



Please read this warranty statement carefully, keep it within your reach and refer to it whenever doubts arise.

WARRANTY TERM

Maggion Inds. De Pneus e Máquinas Ltda. guarantees, for a period of 5 (five) years, for tires and three (3) years for inner tubes against manufacturing defects, as of the date of the purchase invoice, provided that duly verified by a Maggion technician or by a technical representative indicated by Inmetro. In case the proof of sale is not available, the date of manufacture of the tire, verified on its DOT series (example in the technical specifications), for the purpose of counting the term of warranty.

WARRANTY

The warranty periods comprise the first 3 months of statutory warranty, plus 4 years and 9 months contractual warranty, offered by Maggion.

In the first 3 months, the tire or the inner tube, if any abnormality of manufacturing, will be replaced (a) without charge to the consumer, with the exception of tires and inner tubes for vehicles classified in the category " rental plates"(commercial use plates), because they are not considered by the Consumer Protection and Defense code as final receivers (Article 2).

After three months from the date of purchase, and when a manufacturing anomaly is found, by a Maggion technician or a technician indicated by Inmetro, a new tire of the same type and measure or similar will be delivered to the warranty holder, charging only the amount proportional to tire wear under the following conditions:

- Wear from 0 to 20%: integral replacement of the tire.
- Wear from 21 to 100%: proportional compensation (limited to 1.6 mm of groove depth - TWI wear indicator ID).

The amount will be charged on the sale price of the tire to the consumer, referring to the day of delivery in substitution, with their respective taxes.

The warranty is restricted to tires manufactured by Maggion in its tread original to the remaining design depth of 1.6 mm (TWI). For retreaded or refurbished tires, the guarantee must be given by those responsible for the respective process.

In the case of inner tubes, if a manufacturing anomaly is verified by a Maggion technician or a technician indicated by Inmetro, the replacement will be free of charge.

If you have any questions regarding our products and/or the warranty, please contact our Customer Service through the phone **08000 55 54 77** or our website **www.maggion.com.br**.

Whenever you claim a product present for examination its complements, such as: tires, inner tube (if any), wheel, valve and protector. Their absence will make it difficult to complete the examination and prepare the technical report.

WARRANTY LIMITS

The legal and contractual warranty for products manufactured by Maggion does not apply when found:

- Incorrect use of air pressure;
- Accidental malfunctions, such as: holes, penetrations, tears, housing breakage, or bubbles in the side of the tire caused by impacts;
- Misalignment of the steering or unbalance of the tire/wheel assembly;
- Mechanical irregularities in the suspension system, shock absorbers, steering and brakes of the vehicle;
- Changes to the original design of the vehicle can invalidate the warranty on the tires;
- Installation of tire sizes not equivalent to the vehicle's original size;
- Incorrect assembling and disassembling of tires on the rim;
- Use of rims that are not recommended, rusted, cracked, bent, dented or damaged in some way;
- Overload or poor load distribution;
- Improper application of the tire as to the load index and Speed required by the vehicle;
- Improper application of the tire as to its tread (design) in relation to its position in the vehicle or the type of service and soil;
- Use of the tire for the purpose of competitions, exhibitions or practices contrary to the Brazilian traffic legislation;
- Contamination by chemical products, oils, grease, solvents or any type of petroleum-derived product;
- Signs of aging (out of use for a long time);
- Repairs of any nature including the practice of "DUPLAR" by changing the design initial;
- Sudden braking, skating and plucking;
- Use of used inner tubes and protectors on new tires;
- Incorrect application of the inner tube and protector measurement in relation to the measured tire;
- Inner tube with more than 2 (two) repairs;
- Tire assembled with inverted tread in relation to that indicated on the tire;
- Tire that has wear equal to or lower than the legal technical limits (TWI, ID);
- Tire whose markings on the sides have been scraped, cut or tampered with.

CHOICE OF SUITABLE TIRE

Choosing the right tire will represent greater safety, economy and performance for your tires:

- Replace the tires with others of the same measure recommended by the manufacturer of the vehicle;
- In the case of a tire with an inner tube, it is recommended to change it when necessary;
- Check that the load index and speed are suitable for your vehicle;
- Never assemble tires of different dimensions or constructions in the same vehicle, except when indicated by the assembler of the same;
- Never mix tires with measurements, type of construction (radial or conventional), different tread design on the same axle of the vehicle.

IMPORTANT RECOMMENDATIONS

AIR PRESSURE

Air pressure is an important factor in tire life. It is what most affects wear and tear of the tire and consequently reduces its service life.

Tips:

- Always use the air pressure recommended by the vehicle manufacturer's manual;
- For trucks, buses and utilities, use load-related air pressure and Vehicle speed;
- Check the pressure weekly, always with cold tires and using measured calibrators;
- Do not forget to calibrate the steppe (when any);
- Never remove hot air from tires (bleed);
- When checking the pressure, examine the valves and replace their respective caps.

ALIGNMENT

Steering alignment can extend the service life of your tires. The misaligned vehicle causes the tire to suffer uneven wear, compromising handling, durability and vehicle safety.

It is recommended to do the alignment every 5,000 km.

Re-align, especially when:

- irregular tire wear found;
- the tires are replaced or there is a rotation between them;
- parts of the suspension are replaced.

BALANCE

The unbalance causes the tire/rim assembly to oscillate, transmitting a trepidation when driving, reducing the service life of tires and a great deal of discomfort when driving.

Balancing is recommended every 5,000 km.

Rebalance, especially when:

- Tires are replaced, assembled or disassembled. If there is rotation between them, check the need;
- Vibrations or trepidation appear;
- There is tire repair;
- For assemblies used in motorcycles that have wheels endorsed with spokes, periodically check their voltage and condition, eliminating eccentricities radial and lateral.

REPAIR

- Never Apply repairs to the sides of the tire (region from the shoulder to the bead);
- Repairs to diagonal truck and truck tires must follow the specific repairs.

SAFETY INDICATORS

So that you know the exact time to change tires, pay attention to the indicators of wear, located high on the side of the tire and marked with the symbol Δ or the letters TWI.

In the direction of the indicators pay attention to the relief marks at the base of the grooves. These marks indicate that the tire has reached the maximum wear level (1.6 mm of depth in the remaining tread groove).

Tires in these conditions must be replaced immediately, as determined by the Brazilian Traffic Code, as they compromise the safety of the vehicle.

HABITS AND CUSTOMS WHEN DRIVING

The driving manner of each driver has a great influence on wear and durability of the tires.

- Avoid holes and obstacles. Impacts and friction can cause irreversible breakdowns to the tires;
- Avoid cornering at high speed, as this forces the side drag of the tires and causes greater wear in the shoulder area;
- Avoid sudden braking or starting (only if necessary). This practice favors the uneven and accelerated tire wear.

TIRE ROTATION

Due to the characteristics of each vehicle, tires may show differentiated wear among them. To equalize wear and tear, avoiding premature replacement of one of the tires, we recommend always following the guidance of the vehicle manufacturer's manual, with regard to the mode and periodicity of the rotation.

MANDATORY TIRE REPLACEMENT

Tires should be replaced immediately if they present:

- Blisters or side cuts;
- Bead damage;
- Signs of aging materials (cracks);
- Non-repairable cuts or holes in the tread;
- When they reach the maximum level of wear (1.6 mm of depth remaining of the tread groove).

TECHNICAL INFORMATION

LOAD EQUIVALENCE *:

Equivalence between the load index and the maximum load determined for the tire.

IC	kg	IC	kg	IC	kg	IC	kg	IC	kg	IC	kg	IC	kg
0	45	23	87,5	46	170	69	325	92	630	115	1215	138	2360
1	46,2	24	90	47	175	70	335	93	650	116	1250	139	2430
2	47,5	25	92,5	48	180	71	345	94	670	117	1285	140	2500
3	48,7	26	95	49	185	72	355	95	690	118	1320	141	2575
4	50	27	97,5	50	190	73	365	96	710	119	1360	142	2650
5	51,5	28	100	51	200	74	375	97	730	120	1400	143	2725
6	53	29	103	52	200	75	387	98	750	121	1450	144	2800
7	54,5	30	106	53	206	76	400	99	775	122	1500	145	2900
8	56	31	109	54	212	77	412	100	800	123	1550	146	3000
9	58	32	112	55	218	78	425	101	825	124	1600	147	3075
10	60	33	115	56	224	79	437	102	850	125	1650	148	3150
11	61,5	34	118	57	230	80	450	103	875	126	1700	149	3250
12	63	35	121	58	236	81	462	104	900	127	1750	150	3350
13	65	36	125	59	243	82	475	105	925	128	1800	151	3450
14	67	37	125	60	250	83	487	106	950	129	1850	152	3550
15	69	38	128	61	257	84	500	107	975	130	1900	153	3650
16	71	39	132	62	265	85	515	108	1000	131	1950	154	3750
17	73	40	136	63	272	86	530	109	1030	132	2000	155	3875
18	75	41	140	64	280	87	545	110	1060	133	2060	156	4000
19	77,5	42	145	65	290	88	560	111	1090	134	2120	157	4125
20	80	43	150	66	300	89	580	112	1120	135	2180	158	4250
21	82,5	44	155	67	307	90	600	113	1150	136	2240	159	4375
22	85	45	160	68	315	91	615	114	1180	137	2300	160	4500

ALAPA (Latin American Tire and Rim Association)

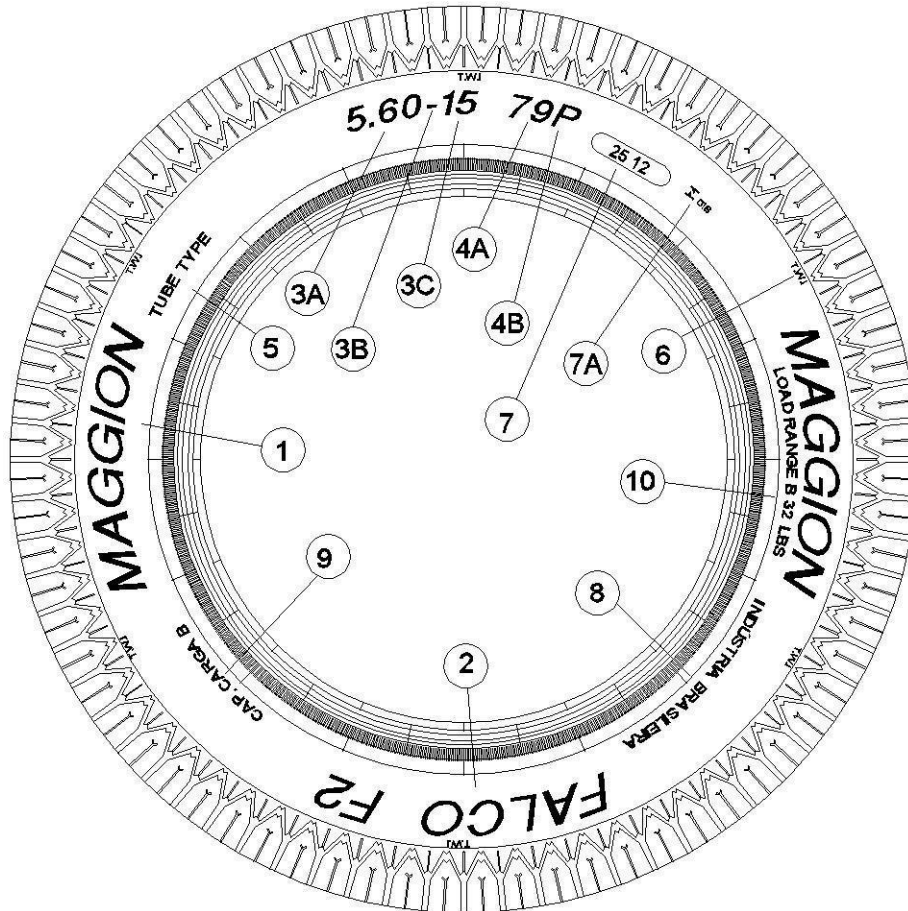
* maximum weight per tire.

SPEED EQUIVALENCE:

Equivalence between the Speed Symbol and the corresponding Maximum Speed.

SYMBOL OF SPEED	SPEED (KM/H)	SYMBOL OF SPEED	SPEED (KM/H)	SYMBOL OF SPEED	SPEED (KM/H)
B	50	K	110	S	180
C	60	L	120	T	190
D	65	M	130	U	200
E	70	N	140	H	210
F	80	O	150	V	240
G	90	Q	160	W	270
J	100	R	170	Y	300

TECHNICAL INFORMATION ON THE SIDE OF THE TIRE



ITEM	DESCRIPTION
1	Company name
2	Tire model
3	Construction features:
3 A	Indicates the nominal tire width in inches
3 B	Indicates the type of tire construction (diagonal)
3 C	Indicates the tire inner diameter (rim), in inches
4	Load index/speed code:
4 A	Tire load index (see table)
4 B	Indicates the maximum tire speed (see table)
5	Indication for use with inner tube (tube type)
6	Tire wear indicators (TWI)
7	Internal codes for tracking tire production
7 A	A INMETRO Certification Code
8	Manufacturing site
9	Tire structure data
10	Load capacity and maximum pressure

MAGGION INDÚSTRIAS DE PNEUS E MÁQUINAS LTDA.

Customer Service 08000 55 54 77

www.maggion.com.br

Certifications: ISO 9001:2015

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