



# MAGNA TYRES PREMIUM QUALITY OTR & INDUSTRIAL TYRES



**GET ALL THE BENEFITS  
OF MAGNA RADIAL  
TYRE TECHNOLOGY**





# MAGNA TYRES PREMIUM QUALITY

All over the world, customers of all types of machines have the same ongoing interests:

**TO INCREASE THEIR  
PRODUCTIVITY AND TO  
REDUCE OPERATING COSTS.**

Premium Quality Magna Tyres offer the optimal combination of tyre performance and purchase price, leading to a low cost price per hour/kilometre and a highly efficient operation.

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- Mining & Earthmover
- Construction
- Crane
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# MAGNA TYRES GROUP

In only one decade Magna Tyres Group evolved from a specialist rubber compound producer to a leading tyre manufacturer with 13 sales offices worldwide and tyres running in more than 130 countries across the world.

With the headquarters based in the southern part of the Netherlands, Magna Tyres Group manufactures and distributes an extensive range (E2/L2 up to E4 and L5) of radial, bias and solid tyres for Mining & Earthmover, Industrial, Agricultural, Port Handling and Truck applications.

## VISION

To be a global OTR tyre leader in Mining and Construction, Waste and Recycling, material handling, Port handling and Agriculture.

## MISSION

Our goal is to deliver premium quality products that deliver the lowest total cost of ownership / cost price per hour.

## OUR OFFICES



# OUR SUCCESS

Premium quality compound

Partnerships with leading distributors, oem and suppliers

Product of Holland



Customer focussed

# MAGNA TECHNOLOGY

- ✓ Improved traction through specialized tread design
- ✓ Heavy duty sidewalls guarantee excellent resistance to damage and impacts
- ✓ High-tech casing reduces heat buildup inside the tyre
- ✓ Enhanced Tyre performance due to premium Magna rubber compound



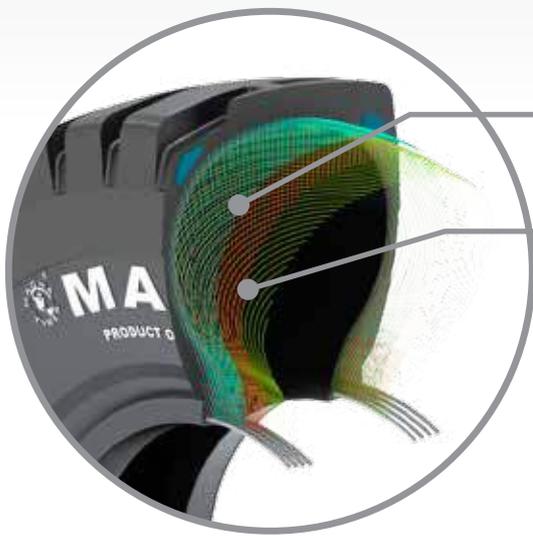
**GET ALL THE BENEFITS OF MAGNA TYRE TECHNOLOGY**

# BIAS VS. RADIAL TYRES

## BIAS OR DIAGONAL PLY CONSTRUCTION

The crown and sidewalls are formed by the same ply structure. The tread is affected by flexing of the sidewalls, resulting in:

- Deformation of the tyre contact area on the ground
- Movement in the tread contact area
- The casing plies tend to “scissor” in relation to each other

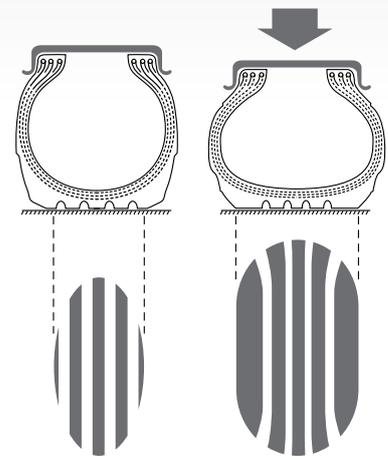


The casing is made up of several criss-crossed plies.

The crown is not stabilized.

### Disadvantages

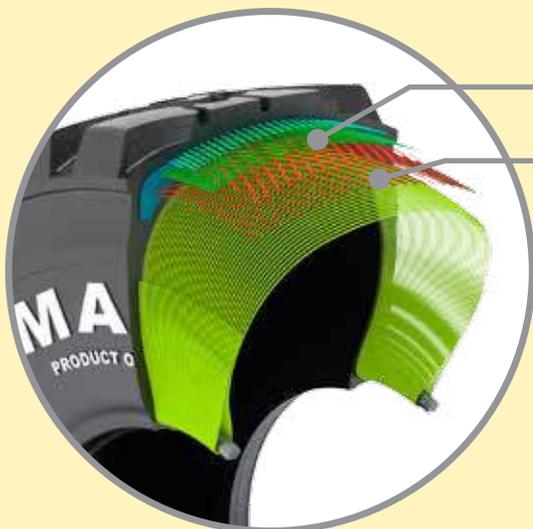
- accelerated wear
- less grip
- increased fuel consumption



## ALL STEEL RADIAL CONSTRUCTION - MULTIFUNCTIONAL

The sidewall and tread function separately. The tread is unaffected by the flexing of the sidewalls, so there is:

- less deformation of the tyre contact area on the ground
- less movement in tread contact area
- no movement between casing plies.

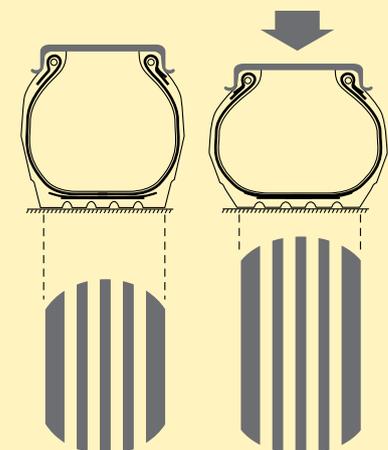


The casing has only one radial ply.

The crown is stabilized by several plies.

### Advantages

- long tyre life
- better traction on all types of surface
- lower fuel consumption due to lower rolling resistance
- improved comfort
- increased resistance to punctures / flats
- increased resistance to heating



# PRODUCT DEVELOPMENT AND R&D

Product development by our R&D department is constantly at the top of our priorities, by:

**1) continuously improving our existing tyre range.**

**2) continuously converting customer demand into new successful tyres.**

By using European technology and a premium quality compound our team is always able to come up with the right solutions for our customers demand, and enabled us to become the fastest growing OTR company worldwide.

## PRODUCT DEVELOPMENT

Every **(1) product improvement** or **(2) new product** starts with an idea on which our R&D department develops an architecture and design. This design is tested and prepared for release management. In this phase everyone who works with Magna products is informed, and is provided with product information, marketing and training. Afterwards the product is released and we start to collect data by testing and requesting feedback from end-users. This is a continuous process as we are continuously improving our tyrerange to guarantee the premium quality Magna customers expect.



## INNOVATION

*"Innovation for the benefit of our clients has been the driving force behind our success. It enabled us to become the fastest growing OTR company in the world. Our European technology, premium quality compounds and innovative new tread designs satisfy the needs of our customers. Continual innovation and a flexible approach to achieving the best client-specific solutions satisfy the real needs of our customers and makes us stand out against our competitors, especially in reducing total cost of ownership and cost price per hour."*

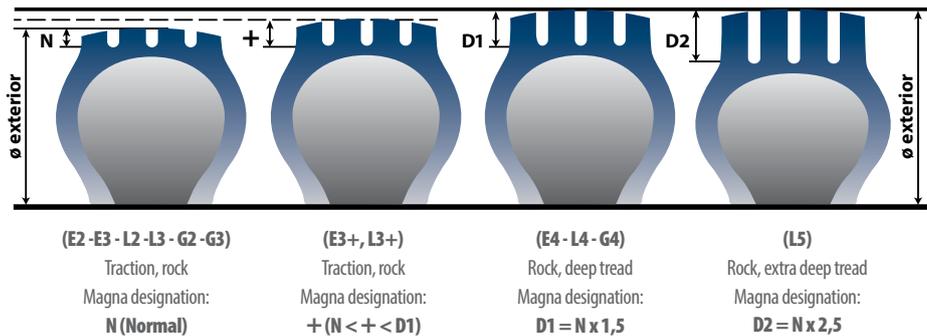
# TYRE MARKING



- ① Manufacturer: Magna Tyres
- ② Tread pattern: MA02
- ③ Tyre size: 26.5
- ④ Radial construction: R
- ⑤ Wheel diameter (in inches): 25
- ⑥ Tra code: E3+

## DIFFERENT TREAD DEPTHS

There are 4 earthmover tyre families characterized by their different tread depths (or tread height) and which are chosen as a function of their use and the surface conditions.



## STANDARDIZED USAGE (ISO-ETRTO-TRA-JATMA\*)

The four main categories of earthmover tyres are defined by their user. The category to which it belongs is indicated on the sidewall of the tyre. This is an international classification:

- C** Compactor
- E** Earthmoving
- G** Grader
- L** Loader & bulldozer

Within these categories, there are different tread depths and special tread patterns, for very specific uses. These are identified by a number. They must be chosen according to the type of ground and the tyre's condition of use.

The letter "S" indicates a smooth tread; example: L5S.

- 1 Ribbed (normal tread depth)
- 2 Traction (normal tread depth)
- 3 Normal (normal tread depth)
- 4 Deep (deep tread)
- 5 Very deep (very deep tread)
- 7 Flotation (normal tread)

\* ISO International Standard Organisation  
 ETRTO European Tyre and Rim Technical Organisation  
 TRA Tire and Rim Association  
 JATMA Japan Automobile Tyre Manufacturers Association

Code	Tread pattern	Application
C1	SMOOTH	Compactor
E1	RIBBED	Transport
E2	TRACTION	
E3	ROCK	
E4	ROCK (deep tread)	
E7	FLOTATION	
G1	RIBBED	Grader
G2	TRACTION	
G3	ROCK	
G4	ROCK (deep tread)	
G5	ROCK (very-deep tread)	
L2	TRACTION	Loader Bulldozer
L3	ROCK	
L4	ROCK (deep tread)	
L5	ROCK (very-deep tread)	
L3S	SMOOTH	
L4S	SMOOTH (deep tread)	
L5S	SMOOTH (very-deep tread)	

# TECHNICAL INFORMATION

## SPEED SYMBOL

Symbol	A2	A6	A8	B	C	D	E	F	G	J	K	L	M
Speed (km/h)	10	30	40	50	60	65	70	80	90	100	110	120	130
Speed (mph)	6	20	25	30	35	40	45	50	55	60	67	73	80

Examples: 23.5R25 MA02 TL 185 B: This tyre is able to carry 9.250kg at a maximum speed of 50km/h (20.390lb at 30mph).

## LOAD INDEX (LI) AND MAXIMUM LOAD (KG)

LI	Maximum load		LI	Maximum load		LI	Maximum load		LI	Maximum load		LI	Maximum load	
	kg	lb		kg	lb		kg	lb		kg	lb		kg	lb
115	1.215	2.678	146	3.000	6.610	177	7.300	16.090	208	18.000	39.690	239	43.750	96.470
116	1.250	2.755	147	3.075	6.780	178	7.500	16.530	209	18.500	40.790	240	45.000	99.210
117	1.285	2.832	148	3.150	6.950	179	7.750	17.090	210	19.000	41.890	241	46.250	101.960
118	1.320	2.910	149	3.250	7.170	180	8.000	17.640	211	19.500	43.000	242	47.500	104.720
119	1.360	2.998	150	3.350	7.390	181	8.250	18.190	212	20.000	44.100	243	48.750	107.470
120	1.400	3.090	151	3.450	7.610	182	8.500	18.740	213	20.600	45.420	244	50.000	110.250
121	1.450	3.200	152	3.550	7.830	183	8.750	19.290	214	21.200	46.750	245	51.500	113.540
122	1.500	3.310	153	3.650	8.050	184	9.000	19.840	215	21.800	48.070	246	53.000	117.950
123	1.550	3.420	154	3.750	8.270	185	9.250	20.390	216	22.400	49.390	247	54.500	120.150
124	1.600	3.530	155	3.875	8.540	186	9.500	20.940	217	23.000	50.700	248	56.000	123.480
125	1.650	3.640	156	4.000	8.820	187	9.750	21.500	218	23.600	52.040	249	58.000	127.890
126	1.700	3.750	157	4.125	9.090	188	10.000	22.050	219	24.300	53.580	250	60.000	132.300
127	1.750	3.860	158	4.250	9.370	189	10.300	22.710	220	25.000	55.120	251	61.500	135.580
128	1.800	3.970	159	4.375	9.650	190	10.600	23.370	221	25.750	56.780	252	63.000	138.890
129	1.850	4.080	160	4.500	9.920	191	10.900	24.030	222	26.500	58.430	253	65.000	143.300
130	1.900	4.190	161	4.625	10.200	192	11.200	24.690	223	27.250	60.070	254	67.000	147.710
131	1.950	4.300	162	4.750	10.470	193	11.500	25.360	224	28.000	61.740	255	69.000	152.120
132	2.000	4.410	163	4.875	10.750	194	11.800	26.020	225	29.000	63.940	256	71.000	156.530
133	2.060	4.540	164	5.000	11.020	195	12.150	26.790	226	30.000	66.150	257	73.000	160.930
134	2.120	4.670	165	5.150	11.350	196	12.500	27.560	227	30.750	67.790	258	75.000	165.340
135	2.180	4.810	166	5.300	11.690	197	12.850	28.330	228	31.500	69.460	259	77.500	170.660
136	2.240	4.940	167	5.450	12.020	198	13.200	29.100	229	32.500	71.660	260	80.000	176.400
137	2.300	5.070	168	5.600	12.350	199	13.600	29.990	230	33.500	73.870	261	82.500	181.880
138	2.360	5.200	169	5.800	12.790	200	14.000	30.870	231	34.500	76.070	262	85.000	187.390
139	2.430	5.360	170	6.000	13.230	201	14.500	31.970	232	35.500	78.280	263	87.500	192.900
140	2.500	5.510	171	6.150	13.560	202	15.000	33.070	233	36.500	80.480	264	90.000	198.450
141	2.575	5.680	172	6.300	13.890	203	15.500	34.180	234	37.500	82.690	265	92.500	203.920
142	2.650	5.840	173	6.500	14.330	204	16.000	35.280	235	38.750	85.430	266	95.000	209.440
143	2.725	6.010	174	6.700	14.770	205	16.500	36.380	236	40.000	88.200	267	97.500	214.950
144	2.800	6.170	175	6.900	15.210	206	17.000	37.480	237	41.250	90.940	268	100.000	220.500
145	2.900	6.390	176	7.100	15.650	207	17.500	38.590	238	42.500	93.710	269	103.000	227.370

This is a measurement of the strength of the Radial Casing Ply vs. Bias Ply Tyres.

Sizes and marking	Work machines	Transport machines	Sizes and marking	Work machines	Transport machines	Sizes and marking	Work machines	Transport machines
7.50 R 15	12		17.5 R 25 *	16		33.25 R 29 **		44
8.25 R 15	12		17.5 R 25 **	20	24	18.00 R 33 **		40
18 R 19.5 *	16		18.00 R 25 *	24		33.5 R 33 **		44
10.00 R 20	16		18.00 R 25 **		36	35/65 R 33 *	36	
C20 Pii (11/80 R 20)	16		20.5 R 25 *	24		37.5 R 33 **		48
E20 (13./80 R 20)			20.5 R 25 **		28	21.00 R 35 **		44
15 R 22.5 *	16		21.00 R 25 **		40	24.00 R 35 **		48
18 R 22.5 *	16		23.5 R 25 *	28		29.5 R 35 **		40
12.00 R 24 ***	24	24	23.5 R 25 **		32	33.25 R 35 **		44
13.00 R 24 TG *	14		25/65 R 25 **		32	37.25 R 35 **		48
14.00 R 24 TG *	16		26.5 R 25 *	32		37.5 R 39 **		52
14.00 R 24	24		26.5 R 25 **		32	40/65 R 39 *	42	
14.00 R 24 ***	28	32	29.5 R 25 *	34		40.5/75 R 39 **		54
15.00 R 24 (17/80 R 24)	28		29.5 R 25 **		34	45/65 R 39 * (1)		
16.00 R 24 TG *	16	16	555/70 R 25 * L2F	16		45/65 R 45 *	50	
16.00 R 24 **		36	555/70 R 25 * L3T or L4T	24		24.00 R 49 **		48
555/70 R 24 TG *	16		625/70 R 25 *	28		27.00 R 49 **		54
20 R 24 TG *	16		705/70 R 25 *	32		30.00 R 51 **		64
13.00 R 25 ***		28	750/65 R 25 *	34		33.00 R 51 **		68
14.00 R 25 ***		32	26.5 R 29 **		34	36.00 R 51 **		74
15.5 R 25 *	16		29.5 R 29 *	34		37.00 R 57 ** (1)		
15.5 R 25 **	20		29.5 R 29 **		40	40.00 R 57 **		78
16.00 R 25 **		36	30/65 R 29 *	28		55/80 R 57 * (1)	80	

## CLASSIFICATION ACCORDING TO ASPECT RATIO

The wide diversity of earthmover machines and their uses requires the development of numerous ranges of tyres. Earthmover tyres differ from those mounted on cars or commercial vehicles by:

- Their size and weight
- Their tread depths are proportionally greater
- More reinforcements to deal with the harsher conditions of use

There are several families of earthmover tyres, characterized by their aspect ratio H/S (ratio between the height of the sidewall H and the section width of the tyre S).

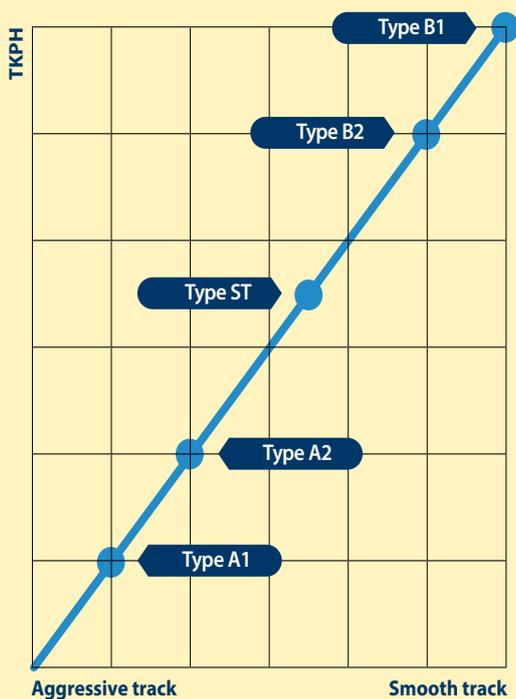
100 series (standard)	90 series (standard)	80 series (standard)	70 series (standard)	65 series (standard)
The H/S ratio is approximately 1	The H/S ratio is approximately 0.90	The H/S ratio is approximately 0.80	The H/S ratio is approximately 0.70	The H/S ratio is approximately 0.65
The section width is expressed as a whole number of inches. Examples: 5.00R8, 18.00R33 Tyres for rigid trucks, handling equipment, etc.	The section width is expressed as a whole number of inches followed by the number 90. Example: 50/90 R57 Tyres for rigid trucks	The section width is expressed in: • Inches and fractions of inches Examples: 8.25R15, 20.5R25 • Whole number of inches, followed by the number 80 Examples: 59/80 R63 Tyres for rigid trucks, articulated dumpers, loaders, handling equipment, etc.	The section width is expressed as a whole number of inches or a whole number of millimeters, followed by the number 70. Example: 420/70R28	The section width is expressed as a whole number of inches or a whole number of millimeters, followed by the number 65. Examples: 35/65 R33, 750/65 R25 Tyres for large loaders, articulated trucks, etc.

# COMPOUND & TKPH

<b>TYPE A1</b>	Particularly resistant to cuts, tread tearing and abrasion on very rough surfaces.	<b>TKPH minimum</b>
<b>TYPE A2</b>	Particularly resistant to cuts, tread tearing and abrasion at average speeds which are higher than those for A+ (above).	<b>low TKPH</b>
<b>TYPE ST</b>	Compromise solution between abrasion resistance and average speed on rough surfaces.	<b>average TKPH</b>
<b>TYPE B2</b>	Adapted to running on long cycles at high speeds on well-maintained roads.	<b>high TKPH</b>
<b>TYPE B1</b>	Very high resistance to high average speeds on long cycles run on well-maintained roads.	<b>very high TKPH</b>

## EXAMPLE

Tyre size	Pattern	Load symbol	Tra code	Max. speed (km/h)	Load/speed index	Single max. load/pressure	Rim	OD (mm)	SW (mm)	TD (mm)	Tyre weight (kg)	TKPH				
												A1	A2	ST	B2	B1
27.00R49	MA04+	**	E4	50	223B	27250 kg / 6.5 bar	19.50/4.0	2690	740	82	1600	392	465	500	535	625



## TYRES TKPH

The TKPH (Ton Kilometre Per Hour) or TMPH (Ton Mile Per Hour) is an essential expression of the working capacity of a tyre, depending of a maximum operating temperature allowable.

A tyre's TKPH (TMPH) depends on its design and varies according to size and type.

TKPH (TMPH) values are given along with other Magna tyre characteristics. It is a function of load of each tyre and the number of kilometres (miles) covered per hour by each type of tyre, and are given at an ambient temperature of 38° C (100° F).

For the same size and same pattern, there may be several types of tread compound, each associated with a different TKPH.

# LEADING CAUSES OF TYRE DAMAGE

Tyre damage is often caused by simple, easily avoidable user errors. Maintaining the **right inflation pressure (1)**, with the appropriate **heat build-up (2)** within the tyre is the most important step to a prolonged tyre life. Of course regular **vehicle maintenance (3)** and selecting the right tyre for the **appropriate application (4)** is also necessary to ensure low costs per kilometer.

## 1. INFLATION PRESSURE

The weight of the load is carried by the air within the tyre, not the tyre itself. Maintaining the correct inflation pressure is absolutely necessary to guarantee the tyre's performance. Pressure should always be set to, and maintained at the maximum load- / -pressure specification.

### COMMON MISTAKES

- Under inflation causes excessive deflection in the tyre, increasing the heat level and leading to premature tyre failure.
- Over inflation restricts the natural deflection of the tyre, leading to premature tyre failure.

### SOLUTIONS

- Check the appropriate maximum load- / -pressure ratio of a tyre and then calculate the best combination for your use. A lower inflation pressure limits load capacity.
- Pressure should be checked at regular intervals.
- Underinflation and over inflation should be avoided.



## 2. HEAT BUILD UP

Heat is the tyre's worst enemy and is caused by several factors. As a tyre rotates under the weight of a vehicle and its load, it repeatedly deforms and recovers, which generates lots of energy. When this energy is released, heat builds up, making it more susceptible to wear, cuts and structural fatigue, which results in reduced tyre lifetime. The amount of heat build-up is determined by several factors including:

- Under-inflation
- Overloading
- High speeds
- Harsh breaking
- Aggressive cornering
- Poorly designed or badly maintained roads
- Working outside tyre specs
- Seasonal influences

### COMMON MISTAKES (HEAT BUILD UP)

- Under-inflation and Over-inflation
- Exceeding the load capacity of a tyre
- Driving at a higher speed than the designated load / speed capacity
- Non-professional driving style, with harsh breaking and aggressive cornering
- Neglected road maintenance or poor road design
- Not taking into consideration seasonal effects

### SOLUTION (HEAT BUILD UP)

- Underinflation and over-inflation should be avoided
- Ensure the vehicle carries no more than the appropriate load capacity and drives at the corresponding speed
- Gradients in the road shouldn't exceed 5%-6% and should be maintained regularly
- Maintain a professional driving style to ensure a prolonged tyre life



## 3. VEHICLE MAINTENANCE

Finally, vehicle maintenance is another important factor for an efficient use. The machine's performance can cause severe damage to its tyres. Neglecting regular vehicle maintenance can severely reduce tyre life and increase its running cost.

### COMMON MISTAKES

- Misalignment causing tread separation, increased and- / -or irregular tread wear, tyre vibration
- Broken suspension, increased and- / -or irregular tread wear
- Fuel and oil leaks damage to the rubber compound which shortens tyre life

### SOLUTIONS

- Always ensure regular vehicle maintenance



## 4. SELECTING THE RIGHT TYRE

Selecting the right tread pattern will extend the tyre life significantly. Your Magna Tyres representative can assist you by making this selection.

**TREAD PATTERN** – The tread pattern is designed to produce varying degrees of traction, cut, flotation, wear and heat resistance.

**TYRE CONSTRUCTION** – Radial – Bias – Solid construction offer various advantages and disadvantages according you specific applications.

**COMPOUND & TKPH** – Compound and TKPH determines tyre life can affect the lifespan of a tyre.

**LOAD- SPEED INDEX** – operate at the proper loading capacity.





# QUALITY MANAGEMENT AND CONTROL

Quality Management and control processes are extensively documented in order to continuously improve our products.

## QUALITY MANAGEMENT

To achieve the desired premium quality we maintain a 6-step quality management approach.

1. First we identify the requirements.
2. We design and develop a tyre which meets the requirements as defined in step 1.
3. The design gets validated by product development, R&D department and directors and we start working towards product launch.
4. Production starts.
5. The Tyre performance is constantly monitored by on site tests and collection of customer feedback.
6. This cycle is constantly repeated since we continuously want to improve.



## CONTINUOUS IMPROVEMENT

In order to continuously improve our tyre range we implemented a Quality Control process.

1. First a quality improvement should be created, this can be done by either the sales department, R&D department or one of the directors. Customers are able to provide their input through their personal contactperson.
2. A Quality "order" is created containing all the information required to evaluate the performance
3. Our existing performance database is consulted
4. Non-conformances are quickly detected
5. Correlation of the non-conformance and improvement are investigated
6. If the improvement is accepted in the previous step, it gets documented and transferred to the stakeholders
7. Correction Handling is being carried out





# INDUSTRIAL SOLID TYRES

Magna industrial solid tyres are stable, puncture resistant and maintenance-free with a high loading capacity.



# MAGNA INDUSTRIAL SOLID TYRES



- ✓ Highly reliable tyre with a long service life
- ✓ Superior traction
- ✓ Maximized protection against cuts and damage
- ✓ Optimized loading capacity
- ✓ Low cost price per hour

## INDUSTRIAL SOLID TYRE RANGE

					
<b>MA601</b>	<b>MA600</b>	<b>MA902</b>	<b>MA608</b>	<b>MA801</b>	<b>MA805</b>
13.00-24 14.00-24 16.00-25 17.5-25 20.5-25	23.5-25 26.5-25 29.5-25 35/65-33	20.5-25 23.5-25 26.5-25	10.00-20 12.00-20 12.00-24 14.00-24	5.70-12 23X8.5-12 30X10-16 33X12-16 33X12-20	18.00-25 13.00-24 14.00-24
PAGE 60	PAGE 61	PAGE 62	PAGE 63	PAGE 64	PAGE 65

**Magna Industrial Solid tyres are specially designed for use in scrap yards, slag steel mills, glass works, dumping sites, waste sites and loading fields.**

## MAGNA MA601

The Magna MA601 is designed for application in scrap yards, slag steel mills, glass works, dumping sites, waste sites and loading fields.

Magna Super Solid tyres are of superior quality designed for the toughest applications on industrial vehicles with a risk of impact and damage.



These Super Solid tyres are stable, puncture resistant and maintenance-free.



High loading capacity for forklift trucks and other industrial applications.



New improved technology of the high-tech casing reduces heat build up inside the tyre.



Tyre size	Pattern	Load capacity (kg)				O.D. (mm)	S.W. (mm)	Tread depth (mm)	Rim	Tyre weight (kg)
		Steering wheel (kgs)	Load wheel kg @ 6 km/h	Load wheel kg @ 10 km/h	Load wheel kg @ 25 km/h					
13.00-24	MA601	6800	8200	7480	6800	1250	320	72	8.5	310
14.00-24	MA601	8000	9600	8800	8000	1320	340	72	10.0	377
16.00-25	MA601	9000	10800	9900	9000	1500	410	95	11.25	600
17.5-25	MA601	8500	9680	9350	8500	1340	440	140	14.00	510
20.5-25	MA601	9600	11600	10560	9600	1480	520	160	17.00	765
23.5-25	MA601	12000	14400	13200	12000	1610	590	180	19.50	1042
26.5-25	MA601	14500	17550	15950	14500	1720	650	200	22.00	1345
29.5-25	MA601	18500	22000	19980	18500	1870	740	200	25.0	1855
35/65-33	MA601	24000	28550	25950	24000	2030	850	197	28.0	2360



**MAGNA  
SUPER SOLID  
TYRES**

# INDUSTRIAL

## MAGNA MA600

The MA600 is designed for application in scrap yards, slag steel mills, glass works, dumping sites, waste sites and loading fields.

Magna Super Solid tyres are of superior quality designed for the toughest applications on industrial vehicles with a risk of impact and damage.



These Super Solid tyres are stable, puncture resistant and maintenance-free.



High loading capacity for forklift trucks and other industrial applications.



New improved technology of the high-tech casing reduces heat build up inside the tyre.



Tyre size	Pattern	Load capacity (kg)			O.D. (mm)	S.W. (mm)	Tread depth (mm)	Rim	Tyre weight (kg)	
		Steering wheel (kgs)	Load wheel kg @6 km/h	Load wheel kg @10 km/h						Load wheel kg @25 km/h
16.00-25	MA600	13490	19400	16860	13480	1446	390	72	11.25	600
18.00-25	MA600	16960	28000	22120	19200	1607	482	90	13	880
17.5-25	MA600	14200	23000	17750	16010	1356	458	90	14	580
20.5-25	MA600	15480	24300	19980	16870	1524	520	105	17	792
23.5-25	MA600	24780	40000	30960	27740	1619	585	105	19.5	1092
26.5-25	MA600	31400	51000	39300	35400	1736	657	105	22	1420

## MAGNA MA902

The MA902 is designed for application in scrap yards, slag steel mills, glass works, dumping sites, waste sites and loading fields.

Magna Super Solid tyres are of superior quality designed for the toughest applications on industrial vehicles with a risk of impact and damage.



These Super Solid tyres are stable, puncture resistant and maintenance-free



High loading capacity for forklift trucks and other industrial applications.



New improved technology of the high-tech casing reduces heat build up inside the tyre.



Tyre size	Pattern	Load capacity (kg) @25 km/h	O.D. (mm)	S.W. (mm)	Rim	Tyre weight (kg)
20.5-25	MA902	10500	1500	510	17.00	795
23.5-25	MA902	11500	1620	590	19.50	1085
26.5-25	MA902	16000	1720	650	22.00	1380



**MAGNA  
SUPER SOLID  
TYRES**

# INDUSTRIAL

## MAGNA MA608

The Magna MA608 Super Solid Twin Wheels are especially designed for excavators.

The solid base of the tyres ensures optimal puncture resistance. The large contact area reduces tyre stress and uneven wear for maximum durability.



Excellent machine stability and maximum safety due to high stiffness and low vertical deflection of the solid tyres.



3 stage technology of premium quality rubber tread + cushion + FRRC base reinforced by steel cords.



Innovative tread design for maximum traction in every condition.



Tyre size	Pattern	Static	Load capacity (kg/tyre)			O.D. (mm)	S.W. (mm)	Rim	Tyre weight single (kg)	Total weight of twin wheel set (kg)
			6 km/h	10 km/h	25 km/h					
10.00-20	MA608	7500	6000	5450	5000	1073	252	7.00/7.50	155	477
12.00-20	MA608	9150	7560	6870	6300	1146	290	8.00/8.50	200	569
12.00-24	MA608	9675	8040	7300	6700	1247	309	8.50	298	801
14.00-24	MA608	13800	11100	10080	9250	1320	340	10.00	393	1041

## MAGNA MA801

Designed for skidsteer loaders in heavy duty applications such as waste & recycling.

Highly reliable tyre with a self cleaning tread pattern and a long tread life.



Excellent machine stability and maximum safety due to high stiffness and low vertical deflection of the solid tyres.



Traction pattern for excellent traction.



New improved technology of the high-tech casing reduces heat build up inside the tyre.



Tyre size	Pattern	Load capacity (kg) @ 25 km/h	O.D. (mm)	S.W. (mm)	Rim	Tyre weight (kg)
5.70-12	MA801	1300	570	146	4.00	26
23x8.5-12	MA801	1700	580	190	5.00	34
30x10-16	MA801	2200	760	240	6.0	69
33x12-16	MA801	3200	820	286	8.0	100
33x12-20	MA801	3000	830	285	8.0	85
36.5x14-20	MA801	4000	920	350	11.0	149
13.00-24	MA801	6800	1270	320	8.5	288
14.00-24	MA801	8000	1340	340	8.5/10.00	370



**MAGNA  
SUPER SOLID  
TYRES**

# INDUSTRIAL

## MAGNA MA805

The Magna MA805 is specially designed for application in scrap yards, slag steel mills, glass works, dumping sites, waste sites and loading fields.

Magna Super Solid tyres are designed for the toughest applications on industrial vehicles with a risk of impact and damage.



These Super Solid tyres are stable, puncture resistant and maintenance-free.



High loading capacity for forklift trucks and other industrial applications.



New improved technology of the high-tech casing reduces heat build up inside the tyre.



Tyre size	Pattern	Load capacity (kg)				O.D. (mm)	S.W. (mm)	Rim	Tyre weight (kg)
		Static	@6 km/h	@10 km/h	@25 km/h				
18.00-25	MA805	21780	18150	16500	15000	1615	490	13.00	885



# AGRICULTURE TYRES

premium quality tyres  
especially designed  
for soil protection and  
increased ride comfort.



# MAGNA AGRICULTURE TYRES



- ✓ Highly reliable tyre with a long service life
- ✓ Superior traction
- ✓ Maximized protection against cuts and damage
- ✓ Optimized loading capacity
- ✓ Low cost price per hour

## TYRES FOR AGRICULTURE

24R20.5  **AG23** PAGE 68

24R20.5  **AG24** PAGE 69

280/85R24 (11.2R24) 420/85R30 (16.9R30)  
 340/85R24 (13.6R24) 420/85R34 (16.9R34)  
 380/85R24 (14.9R24) 420/85R38 (16.9R38)  
 320/85R28 (12.4R28) 520/85R38 (20.8R38)  
 420/85R28 (16.9R28)  **AG01  
85-SERIES** PAGE 70

380/70R24 520/70R38  
 420/70R24 580/70R38  
 420/70R28 710/70R38  
 480/70R28  **AG01  
70-SERIES** PAGE 71

540/65R24 540/65R38  
 480/65R28 600/65R34  
 540/65R28 600/65R38  
 540/65R30 650/65R38  
 540/65R34  **AG01  
65-SERIES** PAGE 71

## MAGNA AG23

Magna AG23 is a flotation tyre specially designed for agri trucks and trailers.

Special tread design optimized for agriculture and transport purposes.



Improved performance under severe conditions.



Outstanding number of operating hours due to premium rubber compound.



Radial construction offers optimized load performance, low rolling resistance and operator comfort.



Tyre size	Pat-tern	TT/TL	Tra Code	Max. speed (km/h)	Load/Speed Index	Single max load (kg)			Pressure (bar)	Overall diameter (mm)	Section width (mm)	Tread depth (mm)	Rim	Tyre Weight (kg)
						10 km/h	65 km/h	80 km/h						
24R20.5	AG23	TL	E7	80	176F	12750	7950	7100	5.9	1380	630	17	18.00	192





# AGRICULTURE

## MAGNA AG24

Magna AG24 is a flotation tyre specially designed for agri trucks and trailers.

An extraordinary number of operating hours and best self-cleaning properties.



Long, robust and 24 mm high cleats in the centre, supported by the premium rubber compound, ensure highest wear resistance.



Transversely positioned and rounded cleats in the shoulder optimize the self-cleaning and improve rolling under severe conditions.



Radial construction offers optimized load performance, low rolling resistance and operator comfort.



Tyre size	Pat-tern	TT/TL	Tra Code	Max. speed (km/h)	Load/Speed Index	Single max load (kg)			Pressure (bar)	Overall diameter (mm)	Section width (mm)	Tread depth (mm)	Rim	Tyre Weight (kg)
						10 km/h	50 km/h	65 km/h						
24R20.5	AG24	TL	E7	65	178D	12750	7950	7500	5.9	1395	630	24	18.00	193



## MAGNA AG01 85-SERIES

Flexible casing provides soil protection and increased ride comfort for the driver.

Wide lugs improve service life and also enhances stability and manoeuvrability on both soft and muddy surfaces.



Tread designed to offer superior traction, self-cleaning and reduced fuel consumption.



Wider footprint by high flexing casing improving soil and crop protection.



Radial construction offers optimized load performance, driveability and operator comfort.



Tyre size	Pattern	Max. speed (km/h)	Load/ Speed Index	Single max load/ pressure	Overall diameter (mm)	Section width (mm)	Tread depth (mm)	Rim	Tyre Weight
280/85R24 (11.2R24)	AG01	40	115A8	1215 kg/ 1.6 bar	1086	282	41	W10	46
		50	112B	1120 kg/1.6 bar					
340/85R24 (13.6R24)	AG01	40	125A8	1650 kg/1.6 bar	1190	345	44	W12	65
		50	122B	1500 kg/1.6 bar					
380/85R24 (14.9R24)	AG01	40	131A8	1950 kg/ 1.6 bar	1258	388	46	W13	80
		50	128B	1800 kg/1.6 bar					
320/85R28 (12.4R28)	AG01	40	124A8	1600 kg/ 1.6 bar	1255	319	42	W11	65
		50	121B	1450 kg/1.6 bar					
420/85R28 (16.9R28)	AG01	40	139A8	2430 kg/1.6 bar	1443	438	48	W15L	102
		50	136B	2240 kg/1.6 bar					
420/85R30 (16.9R30)	AG01	40	140A8	2500 kg/1.6 bar	1480	435	48	W15L	111
		50	137B	2300 kg/1.6 bar					
420/85R34 (16.9R34)	AG01	40	142A8	2650 kg/1.6 bar	1575	430	48	W15L	118
		50	139B	2430 kg/1.6 bar					
420/85R38 (16.9R38)	AG01	40	144A8	2800 kg/1.6 bar	1679	418	46	W14L	128
		50	141B	2575 kg/1.6 bar					
520/85R38 (20.8R38)	AG01	40	155A8	3875 kg/1.6 bar	1841	527	50	W18L	185
		50	152B	3550 kg/1.6 bar					

# AGRICULTURE

## MAGNA AG01 70/65-SERIES

Flexible casing provides soil protection and increased ride comfort for the driver.

Wide lugs improve service life and also enhances stability and manoeuvrability on both soft and muddy surfaces.



Tread designed to offer superior traction, self-cleaning and reduced fuel consumption.



Wider footprint by high flexing casing improving soil and crop protection.



Radial construction offers optimized load performance, driveability and operator comfort.



Tyre size	Pattern	Max. speed (km/h)	Load/Speed Index	Single max load/pressure	Overall diameter (mm)	Section width (mm)	Tread depth (mm)	Rim	Tyre Weight
380/70R24	AG01 70-Series	40	125A8	1650 kg/1.6 bar	1190	380	46	W12	69
		50	123B	1550 kg/1.6 bar					
420/70R24	AG01 70-Series	40	130A8	1900 kg/1.6 bar	1248	418	48	W13	83
		50	127B	1750 kg/1.6 bar					
420/70R28	AG01 70-Series	40	133A8	2060 kg/1.6 bar	1349	418	47	W13	97
		50	130B	1900 kg/1.6 bar					
480/70R28	AG01 70-Series	40	140A8	2500 kg/1.6 bar	1421	479	49	W15L	117
		50	137B	2300 kg/1.6 bar				DW15L	
520/70R38	AG01 70-Series	40	150A8	3350 kg/1.6bar	1749	516	51	W16L	172
		50	147B	3075 kg/1.6 bar				DW16L	
580/70R38	AG01 70-Series	40	155A8	3875 kg/1.6 bar	1827	577	50	W18L	189
		50	152B	3550 kg/1.6 bar				DW18L	
540/65R24	AG01 65-Series	40	140A6	2500 kg/1.6 bar	1312	550	48	W18L	110
		50	137B	2300 kg/1.6 bar				DW18L	
480/65R28	AG01 65-Series	40	136A8	2240 kg/1.6 bar	1335	479	48	W15L	101
		50	133B	2060 kg/1.6 bar				DW15L	
540/65R28	AG01 65-Series	40	142A8	2650 kg/1.6 bar	1413	550	51	W18L	133
		50	139B	2430 kg/1.6 bar				DW18L	
540/65R30	AG01 65-Series	40	143A8	2725 kg/1.6 bar	1464	550	51	W18L	142
		50	140B	2500 kg/1.6 bar				DW18L	
540/65R34	AG01 65-Series	40	145A8	2900 kg/1.6 bar	1566	550	48	W18L	140
		50	142B	2650 kg/1.6 bar				DW18L	
540/65R38	AG01 65-Series	40	147A8	3075 kg/1.6 bar	1667	550	48	W18L	155
		50	144B	2800 kg/1.6 bar				DW18L	



# MAGNA TYRES WORLDWIDE



## MAGNA TYRES GROUP

Magna Tyres Group is a manufacturer of Off-The-Road (OTR), Industrial, Port Handling and Truck Tyres. The products of Magna Tyres are already running in more than 130 countries all over the world and the global presence of the brand continues to grow every year.

### MAGNA TYRES BENELUX & HQ

Elzenweg 7, 5144 MB Waalwijk  
P.O. Box 436, 5140 AK Waalwijk  
The Netherlands  
Tel +31 416 675 220  
Email [info@magnatyres.com](mailto:info@magnatyres.com)

### MAGNA TYRES NETHERLANDS PRODUCTION SITE

Denemarkenweg 3  
7772 TD Hardenberg  
The Netherlands  
Tel +(31)523 - 25 13 32  
Email [info@magnatyres.com](mailto:info@magnatyres.com)

### MAGNA TYRES GERMANY

Knautnaundorfer Str. 207,  
D-04249 Leipzig  
Deutschland  
Tel +(49)341 - 41 29 571  
Email [info@magnatyres.de](mailto:info@magnatyres.de)

### MAGNA TYRES POLAND Sp. z o.o.

Ul. Krakowska 48  
32-064 Rudawa  
Poland  
Tel +48 12 626 08 55  
Email [biuro@magnatyres.com.pl](mailto:biuro@magnatyres.com.pl)

### MAGNA TYRES CANADA LTD

9131 Keele Street  
Unit A4  
Vaughan, Ontario L4K 0G7  
Canada  
Info@magnatyres.ca.com

### MAGNA TYRES CHILE

Orinoco 90, Piso 16  
7560970 Las Condes Santiago  
Chile  
Tel +56 2 29516867  
Email [info@magnatyres.cl](mailto:info@magnatyres.cl)

### MAGNA TYRES SOUTH AFRICA

Maxwell Office Park, MacMac Building 4  
Magwa Crescent, Waterfall City,  
Midrand. 2191, South Africa  
Tel (+)27100055774  
Email [info@magnatyres.co.za](mailto:info@magnatyres.co.za)

### MAGNA TYRES MIDDLE EAST & AFRICA

RAK Free Zone, 109, BC3  
PO Box: 326097, Ras al-Khaimah  
UAE (United Arab Emirates)  
Tel +971 7207 8814  
Email [info@magnatyres.ae](mailto:info@magnatyres.ae)

### MAGNA TYRES KOREA

Hyoshin Hispec Co. Ltd, 6th Floor  
Hyun Building, 274-2, Yangjae-2dong  
Seocho-gu, Seoul, Korea  
Tel (+)82-2-3461-1777  
Email [info@magnatyres.kr](mailto:info@magnatyres.kr)

### MAGNA TYRES ASIA LTD

Units 1607-8, 16th Floor  
Citicorp Centre  
18 Whitfield Road  
Causeway Bay  
Hong Kong

### MAGNA TYRES TECHNICAL SERVICE (SHANGHAI) CO, LTD

Room 1504  
No. 578 Yingkou Road  
Yangpu District  
Shanghai  
China

### MAGNA TYRES SINGAPORE

Duo Towers – office 815, 3 Fraser Street  
Singapore 189352  
Singapore  
Tel +65 6828 1473  
Email [info@magnatyres.sg](mailto:info@magnatyres.sg)

PART OF THE MAGNA TYRES GROUP



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