Performance on dry and wet surface	Asymmetric Tread Pattern Design
Low noise	Balanced tread noise performance	Optimized Sipe Density
Better Directional stability	Stable contact patch during braking	Connected Shoulder blocks



S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	165/65 R13	77	T		300	B	B	F	B	71	2
2	165/70 R13	79	T		300	B	B	F	B	71	2
3	165/70 R13	83	T	XL	300	B	B	E	B	71	2
4	175/70 R13	82	T		300	B	B	E	B	71	2
5	165/80 R13	83	T		300	B	B	E	B	71	2
6	185/60 R14	82	T		300	B	B	E	B	71	2
7	165/65 R14	79	H		300	B	B	F	B	71	2
8	175/65 R14	82	T		300	B	B	E	B	71	2
9	175/65 R14	86	T	XL	300	B	B	E	B	71	2
10	185/65 R14	86	T		300	B	B	E	B	71	2
11	195/65 R14	89	T		300	B	B	E	B	71	2
12	175/70 R14	84	T		300	B	B	E	B	71	2
13	175/70 R14	88	T	XL	300	B	B	E	B	71	2
14	185/70 R14	88	T		300	B	B	E	B	71	2
15	185/65 R15	88	T		300	B	B	E	B	71	2
16	195/65 R15	91	T		300	B	B	E	B	71	2

AMAZER XL

LONG LIFE STANDARD PERFORMANCE

MINI, COMPACT, MUV & VAN

- Reinforced tyre casing
- Long lasting tyre
- Specially designed for low noise
- Visual alignment indicator for detecting any misalignment wear in the tyre



Benefits	Performance Superiority	Features
High mileage	Long lasting tyres	High wear resistant compound
Standard Ride and Handling	Standard performance	Optimised tyre construction
High structural durability	Long lasting durability	Strong Belts& Stabilised treads



AMAZER XL Sizes

S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	145/70 R12	69	T		-	-	-	-	C	71	))
2	155/70 R12	73	T		400	B	B	-	C	71	))
3	185/60 R13	80	T		400	B	B	-	C	-	-
4	165/65 R13	77	T		400	B	B	-	C	71	))
5	185/70 R13	86	T		400	B	B	-	C	-	-
6	165/80 R13	83	T		400	B	B	-	C	71	))
7	185/70 R14	88	T		400	B	B	-	C	-	-
8	195/70 R14	91	T		400	B	B	-	C	-	-
9	165/80 R14	85	T		400	B	B	-	C	71	))
10	195/70 R15	92	S		400	B	B	-	C	-	-
11	205/70 R15	95	S		400	B	B	-	C	-	-
12	215/75 R15	100	S		400	B	B	E	C	-	-
13	185/85 R16	105	Q	8PR	-	-	-	E	C	-	-
14	145 R12C	86	Q	8PR	-	-	-	-	C	71	))
		80	S		-	-	-	-	C	71	))
15	175 R13C	97/95	S	8PR	-	-	-	E	C	71	))

AMAZER 4G *eco*

FUEL EFFICIENT, SAFE & RELIABLE

COMPACT CAR SEGMENT

- Optimized safety
- Green performance
- High driving Comfort



Benefits	Performance Superiority	Features
Safety First	a) Wider circumferential grooves to optimise water dispersion from the tyre and minimise the risk of aquaplaning b) Improved handling and braking on wet roads c) Optimised stiffness of the tyre structure for a quick and precise steering response	Better braking and steering response
Green Performance	25% better rolling resistance** a) Silica tread compound and tyre construction designed to lower rolling resistance	Lower Rolling Resistance (LRR)
Driving Comfort	a) Optimised pitch sequence of tread blocks provide a high level of acoustic comfort	Low noise and comfortable ride

** Internal testing versus predecessor in development size 175/65R14 82T



AMAZER 4G ECO Sizes

S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	155/65 R13	73	T		300	B	A	B	B	69	)
2	165/65 R13	77	T		300	B	A	B	B	69	)
3	145/70 R13	71	T		300	B	A	B	B	69	)
4	155/70 R13	75	T		300	B	A	B	B	69	)
5	165/70 R13	79	T		300	B	A	B	B	69	)
		83	T	XL	300	B	A	B	B	69	)
6	175/70 R13	82	T		300	B	A	B	B	69	)
7	145/80 R13	75	T		300	B	A	B	B	69	)
8	155/80 R13	79	T		300	B	A	B	B	69	)
9	165/80 R13	83	T		300	B	A	B	B	69	)
10	185/60 R14	82	T		300	B	A	B	B	69	)
11	155/65 R14	75	T		300	B	A	B	B	69	)
12	165/65 R14	79	T		300	B	A	B	B	69	)
13	175/65 R14	82	T		300	B	A	B	B	69	)
14	185/65 R14	86	T		300	B	A	B	B	69	)
15	165/70 R14	81	T		300	B	A	B	B	69	)
		85	T	XL	300	B	A	B	B	69	)
16	175/70 R14	84	T		300	B	A	B	B	69	)
		88	T	XL	300	B	A	B	B	69	)
17	185/70 R14	88	T		300	B	A	B	B	69	)
18	165/65 R15	81	T		300	B	A	B	B	69	)
19	175/65 R15	84	T		300	B	A	B	B	69	)
20	185/65 R15	88	T		300	B	A	B	B	69	)
		92	T	XL	300	B	A				
21	195/65 R15	95	T	XL	300	B	A			71	))
		91	T		300	B	A			71	))

ASPIRE

THE SPORTY PERFORMANCE

PREMIUM SEDAN

- Unidirectional V shaped tread design for excellent dry and wet performance
- Optimized stability and safety
- Better fuel efficiency



Benefits	Performance Superiority	Features
Good resistance to aqua planning	Excellent wet performance	V shaped tread design with high optimised land sea ratio
Excellent handling	Excellent control at high speed & quick steering response	Wider shoulder blocks for better stability
Low RRC	Better fuel economy	Special silica tread compound



S/N	Tyre Size	LI	SS	PR	Tread-wear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	205/40 R17	84	W		280	AA	A	E	B	69	))
2	215/40 R17	87	W		280	AA	A	E	B	69	))
3	215/45 R17	91	W		280	AA	A	E	B	69	))
4	215/35 R18	84	Y		280	AA	A	E	B	69	))
5	225/40 ZR18	92	Y		280	AA	A	E	B	69	))
6	235/40 R18	91	W		280	AA	A	E	B	69	))
7	245/40 R18	93	W		280	AA	A	E	B	69	))
8	235/35 R19	91	W		280	AA	A	E	B	69	))

ASPIRE 4G

EXCEPTIONAL HIGH SPEED BRAKING & COMFORT

ULTRA HIGH PERFORMANCE LUXURY
AND SUPER LUXURY CARS

- **Advanced safety**
- **Excellent handling**
- **Brilliant traction**
- **Improved stability on all conditions**



Benefits	Performance Superiority	Features
Outstanding safety during high speed driving	Excellent steering response and vehicle control	Tread pattern with Wider outer shoulder
Excellent vehicle control on dry and wet road	Exceptional Dry and Wet grip	Silica based tread material
Superb acoustic comfort	Lower tyre noise	Unique Tread pattern and pitch sequencing



ASPIRE 4G Sizes

S/N	Tyre Size	LI	SS	PR	Tread-wear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	205/45 R16	87	Y	XL	280	AA	A	E	B	72	))
2	205/55 R16	91	W		280	AA	A	E	B	72	))
3	215/55 R16	97	W	XL	280	AA	A	E	B	72	))
4	225/55 R16	95	W		280	AA	A	E	B	72	))
5	205/40 R17	84	W	XL	280	AA	A	E	B	72	))
6	205/45 R17	88	W	XL	280	AA	A	E	B	72	))
7	215/45 R17	91	Y	XL	280	AA	A	E	B	72	))
8	225/45 R17	94	W	XL	280	AA	A	E	B	72	))
9	235/45 R17	97	W	XL	280	AA	A	E	B	72	))
10	245/45 R17	99	Y	XL	280	AA	A	E	B	72	))
11	205/50 R17	93	W	XL	280	AA	A	E	B	72	))
12	215/50 R17	95	Y	XL	280	AA	A	E	B	72	))
13	225/50 R17	98	W	XL	280	AA	A	E	B	72	))
14	215/55 R17	94	Y		280	AA	A	E	B	72	))
15	225/55 R17	101	Y	XL	280	AA	A	E	B	72	))
16	235/55 R17	99	Y		280	AA	A	E	B	72	))
17	275/35 R18	95	Y		280	AA	A	E	B	72	))
18	225/40 R18	92	Y	XL	280	AA	A	E	B	72	))
19	235/40 R18	95	Y	XL	280	AA	A	E	B	72	))
20	245/40 R18	97	Y	XL	280	AA	A	E	B	72	))
21	225/45 R18	95	Y	XL	280	AA	A	E	B	72	))
22	235/45 R18	98	Y	XL	280	AA	A	E	B	72	))
23	245/45 R18	100	Y	XL	280	AA	A	E	B	72	))
24	255/45 R18	103	Y	XL	280	AA	A	E	B	72	))
25	245/50 R18	104	W	XL	280	AA	A	F	B	72	))
26	235/35 R19	91	Y	XL	280	AA	A	E	B	72	))
27	255/35 R19	96	Y	XL	280	AA	A	E	B	72	))
28	275/35 R19	100	Y	XL	280	AA	A	E	B	72	))
29	245/40 R19	98	W	XL	280	AA	A	E	B	72	))
30	235/35 R20	92	Y	XL	280	AA	A	E	B	72	))
31	245/35 R20	95	Y	XL	280	AA	A	E	B	72	))

ASPIRE XP

OUTSTANDING LEVELS OF ON-ROAD COMFORT WITH A HIGH DEGREE OF SAFETY

PREMIUM SEDAN AND SUV

- Outstanding driving experience for cars and SUV's on both dry and wet roads
- Comfortable and almost Noise free ride
- Superior steering response



Benefits	Performance Superiority	Features
Safety First	a) 22% better handling on wet roads during high speed manoeuvres thanks to improved silica tread compound** b) 7% shorter braking distance in wet road conditions**	Better braking and handling at high speeds on wet roads
Dry Performance	Stiffer outer shoulder blocks and central lane a) 4% shorter braking distance in dry weather conditions** b) Higher steering response accuracy	Shorter braking distance and superior steering response
Driving Comfort	a) Sipes on the inside shoulder reduce interior noise b) Improved absorption of shocks thanks to more flexible sidewall materials	Low noise and comfortable ride due to flexible sidewall

ASPIRE XP Sizes

S/N	Tyre Size	LI	SS	PR	Tread-wear	Traction	Tempera-ture	RRC Level	WG Level	Noise (dBA)	Noise Level
1	205/45 R16	87	Y	XL	280	AA	A	C	A	70	))
2	205/55 R16	91	W		280	AA	A	C	A	70	))
3	215/55 R16	97	W	XL	280	AA	A	B	A	70	))
4	225/55 R16	99	Y	XL	280	AA	A	C	A	70	))
		95	W		280	AA	A	C	A	70	))
5	205/40 R17	84	W	XL	280	AA	A	C	A	70	))
6	215/40 R17	87	Y	XL	280	AA	A	C	A	70	))
7	245/40 R17	95	Y	XL	280	AA	A	C	A	71	))
8	205/45 R17	88	W	XL	280	AA	A	C	A	70	))
9	215/45 R17	91	Y	XL	280	AA	A	C	A	70	))
10	225/45 R17	94	Y	XL	280	AA	A	C	A	70	))
		91	Y		280	AA	A	C	A	70	))
11	235/45 R17	97	Y	XL	280	AA	A	B	A	70	))
12	245/45 R17	99	Y	XL	280	AA	A	C	A	71	))
13	205/50 R17	93	W	XL	280	AA	A	C	A	70	))
14	215/50 R17	95	Y	XL	280	AA	A	B	A	70	))
15	225/50 R17	98	Y	XL	280	AA	A	B	A	70	))
16	215/55 R17	94	Y		280	AA	A	B	A	70	))
17	225/55 R17	101	Y	XL	280	AA	A	B	A	70	))
18	235/55 R17	103	V	XL	280	AA	A	B	A	70	))
19	215/60 R17	96	V		280	AA	A	C	A	70	))
20	225/60 R17	99	V		280	AA	A	C	A	70	))
21	225/65 R17	102	V		280	AA	A	B	A	70	))
22	235/65 R17	108	V	XL	280	AA	A	B	A	70	))
23	245/35 R18	92	Y	XL	280	AA	A		A		
24	255/35 R18	94	Y	XL	280	AA	A		A		
25	265/35 R18	97	Y	XL	280	AA	A		A		
26	275/35 R18	99	Y	XL	280	AA	A		A		
27	225/40 R18	92	Y	XL	280	AA	A	C	A	70	))
28	235/40 R18	95	Y	XL	280	AA	A	C	A	70	))
29	245/40 R18	97	Y	XL	280	AA	A	B	A	71	))
30	225/45 R18	95	Y	XL	280	AA	A	C	A	70	))
31	235/45 R18	98	Y	XL	280	AA	A	C	A	70	))
32	245/45 R18	100	Y	XL	280	AA	A	B	A	71	))
33	255/45 R18	103	Y	XL	280	AA	A	B	A	71	))
34	235/50 R18	97	V		280	AA	A	C	A	70	))
35	245/50 R18	100	Y		280	AA	A	C	A	71	))
36	215/55 R18	99	V	XL	280	AA	A	B	A	70	))
37	225/55 R18	98	V		280	AA	A	B	A	70	))
38	235/55 R18	100	V		280	AA	A	B	A	70	))
39	255/55 R18	109	Y	XL	280	AA	A		A		
40	235/60 R18	107	W	XL	280	AA	A	B	A	70	))
41	255/60 R18	112	V	XL	280	AA	A	B	A	71	))
42	235/35 R19	91	Y	XL	280	AA	A		A		
43	255/35 R19	96	Y	XL	280	AA	A		A		
44	275/35 R19	100	Y	XL	280	AA	A	B	A		
45	235/40 R19	96	Y	XL	280	AA	A	C	A	70	))
46	245/40 R19	98	Y	XL	280	AA	A	C	A	71	))
47	255/40 R19	100	Y	XL	280	AA	A	C	A	71	))
48	255/50 R19	107	Y	XL	280	AA	A	B	A	71	))
49	235/55 R19	101	W		280	AA	A	C	A	70	))
50	255/55 R19	111	V	XL	280	AA	A	B	A	71	))

APTERRA AT

BUILT TO RULE OFF ROAD

ON/OFF ROADER SUV FOR ALL TERRAIN APPLICATION

- Excellent off road grip
- Fast-precise steering control on mud and slush
- Durability during off-road as well as on-road application



Benefits	Performance Superiority	Features
Excellent off-road Performance	Suitable for mud , slush , sand and graver terrain	Center to shoulder cross grooves opening. Wider shoulder grooves
Great Control	Fast and precise steering Superb stability during corner on all terrains	Stiffer shoulder blocks with continuous Skew shaped centre rib
Improved durability with long life	Tackle rocks and sharp stones effortlessly	Reinforced construction with unique tread design & cut, chip, wear resistant material



S/N	Tyre Size	LI	SS	PR	Tread- wear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	31X10.5 R15	109	S		-	-	-	F	E	72	))
2	225/70 R15	100	S		-	-	-	F	E	72	))
3	215/75 R16	113/111	S		-	-	-	F	E	72	))
4	235/85 R16	118/116	R		-	-	-	E	E	72	))
5	235/65 R17	104	S		-	-	-	F	E	72	))
6	265/70 R17	115	S		-	-	-	E	E	72	))

APTERRA HT

SUPERB ALL ROUND PERFORMANCE WITH OPTIMIZED GRIP

GENERAL PURPOSE SUV FOR PERSONAL AND
COMMERCIAL APPLICATION WITH ADDED OFF
ROAD CAPABILITY

- Maximum durability
- Enhanced steering



Benefits	Performance Superiority	Features
Superb durability	Excellent life time performance	Robust tyre construction with wear, cut & chipping resistant tread
Quick steering response with improved vehicle control	Fast and precise steering response	Unique tread design with stiffer centre rib and stronger shoulder
Optimized grip on wet and off-road application	Improved safety on wet road with optimum off-road Performance	FEA (Finite Element Analysis) optimized tread groove and sipes



APTERRA HT Sizes

S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	265/70 R15	112	S		400	B	B	E	E	72	))
			T		400	B	B	E	E	72	))
2	255/70 R15	108	S		400	B	B	E	E	72	))
			T		400	B	B	E	E	72	))
3	235/75 R15	105	S		400	B	B	F	E	72	))
			T		400	B	B	F	E	72	))
4	235/70 R16	105	S		400	B	B	F	E	72	))
		105	T		400	B	B	F	E	72	))
5	245/70 R16	111	S	XL	400	B	B	E	E	72	))
			T	XL	400	B	B	E	E	72	))
6	265/70 R16	112	H		400	B	B	E	E	72	))
7	275/70 R16	114	T		400	B	B	E	E	72	))
8	235/60 R17	102	T		400	B	B	F	E	72	))
9	265/65 R17	112	S		400	B	B	E	E	72	))
10			T		400	B	B	E	E	72	))

APTERRA HT2

SUPER SILENT TYRE WITH OUTSTANDING LIFETIME COMFORT

ALL SUVS USED FOR ON ROAD HIGH
PERFORMANCE APPLICATION

- Long lasting tyre
- Silent and comfortable ride
- Excellent safety at high speeds



Benefits	Performance Superiority	Features
Longer service life	Enhanced wear life	Wear resistant Tread compound
Silent comfortable driving throughout the life	Low on noise even after wear	FEA (Finite Element Analysis) optimized multi pitch tread design
Highly comfortable even on rough roads	Best-in-class road shock absorption without loss of geometric stability	Specially designed tyre contour & construction
Excellent Safety during high speed driving and braking	Superb dry and wet grip for faster braking	High quality rubber compound with unique tread pattern design



PTERRA HT2 Sizes

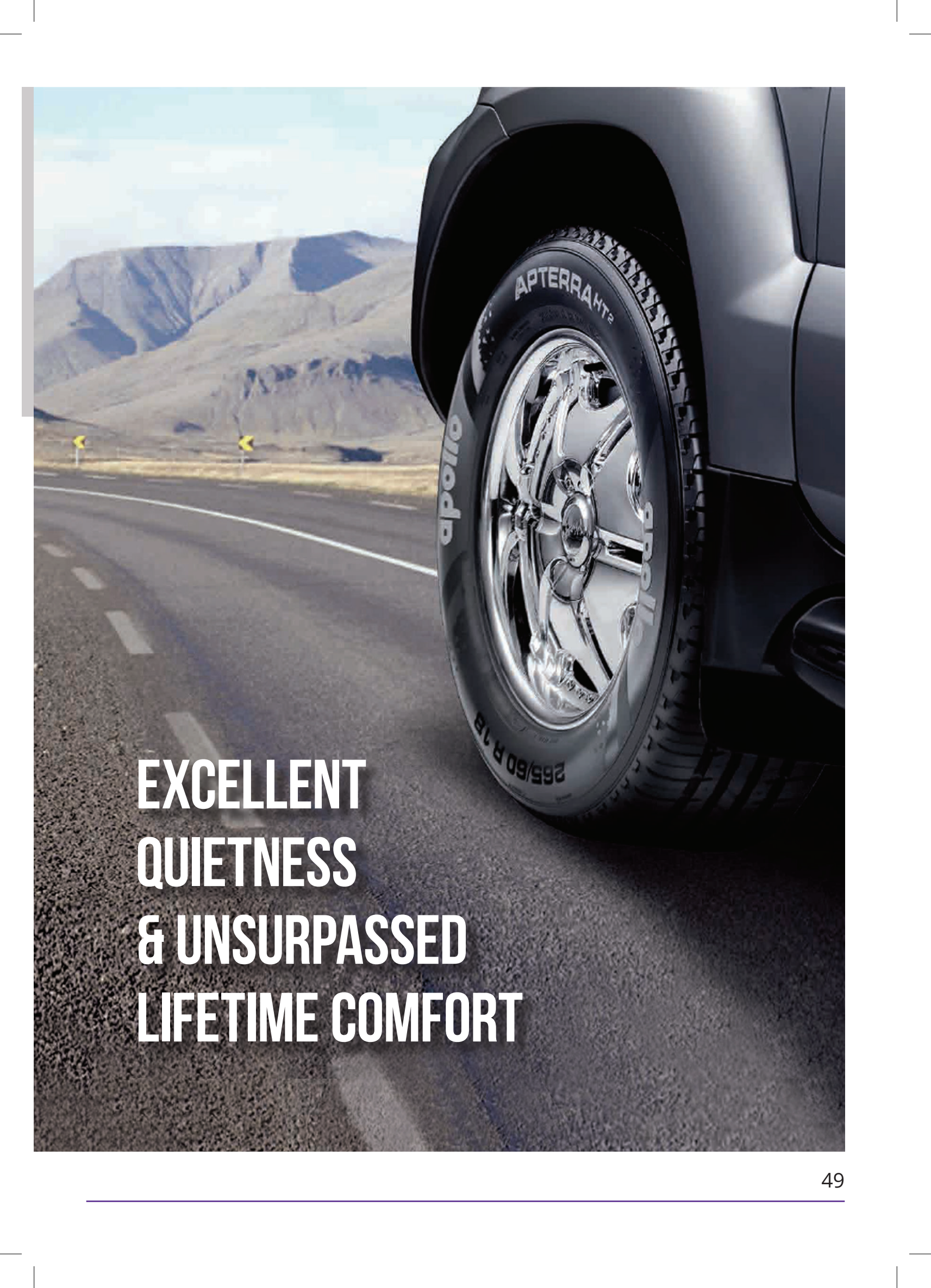
S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	245/70 R16	111	T	XL	460	A	A	E	C	74	)))
2	255/70 R16	115	T	XL	460	A	A	E	C	74	)))
3	245/75 R16	111	T		460	A	A	E	C	74	)))
4	255/60 R17	110	H	XL	460	A	A	E	C	74	)))
5	265/65 R17	112	H		460	A	A	E	C	74	)))
6	245/65 R17	111	H	XL	460	A	A	E	C	74	)))
7	275/65 R17	119	H	XL	460	A	A	C	C	74	)))
8	285/65 R17	116	H		460	A	A	E	C	74	)))
9	265/70 R17	115	H		460	A	A	E	C	74	)))
10	225/60 R18	104	H	XL	460	A	A	E	C	74	)))
11	265/60 R18	114	H	XL	460	A	A	E	C	74	)))
12	285/60 R18	120	V	XL	460	A	A	E	C	74	)))
13	265/70 R18	116	T		460	A	A	E	C	74	)))

APTERRA HT2

Outlined White Lettering



Tyre Size		Vehicle Model	
215/75 R15		Mahindra Bolero & Mahindra TUV300	
235/70 R16		Mahindra Thar & Mahindra Scorpio	
265/65 R17		Toyota Fortuner & Mitsubishi Pajero Sport	
Excellent Safety during high speed driving and braking		Superb dry and wet grip for faster braking	



**EXCELLENT
QUIETNESS
& UNSURPASSED
LIFETIME COMFORT**

APTERRA HL

SUPER SILENT TYRE FOR HIGHWAY DRIVE

SUV APPLICATION

- Superior wet and dry performance
- Excellent steering response
- Exceptionally low noise level for a comfortable ride



Benefits	Performance Superiority	Features
Excellent wet and dry performance	Superior wet and dry performance	Asymmetric Pattern
Excellent directional stability	Highly reliable at high speeds	Circumferential grooves
Good steering response	Excellent handling	Robust Construction
Low noise	Comfortable ride	Optimised pattern



APTERRA HL Sizes

S/N	Tyre Size	Product Name	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	205/65 R15	APTERRA HL	99	S		400	B	B	E	C	70	))
2	215/65 R16	APTERRA HL	98	H		400	B	B	E	C	70	))
3	215/70 R16	APTERRA HL	100	H		400	B	B	E	C	70	))

APTERRA HP

OUTSTANDING HANDLING AND BRAKING FOR SUV ENTHUSIASTS

SUV FOR ON ROAD USAGE

- Superior handling and cornering at higher speed
- Precise steering response and directional stability
- Enhanced wet handling and braking
- Super silent tyre



Benefits	Performance Superiority	Features
Precise steering control	Enhanced steering response	Stiffness optimized longitudinal rib with strong shoulder design
Excellent vehicle control at high speeds	Outstanding stability	Stabilizer grooves in shoulder rib
Enhanced Safety	Excellent dry braking	High quality rubber compound with unique tread pattern design



APTERRA HP Sizes

S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	215/65 R16	98	H		460	A	A	F	B	71	))
2	215/70 R16	100	H		460	A	A	F	B	71	))
3	235/70 R16	105	H		460	A	A	F	C	71	))
4	225/60 R17	99	H		460	A	A	F	B	71	))
5	235/65 R17	108	H	XL	460	A	A	F	C	71	))
6	255/55 R18	109	V	XL	460	A	A	F	C	71	))
7	235/60 R18	107	V	XL	460	A	A	F	C	71	))

MANCHESTER UNITED TYRE

SUPERB HANDLING AND BRAKING

HIGH PERFORMANCE PREMIUM HATCHBACK,
PREMIUM SEDAN AND COMPACT SUV

- High quality driving precision
- Improved braking
- Outstanding control
- Improved Braking
- Impeccable stability while cornering



Benefits	Performance Superiority	Features
Excellent vehicle stability during highway driving	Precise steering control during lane change	Tread pattern with larger outer shoulder
Precise vehicle control during city driving	High in steering precision	Stiffer rib at centre and specially optimized contact patch
Confidence during emergency situation	Exceptional dry braking	Tread compound based on higher Tg (Glass transition temperature) rubber



apollo
TYRES



GO THE _____ DISTANCE

**MANCHESTER UNITED TYRE
Sizes**

S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	195/55 R15	85	V		280	B	A	C	A	68	)
2	195/65 R15	91	V		280	B	A	C	A	68	)
3	205/55 R16	91	W		280	AA	A	C	A	68	)
4	215/55 R17	94	Y		280	AA	A	F	A	68	)
5	265/65 R17	112	H		460	A	A	E	A	68	)
6	245/45 R18	100	Y		280	AA	A	E	A	68	)

ALTRUST

(ASIA PACIFIC, MIDDLE EAST & AFRICA)

SAFE & DURABLE LIGHT TRUCK TYRE

LIGHT TRUCK, MINI-VAN & VAN WITH HEAVY
USAGE ESPECIALLY FOR PEOPLE MOVERS

- Excellent Level of Safety and control
- Optimized fuel efficiency
- Comfortable ride



Benefits	Performance Superiority	Features
Longer Life	Consistent and continuous comfortable and controlled steering a) Uniform pressure distribution through simulated tyre constructions Reinforced parking protection b) Curb rib protector due to additional material at shoulder area	Stiffness optimized longitudinal rib with strong shoulder design
Improved Fuel Efficiency	Optimised construction and new compounds a) New generation tread & base compound with lower energy losses b) Cavity profile optimized for low energy dissipation	Lower Hysteresis Energy Loss
Excellent level of safety	Optimized wet grip a) Rounder footprint for better resistance to aquaplaning Shorter braking distance a) Stiffer tread pattern for stability during braking b) New generation silica high traction compound for wet performance	Superior wet and dry braking and road grip



S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	185 R14C	102/100	S	8PR	-	-	-	E	C	71	))
2	195 R14C	106/104	S	8PR	-	-	-	E	C	71	))
3	195 R15C	107/105	S	8PR	-	-	-	E	C	71	))
4	205/70 R15C	106/104	S	8PR	-	-	-	E	C	71	))
6	215/70 R15C	109/107	S	8PR	-	-	-	E	C	71	))
7	215/65 R16C	109/107	T	8PR	-	-	-	E	C	71	))
8	215/70 R16C	108/106	S	8PR	-	-	-	E	C	71	))
8	215/70 R16C	108/106	S		-	-	-	E	C	71	))

ALTRUST

(EUROPE)

SAFE & DURABLE LIGHT TRUCK TYRE

LIGHT TRUCK, MINI-VAN & VAN WITH HEAVY
USAGE ESPECIALLY FOR PEOPLE MOVERS

- Excellent Level of Safety and control
- Optimized fuel efficiency
- Comfortable ride



Benefits	Performance Superiority	Features
Longer Life	Consistent and continuous comfortable and controlled steering a) Uniform pressure distribution through simulated tyre constructions Reinforced parking protection b) Curb rib protector due to additional material at shoulder area	Stiffness optimized longitudinal rib with strong shoulder design
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S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	195/70 R15C	104/102	R		-	-	-	C	B	72	))
2	205/70 R15	106/104	R		-	-	-	C	B	72	))
3	225/70 R15C	112/110	S		-	-	-	C	B	72	))
4	215/60 R16	103/101	T		-	-	-	E	B	72	))
5	195/65 R16C	104/102	T		-	-	-	C	B	72	))
6	205/65 R16C	107/105	T		-	-	-	C	B	72	))
7	225/65 R16	112/110	R		-	-	-	C	B	72	))
8	235/65 R16C	115/113	R		-	-	-	B	B	72	))
9	185/75 R16	104/102	R		-	-	-	C	B	72	))
10	195/75 R16C	107/105	R		-	-	-	C	B	72	))
11	205/75 R16	110/108	R		-	-	-	C	B	72	))
12	215/75 R16C	116/114	R		-	-	-	B	B	72	))

QUANTUM

HIGHLY DURABLE & RELIABLE TYRE

VAN WITH HEAVY USAGE ESPECIALLY FOR
PEOPLE MOVERS

- High structural durability
- Good mileage
- Robust construction



Benefits	Performance Superiority	Features
High structural durability	Long lasting durability	Robust tyre construction
Good Mileage	Mileage superiority	High tread-wear resistant compound
Even tread wear	Long lasting performance	Four rib pattern



QUANTUM Sizes

S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	185 R14C	102/100	R		-	-	-	E	-	72	))
2	195 R15C	106/104	R	8PR	-	-	-	E	-	72	))
3	205 R16C	110/108	R	8PR	-	-	-	E	-	72	))
4	215/75 R16C	113/111	S		-	-	-	E	-	72	))

QUANTUM PLUS

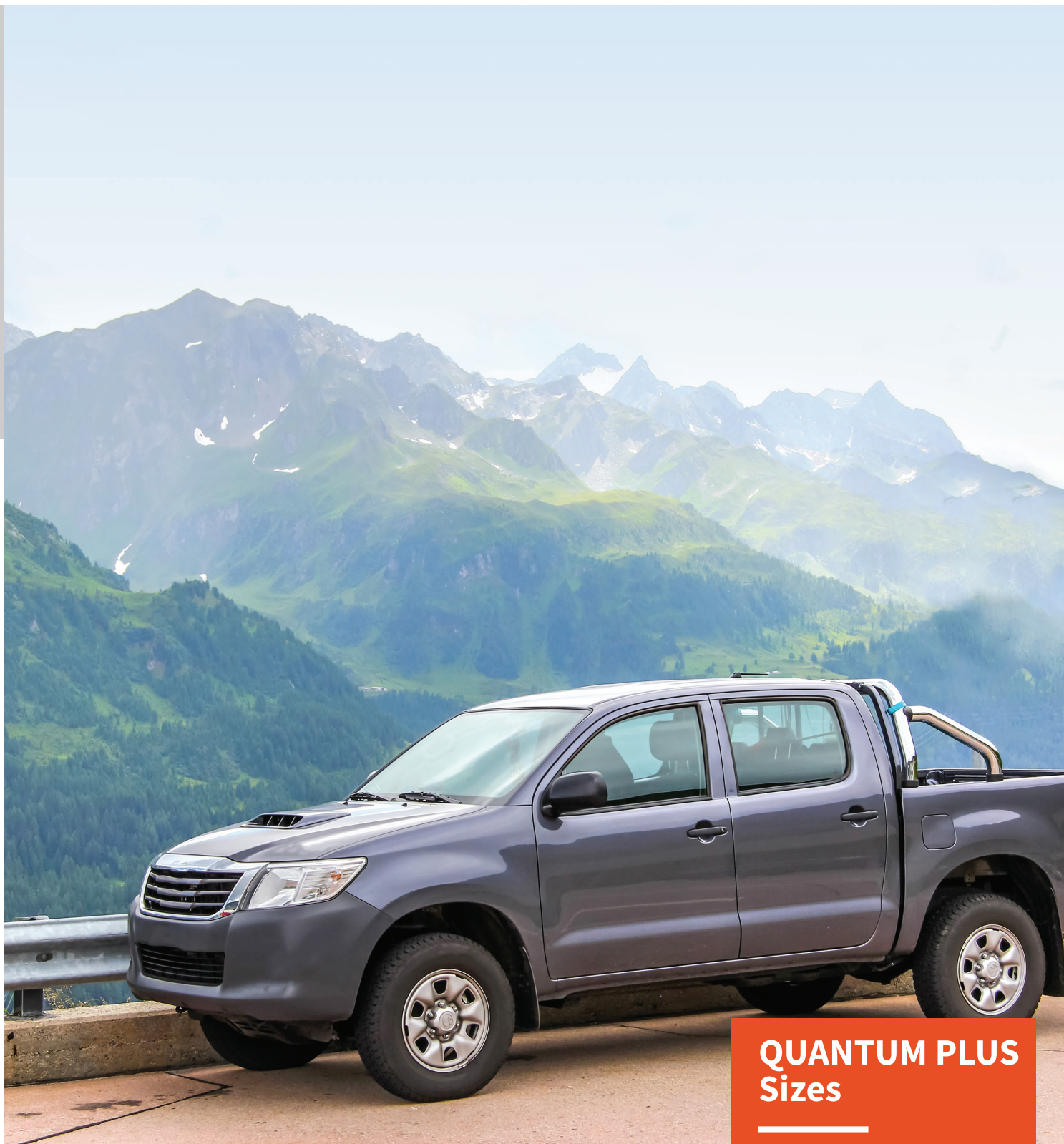
2ND GENERATION HIGH SPEED & EXTENDED MILEAGE TYRE

VAN WITH HEAVY USAGE ESPECIALLY FOR
PEOPLE MOVERS

- High directional stability
- Better hydroplaning
- Good mileage

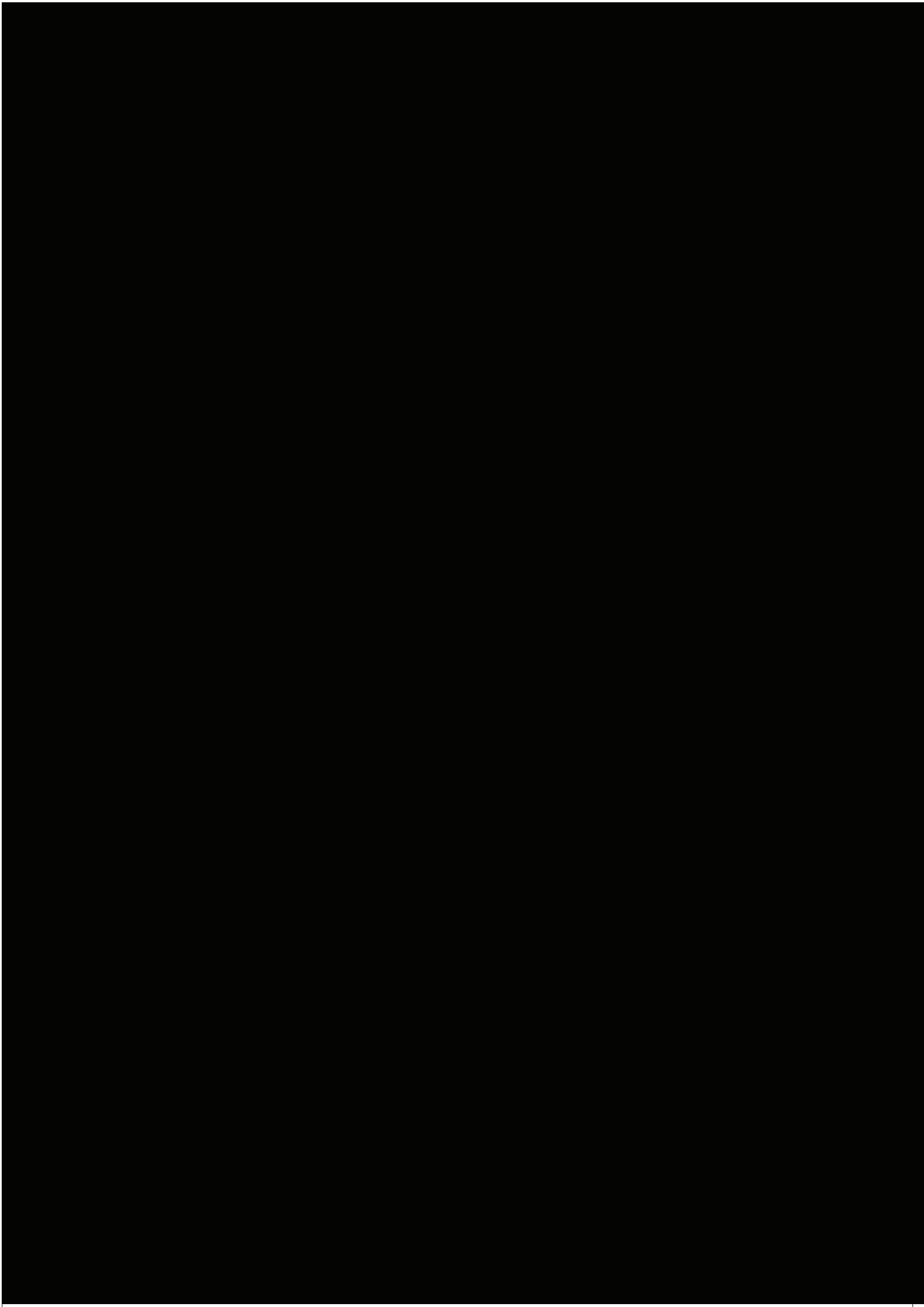


Benefits	Performance Superiority	Features
High Directional Stability	Highly reliable at high speeds	Circumferential grooves
Effective water channelling	Highly safe against aquaplaning	Deep grooves
Improved Mileage	Long lasting tyre	High wear-resistant compound.



QUANTUM PLUS Sizes

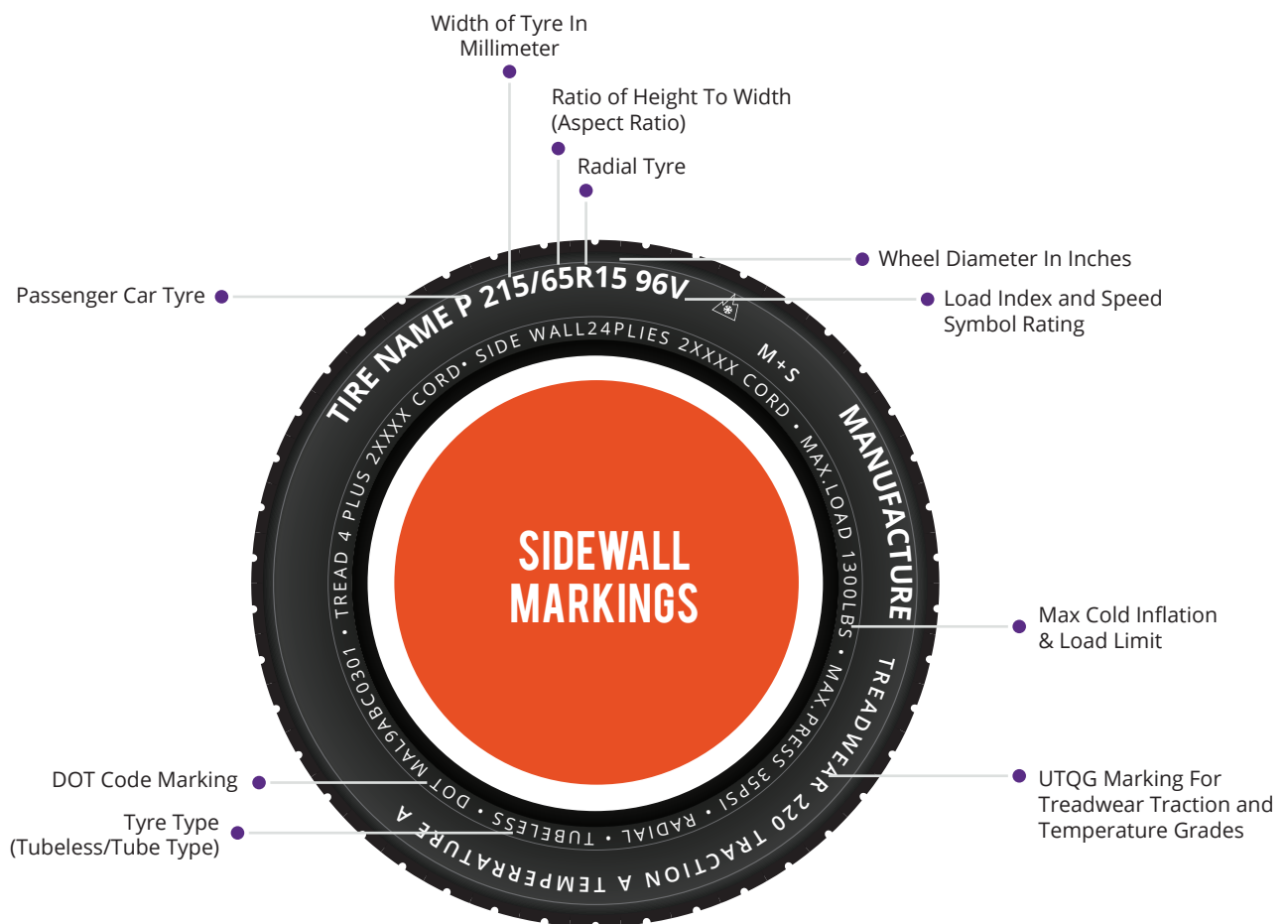
S/N	Tyre Size	LI	SS	PR	Treadwear	Traction	Temperature	RRC Level	WG Level	Noise (dBA)	Noise Level
1	155 R13C	89/88	R	8PR	-	-	-	C	E	71	))
2	185 R14C	102/100	S	8PR	-	-	-	C	E	71	))
3	195 R14C	106/104	S	8PR	-	-	-	C	E	71	))
4	195 R15C	107/105	S	8PR	-	-	-	C	E	71	))
5	195/70 R15C	104/102	S		-	-	-	C	E	71	))
6	205/75 R16C	110/108	R	8PR	-	-	-	C	E	71	))



TECHNICAL KNOWLEDGE



TYRE SIDEWALL INFORMATION





UTQG TYRE MARKING

Uniform Tyre Quality Grading, commonly abbreviated as UTQG, is the term encompassing a set of standards for passenger car tyres that measures a tyre's Treadwear, Temperature Resistance and Traction.

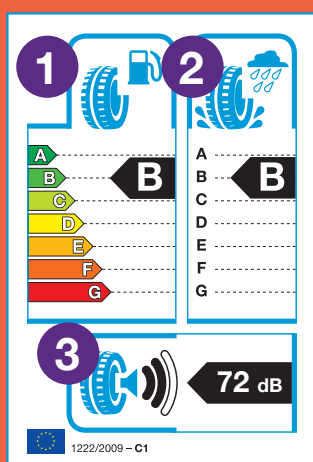
Treadwear grade is a comparative rating based on the wear rate of the tyre when tested on a government specified course. A tyre graded 200 would wear twice as long on the government specified course as one graded 100. (Actual tyre mileage may vary). Treadwear grade is valid only for comparisons within a manufacturer's product line, not between tyre manufacturers.

Traction grades from highest to lowest, are AA, A, B and C. They represent the tyre's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. The traction grades are based upon "straight ahead" braking tests. They do not indicate cornering ability or resistance to hydroplaning.

Temperature grades represent the tyre's resistance to heat generated by running at high speed. Sustained high temperatures can cause the materials of the tyre to degenerate and thus reduce tyre life. Excessive temperatures can lead to tyre failure. Temperature A is Best, B is Intermediate and C is Acceptable.

EU LABELING FOR TYRES

The European Tyre Labelling Regulation (EC/1222/2009) introduces labelling requirements with regard to the display of information on the fuel efficiency, wet grip and external rolling noise of tyres. Its aim is to increase the safety and the environmental and economic efficiency of road transport by promoting fuel-efficient and safe tyres with low noise levels. This regulation allows end-users to make more informed choices when purchasing tyres by considering this information along with other factors normally considered during the purchasing decision process.



The label provides information about the tyre based on **Three key Performance criteria**

1



Its **FUEL EFFICIENCY** or rolling resistance

A- Most fuel efficient tyre
G- Least Fuel efficient tyre

2



Its **WET GRIP** or braking performance on a wet road

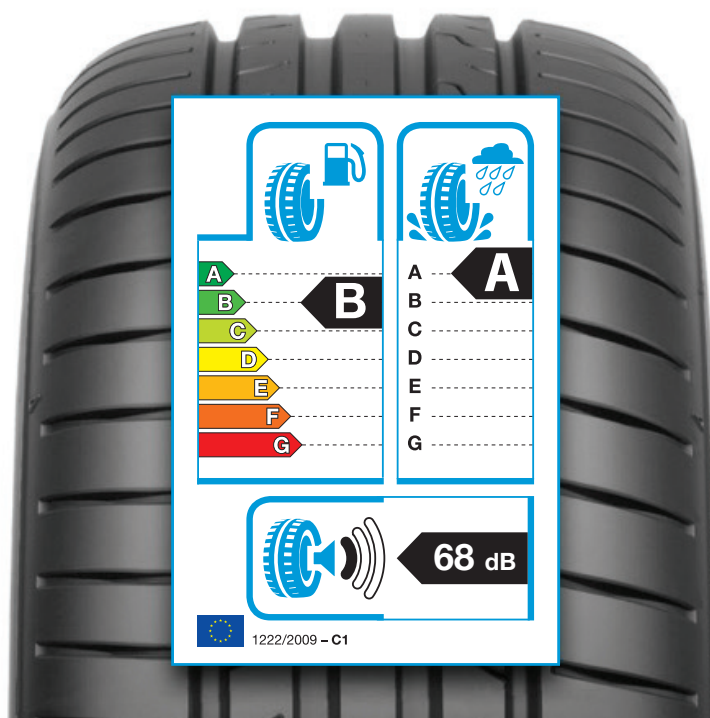
A- Shortest braking distance
G- Longest braking distance

3



Its level of **PASSING NOISE** measured in decibels (dB)

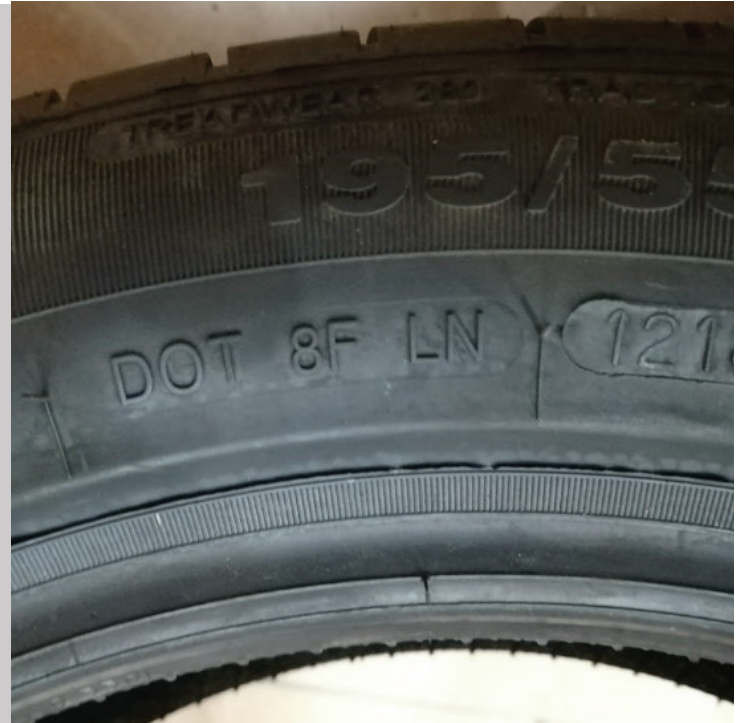
Tyre Categorised in 3 classes illustrated by three waves
1 Wave - Quieter Tyre
3 Wave - Noisier tyre



DOT CODE & ECE “E” MARKINGS

THE DOT CODE

The DOT Code is an alphanumeric character sequence moulded into the sidewall of the tyre for the purposes of tyre identification. The DOT Code is mandated by the U.S. Department of Transportation and it is a globally followed standard for tyre sidewall marking.



ECE “E” MARKING

The E-Marking is either an upper case “E” or lower case “e” followed by a number on a circle or rectangle, followed by a further number. “E” or lower case “e” indicates that the tyre is certified to comply with dimensional, performance and sidewall marking requirements of Economic Commission for Europe (ECE) Regulation 30.



RFID ESMA REGULATION FOR UAE

Emirates Authority for Standardization and Metrology (ESMA) regulation for RFID aims to provide RFID labels that are registered in a central database for all approved tyres in the UAE. These RFID provide information of the tyre's compliance as well as its traceability to both seller and consumer.

List of information to be retrieved from the ESMA database (upon scanning the 2D barcode) and displayed on the End-user smart phone using the ESMA Mobile App:

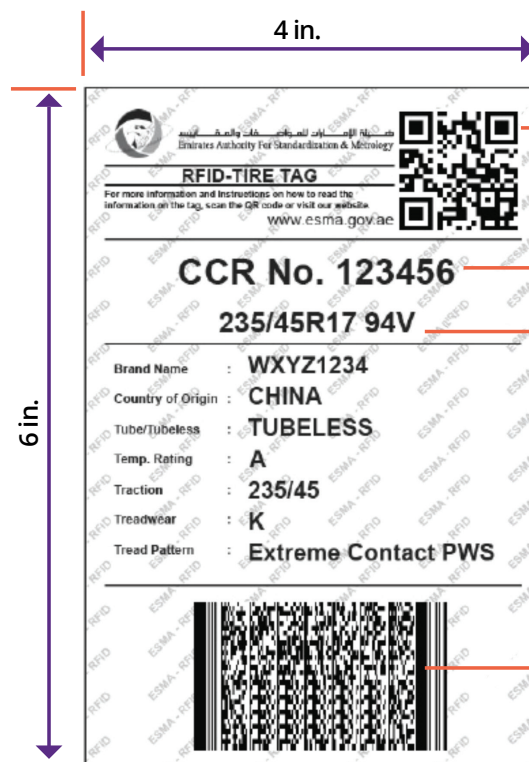
- 1, "This tire is approved or UAE use and is registered in ESMA"
- 2, CCR No.
- 3, Brand Name of the tire
- 4, Country of origin
- 5, Tube/Tubeless
- 6, Temperature Rating
- 7, Traction information
- 8, Treadwear
- 9, Tread Pattern

List of information to be retrieved from the ESMA database (upon scanning of the RFID Chip) and displayed on the inspector hand-held device:

- 1, RFID Code
- 2, CCR No.
- 3, Brand Name of the tire
- 4, Country of origin
- 5, Tube/Tubeless
- 6, Temperature Rating
- 7, Traction information
- 8, Treadwear
- 9, Tread Pattern

- A. Manufacturer Name
B. RFID-Tag Details

-Printed Date (DD-MM-YYYY)
-Printed By: (Company Name)



QR Code

Links to a webpage in ESMA website showing information about the RFID-TIRE Tag, its use, purpose and the instructions on how to read the tag using a smart phone. This section will be static and will be the same for all tags printed.

CCR No.

GSO conformity Certificate No. This section will change depending on the certificate number of GSO.

Type (Tire Designation/Size)

The section will change for every tire labeled.

2D barcode (for suggestion)

This section should contain only the RFID Code (unique to each and every written in the RFID Chip).

The code should be designed to create unique codes for an average of 8 million distinct codes per year.

This barcode is to be scanned using the mobile application of ESMA for tires. The information regarding the tire will then be retrieved from the ESMA database and displayed in the smart phone of the end-user.



LOAD INDEX & SPEED SYMBOL

Load Index is the maximum load-carrying capacity of a tyre under a specific condition.

Speed Symbol refers to the maximum speed capabilities of the tyre. It is only valid for tyres that are properly inflated and loaded within their assigned load index.

SPEED INDEX RATINGS

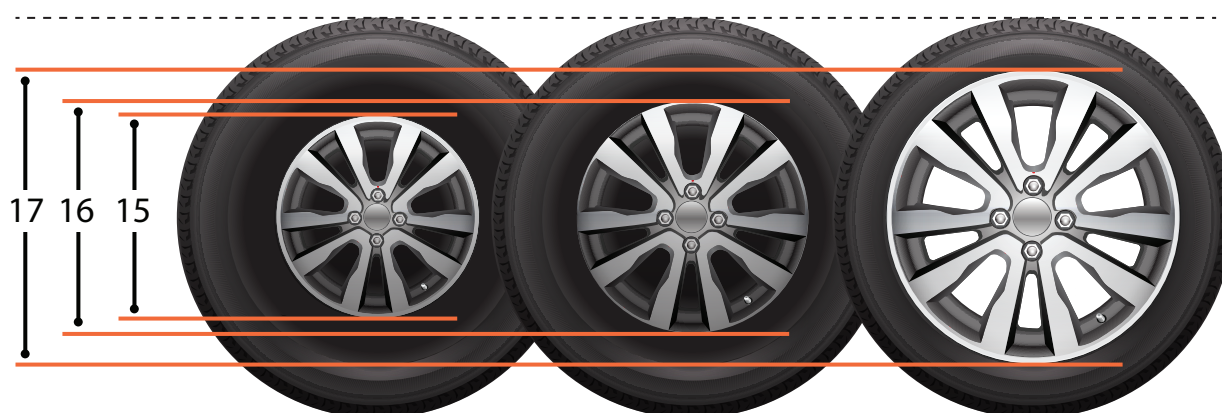
Rating	Speed (km/h)	Speed (mph)
B	50	31
C	60	37
D	65	40
E	70	43
F	80	50
G	90	56
J	100	62
K	110	68
L	120	75
M	130	81
N	140	87
P	150	93
Q	160	99
R	170	106
S	180	112
T	190	118
U	200	124
H	210	130
V	240	149
W	270	168
Y	300	186
ZR	Over 240	Over 150

TYRE LOAD INDEXES

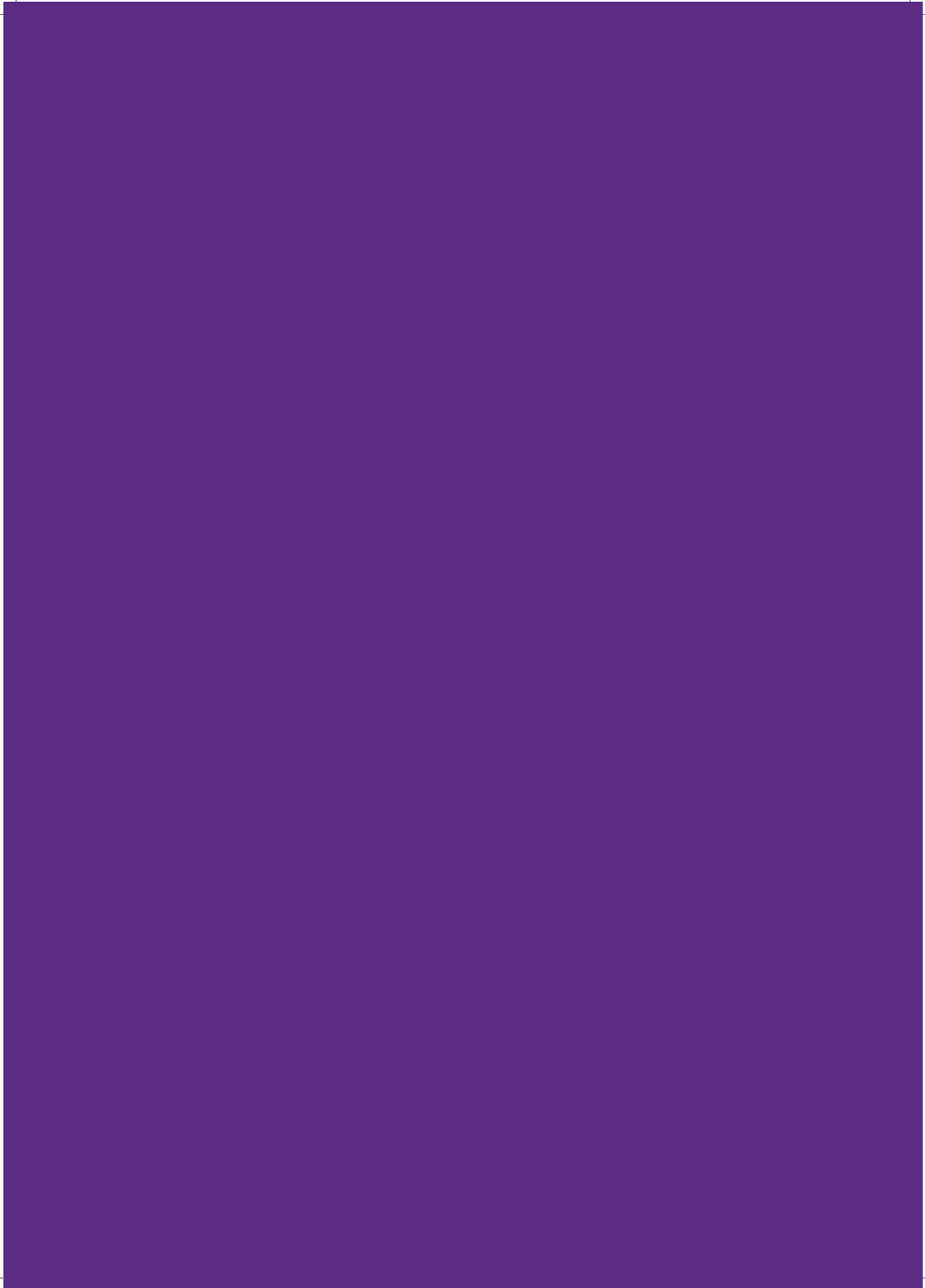
Load Index	Kg max load per tyre	Speed (mph)	Kg max load per tyre	Load Index	Kg max load per tyre
62	265	84	500	106	950
63	272	85	515	107	975
64	280	86	530	108	1,000
65	290	87	545	109	1,030
66	300	88	560	110	1,060
67	307	89	580	111	1,090
68	315	90	600	112	1,120
69	325	91	615	113	1,150
70	335	92	630	114	1,180
71	345	93	650	115	1,215
72	355	94	670	116	1,250
73	365	95	690	117	1,285
74	375	96	710	118	1,320
75	387	97	730	119	1,360
76	400	98	750	120	1,400
77	412	99	775	121	1,450
78	425	100	800	122	1,500
79	437	101	825	123	1,550
80	450	102	850	124	1,600
81	462	103	875	125	1,650
82	475	104	900	126	1,700
83	487	105	925		

RIM UPSIZING OR INCH-UP

As a general thumb rule for every increase of 10 mm in section-width, the aspect ratio to be reduced by 5%, for every increase of rim diameter by 1 inch, the aspect ratio to be reduced by 5, keeping the section width same. Load Index & Speed Symbol should be equal or greater than vehicle manufacturer's recommendation. Respect the tolerance of overall tyre circumference by (+ / - 2%) and check for tyre fouling with vehicle's body parts.







TYRE CARE & SAFETY

PROPER TYRE MOUNTING & DEMOUNTING

Wheel rim should be free of dirt and rust and should be free of bends and rim valve hole should be round and smooth.

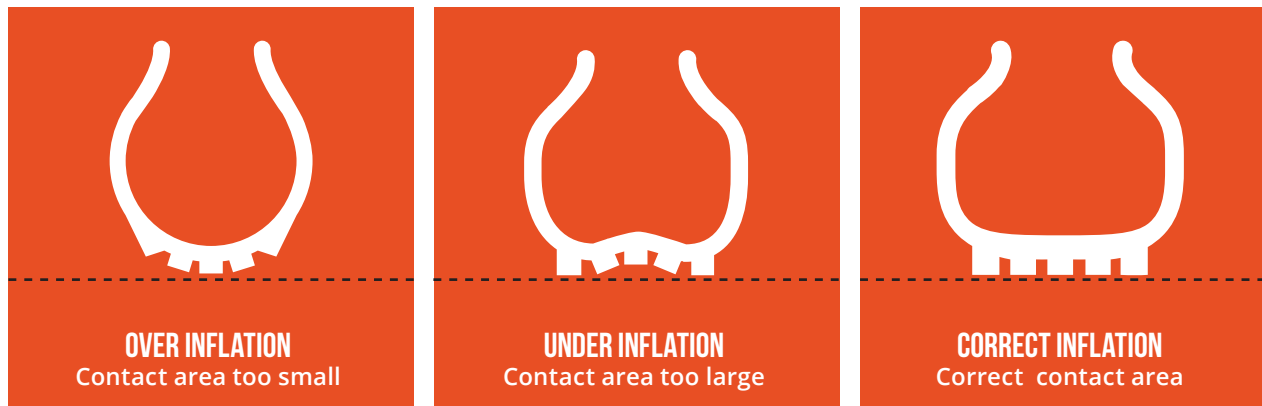
Use mounting machines as much as possible for tyre mounting and dismounting, avoid use of chisel and hammer.

Lubricate tyre beads with mild soap solution (vegetable oil base) before mounting and dismounting. Before inflating the tyre, check whether the beads are seating correctly on the rim, never exceed 44 PSI (3.0 kgf/cm²) to seat the beads and once beads are seated properly, adjust inflation pressure as recommended by vehicle manufacturer.



AIR INFLATION PRESSURE

Always inflate tyres when vehicle and tyres are in cold condition. Do not overload the vehicle. Incorrect pressure, whether associated with over inflation or under inflation, will either have the effect of over “supporting” the tyre and causing casing stress, or under “supporting” it, with a consequent increase in flexing and generation of an excessive amount of heat, and this may cause tyre failure. Inflation pressure must be as per tyre manufacturer’s and vehicle manufacturer’s recommendations. Make sure the valve cap is always properly screwed. The spare wheel must be checked as well.



DO NOT “BLEED” TYRES

One of the causes of under inflation is the practice of “bleeding” tyres i.e. reducing the pressure in tyres which have run, warmed up and, therefore, increased in pressure above their starting pressure. The increased deflection will generate even more heat and the tyre may again reach the higher pressure, but it will be hotter still.

ADVANTAGES OF NITROGEN (N₂) INFLATION VS. NORMAL AIR INFLATION

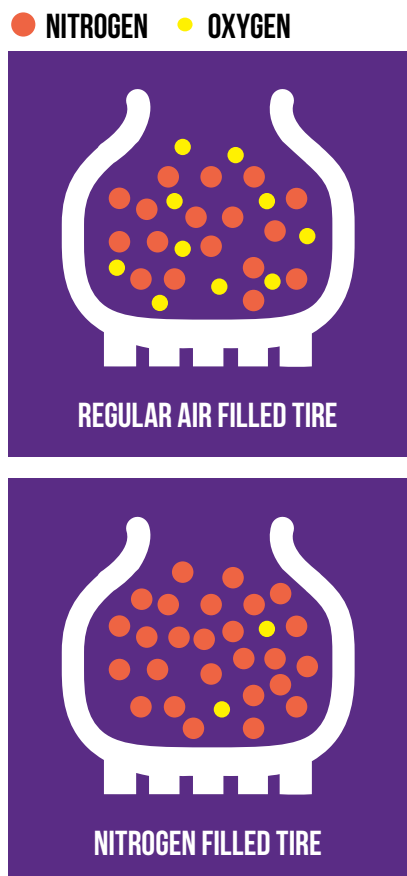
Availability of N₂ is abundant as 78% of atmospheric air is N₂ and commercially N₂ is available at an affordable cost and N₂ generators are available in plenty for large scale & small scale work.

N₂ gas molecules are larger size hence ensuring less permeability i.e. less leakage and escaping from tyre. Hence N₂ helps inflation pressure remains constant for a longer time.

N₂ is a non-inflammable and relatively inert gas hence it is non-reactive so it neither reacts with rubber nor it reacts with tyre steel belt also there is no rusting of wheel rim due to the absence of Oxygen (O₂) and moisture (H₂O).

N₂ provides uniform volume and pressure with increased temperature and provides cooler running thereby increasing the tyre life. N₂ provides more reliable pressure for reduced blowout potential.

Using N₂ increases saving in cost per kilometer on fuel and it is environment friendly due to less CO/CO₂ emission.



WHEEL BALANCING & TYRE ROTATION

WHEEL BALANCING

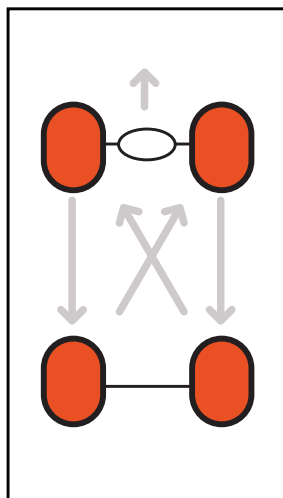
An un-balanced wheel rim and tyre assembly may cause vibration to the vehicle thereby causing a harsh ride while causing excessive and uneven tread wear. So it is recommended to balance the wheel rim and tyre assembly if vibrations are felt, during every tyre mounting and dismounting, after every 10,000 km of driving. Always use sticker type weights only for the alloy wheels balancing.



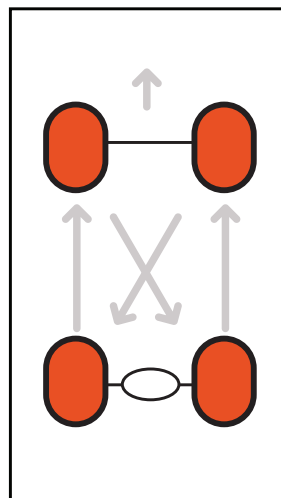
WHEEL BALANCING & TYRE ROTATION

TYRE ROTATION

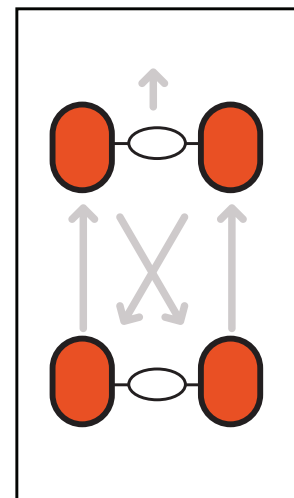
It is recommended to rotate all tyres every 10,000 km or as per recommendations from vehicle manufacturer. Rotation is important because each tyre will wear differently due to steering, braking, cornering and weight distribution factors. If the vehicle operates in constant 4WD, all wheels are driving, but the front wheel will be subjected to steering forces as well. If the vehicle is either front or rear wheel drive, the driving wheels will wear faster. To achieve the best mileage out of the four tyres rotation is then required.



FRONT WHEEL DRIVE



REAR WHEEL DRIVE



4 WHEEL DRIVE

VEHICLE ALIGNMENT

It is recommended to align the vehicle every 10,000 km or as per recommendations from vehicle manufacturer. It is part of standard automobile maintenance that consists of adjusting the angles of wheels to the vehicle manufacturer specifications. The purpose of these adjustments is to reduce tyre wear, and to ensure that vehicle travel is straight and true without “pulling” to any one side.



DO'S AND DON'TS FOR PCR / SUV / 4X4 / LTR TYRES

Any tyre, no matter how well constructed, may fail in use as a result of punctures, impact damage, improper inflation, overloading, excessive or other use conditions. A tyre is wear-sensitive and all tyres eventually wear out. A worn or damaged tyre can present a safety hazard, and a tyre failure can lead to an accident that may result in property damage, injuries or death. To reduce the risk of tyre failure we instruct you as follows:

DO'S

- Check air pressure in all your tyres, including the spare, frequently when tyres are cool (when your vehicle has been driven less than a few kilometres or after being stopped for three or more hours).
- Check your tyres regularly for scraps, bulges, separations, cuts, snags or embedded foreign objects. Show the tyres to your tyre dealer immediately if any such condition is discovered.

DON'TS

- Don't reduce air pressure when tyres are hot from driving; use a tyre gauge to check the pressure and maintain it at the level recommended by the vehicle manufacturer.
- Don't drive over objects that may damage tyres through impact of cutting such as potholes, glass and metal etc.
- Never overload your tyres. Maximum load carrying capability of your tyre is moulded on the sidewall of each tyre.
- Never operate your vehicle in excess of lawful speeds, beyond maximum speeds by driving conditions or at speeds greater than recommended for the tyre you are using.
- Never drive on smooth tyres. Always remove tyres from service and replace them when they reach the remaining 1.6 mm of tyre depth.
- Never spin tyres excessively on mud, as this can cause tyre explosion or disintegration, as well as axle failure.

TYRE REPAIR BY AUTHORIZED PERSONNEL

A damaged tyre must be repaired as soon as possible as the moisture will cause the steel to rust, which means, moisture can come into contact with the tyre steel belt and rust attack which can cause separation between the steel and rubber to cause tyre failure. Always get tyre repairs done by an authorized personnel who is well trained and equipped to repair tyres which are within repair limits.

TYRE REPAIR LIMITS REPAIR OR REPLACE

TREAD

REPAIR

- Puncture, nails, holes or cuts up to 6mm on the tyre tread



SIDEWALL

REPLACE

- Punctures larger than 6mm on the tyre tread.
- Any sidewall punctures.
- Tyres worn below the wear indicator bars located on the tyre.

WARRANTY POLICY

ADJUSTMENT POLICY FOR TYRES

All Apollo Tyres customers in Middle East, GCC and Africa region are covered by all the benefits and conditions contained in this document. To ensure your compliance with the terms and conditions of this warranty, please read them carefully.

WHAT IS COVERED AND HOW LONG?

Apollo Tyres Ltd provides this limited warranty for truck, bus, light truck, off-the-road and passenger car tyres against only defects in workmanship and materials for the effective life of the original tread up to 2 years from the selling date to the end consumer shown in the invoice or 5 YEARS from manufacturing date displayed on the tyre apart of the mileage covered.

WHAT IS NOT COVERED ?

Apollo tyres are not warranted against any damage due to usage fault including but not limited to the following examples:

1. Road injuries such as cuts, chipping, protrusion, bruise, impact, concussion, puncture;
2. Bead area damages due to incorrect mounting / demounting techniques, rim chaffing, burning or deformation;
3. Not following the recommended rim size as shown in Apollo catalogues;
4. Tyres are subjected to repairing, retreading or regrooving;
5. Misapplication, poor maintenance, improper inflation pressure, racing or other abuse resulting in casing deformation;
6. Tyre's size alteration not compatible with vehicle manufacturer instructions;
7. Accident, fire, chemical corrosion, contamination or vandalism;
8. Flat spotting caused by improper storage or defective brake system;
9. Tyres failure due to filling additives such as sealants, liquids, solids or gaseous materials other than air or nitrogen;
10. Tyres suffered from over loading or improper load distribution;
11. Uneven or rapid wear caused by under/over inflation pressure, mechanical irregularity in the vehicle such as wheel misalignment/imbalance, faulty shock absorbers, incorrect axles parallelism, perpendicularity or usage of tyre chains;
12. Tyres worn out 1.6 mm or less of remaining tread depth;
13. Vibration, imbalance and noise after wearing the first 1 mm of original tread depth are not warranted;
14. Ageing cracks in tyres due to bad storage conditions or other causes;
15. Illegible DOT week / year of production and/or the serial number for CV tyres;
16. Loss of time, inconvenience, loss of vehicle breakdown or other incidental and/or consequential damages are hereby excluded.

apollo
TYRES



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