MAXXIS®
TYRES

MOTORCYCLE
OFF-ROAD
SCOOTER
ATV
QUAD

TYRE CATALOGUE

MAXXIS 50 YEARS 1967 - 2017

www.maxxis.co.uk

MAXXIS®

Introduction

A commitment to excellence, combined with the pursuit of superior performance, is the driving force behind Maxxis. We stand firmly in this belief and stand by everything that we produce. We are driven to meet our customers' needs and then to surpass their expectations.

Our passion for success began 50 years ago in 1967 and has since evolved into what is now Maxxis: a premium line of tyres designed for almost every application imaginable. Maxxis produces tyres for cars and motorcycles as well as for light trucks, karts, bicycles, all-terrain vehicles (ATVs), lawn and garden equipment, trailers and industrial equipment.

Every day Maxxis tyres face the most challenging conditions the World has to offer. They stand up to extreme weather conditions, battle the toughest terrain and win championships. They are continually put to the test and every time they succeed.

Over 31,000 individuals on three continents strive to make these tyres the best available. The results of our efforts are offered on the following pages.

OEM tyres on...

Adly, AJP, Aprilia, Can-Am, CFMoto, E-Ton, Gilera, Honda, John Deere, Kreidler, KTM, Kymco, LEM Motor, Malaguti, Masai, Nipponia, Peugeot, Piaggio, Polaris, Suzuki, QLink, Quadzilla, Sym, TGB, Yamaha.

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MAXXIS®
TYRES

MOTORCYCLE

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ROAD/TRACK

Our ***motorcycle tyres*** *deliver precision and responsiveness needed for ultimate confidence on the street and on the track*

MAXXIS®

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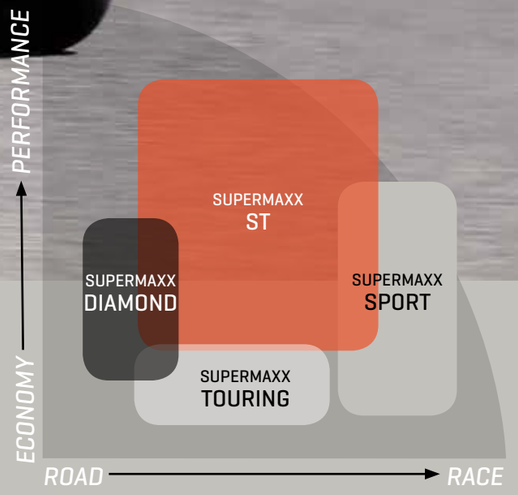


MAXXIS®

STREET MOTORCYCLE: SPORT TOURING

SUPERMAXX ST

Features&Benefits

The latest addition to Maxxis' range of motorcycle tyres is the Supermaxx ST sports touring tyre. A high-performance radial tyre designed for optimal performance at high speed.

With a new and advanced tread design and groove arrangement, improved construction, including spiral steel belt and advanced sidewall rigidity and Nano-Silica compound, the Supermaxx ST delivers increased traction and handling performance in the wet, extra tyre strength, improving both wet and dry grip, and enhanced cornering capabilities at higher speeds.

Everything and more that you'd expect in a reliable sports touring tyre.

SUPERMAXX ST FRONT		
120/60-ZR17	55W	2789015
120/70-ZR17	58W	2789012

SUPERMAXX ST REAR		
160/60-ZR17	69W	2789123
180/55-ZR17	73W	2789115
190/50-ZR17	73W	2789130
190/55-ZR17	75W	2789135

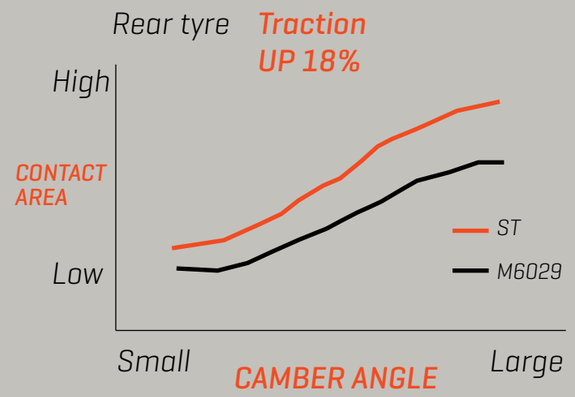
'There is no doubting the Supermaxx ST is an impressive tyre' MCN

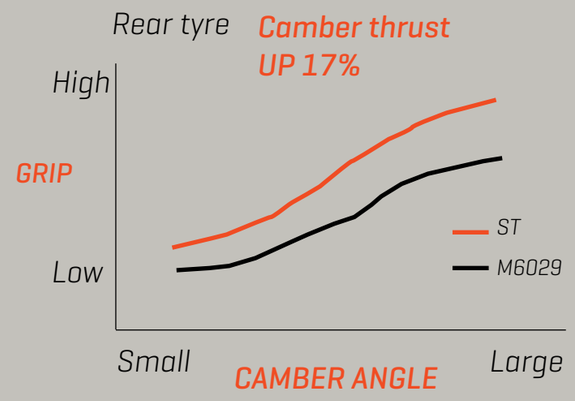
'I was really impressed – this puts Maxxis in the title race' RiDE

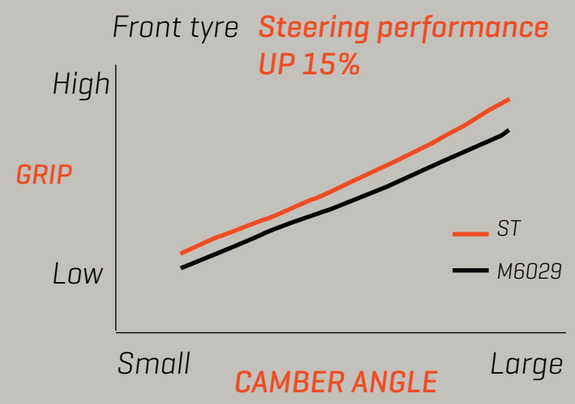
'The Supermaxx ST offers good grip and durability with a comfortable, easy-going profile' visordown

Tested and developed with BSB and WSB legend Chris 'Stalker' Walker

PERFORMANCE CHARACTERISTICS

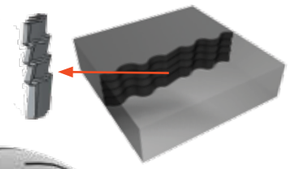


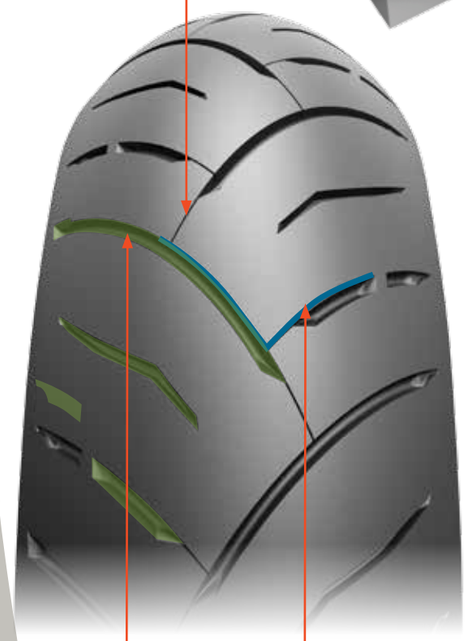




CONSTRUCTION FEATURES

3D sipe design improves tread stiffness, eliminating uneven wear and enhancing wet grip when cornering





MAXXIS®

STREET MOTORCYCLE: SPORT TOURING

SUPERMAXX DIAMOND MA-3DS

Features&Benefits

Maxxis' ground breaking Supermaxx Diamond MA-3DS — sports touring radial — features an eye-catching diamond shoulder tread pattern, incorporating micro-pore technology, combined with Maxxis' new 'Ultra' tread compound to deliver outstanding levels of dry traction and increased wet weather grip.

The unique high-tension carcass construction incorporates jointless mono-spiral Kevlar® belts which increase carcass strength and maintain uniformity under extreme load conditions ensuring increased stability at high speed.

New stiffer side-walls ensure that the MA-3DS maintains its handling characteristics under typical loads for touring applications without compromising handling or performance.

MA-3DS FRONT		
120/60-ZR17	55W	2788015
120/70-ZR17	58W	2788012

MA-3DS REAR		
160/60-ZR17	69W	2788123
180/55-ZR17	73W	2788115
190/50-ZR17	73W	2788130
190/55-ZR17	75W	2788135

MAXXIS®

STREET MOTORCYCLE: SPORT

SUPERMAXX SPORT MA-PS

Features&Benefits

Maxxis' updated high-performance sport bike tyre is added to its product line-up — the next generation Supermaxx Sport. Featuring an advanced tread pattern and distinct, angular profile the Supermaxx Sport allows quick, precise and responsive handling.

The silica compound, formulated for optimum traction in dry and wet conditions, allows for cooler running temperatures and maximum grip on both the track and street. Furthermore, the revolutionary radial carcass uses mono-spiral Kevlar® construction to maintain tyre uniformity at high speeds.

All combined, the updated Supermaxx Sport is a sport bike tyre with track day performance.

MA-PS FRONT		
120/60-ZR17	55W	2787015
120/70-ZR17	58W	2787012

MA-PS REAR		
160/60-ZR17	69W	2787123
180/55-ZR17	73W	2787115
190/50-ZR17	73W	2787130
190/55-ZR17	75W	2787135

MAXXIS®

STREET MOTORCYCLE: SPORT TOURING

SUPERMAXX TOURING M6029

Features&Benefits

Maxxis has developed the Supermaxx Touring M6029 tyre using Virtual Intelligent Prototyping and Finite Element Analysis (FEA) — the most advanced computer technology.

FEA is used to ensure even load distribution between cornering and straight-line performance. This identifies the stress/load conditions that the tyre will be used under, ensuring that an even distribution of load is achieved at maximum stress levels under force, whilst achieving a fast and controlled response.

The Supermaxx Touring has a distinctive profile and tread pattern which creates responsive handling and stability for quick and precise cornering. The revolutionary radial construction uses Kevlar® belts to ensure tyre uniformity at high speeds.

M6029 FRONT		
130/70-ZR16	61W	2786005
110/70-ZR17	54W	2786010
120/60-ZR17	55W	2786015
120/70-ZR17	58W	2786012

M6029 REAR		
150/60-ZR17	69H	2786120
150/70-ZR17	69W	2786121
160/60-ZR17	69W	2786123
170/60-ZR17	72W	2786125
180/55-ZR17	73W	2786115
190/50-ZR17	73W	2786130
200/50-ZR17	75W	2786135

MAXXIS®

STREET MOTORCYCLE: CUSTOM & CRUISER

CLASSIC & WHITEWALL M6011

Features&Benefits

Available in both Classic and Whitewall options, the Maxxis M6011 is designed for classic and cruiser styled machines.

The specially formulated compound and matched front/rear tread pattern provide excellent traction and durability in dry and wet weather. Deep offset tread grooves channel water away from the contact patch.

Additional stability is provided by the offset centre rib, which resists tracking over surface rain grooves and steel grated bridges.

A classic bike deserves a classic tyre!

M6011 CLASSIC FRONT		
MT90-16 (130/90-16)	74H	2785006
90/90-19	52H	2785045
100/90-19	57H	2785050
110/90-19	62H	2785048
MH90-21 (80/90-21)	48H	2785054

M6011 CLASSIC REAR		
150/80-15	70H	2785017
150/90-15	74H	2785018
170/80-15	77H	2785007
MT90-16 (130/90-16)	74H	2785011
140/90-16	77H	2785024

M6011 WHITEWALL FRONT		
MT90-16 (130/90-16)	74H	2785005
150/80-16	71H	2785027
100/90-19	57H	2785049

M6011 WHITEWALL REAR		
140/90-15	70H	2785021
150/90-15	74H	2785019
170/80-15	77H	2785009
MT90-16 (130/90-16)	74H	2785010
140/90-16	77H	2785023
150/80-16	71H	2785026

MAXXIS®

STREET MOTORCYCLE: COMMUTER

PROMAXX
M6102 & M6103

Features&Benefits

The Promaxx is a high-performance bias ply street tyre. The matching front and rear tread pattern offers improved handling at higher speeds.

This new generation of H-rated tubeless street tyre features central grooves that lead rain water away from the contact patch, this improves grip levels offering higher safety characterisitics.

Ideal tyre for the modern middle/lightweight commuter.

M6102 FRONT		
110/70-17	54H	2781076
110/80-17	57H	2781077
90/90-18	51H	2781078
100/90-18	56H	2781079
100/90-19	57H	2781080

M6103 REAR		
130/90-15	66H	2781082
140/90-15	70H	2781083
130/90-16	67H	2781084
130/70-17	62H	2781087
150/70-17	69H	2781088
110/90-18	61H	2781089
120/90-18	65H	2781086

Supermaxx ST *Supermaxx Diamond* *Supermaxx Sport* *Supermaxx Touring* *Classic/Whitewall* *Promaxx*

STREET MOTORCYCLES SIZING CHART

SIZE	L/S	PATTERN	POSITION	TUBE	Part No.
15" STREET TYRES					
130/90-15	66H	Promaxx M6103	Rear	TL	2781082
140/90-15	70H	Whitewall M6011	Rear	TL	2785021
140/90-15	70H	Promaxx M6103	Rear	TL	2781083
150/80-15	70H	Classic M6011	Rear	TL	2785017
150/90-15	74H	Classic M6011	Rear	TL	2785018
150/90-15	74H	Whitewall M6011	Rear	TL	2785019
170/80-15	77H	Classic M6011	Rear	TL	2785007
170/80-15	77H	Whitewall M6011	Rear	TL	2785009
16" STREET TYRES					
MT90-16	74H	Classic M6011	Front	TL	2785006
MT90-16	74H	Whitewall M6011	Front	TL	2785005
MT90-16	74H	Classic M6011	Rear	TL	2785011
MT90-16	74H	Whitewall M6011	Rear	TL	2785010
130/70-16	61W	Supermaxx Touring M6029	Front	TL	2786005
130/90-16	67H	Promaxx M6103	Rear	TL	2781084
140/90-16	77H	Classic M6011	Rear	TL	2785024
140/90-16	77H	Whitewall M6011	Rear	TL	2785023
150/80-16	71H	Whitewall M6011	Front	TL	2785027
150/80-16	71H	Whitewall M6011	Rear	TL	2785026
17" STREET TYRES					
110/70-ZR17	54W	Supermaxx Touring M6029	Front	TL	2786010
110/70-ZR17	54H	Promaxx M6102	Front	TL	2781076
110/80-17	57H	Promaxx M6102	Front	TL	2781077
120/60-ZR17	55W	Supermaxx ST	Front	TL	2789015
120/60-ZR17	55W	Supermaxx Sport MA-PS	Front	TL	2787015
120/60-ZR17	55W	Supermaxx Diamond MA-3DS	Front	TL	2788015
120/60-ZR17	55W	Supermaxx Touring M6029	Front	TL	2786015
120/70-ZR17	58W	Supermaxx ST	Front	TL	2789012
120/70-ZR17	58W	Supermaxx Sport MA-PS	Front	TL	2787012
120/70-ZR17	58W	Supermaxx Diamond MA-3DS	Front	TL	2788012
120/70-ZR17	58W	Supermaxx Touring M6029	Front	TL	2786012
130/70-17	62H	Promaxx M6103	Rear	TL	2781087
150/60-R17	69H	Supermaxx Touring M6029	Rear	TL	2786120
150/70-ZR17	69W	Supermaxx Touring M6029	Rear	TL	2786121
150/70-17	69H	Promaxx M6103	Rear	TL	2781088
160/60-ZR17	69W	Supermaxx ST	Rear	TL	2789123

SIZE	L/S	PATTERN	POSITION	TUBE	Part No.
160/60-ZR17	69W	Supermaxx Sport MA-PS	Rear	TL	2787123
160/60-ZR17	69W	Supermaxx Diamond MA-3DS	Rear	TL	2788123
160/60-ZR17	69W	Supermaxx Touring M6029	Rear	TL	2786123
170/60-ZR17	72W	Supermaxx Touring M6029	Rear	TL	2786125
180/55-ZR17	73W	Supermaxx ST	Rear	TL	2789115
180/55-ZR17	73W	Supermaxx Sport MA-PS	Rear	TL	2787115
180/55-ZR17	73W	Supermaxx Diamond MA-3DS	Rear	TL	2788115
180/55-ZR17	73W	Supermaxx Touring M6029	Rear	TL	2786115
190/50-ZR17	73W	Supermaxx ST	Rear	TL	2789130
190/50-ZR17	73W	Supermaxx Sport MA-PS	Rear	TL	2787130
190/50-ZR17	73W	Supermaxx Diamond MA-3DS	Rear	TL	2788130
190/50-ZR17	73W	Supermaxx Touring M6029	Rear	TL	2786130
190/55-ZR17	75W	Supermaxx ST	Rear	TL	2789135
190/55-ZR17	75W	Supermaxx Sport MA-PS	Rear	TL	2787135
190/55-ZR17	75W	Supermaxx Diamond MA-3DS	Rear	TL	2788135
200/50-ZR17	75W	Supermaxx Touring M6029	Rear	TL	2786135
18" STREET TYRES					
90/90-18	51H	Promaxx M6102	Front	TL	2781078
100/90-18	56H	Promaxx M6102	Front	TL	2781079
110/90-18	61H	Promaxx M6103	Rear	TL	2781089
120/90-18	65H	Promaxx M6103	Rear	TL	2781086
19" STREET TYRES					
90/90-19	52H	Classic M6011	Front	TL	2785045
100/90-19	57H	Classic M6011	Front	TL	2785050
100/90-19	57H	Whitewall M6011	Front	TL	2785049
100/90-19	57H	Promaxx M6102	Front	TL	2781080
110/90-19	62H	Classic M6011	Front	TL	2785048
21" STREET TYRES					
MH90-21	56H	Classic M6011	Front	TL	2785054

SCOOTER

Original Equipment fit on Honda, Kawasaki, Suzuki, Yamaha, Peugeot Piaggio, Kymco, Lexmoto, WK, Sinnis, KSR Moto, AJS, Keeway and Nipponia scooters, we like to think we know a thing or two about ***scooter tyres****. Top quality tyres delivering excellent grip, durability and safety.*

MAXXIS®

M6029 SCOOTER p14

PREMIUM SCOOTER TYRES p15

M6120

M6127

M6128

M6135

M6017

M6024

M6036

Features&Benefits

With its exceptional design, the M6029 offers everything you need in a high performance tubeless scooter tyre. Providing outstanding grip, handling and stability, this tyre is also built to last with a high-quality rubber compound.

The low profile tread design increases the footprint area allowing optimum acceleration, cornering and braking power in wet and dry conditions.

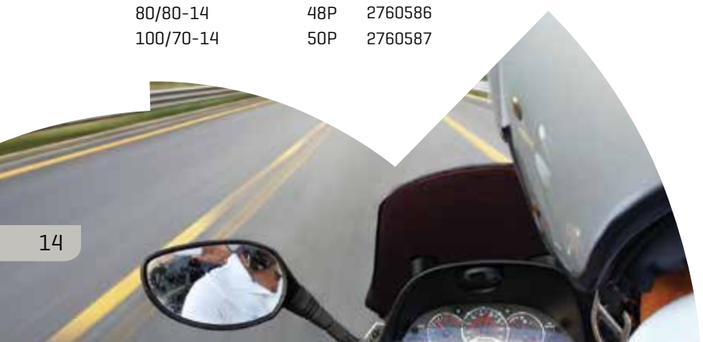
The special crossed tread grooves provide excellent water dispersion and enhance the grip and stability of the tyre. The improved wide tread pattern design yields maximum mileage.

MAXXIS®

SCOOTER

M6029 UNIVERSAL

M6029 UNIVERSAL		
90/90-10	50J	2760549
100/80-10	52J	2760550
100/90-10	56J	2760546
110/80-10	58J	2760551
120/70-10	54J	2760554
120/90-10	56J	2760552
130/70-10	59J	2760553
130/90-10	61J	2760556
90/90-12	44J	2760555
110/70-12	47J	2760548
110/80-12	61L	2760559
120/70-12	51J	2760560
120/70-12	51L	2760563
120/70-12	58P	2760564
120/80-12	65J	2760569
130/70-12	56J	2760561
130/70-12	56L	2760565
130/70-12	56P	2760566
140/70-12	65P	2760567
110/90-13	56P	2760583
120/60-13	55P	2760585
120/70-13	53L	2760571
130/60-13	53J	2760573
130/60-13	60P	2760574
130/70-13	57P	2760584
140/60-13	63L	2760576
140/60-13	63P	2760581
80/80-14	48P	2760586
100/70-14	50P	2760587



Features&Benefits

Maxxis tyres are supplied as OE fitment on Piaggio, Gilera, Yamaha, Kawasaki, Honda, Malaguti, Sym, Kymco, Peugeot & Aprilia scooters.

MAXXIS®

SCOOTER

PREMIUM SCOOTER

M6120 M6127 M6128 M6135 M6017 M6024 M6036

100/80-16	**M6120**	50P	2760611	110/70-11	**M6017**	45L	2760616
110/80-14	**M6127**	59J	2760605	120/90-10	**M6024**	57J	2760630
140/60-14	**M6128**	64P	2760613	120/70-12	**M6024**	51J	2760634
120/70-15	**M6128**	56P	2780000	130/70-12	**M6024**	56J	2760636
130/80-15	**M6128**	63P	2780001	120/80-12	**M6036**	55J	2760618 *
120/80-16	**M6128**	60S	2760612	130/80-12	**M6036**	60J	2760619 *
150/70-14	**M6135**	66S	2760580				
110/70-16	**M6135**	52P	2760608 °				

°OE fitment front and rear on Peugeot Tweet 125

**OE fitment on Piaggio Typhoon*

M6029 M6120 M6127 M6128 M6135 M6017 M6024 M6036

SCOOTER SIZING CHART

SIZE	L/S	PATTERN	POSITION	TUBE	Part No.
10" Scooter Tyres					
90/90-10	50J	M6029	Universal	TL	2760549
100/80-10	52J	M6029	Universal	TL	2760550
100/90-10	56J	M6029	Universal	TL	2760546
110/80-10	58J	M6029	Universal	TL	2760551
120/70-10	54J	M6029	Universal	TL	2760554
120/90-10	56J	M6029	Universal	TL	2760552
120/90-10	57J	M6024	Universal	TL	2760630
130/70-10	59J	M6029	Universal	TL	2760553
130/90-10	61J	M6029	Universal	TL	2760556
11" Scooter Tyres					
110/70-11	45L	M6017	Universal	TT	2760616
12" Scooter Tyres					
90/90-12	44J	M6029	Universal	TT	2760555
110/70-12	47J	M6029	Universal	TT	2760548
110/80-12	61L	M6029	Universal	TL	2760559
120/70-12	51J	M6029	Universal	TL	2760560
120/70-12	51L	M6029	Universal	TL	2760563
120/70-12	51J	M6024	Universal	TL	2760634
120/80-12	65J	M6029	Universal	TL	2760569
120/80-12	55J	M6036	Universal	TL	2760618
130/70-12	56J	M6029	Universal	TL	2760561
130/70-12	56L	M6029	Universal	TL	2760565
130/70-12	56P	M6029	Universal	TL	2760566
130/70-12	56J	M6024	Universal	TL	2760636
130/80-12	60J	M6036	Universal	TL	2760619
140/70-12	65P	M6029	Universal	TL	2760567
13" Scooter Tyres					
110/90-13	56P	M6029	Universal	TL	2760583
120/60-13	55P	M6029	Universal	TL	2760585
120/70-13	53L	M6029	Universal	TL	2760571
130/60-13	53J	M6029	Universal	TL	2760573
130/60-13	60P	M6029	Universal	TL	2760574
130/70-13	57P	M6029	Universal	TL	2760584
140/60-13	63L	M6029	Universal	TL	2760576
140/60-13	63P	M6029	Universal	TL	2760581
14" Scooter Tyres					
80/80-14	48P	M6029	Universal	TL	2760586
100/70-14	50P	M6029	Universal	TL	2760587
110/80-14	59J	M6127	Universal	TL	2760605
140/60-14	64P	M6128	Universal	TL	2760613
150/70-14	66S	M6135	Universal	TL	2760580
15" Scooter Tyres					
120/70-15	56P	M6128	Universal	TL	2780000
130/80-15	63P	M6128	Universal	TL	2780001
16" Scooter Tyres					
100/80-16	50P	M6120	Universal	TL	2760611
120/80-16	60S	M6128	Universal	TL	2760612
110/70-16	52P	M6135	Universal	TL	2760608

OFF-ROAD

Reliably delivering the performance you need when you need it, regardless of the terrain, our ***off-road tyres*** *are designed to exceed your expectations.*

MAXXIS®

MAXXIS®

OFF-ROAD MOTORCYCLE: MOTOCROSS

MAXXCROSS PRO-SM
M7307/M7308

Features&Benefits

The Maxxcross Pro SM Sandmaster is an exclusive sand and mud tyre that combines a mud-repelling compound with a computer-enhanced tread design.

In addition to its specially formulated compound, the Sandmaster tyre also incorporates anti-flex knob bridges on the shoulder, increasing traction and stability.

M7307 FRONT		
80/100-21	51M	2760321

M7308 REAR		
100/90-19	57M	2760327
110/90-19	62M	2760328

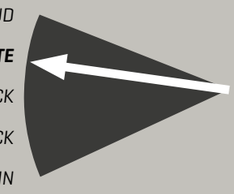
MAXXIS®

OFF-ROAD MOTORCYCLE: MOTOCROSS

MAXXCROSS PRO-SI
M7311/M7312

Features&Benefits

The self-cleaning tread pattern and race-proven rubber compound delivers excellent traction and outstanding tyre wear. The uniquely spaced tread pattern produces superior straight line control and precise cornering, the bridged centre knobs provide predictability, control and excellent traction under acceleration while the optimised shoulder knob design gives incredible cornering stability.



M7311 FRONT			
2.50 x 10	Ⓔ	33J	2760340
60/100-12*		36M	2760341
60/100-14*		30M	2760344
70/100-17*		40M	2760330
70/100-19*		42M	2760343
80/100-21*	■	51M	2760301

M7312 REAR			
80/100-12*		41M	2760345
90/100-14*		49M	2760333
90/100-16*		52M	2760342
100/100-18		59M	2760334
110/100-18	Ⓔ	64M	2760335
120/100-18	Ⓔ	68M	2760336
100/90-19	Ⓔ	57M	2760337
110/90-19	Ⓔ	62M	2760338
120/90-19	Ⓔ	66M	2760339

Ⓔ = *E-marked street legal*

*Original equipment fitting on selected KTM & Husqvarna models.

■ FIM MAXXIS APPROVED PRODUCT 2013/2017

Features&Benefits

A unique knob and groove tread design offers exceptional and precise handling through intermediate conditions. The combination of M7304 front with the M7305 rear offers uncompromised straight line and cornering balance.

Selected tyres are E-marked, street legal.

MAXXIS®

OFF-ROAD MOTORCYCLE: MOTOCROSS

MAXXCROSS PRO-IT M7304/M7305

SAND/MUD
SOFT/INTERMEDIATE
INTERMEDIATE/TRACK
HARD PACK
ALL TERRAIN

M7304 FRONT

2.50 x 10		33J	2760382
60/100-14		30M	2760391
70/100-17		40M	2760380
70/100-19		42M	2760393
80/100-21	E	51M	2760381E

M7305 REAR*

2.75 x 10		38J	2760395
80/100-12		50M	2760390
90/100-14		49M	2760383
90/100-16		51M	2760392
110/100-18	E	64M	2760385E
120/100-18	E	68M	2760386E
100/90-19	E	57M	2760387E
110/90-19	E	62M	2760388E
120/90-19		66M	2760389

E = *E-marked street legal*

Features&Benefits

The versatile Maxxenduro M7313 and M7314 is an E-marked road legal tyre which is ideal for virtually all enduro conditions.

The side blocks provide accurate steering in muddy conditions and are designed for aggressive cornering even on the toughest terrain.

MAXXIS®

OFF-ROAD MOTORCYCLE: ENDURO

MAXXENDURO M7313/M7314 & MAXXCROSS PRO-SI M7311

SAND/MUD
SOFT/INTERMEDIATE
INTERMEDIATE/TRACK
HARD PACK
ALL TERRAIN/FIM

M7313 FRONT

90/90-21	E	54R	2760311

M7311 FRONT

80/100-21*	E	51M	2760301

M7314 REAR

120/90-18	E	65R	2760315
140/80-18*	E	70R	2760316

E = *E-marked street legal*

*Original equipment fitting on selected KTM models.

M7313 M7314 M7311

FIM MAXXIS APPROVED PRODUCT 2013/2017

Features&Benefits

Designed for the KTM Freeride, the Maxxis Trialmaxx brings riders the ultimate in trail riding performance in varied off-road conditions. This hybrid tyre features an extreme soft compound with looser packed and deeper knobs, providing superb levels of active grip on wet, slippery rock and the toughest of terrains. The Trialmaxx features an advanced compound which enhances traction for maximum control, and a special pattern sipe design that disperses mud and enhances shock absorption performance.

SAND/MUD

SOFT/INTERMEDIATE

INTERMEDIATE/TRACK

HARD PACK

ALL TERRAIN

MAXXIS®

OFF-ROAD MOTORCYCLE: TRAIL

TRIALMAXX M7319/M7320

M7319 FRONT				
2.75 x 21	Ⓔ	45M	TT	2760319

M7320 REAR				
400R x 18	Ⓔ	64M	TL	2760320

Ⓔ = *E-marked street legal*

Maxxcross PRO-SM *Maxxcross PRO-SI* *Maxxcross PRO-IT* *Maxxenduro* *Trialmaxx*

OFF-ROAD MOTORCYCLES SIZING CHART

SIZE	L/S	PATTERN	POSITION	TUBE	Part No.
10" MX Tyres					
2.50 x 10	33J	Maxxcross Pro IT M7304	Front	TT	2760382
2.50 x 10	33J	Maxxcross Pro SI M7311	Front	TT	2760340
2.75 x 10	38J	Maxxcross Pro IT M7305	Rear	TT	2760395
12" MX Tyres					
60/100-12	36M	Maxxcross Pro SI M7311	Front	TT	2760341
80/100-12	41M	Maxxcross Pro SI M7311	Front	TT	2760345
80/100-12	50M	Maxxcross Pro IT M7305	Rear	TT	2760390
14" MX Tyres					
60/100-14	30M	Maxxcross Pro IT M7304	Front	TT	2760391
60/100-14	30M	Maxxcross Pro SI M7311	Front	TT	2760344
90/100-14	49M	Maxxcross Pro IT M7305	Rear	TT	2760383
90/100-14	49M	Maxxcross Pro SI M7312	Rear	TT	2760333
16" MX Tyres					
90/100-16	51M	Maxxcross Pro IT M7305	Rear	TT	2760392
90/100-16	52M	Maxxcross Pro SI M7312	Rear	TT	2760342
17" MX Tyres					
70/100-17	40M	Maxxcross Pro IT M7304	Front	TT	2760380
70/100-17	40M	Maxxcross Pro SI M7311	Front	TT	2760330
100/100-17	58M	Maxxcross Pro IT M7305	Rear	TT	2760396

SIZE	L/S	PATTERN	POSITION	TUBE	Part No.
18" MX Tyres					
4.00R x 18	64M	Trialmaxx M7320	Rear	TL	2760320
100/100-18	59M	Maxxcross Pro IT M7305	Rear	TT	2760384E
100/100-18	59M	Maxxcross Pro SI M7312	Rear	TT	2760334
110/100-18	64M	Maxxcross Pro IT M7305	Rear	TT	2760385E
110/100-18	64M	Maxxcross Pro SI M7312	Rear	TT	2760335
120/90-18	65R	MaxxEnduro F.I.M M7314	Rear	TT	2760315
120/100-18	68M	Maxxcross Pro IT M7305	Rear	TT	2760386E
120/100-18	68M	Maxxcross Pro SI M7312	Rear	TT	2760336
140/80-18	70R	MaxxEnduro F.I.M M7314	Rear	TT	2760316
19" MX Tyres					
70/100-19	42M	Maxxcross Pro IT M7304	Front	TT	2760393
70/100-19	42M	Maxxcross Pro SI M7311	Front	TT	2760345
100/90-19	57M	Maxxcross Pro IT M7305	Rear	TT	2760387E
100/90-19	57M	Maxxcross Pro SM M7308	Rear	TT	2760327
100/90-19	57M	Maxxcross Pro SI M7312	Rear	TT	2760337
110/90-19	62M	Maxxcross Pro IT M7305	Rear	TT	2760388E
110/90-19	62M	Maxxcross Pro SM M7308	Rear	TT	2760328
110/90-19	62M	Maxxcross Pro SI M7312	Rear	TT	2760338
120/90-19	66M	Maxxcross Pro IT M7305	Rear	TT	2760389
120/90-19	66M	Maxxcross Pro SI M7312	Rear	TT	2760339
21" MX Tyres					
2.75 x 21	45M	Trialmaxx M7319	Front	TT	2760319
80/100-21	51M	Maxxcross Pro IT M7304	Front	TT	2760381E
80/100-21	51M	Maxxcross Pro SM M7307	Front	TT	2760321
80/100-21	51M	Maxxcross Pro SI M7311	Front	TT	2760301
90/90-21	54R	MaxxEnduro F.I.M M7313	Front	TT	2760311

MX TUBES

*Maxxis **tubes** are made from a butyl rubber compound that gives greater structural integrity over natural rubber tubes, providing greater air retention and a higher burst strength. **Mousses** are the alternative choice for use in extreme conditions where race finishes count*

MAXXIS TUBES

Tube Size	Valve	
MX HEAVY-DUTY 1.7 mm thick		
250-10	TR6	2860680
80/100-12	TR4	2860681
60/100-14	TR6	2860682
80/90-14(80/100-14)	TR6	2860683
90/100-16	TR4	2860684
70/100-17	TR6	2860685
100/110/120/100-18	TR4	2860688
70/100-19	TR6	2860686
100/110/120/90-19	TR4	2860689
90/100-20	TR6	2860687
80/100-21	TR6	2860690
MX/ENDURO XTRA HEAVY-DUTY 2.6 mm thick		
100/110/120/100-18	TR6	2860697
100/110/120/90-19	TR6	2860698
80/100-21	TR6	2860699
SUPERMOTO HEAVY-DUTY		
120/70-17	TR6	2860675
160/60-17	TR4	2860676

TR4 Straight metal stem
TR6 Straight metal stem with larger rubber base

Winx Mousses are the alternative to a DNF through punctures. Commonly used on the enduro circuit in extreme conditions mousses are now becoming more popular on the motocross scene where race finishes count. The mousse system replaces the conventional inner tube and is manufactured from a foam material to replicate the feel of an inner tube without any sacrifice in grip or tyre performance.

MOUSSE SIZE		
120/90-18	110/100-18	2860709N
140/80-18	120/100-18	2860710N
100/90-19		2860707N
110/90-19		2860708N
80/100-21	90/90-21	2860701N

MOUSSE GEL	
Winx Mousse Gel 100ml	2860712

ATV & QUADS

*Whatever the ATV, whatever the terrain, Maxxis **UTV and ATV tyres** are the choice of champions, offering superior peformance in an unrivalled range of sizes*

MAXXIS®

BIGHORN p30
BIGHORN 2.0 p31
SURTRAK p32
RUBICON p33
STREET SPEARZ p34
STREETMAXX p35
RAZR XM p36
RAZR2 p37

MAXXIS

ALL TERRAIN: UTV

BIGHORN RADIAL

RAISED WHITE TYRE BRANDING

Features&Benefits

- The iconic Maxxis Bighorn
- Radial construction provides better shock absorption and a smoother ride
- Extra lugs on the shoulder protect the sidewall and rim
- Distinctive raised white tyre branding
- Suitable for all types of riding
- All sizes 6PR rating and E-marked

M917 FRONT

AT25 x 8 R12	E	6PR	43N	2761101
AT26 x 9 R12	E	6PR	49N	2761105
AT26 x 9 R14	E	6PR	48N	2761112

M918 REAR

AT25 x 10 R12	E	6PR	50N	2761115
AT26 x 12 R12	E	6PR	58N	2761120
AT26 x 11 R14	E	6PR	56N	2761127

E = *E-marked street legal*

MAXXIS

ALL TERRAIN: UTV

BIGHORN 2.0 RADIAL

Features&Benefits

- The Bighorn 2.0 has a smaller tread block than the legendary Bighorn, reducing rotational mass – less drag for improved fuel economy, more traction for more power
- Radial construction provides shock absorption for a smoother ride
- A non-directional pattern provides predictable cornering and claws up roots and rocks, creating optimum climbing confidence
- The Bighorn 2.0 offers advanced radial technology at a competitive price too

MU09 FRONT

AT24 x 8 R12	E	6PR	40N	2761138
AT25 x 8 R12	E	6PR	43N	2761140
AT26 x 9 R12	E	6PR	49N	2761142
AT26 x 9 R14	E	6PR	48N	2761145
27 x 9.00 R14*	E	4PR	54K	2761148

MU10 REAR

AT24 x 10 R11	E	6PR	48N	2761158
AT25 x 10 R12	E	6PR	50N	2761160
AT26 x 11 R12	E	6PR	55N	2761162
AT26 x 11 R14	E	6PR	56N	2761165
27 x 11.00 R14*	E	4PR	73K	2761168

E = *E-marked street legal*

** M+S certification*

ORIGINAL EQUIPMENT APPROVAL

MAXXIS®

ALL TERRAIN: ATV

SURTRAK

Features&Benefits

- Directional tread design with dual channel lugs moves loose soil away from the contact patch for enhanced traction, delivering outstanding grip in mud, sand and snow
- Outside shoulder lugs provide aggressive shoulder bite
- E-marked street legal
- Durable nylon carcass provides excellent puncture resistance
- Dual purpose – for use on mud and dirt terrain when fitted in one direction, and for sand when fitted with the tread rotating in the opposite direction.

SURTRAK				
24 x 10.00-11	Ⓔ	2PR	36J	2760479
24 x 8.00-12	Ⓔ	2PR	28J	2760480
25 x 8.00-12	Ⓔ	2PR	31J	2760476
25 x 10.00-12	Ⓔ	2PR	38J	2760477

Ⓔ = *E-marked street legal*

MAXXIS®

ALL TERRAIN: ATV

RUBICON OVERSIZE

Features&Benefits

- Oversize conversion tyres for ultimate performance in arduous conditions while still using standard rims
- Computer designed tread pattern delivers maximum performance
- Wide self-cleaning hook and bar tread design offers plenty of traction and power to tackle the toughest mud and steepest hills
- The Rubicon's aggressive oversized pattern was designed purely for off-road muddy and boggy conditions and is NOT suitable for street use and therefore is NOT E-marked

RUBICON			
25 x 9.50-12	2PR	–	2760447
25 x 12.50-12	2PR	–	2760448

MAXXIS®

ALL TERRAIN

STREET SPEARZ

Features&Benefits

- High land-to-sea ratio instills confidence on very hard terrain
- Compound is specifically formulated for high performance applications
- Deep grooves rapidly disperse water for confidence in wet conditions
- Q rated for higher road speeds (160kph/100mph)

STREET SPEARZ M991/M992

195/50-10 (17.5 x 7.50-10)	E	35Q	2760862
225/40-10 (18 x 10.00-10)	E	46Q	2760876

E = *E-marked street legal*

MAXXIS®

ALL TERRAIN

STREETMAXX

Features&Benefits

- Pure-bred street quad tyres optimised for use on public roads and Tarmac
- Predictable steering, grip and braking combine to give an exhilarating but safe ride
- E-marked street legal with a 140kmph (88mph) speed rating
- Excellent levels of traction and grip in both wet and dry conditions
- Tread design delivers precise cornering and stability

FRONT

AT19 x 7-8	E	4PR	20N	2760815
165/70-10 (18.5 x 6.00-10)	E	4PR	27N	2760805
175/70-10 (21 x 7.00-10)	E	4PR	42N	2760810
185/88-12 (25 x 8.00-12)	E	4PR	40N	2760820

REAR

AT19 x 8-8	E	4PR	24N	2760825
215/50-9 (20 x 10.00-9)	E	4PR	50N	2760830
225/40-10 (18 x 10.00-10)	E	4PR	56N	2760835
255/60-10 (22 x 10.00-10)	E	4PR	32N	2760840
270/60-12 (25 x 10.00-12)	E	4PR	50N	2760850

E = *E-marked street legal*

MAXXIS®

ALL TERRAIN: ATV & COMPETITION

RAZR XM/XC

Features&Benefits

- More than a decade of research and development along with input from our countless motocross champions culminated in the Razr XM/XC
- A brand new tread pattern with aggressive, pre-grooved lugs that bite hard and slide predictably
- Motocross-specific soft compound
- Lightweight 2PR rated construction
- Designed for all motocross racing conditions

RS07 FRONT

AT20 x 6-10 #397 Inter/hard	E B	2PR	23M	2760920
AT20 x 6-10 #403 Soft/inter	E B	2PR	23M	2760922
AT21 x 7-10 (Razr XC)	E	6PR	19M	2760925

RS08 REAR

AT18 x 10-8 #397 Inter/hard	E B	2PR	28M	2760930
AT18 x 10-8 #734 Soft/inter	E B	2PR	28M	2760927
AT20 x 11-9 (Razr XC)	E	6PR	32M	2760932

E = *E-marked street legal*

B = *Bias belted*

MAXXIS®

ALL TERRAIN: ATV & COMPETITION

RAZR2

Features&Benefits

- The next generation of the ever popular Maxxis Razr with a standard 6PR rating for maximum puncture resistance
- Aggressive tread pattern for enhanced cornering ability
- Suitable for all types of cross-country terrain
- Increased lug depth offers increased skid and traction control

M933 FRONT

AT21 x 7-10	E	6PR	30J	2761004
AT23 x 7-10	E	6PR	36J	2761010

M934 REAR

AT20 x 11-9	E	6PR	43J	2761016
AT22 x 11-10	E	6PR	47J	2761030

E = *E-marked street legal*

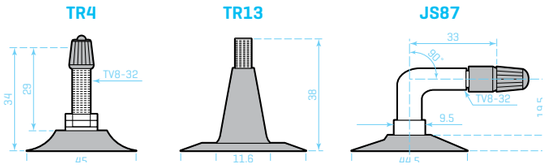
Bighorn *Bighorn 2.0* *Surtrak* *Rubicon* *Street Spearz* *Streetmaxx* *Razr XM* *Razr2*

ATV & QUAD SIZING CHART

SIZE – Millimetric/Imperial	L/S	PATTERN	POSITION	TUBE	Part No.
8" ATV TYRES					
AT18x10-8 #397	28M	Razr XM RS08	Rear	TL	2760930
AT18x10-8 #734	28M	Razr XM RS08	Rear	TL	2760927
AT19x7-8	20N	Streetmaxx	Front	TL	2760815
AT19x8-8	24N	Streetmaxx	Rear	TL	2760825
9" ATV TYRES					
215/50-9 (20x10.00-9)	50N	Streetmaxx	Rear	TL	2760830
AT20x11-9	43J	Razr2 M934	Rear	TL	2761016
AT20x11-9	32M	Razr XM RS08	Rear	TL	2760932
10" ATV TYRES					
195/50-10 (17.5x7.50-10)	35Q	Street Spearz M991	Front	TL	2760862
225/40-10 (18x10.00-10)	56N	Streetmaxx	Rear	TL	2760835
225/40-10 (18x10.00-10)	46Q	Street Spearz M992	Rear	TL	2760876
165/70-10 (18.5x6.00-10)	27N	Streetmaxx	Front	TL	2760805
AT20x6-10 #397	23M	Razr XM RS07	Front	TL	2760920
AT20x6-10 #403	23M	Razr XM RS07	Front	TL	2760922
175/70-10 (21x7.00-10)	42N	Streetmaxx	Front	TL	2760810
AT21x7-10	19M	Razr XM RS07	Front	TL	2760925
AT21x7-10	30J	Razr2 M933	Front	TL	2761004
255/60-10 (22x10.00-10)	32N	Streetmaxx	Rear	TL	2760840
AT22x11-10	48J	Razr2 M934	Rear	TL	2761030
AT23x7-10	36J	Razr2 M933	Front	TL	2761010

SIZE – Millimetric/Imperial	L/S	PATTERN	POSITION	TUBE	Part No.
11" ATV TYRES					
AT24x10 R11	48N	Bighorn 2.0 MU10	Rear	TL	2761158
24x10.00-11	36J	Surtrak	Universal	TL	2760479
12" ATV TYRES					
AT24x8 R12	40N	Bighorn 2.0 MU09	Front	TL	2761138
24x8.00-12	28J	Surtrak	Universal	TL	2760480
AT25x8 R12	43N	Bighorn M917	Front	TL	2761101
AT25x8 R12	43N	Bighorn 2.0 MU09	Front	TL	2761140
25x8.00-12	31J	Surtrak	Universal	TL	2760476
185/88-12 (25x8.00-12)	40N	Streetmaxx	Front	TL	2760820
25x9.50-12	–	Rubicon M983	Universal	TL	2760447
AT25x10 R12	50N	Bighorn M918	Rear	TL	2761115
AT25x10 R12	50N	Bighorn 2.0 MU10	Rear	TL	2761160
25x10.00-12	38J	Surtrak	Universal	TL	2760477
270/60-12 (25x10.00-12)	50N	Streetmaxx	Rear	TL	2760850
25x12.50-12	–	Rubicon M983	Universal	TL	2760448
AT26x9 R12	49N	Bighorn M917	Front	TL	2761105
AT26x9 R12	49N	Bighorn 2.0 MU09	Front	TL	2761142
AT26x11 R12	55N	Bighorn 2.0 MU10	Rear	TL	2761162
AT26x12 R12	58N	Bighorn M918	Rear	TL	2761120
14" ATV TYRES					
AT26x9 R14	48N	Bighorn M917	Front	TL	2761112
AT26x9 R14	48N	Bighorn 2.0 MU09	Front	TL	2761145
AT26x11 R14	56N	Bighorn M918	Rear	TL	2761127
AT26x11 R14	56N	Bighorn 2.0 MU10	Rear	TL	2761165
27x9.00 R14	54K	Bighorn 2.0 MU09	Front	TL	2761148
27x11.00 R14	73K	Bighorn 2.0 MU10	Rear	TL	2761168

TUBE SIZING CHART



TUBE SIZE	WILL FIT TYRE SIZE									
2.50/2.75-8	2.50-8	2.75-8								
3.00/3.25-8	3.00-8	3.25-8								
3.50/4.00-8	3.50-8	4.00-8								
2.50/2.75-10	2.50-10	2.75-10								
3.00/3.25-10	3.00-10	3.25-10	80/90-10							
3.50/4.00-10	3.50-10	4.00-10	100/90-10							
2.75/3.00-12	2.75-12	3.00-12	80/100-12	100/80-12						
3.00/3.25-12	3.00-12	3.25-12	80/100-12	100/80-12						
2.75/3.00-14	2.75-14	3.00-14	3.60-14	80/80-14						
3.50/3.75-14	3.50-14	3.75-14	4.10-14	110/80-14						
2.75/3.00-16	2.75-16	3.00-16	80/100-16	80/90-16						
3.00/3.25-16	3.00-16	3.25-16	90/90-16	100/80-16						
3.25/3.50-16	3.25-16	3.50-16	100/90-16	90/100-16	90/90-16	100/80-16				
4.00/4.60-16	4.00-16	4.60-16	120/80-16	110/90-16	120/90-16					
5.00/5.10-16	5.00-16	5.10-16	130/90-16	140/80-16	140/90-16	150/80-16				
2.25/2.50-17	2.25-17	2.50-17	3.10-17	70/100-17						
2.75/3.00-17	2.75-17	3.00-17	3.10-17	80/90-17	100/80-17					
3.00/3.25-17	3.00-17	3.25-17	100/80-17							
3.25/3.50-17	3.25-17	3.50-17	110/80-17							
3.75/4.00-17	3.75-17	4.00-17	120/80-17							
4.00/4.50-17	4.00-17	4.50-17	4.25-17	4.60-17	110/90-17	110/100-17	120/80-17	120/90-17	130/80-17	130/70-17
5.00/5.10-17	5.00-17	5.10-17	130/90-17	140/80-17	140/90-17	5.30-17				
2.25/2.50-18	2.25-18	2.50-18	3.10-18							
2.50/2.75-18	2.50-18	2.75-18	3.10-18	80/90-18						
2.75/3.00-18	2.75-18	3.00-18	3.60-18	80/90-18	90/90-18	80/100-18				
3.00/3.25-18	3.00-18	3.25-18	3.60-18	90/90-18						
3.25/3.50-18	3.25-18	3.50-18	3.60-18	4.10-18	90/90-18	90/100-18	100/90-18	110/80-18		
3.50/4.00-18	3.50-18	4.00-18	4.10-18	4.25-18	4.60-18	100/90-18	100/100-18	110/80-18	110/90-18	120/80-18
3.75/4.00-18	3.75-18	4.00-18	4.25-18	4.60-18	100/100-18	110/90-18	120/80-18			
4.00/4.50-18	4.00-18	4.50-18	4.25-18	4.60-18	4.70-18	110/90-18	110/100-18	120/80-18	120/90-18	130/70-18 130/80-18
5.00/5.10-18	5.00-18	5.10-18	130/90-18	140/80-18	140/90-18	120/100-18	140/70-18			
2.50/2.75-19	2.50-19	2.75-19	70/100-19							
2.75/3.00-19	2.75-19	3.00-19	3.60-19	90/90-19						
3.00/3.25-19	3.00-19	3.25-19	3.60-19	90/90-19						
3.25/3.50-19	3.25-19	3.50-19	3.60-19	4.10-19	90/90-19	100/90-19	110/80-19			
3.50/4.00-19	3.50-19	4.00-19	4.10-19	4.25-19	4.60-19	100/90-19	110/80-19	110/90-19	120/80-19	
4.00/4.25-19	4.00-19	4.25-19	110/90-19	120/80-19	120/90-19					
2.50/2.75-21	2.50-21	2.75-21	70/100-21	80/80-21	80/90-21	90/80-21				
2.75/3.00-21	2.75-21	3.00-21	80/90-21	80/100-21	90/80-21	90/90-21	100/80-21			
2.75/3.00-22	2.75-22	3.00-22								
2.75-23	2.75-23									

PEACE OF MIND AT NO EXTRA COST

LifetimeGuarantee

The Maxxis product has a pedigree born out of its strength in research and development. A superior product at value-for-money prices, offering not only a great margin opportunity, but peace of mind for customers in the form of product guarantee – an unbeatable, comprehensive product proposition. For terms and conditions of the guarantee, please visit: www.maxxis.co.uk/lifetime-guarantee

We are so confident in the quality, reliability and durability of our tyres that we have no hesitation in offering a replacement guarantee if they are found wanting in terms of manufacture or materials. This confidence is based on the knowledge that Maxxis tyres undergo such a rigorous development process before being brought to market. This cornerstone of Maxxis corporate strategy has been pivotal in its success and continues to raise the bar for standards in the whole industry.

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TYRES

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TECHNICAL INFORMATION

TYPES OF TYRE

There are three tyre construction types:

- diagonal cross-ply
- radial ply
- bias belted

These may be:

- tubeless (no tube required) or
- tube type (requiring inner tube)

All three construction types are manufactured in several tread profiles. Tread patterns and profiles are available for front and rear positions.

Special tyres are available for sporting events, some of which are unsuitable for road use and are marked accordingly (normally NHS - Not for Highway Service).

REGULATION MIXING OF TYRES

The intermixing of radial, bias belted and diagonal cross-ply tyres has legal requirements and motorcyclists are advised to consult the Motor Vehicles (Construction and Use) regulations obtainable from Her Majesty's Stationery Office.

Recommended fitment:

1. Diagonal cross-ply front and rear
2. Diagonal cross-ply front and bias belted rear
3. Diagonal cross-ply front and radial rear
4. Radial front and rear
5. Bias belted front and rear

Illegal fitment:

1. Radial front and diagonal cross-ply rear
2. Bias belted front and diagonal cross-ply rear
3. Radial front and bias belted rear

TYRE LOAD AND SPEED MARKINGS

Radial, bias belted, and diagonal cross-ply tyres have markings to indicate their load and speed capabilities.

It is important that tyres are suitable for the maximum speed capability of the motorcycle. In some overseas countries this is a legal requirement.

Tyre speeds are shown in accordance with an alphabetical list of symbols indicating speeds at 10 km/h increments.

The relevant speed symbol is positioned near the size designation in conjunction with a load index: e.g. 120/90-18 65S, where '65' is the load index and 'S' the speed symbol. In the case of speed symbols 'V' and 'ZR', these are shown within the size designation, e.g. 120/90-V18. The size designation for 'V' and 'ZR' normally omits the load index. Details of speed symbols and load indices are shown in tables 1 and 2.

WATCH YOUR TREAD

Tyre treads are designed to give good wet grip but the road surface condition plays the major part in tyre to road adhesion. In general, wet grip decreases as tyre tread patterns wear down or as the depth of surface water increases. Motorcyclists should take this into consideration and reduce speed when it is wet.

The legal limit of tyre tread depth in the UK for motorcycles over 50 cc is 1 mm across 3/4 of the width of the tread pattern and with visible tread on the remaining 1/4. For motorcycles up to 50 cc the law requires that all the grooves of the original tread pattern must be clearly visible. The legal requirements may differ in other countries.

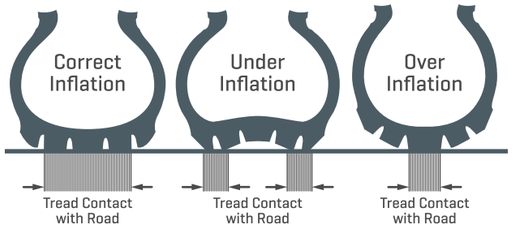
SAFETY AND MAINTENANCE

Inflation pressures must be checked at least once a week. They should be checked only when the tyre is cold, since there is an increase in pressure when the tyre has warmed up after being run. A reliable pressure gauge should be used.

The recommended inflation pressures are vitally important for safe handling of the motorcycle. Pressures must be adjusted appropriately for solo and for pillion and pannier loads. It is dangerous to re-inflate a tyre which has been run flat or seriously under-inflated. Such tyres should be removed for inspection by a tyre specialist.

Tyres should be examined regularly, removing stones and other objects embedded in the tyre. Oil or grease should be removed with a suitable diluted detergent.

Lumps or bulges could indicate internal damage and should be examined by a tyre specialist without delay.



AGE DETERIORATION

Tyres can deteriorate with age which shows as cracking of the tread and sidewall rubber, sometimes accompanied by carcass deformation. Cracking is usually an indication that tyres have been in service for an extremely long time, but rubber deterioration may be brought about by poor storage conditions. If cracking is severe, the tyre must be replaced.

TUBES

Ensure that the correct size and type is fitted and that the valve stem tightly fits the hole in the rim. Always use a new tube when fitting a replacement tube type tyre or a tubeless tyre requiring an inner tube.

Tubes which are stretched, thinned or excessively repaired may deflate without warning and should not be re-fitted.

Tubes must always be used with tyres fitted to wire spoked wheels, irrespective of whether the tyre is tubeless or tube type, except for those wire spoked rims specifically designed for tubeless tyres. A rim band or a rim tape of the correct type must be fitted to protect the tube from spoke head damage.

Inner tubes of the correct size may only be used with tubeless tyres if correctly fitted and approved by the individual tyre manufacturer. It must, however, be emphasised that the result of fitting tubes in tubeless tyres is that, in the event of a puncture, the assembly will behave in exactly the same way as a tube type tyre and tube assembly, i.e. it is likely to lose pressure more rapidly than a tubeless tyre assembly.

Where tubes for certain low profile tubeless tyres are not available, an alternative size tube should not be fitted.

Tyres which are marked 'Tube Type' or are not marked 'Tubeless' must be fitted with an inner tube.

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TECHNICAL INFORMATION

VALVES

A new valve should be fitted when replacing tubeless tyres. When checking or adjusting inflation pressure always ensure that the valve is not leaking.

The fitment of a valve core with a steel spring is necessary for high speed usage. Particular care must be taken to ensure that the valve is the correct size and type for the rim.

When a tube is fitted and the rim valve hole is designed for a rubber snap-in tubeless valve, it will be necessary to fit an adapter collar or skirted lock nut to ensure correct valve location. Always fit a valve cap, preferably of the sealing type.

REPAIRED TYRES

Repairs to motorcycle tyres and tubes must be carried out in accordance with current BS AU159 standards and should, therefore, be entrusted to a specialist.

All punctured or damaged tyres must be removed from the wheel for internal and external examination to ensure there is no hidden damage which would cause a later failure.

In order to avoid such a hazard, neither externally applied plug tyre repairs nor liquid sealants are recommended and tyre manufacturers cannot be responsible for problems resulting from their use.

WHEELS AND RIMS

It is essential that the wheel size and type is a suitable fitment for the tyre and motorcycle concerned (see table 3).

Tyres must not be used on damaged or distorted wheels since this could result in tyre damage and deflation.

Car and motorcycle rims of the same nominal diameter have different dimensions and therefore car and motorcycle rims and tyres must not be inter-changed.

REMOVAL AND FITTING OF TYRES

These operations should be entrusted only to a tyre specialist who has the necessary equipment and expertise. Improper fitting can result in damaged tyres and wheels. Direction arrows, where shown on the sidewall, indicate the direction of rotation of front and rear tyres and must not be ignored.

GENERAL

Driving over pot-holes, kerbs or other obstructions, even at low speeds, can result in the weakening or fracture of the casing structure.

E-MARKING

Motorcycle tyres will be supplied in accordance with 'The Motor Vehicle Tyre (Safety) Regulations 2003'.

TABLE 1: TYRE SPEED MARKINGS

Speed Symbol	Maximum motorcycle speed for which the tyre is suitable	
	km/h	mph
Moped (B)	50	30
F	80	50
J	100	62
K	110	69
L	120	75
M	130	81
P (or -)	150	95
Q	160	100
R	170	105
S	180	113
T	190	118
U	200	125
H	210	130
V*	over 210	over 130
R*	over 240	over 150
W*	over 270	over 168

The maximum approved speed may be marked on the tyre sidewall, for example: 57H meaning 57 is the max load of 230kg and H specifies 210km/h as the maximum speed

TABLE 2: TYRE LOAD INDICES AND RELATING MAXIMUM LOADS

Load Index	Load kg	Load Index	Load kg	Load Index	Load kg	Load Index	Load kg
20	80	35	121	50	190	65	290
21	82.5	36	125	51	195	66	300
22	85	37	128	52	200	67	307
23	87.5	38	132	53	206	68	315
24	90	39	136	54	212	69	325
25	92.5	40	140	55	218	70	335
26	95	41	145	56	224	71	345
27	97	42	150	57	230	72	335
28	100	43	155	58	236	73	365
29	103	44	160	59	243	74	375
30	106	45	165	60	250	75	387
31	109	46	170	61	257	76	400
32	112	47	175	62	265	77	412
33	115	48	180	63	272	78	425
34	118	49	185	64	280	79	437

TECHNICAL INFORMATION

SIZE DESIGNATIONS

Metric Designation

130 / 90 - 16 67 H

- Speed rating
- Load rating
- Rim diameter (inches)
- Aspect ratio (90%)
- Section width (mm)

Imperial Designation

5.00 H 16 4PR

- Casing strength (ply rating)
- Rim diameter (inches)
- Speed rating
- Section width (inches)

Alphabetical Designation

M T 90 - 16 Load Range B

- Load range
- Rim diameter (inches)
- Aspect ratio (90%)
- Tyre width code
- Motorcycle code

TYRE CONVERSION CHART

Imperial	Imperial 90% series	Metric 90% series	Metric 80% series	Alphabetical
2.25	-	70/90	80/80	-
2.50	3.10	80/90	80/80, 90/80	MH90
2.75	3.10	80/90	80/80, 90/80	-
3.00	3.60	90/90	100/80	MJ90
3.25	3.60	90/90	100/80	-
3.50	4.10	100/90	110/80	MM90
4.00	4.25, 4.60	110/90	120/80	MN90
4.25	4.70	120/90	130/80	MR90
4.50	5.10, 5.30	130/90	140/80	MT90
5.50	-	140/90	150/80	MU90
5.00	-	150/90	160/80	MV85

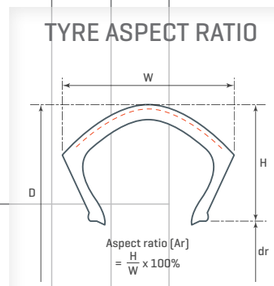
Motorcycle tyres are manufactured in a number of different countries with differing requirements in terms of load, dimensions and speed ratings. This has resulted in various size markings. This chart gives a guide to the relationship between various size markings.

THIS CHART DOES NOT IMPLY EXACT COMPARISONS.

TABLE 3: WHEEL RIMS

TYRE ASPECT	RIM SIZE: 1.20	1.35	1.5 WM0	1.6 WM1	1.85 WM2	MT1.85 2.15 WM3	MT2.15 MT2.5 2.50	MT2.75 2.75	MT3.00	MT3.5	MT4.0	MT4.5	MT5.0	MT5.25 MT5.5 MT5.75
100%	2.25	2.25 2.50	***2.25*** ***2.50*** 2.75	2.25 2.50 2.75 3.00 3.10	 ***2.75*** ***3.00*** ***3.10***	 3.00 3.10	 	 	 	 	 	 	 	
					3.25 3.50 ***3.60***	***3.25*** ***3.50*** ***3.60***	3.25 3.50 3.60							
							4.00 4.10	***4.00*** ***4.10***	4.00 4.10 ***5.00***	4.00 5.00				
90%				80/90	***80/90*** 90/90	80/90 ***90/90*** 100/90 110/90	 90/90 ***100/90*** ***110/90*** 120/90 130/90	 100/90 110/90 ***120/90*** 130/90 140/90	 110/90 120/90 ***130/90*** 140/90 150/90	 130/90 ***140/90*** ***150/90***	 150/90			
80%						110/80	***110/80*** 120/80 130/80	110/80 ***120/80*** 130/80 140/80	110/80 120/80 ***130/80*** 140/80 150/80	 130/80 ***140/80*** ***150/80*** 160/80	 150/80 ***160/80***	 160/80		
70%								110/70	***110/70*** 120/70 130/70	110/70 ***120/70*** ***130/70*** 140/70 150/70 160/70	 130/70 ***140/70*** ***150/70*** 160/70 170/70	 140/70 150/70 ***160/70*** ***170/70***	 160/70 170/70	 170/70
60%									120/60 ***130/60***	120/60 130/60 ***140/60*** ***150/60*** 160/60	 130/60 140/60 150/60 ***160/60*** ***170/60***	 140/60 150/60 160/60 170/60	 160/60 170/60	 170/60
55%														***180/55***
50%														***190/50***

TYRE ASPECT RATIO



Aspect ratio (Ar) = $\frac{H}{W} \times 100\%$

Aspect ratio is the tyre section height expressed as a percentage of the width

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TECHNICAL INFORMATION

SIZE MARKINGS

There are essentially three types of size marking used for motorcycle tyres:

1 Imperial
2 Imperial Low Profile
3 Millimetric

All of these systems describe the width (W), height (H) and rim diameter (dr) of a tyre size.

The Tyre Aspect Ratio drawing (on page 6) shows where these dimensions are measured from and the overall diameter (D).

The height of the tyre and hence its overall diameter (D) is controlled by the Aspect Ratio (Ar).

Tyre sizes for all motorcycle tyres, except those for specialised non-road legal applications, (pure racing tyres, ATV tyres, etc.) are expressed as:

Width/Aspect Ratio	Construction	Rim diameter
	or	
W/R	Speed Symbol	dr

For older Imperial sizes the Aspect Ratio is 100% and not shown.

For example:

3.50 x 18 = 3.50" wide, 3.50" tall — 18" rim diameter

For the older Imperial Low Profile series the Aspect Ratio was 90% but as the widths of the tyres were unique, it was not shown. Where the tyre width was not unique, or where the Aspect Ratio was not 90%, the actual Aspect Ratio was shown.

For example:

4.10 x 19, where 4.10 is a unique width
4.10" wide 4.10 x 90% = 3.7" tall — 19" rim diameter
4.25/85-18, Where 4.25 is not a unique width and the Aspect Ratio is not 90%
4.25" wide/4.25 x 85% = 3.6" tall — 18" rim diameter

Perhaps the most easily understood size markings are the modern millimetric type.

For example:

110/90-18
110 mm wide/110 x 90% = 99 mm tall — 18" rim diameter

Although the mixing of Metric and Imperial units can, even in this case, cause some confusion.

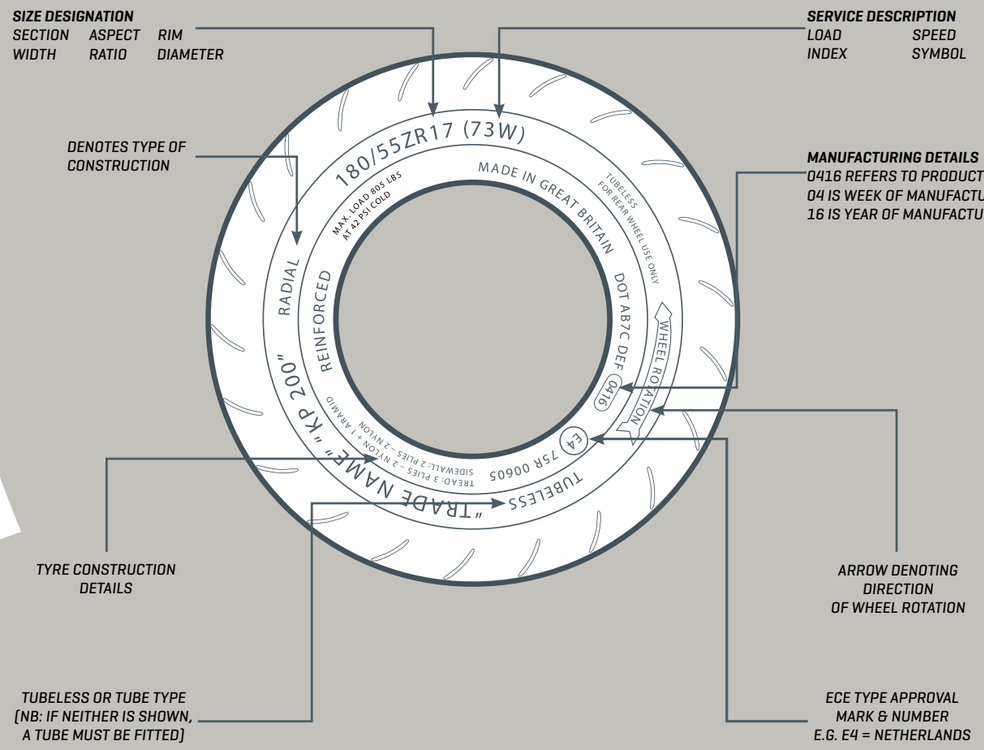
The effect of changing the Aspect Ratio is to change the overall diameter of the tyre:

D = W x Ar x 2 + (25.4 x dr)

Therefore:

120/100-18 D = 120 x 100% x 2 + (25.4 x 18) = 697.2 mm
120/90-18 D = 120 x 90% x 2 + (25.4 x 18) = 673.2 mm
120/80-18 D = 120 x 80% x 2 + (25.4 x 18) = 649.2 mm

Each of these tyres is 120 mm wide and fitted on an 18" rim but as you can see there is a significant difference in the overall diameters.



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