

5. LOAD INDEX

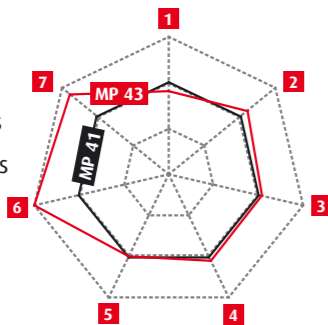
LI	kg	lbs	LI	kg	lbs
70	335	737	87	545	1201
71	345	759	88	560	1235
72	355	781	89	580	1279
73	365	803	90	600	1323
74	375	816	91	615	1356
75	387	853	92	630	1389
76	400	882	93	650	1433
77	412	908	94	670	1477
78	425	937	95	690	1521
79	437	963	96	710	1565
80	450	992	97	730	1609
81	462	1019	98	750	1653
82	475	1047	99	775	1709
83	487	1074	100	800	1764
84	500	1102	101	825	1797
85	515	1135	102	850	1874
86	530	1168			

COMPARATIVE TESTS

	MP 43	MP 41	LWP 1	LWP 2
Brakes - dry surfaces	39,48 96,48%	38,09 100,00%	38,66 98,53%	37,14 102,56%
Brakes - wet asphalt	39,58 104,14%	41,22 100,00%	38,87 106,05%	38,09 108,22%
Handling - dry surfaces	77,98 101,81%	79,39 100,00%	78,23 101,48%	77,93 101,87%
Handling - wet surfaces	40,74 102,04%	41,57 100,00%	40,83 101,81%	40,28 103,20%
Aquaplaning	85,03 99,77%	85,23 100,00%	85 99,73%	80,94 94,97%

LWP - leading world producer

- >> 1 Brakes - dry surfaces
- >> 2 Brakes - wet surfaces
- >> 3 Handling - dry surfaces
- >> 4 Handling - wet surfaces
- >> 5 Aquaplaning
- >> 6 Average service life
- >> 1 Comfort



COMPARATIVE TESTS - interior noise

Speed - 100 km/h	Number of kilometres driven on the tyres	
	3000	15000
Pneu 205/55 R16		
LWP 1	67,00 dB	66,33 dB
LWP 2	67,50 dB	67,33 dB
Matador MP41	67,50 dB	70,00 dB
Matador MP43	66,33 dB	66,33 dB

Speed - 60 km/h	Number of kilometres driven on the tyres	
	3000	15000
Pneu 205/55 R16		
LWP 1	63,67 dB	62,83 dB
LWP 2	64,17 dB	63,33 dB
Matador MP41	64,00 dB	67,00 dB
Matador MP43	62,17 dB	62,17 dB

>> New product MP 43 Aquilla Evo is significantly improved in comparison to its predecessor MP 41 Aquilla from the point of view of service life, comfort and in particular interior noise, and at the same time it retains all the good qualities of MP 41. This can also be proved by results of comparative test of these two tread pattern series and of two other tread patterns of leading world producers. Based on results of test-drive and noise tests, that Matador MP 43 Aquilla Evo is fully comparable and in some characteristics even better than products of the biggest world tyre producers.



Passenger radial tyres

Aquila Evo MP 43



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NEW MATADOR TYRE M MP 43 AQUILLA EVO

>> MP 43 is a new summer HIGH PERFORMANCE tyre casing of the brand MATADOR designated for customers driving high-performance and comfortable vehicles. Trade name AQUILLA EVO has similar characteristics as its predecessor MP 41 AQUILLA, mainly regarding sport type and directional tread pattern of the tyre casing. In comparison to MP 41 tyre casing, new tread pattern is characterized by significantly increased comfort, in particular the acoustic one. At the same time it has increased service life and retains very high level of other properties.

USAGE OF MP 43 AQUILLA EVO TYRE

>> The tyre MP 43 AQUILLA EVO is designated for owners of fast vehicles of middle, high middle and luxury class of passenger vehicles. It addresses customers, who prefer sport type of ride and require from a tyre high safety on wet and dry road surfaces. Also comfort at increased speeds, excellent handling of a vehicle and short stopping distance, excellent resistance against aquaplaning, retaining high level of comfort of ride and very good mileage of a tyre. MP 43 AQUILLA EVO satisfies also the most demanding customer, which can also be proved by its categorisation to a group HP – HIGH PERFORMANCE. It shall be produced for speed categories of up to 210, 240 and 270 km/h.

TREAD PATTERN CHARACTERISTICS

>> Tread pattern MP 43 is created by more stabile shoulder blocks that achieve higher performances in handling also at maximum speeds and thus support its sport character. Inner part is composed of arrow-like grooves that lead water away from the central zone, thus improve contact with wet road surfaces and allow safe transfer of driving and braking forces of the engine.

EVO AS EVOLUTION INNOVATIVE ELEMENTS USED FOR MP 43 AQUILLA EVO:

>> noise level is individually optimized for three zones of the tread pattern, and thanks to optimal alteration of variable breadths of blocks we significantly increased comfort of tyre and quiet and calm rolling

- >> the tread pattern is produced by new technology based on ecological tread pattern compound with very low rolling resistance (compound with HD SILICA), which apart from increased adhesion provides also increased service life and at the same time reduces inverse impact on environment thanks to low aromatic oils (HAO FREE)
- >> innovative is also design of the sidewall, which is solved by new plastic way and offers the customer elements that inform him about course of service life as well as of tyre position on vehicle

MARKING AND SYMBOLS ON SIDEWALL OF TYRE CASING

KILOMETRE POST



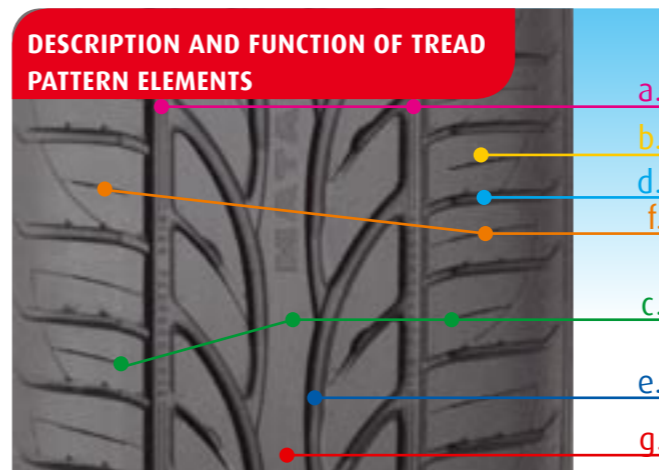
- >> new information element on the sidewall of a tyre thanks to which a customer can securely determine how many kilometres he had driven also after changing the tyre several times
- >> when putting new tyres, a customer shall mark on a kilometre post the exact number of kilometres from tachometer.
- >> when taking tyres off, a customer shall mark a new data from tachometer
- >> the difference between the first and the second data is a number of km driven on the customer's tyres
- >> when changing tyres for next season, a customer shall continue with marking the state of tachometer

POSITION OF A TYRE



- >> new innovative element on the sidewall of a tyre thanks to which a customer knows the exact position of each tyre on a vehicle after re-placing tyres
- >> when changing tyres, a customer shall clearly mark each corresponding position of a tyre on a symbol 'Position of a tyre'

DESCRIPTION AND FUNCTION OF TREAD PATTERN ELEMENTS



- a SHOULDER CIRCUMFERE**
 - >> primarily, they contribute to high resistance against aquaplaning
 - >> secure excellent directional stability
 - >> asymmetric chamfer of groove increases axial rigidity of the tread pattern
- b SHOULDER PART**
 - >> broad shoulder part secures rigidity of blocks = excellent stability in curves
 - >> narrow cross grooves significantly reduce noise and contribute to lead water away from the track
- c NOISE**
 - >> optimized individually for three tread pattern zones
 - >> together with optimally changing variable breadths of blocks significantly increase comfort of tyre casing
- d NOTCHES IN SHOUL**
 - >> two equally distributed notches on leading edge of shoulder blocks reduce noise created by contact of edge with road surface
- e CENTRAL PART OF THE**
 - >> central zone is reduces of 15% comparing to the shoulder one in order to eliminate aquaplaning at increased speeds
 - >> V-shaped bevelled grooves increase security and performance on wet road surfaces
- f LAMELLAS**
 - >> by pointed division of blocks they contribute to maximum performance of the most strained deformation zones
- g CENTRAL CIRCUMFERENTIAL BELT**
 - >> increases directional stability
 - >> supports sporting performance

4. SIZES AVAILABLE

Size	Disk	LI	SI
185/65	R 15	88	H
185/65 XL	R 15	92	H
195/65	R 15	91	V
205/65	R 15	94	V
185/60	R 15	84	H
195/60	R 15	88	H, V
205/60	R 15	91	V
188/55	R 15	82	H, V
195/55	R 15	85	H, V
205/55	R 15	88	V
195/50	R 15	82	V
205/50	R 15	86	V
205/60*	R 16	92	H, V
225/60 XL*	R 16	102	W
195/55	R 16	87	V
205/55	R 16	91	V
205/55 XL	R 16	94	W
215/55	R 16	93	W
215/55 XL	R 16	97	H
225/55	R 16	95	V, W
225/55 XL	R 16	99	W
205/50*	R 16	87	V, W
205/50*	R 17	89	W
205/50 XL*	R 17	93	V
225/50*	R 17	94	W
225/50 XL*	R 17	98	W
215/45*	R 17	87	W
215/45 XL*	R 17	91	V
225/45*	R 17	91	W
225/45 XL*	R 17	94	V
235/45*	R 17	94	W
245/45 XL*	R 17	99	W
245/45 XL*	R 18	100	W

XL (Extra Load) - reinforced construction, increased loading capacity
* - v príprave r. 2007

5. SPEED INDEX

SI	km/h	mph	SI	km/h	mph
P	150	93	U	200	124
Q	160	99	H	210	130
R	170	106	V	240	149
S	180	112	W	270	168
T	190	118	Y	300	186