



MADE BY TITAN



Line of Agricultural Tires



MADE BY TITAN

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Goodyear Farm Tires

Our priority is to move the agricultural world and anticipate industry trends. This is why cutting edge technology and premium designs are used on the Goodyear tires, manufactured by Titan, that move tractors, harvesting machines, bulk carriers and implements.

Their resistance, performance and durability are unbeatable to provide an array of advantages for those who work in the field: higher number of hours worked, less soil compaction, fuel savings and, consequently, cost reduction.

Codes of Application

ALAPA, ETRO and TRA are technical groups that determine standards for tire and rim manufacturers. These groups also establish standards to identify the specific application for which the tire was developed.

• Tires for Agricultural Tractors - Drive Wheels

<i>Tire Classification</i>	<i>Tread Pattern</i>
<i>F-1</i>	<i>Regular (1 groove)</i>
<i>F-2 / F-2M</i>	<i>Regular (2 or 3 grooves)</i>
<i>F-3</i>	<i>Multi grooved (Industrial Light)</i>

• Tires for Implements

<i>Tire Classification</i>	<i>Tread Pattern</i>
<i>HF-2</i>	<i>High Flotation</i>
<i>I-1</i>	<i>Multi Grooved</i>
<i>I-3</i>	<i>Free Shaft</i>

• Tires for Agricultural Tractors - Traction Wheels

<i>Tire Classification</i>	<i>Tread Pattern</i>
<i>R-1</i>	<i>Regular Traction</i>
<i>R-2</i>	<i>Extra Traction (Deep Groove)</i>
<i>R-3</i>	<i>Light Traction (Shallow Groove)</i>
<i>R-4</i>	<i>Industrial Service/Construction</i>
<i>R-1W</i>	<i>Traction with extra lug depth, 25% deeper than the R-1 groove</i>

• Tires for Forestry Tractors

<i>Tire Classification</i>	<i>Tread Pattern</i>
<i>LS-2</i>	<i>Intermediate Traction</i>

Product Warranty

The utmost confidence we have on our agricultural tire line allows us to guarantee our products for a long period of time. See below the warranties for our diagonal and radial tires:

Warranties	
Radial Construction Agricultural Tires (except sizes 500/60-22.5, 600/50-22.5, 710/40-22.5, 600/50R22.5)	8 years
Diagonal Construction Agricultural Tires (except sizes 500/60-22.5, 600/50-22.5, 710/40-22.5, 600/50R22.5)	6 years
High Flotation Tires sizes 500/60-22.5, 600/50-22.5, 710/40-22.5, 600/50R22.5	5 years

Types of Vehicles

simple traction tractors



assisted traction tractors



harvesters



coffee harvester



bulk carriers



farm spreaders



agricultural implements



irrigation pivots



cane transshipments



forestry tractors



backhoe loaders



skidder / forwarder



Equivalence Tables

Load Index

Most tires have a service description based on the load index (number) and the speed code (numbered letter or letter). See below the tables of Load Indexes and Speed Codes, with the suggested corresponding values.

Index	Load (Kg)	Index	Load (Kg)	Index	Load (Kg)	Index	Load (Kg)	Index	Load (Kg)	Index	Load (Kg)
60	250	81	462	102	850	123	1550	144	2800	165	5150
61	257	82	475	103	875	124	1600	145	2900	166	5300
62	265	83	487	104	900	125	1650	146	3000	167	5450
63	272	84	500	105	925	126	1700	147	3075	168	5600
64	280	85	515	106	950	127	1750	148	3150	169	5800
65	290	86	530	107	975	128	1800	149	3250	170	6000
66	300	87	545	108	1000	129	1850	150	3350	171	6150
67	307	88	560	109	1030	130	1900	151	3450	172	6300
68	315	89	580	110	1060	131	1950	152	3550	173	6500
69	325	90	600	111	1090	132	2000	153	3650	174	6700
70	335	91	615	112	1120	133	2060	154	3750	175	6900
71	345	92	630	113	1150	134	2120	155	3875	176	7100
72	355	93	650	114	1180	135	2180	156	4000	177	7300
73	365	94	670	115	1215	136	2240	157	4125	178	7500
74	375	95	690	116	1250	137	2300	158	4250	179	7750
75	387	96	710	117	1285	138	2360	159	4375	180	8000
76	400	97	730	118	1320	139	2430	160	4500	181	8250
77	412	98	750	119	1360	140	2500	161	4625	182	8500
78	425	99	775	120	1400	141	2575	162	4750	183	8750
79	437	100	800	121	1450	142	2650	163	4875	184	9000
80	450	101	825	122	1500	143	2725	164	5000	185	9250

Speed Symbol

Code	Speed (Kg/h)
A2	10
A5	25
A6	30
A8	40
B	50

Code	Speed (Kg/h)
D	65
E	70
F	80
G	90
J	100

Measurement Units

Measurement	Simb	Equivalence
1 centimeter	cm	= 0,3937 inches
1 meter	m	= 3,281 feet
1 Kilometer	km	= 0,6214 mile
1 liter	l	= 0,2199754 gallon
1 Kilogram	kg	= 2,204622 pounds
1 horse-power	cv	= 735,499 watts
1 bar	bar	= 14,5037738 psi
1 kiloPascal	kPa	= 0,01 bar
1 hectare	ha	= 2,4711 acre
1 square centimeter	cm ²	= 0,1550 in ²
1 ton	tn	= 1,1016047
1 mile/hour	mi/h	= 1,609344 km/h

Measurement	Simb	Equivalence
1 inch	in	= 2,54 cm
1feet	ft	= 0,3048 m
1 mile	ml	= 1,6093 km
1 gallon	gall.	= 3,785411784 l
1 pound	lb	= 0,453924 kg
1 kilowatt	kw	= 1,3596216173 cv
1pound/in2	psi	= 6,89476 kPa
1 bar	bar	= 100 kPa
1 acre	acre	= 0,4046842 ha
1 sq.in	in ²	= 6,451578 cm ²
1 ton	t	= 0,9842064 tn (imp.)
1 km/hour	km/h	= 0,62137 mph

Application on Harvesters - Cyclical Service

AGRICULTURAL TIRES USED ON HARVESTERS (CYCLICAL SERVICE)

Cyclical service is performed by a vehicle that requires minimum torque transmission and with considerable weight fluctuation, for example, depositing grains from the harvester, where it is repeatedly filled and emptied. Unloading occurs before the machine returns to the field.

For this application, we need to analyze the conditions listed below on single and double wheel drives:

- Terrain inclination must not exceed 11°;
- Pressure variations must respect the limits:
 - up to 30%, with maximum 15psi on diagonal tires;
 - up to 25%, with a minimum 6 psi and maximum 12psi on radial tires.
- The distance travelled with the maximum load must not be over 1,6km (1 mile);
- Before the equipment begins the transport, unloading must occur.

Example of application on diagonal tires

Code	Measurement	Load capacity (PR)	Non Cyclical Service "Tractors" (Air pressure - PSI)	Cyclical Service (Air pressure - PSI)	Service for Tractors (Load Base in KG)	Field Service - Maximum Load for Cyclical use	
						MAX 10Km/h +70%	MAX 16Km/h +55%
1150111	18.4-38 DYNA TORQUE II	10PR	26	34	2.900	4.930	4.495

Example of application on radial tires

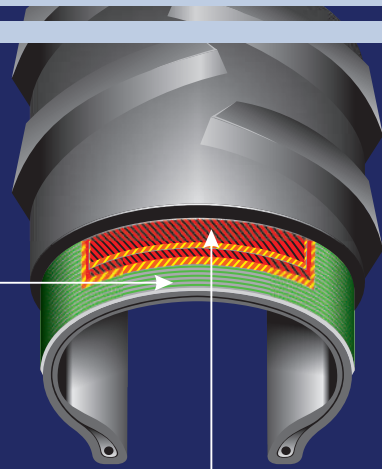
Code	Measurement	Load Index	Non Cyclical Service "Tractors" (Air pressure - PSI)	Cyclical Service (Air pressure - PSI)	Service for Tractors (Load Base in KG)	Field Service - Maximum Load for Cyclical use	
						MAX 10Km/h +70%	MAX 16Km/h +55%
1166020	520/85R38 APR	155 A8	23	29	3.875	6.590	6.010

*Example using single wheel drive. In case of a cyclical service on a double wheel drive, the load must be reduced, multiplying the maximum load for single wheel drive by 0.88.

Radial Tires

Characteristics

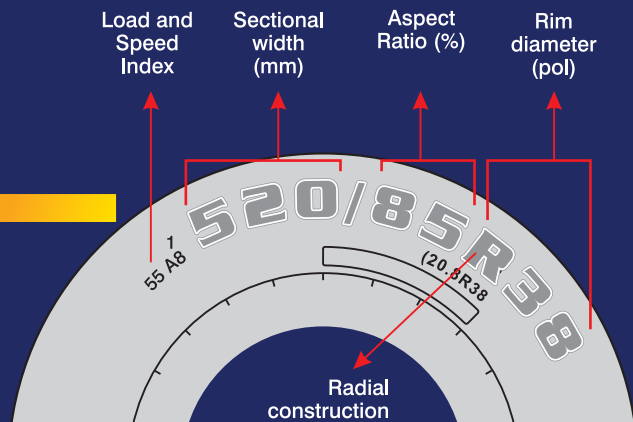
- Higher durability (hours worked)
- Less resistance on bearing
- More traction power
- More comfort for the operator
- "Tubeless" type
- Greater contact area between tire and soil



• The threads extend radially through the tire at the center line.

• Between the radial plies and the tread, there are textile straps. These straps run circumferentially around the carcass.

Tire Sidewall Lettering



Radial Tires



R-1

ULTRASPRAYER

Application for tractors, farm spreaders and fertilizer tractors.

Characteristics

- **IF technology Tires: Moderate Flexion** – designed to withstand 20% more load with the same internal pressure or to operate with up to 20% less pressure under the same load.
- **VF technology Tires: Very High Flexion** – designed to withstand 40% more load with the same internal pressure, or to operate with up to 40% less pressure under the same load.
- Tread designed to withstand heavy loads.

Benefits

EXCELLENT TRACTION

- The IF and VF technologies contribute to the reduction of soil compaction, distributing the load better, thus increasing floatation in damp soils and maintaining excellent traction.

COMFORT

- The wider width between shoulders provides an increase in lateral stability on slopes, while the crossing of the bars reduces the vibration on the soil, allowing for a more adequate driving.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
IF320/90R42	150D	46	3.350	319	1.643	5.029	186	Tubeless Tire	10.00	37	1163410
IF320/90R46	156D	58	4.000	319	1.744	5.232	195	Tubeless Tire	10.00	37	1163620
IF340/85R38	150D	46	3.350	343	1.543	4.648	190	Tubeless Tire	11.00	37	1163530
IF380/80R38	154D	46	3.750	383	1.573	4.750	212	Tubeless Tire	13.00	39	1163850
IF380/90R46	160D	44	4.500	383	1.852	5.562	287	Tubeless Tire	13.00	39	1167010
VF380/90R46	173D	64	6.500	383	1.852	5.562	287	Tubeless Tire	13.00	39	1168010

** Check: Guidelines about use of solid and liquid ballast.



R-1

APR

Main Applications: Tractors and Harvesters.

Characteristics

- Aramid Shock Absorber.
- Robust Carcass.
- Tread pattern with open centerline.

Benefits

EXTRA PROTECTION

- Overlapping Aramid layers that form a shield against cuts and lacerations.
- Same material used on bulletproof vests, helmets and armored cars.

LOAD CAPACITY

- Excellent when holding heavier loads.

EXCELLENT TRACTION AND SELF-CLEANING

- Open centerline provides excellent traction and self-cleaning on any kind of terrain.

REDUCES SOIL COMPACTION

- Bigger contact area contributes to minimize soil compaction, maximizing vehicle power.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
520/85R38	155A8	23	3.875	516	1.849	5.562	504	Tubeless Tire	16.00	40,8	1166020
520/85R42	162A8	35	4.750	516	1.951	5.842	537	Tubeless Tire	16.00	38,8	1166040
520/85R42	157A8	23	4.125	516	1.951	5.841	537	Tubeless Tire	16.00	38,8	1166030

** Check: Guidelines about use of solid and liquid ballast.



R-1W

OPTITRAC DT 800

Main applications: tractors/harvesters in agricultural services on dry, hard and consistent soils.

Characteristics

- Higher Lugs (25% more than R1 tires).
- Wide dimensions, with more contact area with the soil.

Benefits

SELF-CLEANING

- Bars at a 45o angle provide better self-cleaning.

EXTRA TRACTION AND DURABILITY

- Higher bars result in extra traction (25% more than R1).
- Bigger durability and lower cost per hour worked.

EXTRA PROTECTION

- Carcass with high resistance cords and shock absorbers on the tread area that provide extra protection against cuts and perforations.

COMFORT AND COMPACTION REDUCTION

- Bigger contact area between tire and soil, provides more comfort to the operator and minimizes compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
320/90R50	159A8	75	4.375	319	1.846	5.564	210	Tubeless Tire	10.00	41,27	115622077*
320/90R50	161A8/B	78	4.625	319	1.846	5.564	210	Tubeless Tire	10.00	41,27	115769177*
420/90R30	142A8	23	2.650	418	1.518	4.394	131	Tubeless Tire	13.00	49,21	1166050

* Upon request.

** Check: Guidelines about use of solid and liquid ballast.



R-1W

OPTITRAC DT 806

Main applications: tractors/harvesters in agricultural services on dry, hard and consistent soils.

Characteristics

- Lugs have extra height (25% more than R1 tires.)
- Wide dimensions, with more contact area with the soil.
- Aramid shock absorber.

Benefits

SELF-CLEANING

- Bars at a 45o angle provide better self-cleaning.

EXTRA TRACTION AND DURABILITY

- Higher bars result in extra traction (25% more than R1).
- Bigger durability and lower cost per hour worked.

EXTRA PROTECTION

- Overlapping Aramid layers that form a shield against cuts and lacerations.
- Same material used on bulletproof vests, helmets and armored cars.

COMFORT AND COMPACTION REDUCTION

- Bigger contact area between tire and soil, provides more comfort to the operator and minimizes compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
320/85R24	122A8	23	1.500	319	1.154	3.430	111	Tubeless Tire	10.00	41,27	1155000
380/85R24	131A8	23	1.950	380	1.256	3.713	171	Tubeless Tire	12.00	47,62	1155010
460/85R30	145A8	23	2.900	455	1.544	4.612	310	Tubeless Tire	15.00	50,8	1155020
460/85R34	147A8	23	3.075	455	1.646	1.930	341	Tubeless Tire	15.00	49,2	1155030
520/85R42	162A8	35	4.750	516	1.951	5.791	537	Tubeless Tire	16.00	57,1	1166042
520/85R42	157A8	23	4.125	516	1.951	5.791	537	Tubeless Tire	16.00	57,1	1166044

** Check: Guidelines about use of solid and liquid ballast.

Radial Tires



R-1W

OPTITRAC DT 824

Main Applications: tractors/harvesters in agricultural services on dry, hard and consistent soils.

Characteristics

- Lugs have extra height (25% more than R1 tires).
- Wide dimensions, with more contact area with the soil.
- Aramid shock absorber.

Benefits

SELF-CLEANING

- Bars at a 45o angle provide better self-cleaning.

EXTRA TRACTION AND DURABILITY

- Higher bars result in extra traction (25% more than R1).
- Bigger durability and lower cost per hour worked.

EXTRA PROTECTION

- Overlapping Aramid layers that form a shield against cuts and lacerations.
- Same material used on bulletproof vests, helmets and armored cars.

COMFORT AND COMPACTION REDUCTION

- Bigger contact area between tire and soil, provides more comfort to the operator and minimizes compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
600/65R28	147A8	23	3.075	591	1.491	4.445	374	Tubeless Tire	18.00	50,5	1153244
600/65R28	154A8	35	3.750	591	1.491	4.445	374	Tubeless Tire	18.00	50,5	1153242
600/70R30	152A8	23	3.550	591	1.602	4.826	374	Tubeless Tire	18.00	52,3	1163250
620/75R26	167A8	46	5.450	625	1.590	4.775	475	Tubeless Tire	20.00	57	1163270
620/75R30	163A8/B	35	4.853	625	1.692	5.080	585	Tubeless Tire	20.00	58,7	115323277*
650/75R32	160A8	23	4.500	645	1.789	5.421	613	Tubeless Tire	20.00	58,7	1153282
650/75R32	172A8	46	6.300	645	1.789	5.421	613	Tubeless Tire	20.00	58,7	1155040

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1W

OPTITRAC DT 830

Main Applications: tractors/harvesters in agricultural services on dry, hard and consistent soils.

Characteristics

- Lugs have extra height (25% more than R1 tires).
- Wide dimensions, with more contact area with the soil.
- Aramid shock absorber.

Benefits

SELF-CLEANING

- Bars at a 45o angle provide better self-cleaning.

EXTRA TRACTION AND DURABILITY

- Higher bars result in extra traction (25% more than R1).
- Bigger durability and lower cost per hour worked.

EXTRA PROTECTION

- Overlapping Aramid layers that form a shield against cuts and lacerations.
- Same material used on bulletproof vests, helmets and armored cars.

COMFORT AND COMPACTION REDUCTION

- Bigger contact area between tire and soil, provides more comfort to the operator and minimizes compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
800/65R32	172A8	35	6.300	798	1.853	5.424	760	Tubeless Tire	25.00	60,5	1154065
IF800/70R38	179A8/B	23	7.750	798	2.085	6.045	1.022	Tubeless Tire	25.00	61,12	1156010
900/60R32	176A8	35	7.100	896	1.893	5.740	1.022	Tubeless Tire	28.00	56,35	1157700
900/60R32	185A8/B	58	9.250	896	1.893	5.740	1.022	Tubeless Tire	28.00	56,35	115770277*
IF800/55R46	182D	41	8.500	775	2.070	6.070	1.022	Tubeless Tire	28.00	61,12	115651077*

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1W

DT 820

Main Applications: tractors/harvesters in agricultural services on dry, hard and consistent soils

Characteristics

- Extra high lugs (25% more than R1 tires).
- Low profile (series 70).

Benefits

SELF-CLEANING

- Lugs at a 45o angle provide better self-cleaning.

DURABILITY

- Lug design helps avoid perforations and cuts, and provides better load distribution.

HIGH RESISTANCE

- Carcass with high resistance cords and shock absorbers on the tread area that provide extra protection against cuts and perforations.

MORE SOIL PROTECTION

- Bigger contact between tire and soil, this provides less soil compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
620/70R46	176A8/B	55	7.100	625	2.036	6.172	692	Tubeless Tire	20.00	56,35	115770177*

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1W

DT 924

Main Applications: tractors/harvesters in agricultural services on dry, hard and consistent soils.

Characteristics

- Extra high lugs (25% more than R1 tires).
- Line with aramid shock absorber.

Benefits

SELF-CLEANING

- Lugs at a 45° angle provide better self-cleaning.

DURABILITY

- Lug design helps avoid perforations and cuts, and provides better load distribution.

EXTRAPROTECTION

- Overlapping Aramid layers that form a shield against cuts and lacerations.
- Same material used on bulletproof vests, helmets and armored cars.

MORE SOIL PROTECTION

- Bigger contact between tire and soil, this provides less soil compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
600/65R28	154A8	35	3.750	591	1.491	4.445	374	Tubeless Tire	18.00	53,5	1153243
480/70R34	146A8	29	3.000	479	1.580	4.750	314	Tubeless Tire	15.00	49,2	1163302
480/70R34	155A8	46	3.875	479	1.580	4.800	314	Tubeless Tire	15.00	49,2	1163300
620/70R42	166A8	35	5.300	625	1.935	5.842	641	Tubeless Tire	20.00	52,39	1167710
710/70R38	171A8	35	6.150	716	1.959	5.791	763	Tubeless Tire	23.00	61,9	1163308
710/70R38	178A8	49	7.500	716	1.959	5.791	763	Tubeless Tire	23.00	61,9	1163309
710/70R42	173A8	35	6.500	716	2.061	6.121	863	Tubeless Tire	23.00	61,9	1163311
710/70R42	179A8	46	7.750	716	2.061	6.121	863	Tubeless Tire	23.00	61,9	1163310

** Check: Guidelines about use of solid and liquid ballast.

Radial Tires



R-1W

SUPER TRACTION RADIAL

For applications in severe conditions and wet soil.

Characteristics

- Series 80 Tire.
- Extra high lugs (25% more than R1 tires).
- Shock absorbent straps located below tread.

Benefits

SELF-CLEANING

- Lugs at a 45° angle provide better self-cleaning.

DURABILITY

- Tread with bigger lugs provide more durability and lower cost per hour worked.

HIGH RESISTANCE

- Carcass with high resistance cords and shock absorbers on the tread area that provide extra protection against cuts and perforations.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
16.9R28	136A8/B	24	2.240	429	1.435	4.267	201	Tubeless Tire	15.00	49,2	115685077*
20.8R38	153A8/B	24	3.650	528	1.834	5.486	530	Tubeless Tire	18.00	57,1	115405077*
380/80R38	142A8	35	2.650	380	1.573	4.750	212	Tubeless Tire	12.00	47,62	1156705
420/85R34	147A8/B	35	3.075	418	1.578	4.724	312	Tubeless Tire	13.00	49,2	115405577*
480/80R50	176A8/B	73	7.100	479	2.038	6.223	474	Tubeless Tire	15.00	50,8	180335077*
620/70R46	176	35	7.100	625	2.036	6.172	692	–	20.00	50,6	115705077
250/95R54	141	52	2.575	251	1.847	5.563	–	–	8.00	44	180769377
250/90R38	132	52	2.000	251	1.415	4.267	–	–	8.00	41	180769477

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1W

OPTITRAC

Main Applications: tractors/harvesters in agricultural services on dry, hard and consistent soils.

Characteristics

- Higher lugs (25% more than R1 tires).
- Wide dimensions, with bigger contact area with the soil.
- Shock absorbent straps located below the tread.

Benefits

SELF-CLEANING

- Lugs at a 45° angle provide better self-cleaning.

DURABILITY

- Lug design helps avoid perforations and cuts, and provides better load distribution.

HIGH RESISTANCE

- Carcass with high resistance cords and shock absorbers on the tread area that provide extra protection against cuts and perforations.

MORE SOIL PROTECTION

- Bigger contact between tire and soil, this provides less soil compaction.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
750/65R26	166A8	35	5.300	754	1.636	4.851	635	Tubeless Tire	24.00	51,5	1157030

** Check: Guidelines about use of solid and liquid ballast.



R-2

SPECIAL SURE GRIP TD8

Main Applications: for tractors in rice culture regions and flooded cultures.

Characteristics

- Grooves twice as deep (compared to R 1 tires).
- Better performance in flooded soils.
- Open lug pattern.

Benefits

EXCELLENT TRACTION AND SELF-CLEANING

- Wide grooves and open lug pattern allow deep penetration in flooded terrain, providing extra traction, excellent self-cleaning power and less slippage.

DURABILITY

- Carcass with special compound provides extra resistance against cuts and damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
480/70R34	142A8/B	23	2.650	479	1.622	4.826	314	Tubeless Tire	15.00	72	115503577*
480/85R30	156A8	41	4.000	480	1.623	4.826	537	Tubeless Tire	15.00	72	115491577*
520/85R42	147A8/B	23	4.125	516	1.951	5.791	537	Tubeless Tire	16.00	72,23	115491277*

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



I-3

RSF XTRA

Main applications: sugar cane transshipment and other equipment used for direct planting and agricultural implements (sowing and planting machines, fertilizers, etc.)

Characteristics

- Bigger contact area of tire with soil.
- Blocked design, with reduced spacing and rounded shoulders.
- Robust carcass, with higher durability compounds, aramid shock absorber and aero-tie-in binding.

Benefits

GREATER SOIL PROTECTION

- Wider tread, with bigger contact area between tire and soil, providing less soil compaction.

STABILITY, SELF-CLEANING AND LESS SLIPPAGE

- More lateral stability and better drivability o compact soils.
- Excellent self-cleaning.
- More uniform load distribution and less resistance to bearings, reducing slippage.

EXTRA PROTECTION

- Overlapping Aramid layers that form a shield against cuts and lacerations.
- Same material used on bulletproof vests, helmets and armored vehicles.

REINFORCED BEAD

- Technology used in the aerospace industry.
- Bead area reinforcement provides more durability and less cost per hour worked.
- More resistant tire, because it has a bigger number of real plies.



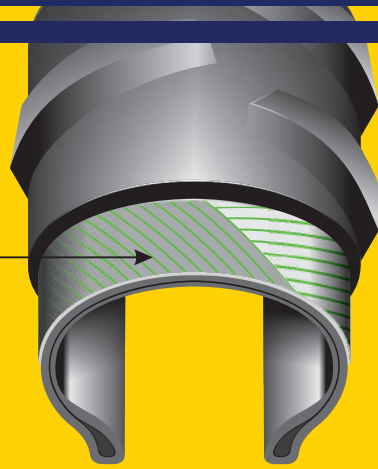
Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube	Measuring Rim (in)	Groove Depth (mm)	Code
600/50R22.5	168A8	46	5600	600	1172	3378	148	Tubeless Tire	20.00	17,5	1161070

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires

Characteristics

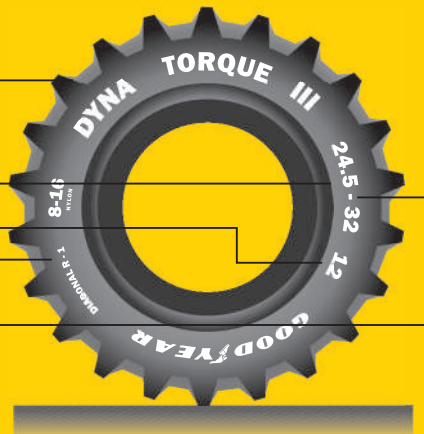
- Less components
- Easy tire repair
- Versatile application



- The threads extend **diagonally** through the tire body, from bead to bead, in the centerline. Each ply goes in an opposite direction, creating a net.

How to read a marking on a tire

- NAME: Dyna Torque III
- MEASUREMENT: 24.5-32
- LOAD CAPACITY: 12
- APPLICATION CODE: R-1
- TYPE: Diagonal



Diagonal Tires



F-2

SUPER GUIDA

Main Applications: general services with low power tractors and light axes.

Characteristics

- Design with two grooves and open centerline.
- Protection against side cuts and lacerations.
- Reinforced bead area.

Benefits

GREATER DRIVABILITY

- Better directional control and less slippage, especially on significantly uneven terrain, providing more safety.
- Excellent self-cleaning.

DURABILITY

- Greater durability, protection against damage and lower cost per hour worked.

REINFORCED BEAD AREA

- Thick rubber layer on the bead guarantees extra protection against damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
5.00-15	8	80	475	130	664	1.961	15	5.00-15	3.00	13,3	1102800

** Check: Guidelines about use of solid and liquid ballast.



F-2M

DYNA RIB

Main applications: General services on low power and free axle tractors.

Characteristics

- Design with 4 directional grooves.
- Reinforced bead area.

Benefits

HIGH FLOTATION AND LESS COMPACTION

- Uniform load distribution and less soil compaction.
- Better directional stability that provides more safety for the operator.

DURABILITY

- Extra protection against damage and resistance to cuts and malfunctions.
- Uniform wear and regular tread.

REINFORCED BEAD AREA

- Thick rubber layer on the bead guarantees extra protection against damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
6.00-16	6	52	570	159	739	2.162	23	6.00-16	4.00	12	1100011
6.00-16	8	68	675	159	739	2.162	23	6.00-16	4.00	12	1100010
6.50-16	8	64	745	173	761	2.235	27	6.50-16	4.50	12	1103200
7.50-18	8	64	945	203	859	2.606	38	7.50-18	5.50	13,8	1100040
7.50-20	8	56	1.025	203	909	2.790	45	7.50-20	5.50	15,4	1100030
10.00-16	10	56	1.420	274	894	2.659	69	10.00-16	8.00	20,63	1100000
10.00-16	8	44	1.195	274	894	2.260	69	10.00-16	8.00	20,5	1100005
11.00-16	8	40	1.325	315	967	2.804	94	11.00-16	10.00	23	1100050
11.00-16	10	52	1.565	315	967	2.804	94	11.00-16	10.00	23	1100051

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires



F-2

TRIPLE RAIADO

Main applications: General services on low power and free axle tractors.

Characteristics

- Design with two grooves and open centerline.
- Protection against side cuts and lacerations.
- Reinforced bead area.

Benefits

GREATER DRIVABILITY

- Better directional control and less slippage, especially on significantly uneven terrain, providing more safety.
- Excellent self-cleaning.

DURABILITY

- Greater durability, protection against damage and lower cost per hour worked.

REINFORCED BEAD AREA

- Thick rubber layer on the bead guarantees extra protection against damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
5.50-16	4	40	425	150	713	2.108	19	5.50-16	4.00	11,1	1100600

** Check: Guidelines about use of solid and liquid ballast.



F-2

RIB TRACTOR

Main applications: General services on low power and free axle tractors.

Characteristics

- Design with two grooves and open centerline.
- Protection against side cuts and lacerations.
- Reinforced bead area.

Benefits

GREATER DRIVABILITY

- Better directional control and less slippage, especially on significantly uneven terrain, providing more safety.
- Excellent self-cleaning.

DURABILITY

- Greater durability, protection against damage and lower cost per hour worked.

REINFORCED BEAD AREA

- Thick rubber layer on the bead guarantees extra protection against damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
6.00-16	6	52	570	159	739	2.141	23	6.00-16	4.00	9,6	1100205
7.50-16	8	56	870	203	808	2.446	38	7.50-16	5.50	23,4	1100215
7.50-18	8	56	945	203	859	2.606	38	7.50-18	5.50	23,4	1100225
9.00-16	10	60	1.250	234	855	2.524	45	9.00-16	6.00	10,4	1100235

** Check: Guidelines about use of solid and liquid ballast.



F-2

IMPLEMENTO RAYADO

Main applications: General services on low power and free axle tractors.

Characteristics

- Design with four directional grooves and wide tread with rounded shoulders.
- Reinforced bead area.

Benefits

LESS SOIL COMPACTION

- Uniform load distribution, low friction in the shoulder area with minimum soil compaction.

DRIVABILITY and SELF-CLEANING

- Better side stability provides more safety for the operator.
- Less vibration due to long and aligned lugs.
- Excellent self-cleaning.
- Directional precision.

DURABILITY

- Extra protection provides greater resistance against damage.

REINFORCED BEAD AREA

- Thick rubber layer on the bead guarantees extra protection against damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
6.00-16	6	52	570	159	739	2.141	23	6.00-16	4.00	6	1101600
6.00-16	8	68	675	159	739	2.141	23	6.00-16	4.00	6	1101601

** Check: Guidelines about use of solid and liquid ballast.



I-1

PL G8

Main applications: tractors with free axle and implements.

Characteristics

- Wide, flat tread.
- Tread compound resistant to abrasions, cuts and pullouts.

Benefits

STABILITY and SAFETY

- Shoulders provide safety when driving and stability.
- Flat tread guarantees better load distribution.

SELF-CLEANING

- Zig-zag grooves.
- Excellent self-cleaning and ease to expel stones.

SPECIAL TREAD COMPOUND

- Uniform and regular wear.
- Resistant to abrasion, cuts and pullouts.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
7.00-16	10	60	1.225	202	778	2.332	N.R.	7.50-16	5.50	10,9	1103250
7.50-16	10	72	1.360	203	785	2.334	N.R.	7.50-16	5.50	11,2	1103255
7.50-16	12	72	1.360	203	785	2.387	26	7.50-16	5.50	11,2	1103257
7.50-18	8	56	945	203	836	2.562	42	7.50-18	5.50	11	1100844

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires



I-1

SUPER FLOTATION

Main applications: General services on low power tractors, planters, sowing machines and farm trawl sprayers

Characteristics

- Design with wide treads and deep grooves.
- Reinforced bead area. *ulcos profundos.*

Benefits

- **GREATER SOIL PROTECTION**
- Wider tread, with greater contact area between tire and soil, provides less soil compaction.
- **SELF-CLEANING**
- Excellent self-cleaning and ease to expel stones.
- **SAFETY**
- Better directional control, reduction of resistance force and slippage, especially on significantly uneven terrain.
- **DURABILITY**
- Greater durability and lower cost per hour worked.
- **HIGH RESISTANCE**
- Extra protection and uniform distribution of tensions, providing superior resistance against cuts and perforations.
- **REINFORCED BEAD AREA**
- Thick rubber layer on the bead, guarantees extra protection against damages.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
10.5/80-18	10	54	1.950	274	885	2.735	62	10.5/80-18	9.00	10,1	1100401
10.5/80-18	12	64	2.200	274	885	2.735	62	10.5/80-18	9.00	10,1	1100402
10.5/65-16	10	54	1.550	274	755	2.260	40	Tubeless Tire	9.00	7,5	1100403

** Check: Guidelines about use of solid and liquid ballast.

I-1

RAIADO MÁQUINA AGRÍCOLA

Main Applications: planters, sowing machines and farm trawl sprayers

Characteristics

- Design with five directional plies and four grooves and side with embossed pattern.

Benefits

- **SELF-CLEANING**
- Provides better self-cleaning and greater stability for the wheels free of agricultural implements.
- **HIGH RESISTANCE**
- Uniform distribution of tensions, provides superior resistance against cuts and perforations, increasing durability.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
7.50-16	10	60	1.230	203	785	2.301	38	7.50-16	5.50	6,5	1100811

** Check: Guidelines about use of solid and liquid ballast.



I-1

FARM UTILITY

Main applications: planters, sowing machines and farm trawl sprayers.

Characteristics

- Design with five parallel plies and four grooves and embossed side.
- Low profile tire (series 70).

Benefits

- **GREATER FLOTATION**
Provides maximum flotation and better side stability.
- **LESS SOIL COMPACTION**
Uniform load distribution, minimizing soil compaction.
- **SELF-CLEANING**
Self-cleaning power and directional control.
- **DAMAGE RESISTANCE**
Extra protection and uniform distribution of tensions, provides superior resistance against damages.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
11L-15	12	52	1.450	279	777	2.186	54	Tubeless Tire	8.00	8,7	1103001
11L-15	10	44	1.320	279	777	2.186	54	Tubeless Tire	8.00	8,7	1103002
11L-14SL	8	36	1.120	279	752	2.133	50	Tubeless Tire	8.00	6,5	1103003
12.5L-15	8	36	1.360	318	823	2.362	71	Tubeless Tire	10.00	6	1103004

** Check: Guidelines about use of solid and liquid ballast.



I-3

BANDEIRANTE

Main applications: planters, sowing machines and farm trawl sprayers.

Characteristics

- Deep grooves and blocks with aggressive design.
- Tread compound resistant to abrasions, cuts and pullouts.

Benefits

- **EXCELLENT TRACTION**
Aggressive block design provides better traction on any type of surface.
- **RESISTANCE AND DURABILITY**
Tread produced with compound resistant to abrasion and wear.
Side especially designed to withstand the excessive flexing.
Compounds created to offer protection against cuts and damage and reinforced carcass.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
7.50-16	12	72	1.360	203	801	2.387	26	7.50-16	5.50	15	1103260

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires

I-3

ALL SERVICE



Main applications: planters, sowing machines and implements.

Characteristics

- Military type design with transversal lugs and wide grooves.
- Straight shoulders, with indents and no blades on the lugs.

Benefits

SELF-CLEANING AND DRIVABILITY

- Bigger grip and self-cleaning when applied to agricultural implements (planters).

DURABILITY

- Special tread rubber compound provides greater resistance to cuts and perforations.

STABILITY AND TRACTION

- The straight shoulders with indents avoid implement sliding, allowing it to function perfectly.
- Longitudinal lugs provide greater grip and excellent self-cleaning.
- Excellent traction for the destined application.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
6.50-16	10	60	1.010	173	749	2.250	27	6.50-16	4.50	12,2	1102400

** Check: Guidelines about use of solid and liquid ballast.

I-3

SURE GRIP IMPLEMENT



Main applications: agricultural implements.

Characteristics

- Tread design with optimized, wide, resistant lugs, with open centerline and low side profile.

Benefits

EXCELLENT TRACTION AND SELF-CLEANING

- Offer efficient operations for agricultural services, in general, especially when applied on muddy soils.

DURABILITY

- Uniform tension distribution, providing superior resistance against damages and excellent durability.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
12.5/80-18	10	44	2.065	308	987	3.010	N.R.	Tubeless Tire	9.00	25,4	1101800
16.0/70-20	10	36	3.070	418	1.097	3.293	N.R.	Tubeless Tire	13.00	30,96	1102600

** Check: Guidelines about use of solid and liquid ballast.



I-3

SURE GRIP LUG

Main applications: backhoe holders and harvesters.

Characteristics

- Wide, resistant lugs.
- Low profile tire.

Benefits

GREATER TRACTION

- Greater traction power during severe industrial services, even when applied on hard, consistent soils.

DURABILITY

- Greater durability, with lower cost per hour worked.

RESISTANCE

- Uniform tension distribution, providing superior resistance against damage caused.

SAFETY WHEN DRIVING

- Provide less deflection, improving stability and minimizing lateral oscillations.
- Avoids vibration.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim \varnothing	Groove Depth (mm)	Code
12.5/80-18	10	44	2.065	308	987	3.010	N.R.	Tubeless Tire	9.00	24,6	1101410
12.5/80-18	14	62	2.994	308	987	3.010	N.R.	Tubeless Tire	9.00	24,6	1101422
12-16.5NHS	10	64	1.725	323	846	2.549	N.R.	Tubeless Tire	9.75	18,26	1101400

** Check: Guidelines about use of solid and liquid ballast.



I-3

SUPERFLOT / SUPERFLOT II

Main applications: sugar cane transshipments and other direct sowing equipment and agricultural implements (planters, sowing machines and farm trawl sprayers, etc.)

Characteristics

- Robust and resistant carcass.
- Wide tread.
- Clipped Toe.

Benefits

LESS SOIL COMPACTION

- Low profile side.
- Bigger contact area between tire and soil distributes the weight better, providing less soil compaction.

RESISTANCE

- Reinforced bead prevents unbeading during maneuvers and greater resistance to wear.

EFFICIENCY

- Great self-cleaning power, bigger mobility and rolling resistance.

EASY ASSEMBLY

- Clipped Toe: Eases assembly and provides better bead positioning on the wheel.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
400/60-15.5	14	52	2.465	404	874	2.470	120	Tubeless Tire	13.00	14,7	1111050
400/60-15.5	16	60	3.150	404	874	2.470	120	Tubeless Tire	13.00	14,7	1111060
500/60-22.5	16	48	4.370	503	1.159	3.429	230	Tubeless Tire	16.00	24,6	1111010
600/50-22.5	16	40	5.150	591	1.172	3.470	260	Tubeless Tire	18.00	25	1111070
710/40-22.5	16	40	5.600	727	1.140	3.375	290	Tubeless Tire	24.00	24,6	1111030

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires

F-3

LABORER



Main applications: Backhoe front and agricultural implements.

Characteristics

- Design with 4 directional grooves, in a zig-zag shape.
- Robust carcass wide indents on the shoulders.

Benefits

DRIVABILITY

- Lateral stability and directional precision.
- Reduced resistance to pull and slippage.

DURABILITY AND ECONOMY

- Greater durability with less cost per hour worked, as well as excellent self-cleaning.

PROTECTION AGAINST DAMAGES

- Uniform distribution of tensions provides superior resistance against damage.

SPECIAL COMPOUND

- Uniform and regular wear.
- High resistance to cuts and damages during the demanding industrial services.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
11L15	10	44	1.320	279	777	2.285	54	Tubeless Tire	8.00	11,9	1101150
11L15	12	52	1.450	279	777	2.285	54	Tubeless Tire	8.00	11,9	1101160
11L16	12	64	1.260	279	803	2.385	58	Tubeless Tire	8.00	11,9	1101201
11L16	10	44	1.360	279	803	2.385	58	Tubeless Tire	8.00	11,9	1101202
16.0/70-20	10	36	3.070	418	1.097	N.R.	N.R.	Tubeless Tire	13.00	14	1101300

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1

POWER TORQUE

Main applications: tractors, harvesters and implements.

Characteristics

- Design with wide and robust treads with open center.
- Reinforced side area, with bigger rubber volume.

Benefits

EXCELLENT TRACTION AND SELF-CLEANING

- Design with wide and robust lugs, with open center avoids residue build-up and provides more traction power.
- Higher durability and lower cost per hour worked.

SIDE SPECIAL COMPOUND

- Facilitates heat dissipation and provides resistance to cuts, pullage and lacerations

DRIVABILITY

- Design avoids vibration, guaranteeing stability.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
13.6-38	6	22	1.660	345	1.565	4.670	215	12.4-38; 13.6-38	12.00	36,5	1150200
13.6-38	14	50	2.695	345	1.565	4.670	215	12.4-38; 13.6-38	12.00	36,5	1150201
14.9-28	8	26	1.880	378	1.367	4.119	201	14.9-28	13.00	37,8	1150211
16.9-28	8	24	2.180	429	1.435	4.315	261	16.9-28; 18.4-28	15.00	42	1150221

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1

POWER TORQUE II

Main applications:
tractors, harvesters and implements.

Characteristics

- Design with wide, robust tread, with open center.
- Side area reinforced, with bigger rubber volume.

Benefits

EXCELLENT TRACTION AND SELF-CLEANING

- Design with wide and robust lugs, with open center avoids residue build-up and provides more traction power.
- Higher durability and lower cost per hour worked.

SIDE SPECIAL COMPOUND

- Facilitates heat dissipation and provides resistance to cuts, pullage and lacerations.

DRIVABILITY

- Design avoids vibration, guaranteeing stability.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
18.4-26	10	26	2.645	467	1.450	4.318	300	18.4-26	16.00	39,7	1150232
18.4-26	12	32	2.985	467	1.450	4.318	300	18.4-26	16.00	39,7	1150233

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1

POWER TORQUE II HD

Main application: tractors.

Characteristics

- Agroforestry tire - HD (Heavy Duty).
- Two floating plies and special tread compound.
- Optimized design with lugs and open center.

Benefits

SAFETY WHEN DRIVING

- Extra protection against cuts and perforations on the tread side.

DURABILITY

- Special bead to withstand heavier loads, especially on uneven terrains.

RESISTANCE

- Excellent traction, higher durability and smaller cost per hour worked.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
18.4-26	12	32	2.985	467	1.450	4.195	299	Tubeless Tire	16.00	39,7	1150237
18.4-26	12	32	2.985	467	1.450	4.318	300	-	16.00	39,5	1150800

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires



R-1

TRACTION IRRIGATION 3

Main applications: irrigation pivots.

Characteristics

- Carcass resistant to cuts and perforation.
- Uniform load distribution.

Benefits

SPECIAL COMPOUND

- Reinforced carcass, produced with special compound resistant to cuts and perforations.

LESS SOIL COMPACTION

- Short lugs guarantee traction with low soil compaction

BIGGER TRACTIVITY

- Tractive design with short lugs guarantees maximum performance for the type of application.

SELF-CLEANING

- Tread design projected to minimize soil buildup between the lugs, providing excellent self-cleaning.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube a Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
12.4-24	4	31	2.300	315	1.159	2.972	114	Tubeless Tire	11.00	26,5	1150310
12.4-24	6	31	2.300	315	1.159	2.972	114	Tubeless Tire	11.00	26,5	1150315
14.9-24	6	20	2.870	378	1.266	3.785	185	14.9-24	13.00	30,96	1150300
14.9-24	6	20	2.870	378	1.266	3.785	185	14.9-24	13.00	30	1150320

** Check: Guidelines about use of solid and liquid ballast.



R-1

SUPER CUARTEADORA

Main applications: tractors, sprayers, irrigation pivots, harvesters and implements

Characteristics

- Tread design with symmetrical lugs.

Benefits

TRACTION

- Uniform traction and slippage resistance due to symmetrical lugs.

DRIVABILITY

- Maximum control of traction efforts, especially during spraying and irrigation pivots services.

SELF-CLEANING

- Firmer soil grip, self-cleaning and maximum slippage reduction.

RESISTANCE

- Uniform tension distribution providing superior resistance against damages.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube a Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
9.5-24	6	28	940	241	1.048	3.144	64	9.5-24	8.00	32,6	1150600
9.5-24	6	28	940	241	1.048	3.144	64	a	8.00	32,6	1150602

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1

DYNA TORQUE II

Main applications:
tractors, harvesters and implements

Characteristics

- Exclusive design, with long and short lugs.
- Reinforced carcass.

Benefits

GREATER TRACTIVITY

- Perfect power distribution in the tire center and shoulders, meaning more traction power, with lower slippage index.

RESISTANCE

- Tread special rubber compound facilitates heat dissipation and provides resistance to detachments.

SELF-CLEANING

- Excellent self-cleaning due to wide and deep grooves.

EXCELLENT DRIVABILITY

- Better stability and drivability with minimized vibration.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast:	Recommended Tube (Valve TR 1.5) Tubeless Tire (Valve TR 4.15)	Measuring Rim (in)	Groove Depth (mm)	Code
11.2-24	6	26	950	284	1.103	3.277	91	Tubeless Tire	10.00	34,9	1150005
11.2-28	8	34	1.305	284	1.205	3.602	102	11.2; 12.4-28	10.00	34,9	1150003
11.2-28	6	26	1.115	284	1.205	3.602	102	11.2; 12.4-28	11.00	34,9	1150000
12.4-24	4	16	945	315	1.159	3.481	114	12.4-24	11.00	34,9	1150009
12.4-24	6	24	1.200	315	1.159	3.481	114	11.2; 12.4-24	11.00	34,9	1150010
12.4-24	8	32	1.415	315	1.159	3.481	114	11.2-24; 12.4-24	11.00	34,9	1150014
12.4-24	10	40	1.500	315	1.159	3.481	114	Tubeless Tire	11.00	34,9	1150011
12.4-24	6	24	1.200	315	1.159	3.481	114	Tubeless Tire	11.00	31,5	1150012
12.4-28	6	24	1.275	315	1.260	3.778	132	11.2-28; 12.4-28	11.00	31,75	1150020
12.4-36	6	24	1.440	315	1.464	4.310	160	12.4-36; 13.6-36	11.00	34,9	1150030
12.4-36	12	48	2.110	315	1.464	4.310	160	12.4-36; 13.6-36	11.00	34,9	1150032
14.9-24	6	20	1.510	378	1.265	3.778	178	14.9-24	13.00	37,3	1150040
14.9-24	8	26	1.760	378	1.265	3.778	178	Tubeless Tire	13.00	37,3	1150042
14.9-24	8	26	1.760	378	1.265	3.778	178	14.9-24	13.00	37,3	1150041
14.9-26	12	34	2.130	378	1.316	3.974	182	14.9-26	13.00	37,3	1150050
14.9-26	8	26	1.820	378	1.316	3.974	182	14.9-26	13.00	37,3	1150051
14.9-26	6	20	1.560	378	1.316	3.974	182	14.9-26	13.00	37,3	1150070
14.9-28	8	26	1.880	378	1.367	4.119	201	Tubeless Tire	13.00	38,89	1150062
14.9-28	6	20	1.615	378	1.367	4.119	201	14.9-28	13.00	37,31	1150060
14.9-28	8	26	1.880	378	1.367	4.119	201	14.9-28	13.00	37,31	1150061
16.9-30	8	24	2.245	429	1.485	4.428	276	16.9-30; 18.4-30	15.00	38,1	1150080
18.4-30	10	26	2.815	467	1.552	4.660	337	16.9-30; 18.4-30	16.00	39,7	1150090
18.4-30	12	32	3.160	467	1.552	4.660	337	16.9-30; 18.4-30	16.00	39,7	1150091
18.4-30	8	20	2.420	467	1.552	4.660	337	16.9-30; 18.4-30	16.00	39,7	1150096
18.4-34	10	26	2.990	467	1.657	4.943	379	16.9-34; 18.4-34	16.00	41,27	1150101
18.4-34	12	32	3.375	467	1.657	4.943	379	16.9-34; 18.4-34	16.00	41,27	1150102
18.4-34	6	16	2.250	467	1.657	4.943	379	16.9-34; 18.4-34	16.00	41,27	1150103
18.4-34	8	20	2.565	467	1.657	4.943	379	16.9-34; 18.4-34	16.00	41,27	1150108
18.4-34	10	26	2.990	467	1.657	4.660	337	Tubeless Tire	16.00	41,28	1150112
18.4-38	12	32	3.575	467	1.755	5.269	416	16.9-34; 18.4-38	16.00	39,71	115 0110
18.4-38	10	26	3.165	467	1.755	5.269	416	16.9-38; 18.4-38	16.00	39,71	1150111
18.4-38	8	32	2.715	467	1.755	5.269	416	16.9-38; 18.4-38	16.00	39,71	1150109
20.8-38	10	22	3.480	528	1.834	5.458	530	18.4-38; 20.8-38	18.00	40,51	1150120
20.8-38	14	32	4.330	528	1.834	5.458	530	18.4-38; 20.8-38	18.00	40,5	1150121
20.8-42	14	32	4.125	528	1.935	5.765	560	Tubeless Tire	18.00	40,5	1154901
13.6-24	8	28	1.540	345	1.210	3.632	144	Tubeless Tire	12.00	37,5	1150022
16.9-30	10	28	2.485	429	1.485	4.420	276	Tubeless Tire	15.00	39,5	1150085
18.4-34	8	20	2.565	467	1.657	4.953	379	Tubeless Tire	16.00	41,27	1150097
18.4-38	10	26	3.165	467	1.755	5.257	416	Tubeless Tire	16.00	39,7	1150114
20.8-38	10	22	3.480	528	1.834	5.461	530	Tubeless Tire	18.00	40,5	1150122
20.8-38	14	32	4.330	528	1.834	5.461	530	Tubeless Tire	18.00	40,5	1150123

Diagonal Tires



R-1

DYNA TORQUE II HD

Main applications: forestry tractors.

Characteristics

- Agroforestry tire - HD (Heavy Duty).
- Design with two flotation plies, with special compound tread and lugs with bigger side depth.

Benefits

GREATER TRACTIVITY

- Perfect power distribution in the center and shoulders of the tire, that generates more traction power, with a lower slippage index.

RESISTANCE

- Tread special rubber compound, facilitates heat dissipation and offers resistance to pullouts.

SELF-CLEANING

- Excellent self-cleaning due to the wide, deep lugs.

EXCELLENT DRIVABILITY

- Better stability and drivability with the vibration minimization.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
12.4-24	10	40	1.500	315	1.159	3.481	114	Tubeless Tire	11.00	34,9	1150015
14.9-24	12	38	1.950	378	1.265	3.778	178	14.9-24	13.00	37,3	1150043
18.4-30	12	32	3.160	467	1.552	4.660	337	Tubeless Tire	16.00	39,7	1150100
18.4-34	14	36	3.560	467	1.657	4.943	379	16.9-34; 18.4-34	16.00	41,27	1150106

** Check: Guidelines about use of solid and liquid ballast.



R-1

DYNA TORQUE III

Main applications: tractors, harvesters and implements

Characteristics

- Exclusive design, with aligned short and long lugs in the shoulder area.
- Wide and deep grooves.

Benefits

GREATER TRACTIVITY

- Perfect power distribution in the tire center and shoulders, which translates into higher traction power, with a smaller slippage index.

RESISTANCE

- Tread special rubber compound, facilitates heat dissipation and offers resistance to pullouts.

SELF-CLEANING

- Excellent self-cleaning due to the wide, deep lugs.

EXCELLENT DRIVABILITY

- Better stability and drivability with the vibration minimization.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
8.00-16	8	46	615	211	772	2.360	30	Tubeless Tire	6.00	22,8	1152018
15.5-38	8	26	2.060	393	1.569	4.714	250	15.5-38	14.00	37,3	1150192
23.1-26	12	24	3.615	587	1.605	4.790	485	Tubeless Tire	20.00	41,3	1150153
23.1-26	16	34	4.000	587	1.605	4.790	485	Tubeless Tire	20.00	41,3	1150155
23.1-30	12	24	3.845	587	1.707	5.106	541	23.1-30	20.00	41,3	1150132
23.1-30	12	24	3.845	587	1.707	5.106	541	Tubeless Tire	20.00	41,3	1150136
24.5-32	12	24	4.390	622	1.803	5.414	643	24.5-32	21.00	42,1	1150142
28L26	12	20	3.760	713	1.615	4.821	594	Tubeless Tire	25.00	46,0	1150161
30.5L32	12	20	4.710	775	1.819	5.386	821	Tubeless Tire	27.00	42,86	1150172
30.5L32	14	22	4.985	775	1.819	5.386	821	Tubeless Tire	27.00	42,86	1150173

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-1

DYNA TORQUE III HD

Main applications: tractors, harvesters and implements for agroforestry services.

Characteristics

- Agroforestry Tire - HD (Heavy Duty).
- Two flotation plies and special tread compound.
- Exclusive design, with aligned short and long lugs in the shoulder area.

Benefits

- **GREATER TRACTIVITY**
Perfect power distribution in the tire center and shoulders, which translates into higher traction power, with a smaller slippage index.
- **RESISTANCE**
Tread special rubber compound, facilitates heat dissipation and offers resistance to pullouts.
- **SELF-CLEANING**
Excellent self-cleaning due to the wide, deep lugs.
- **DRIVABILITY**
Better stability and drivability due to vibration minimization.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
30.5L-32	16	26	5.540	775	1.819	5.386	821	TL	27.00	43	1150104
30.5L-32	14	22	4.985	775	1.819	5.386	821	Tubeless Tire	27.00	43	1150105

** Check: Guidelines about use of solid and liquid ballast.



R-1

SUPREME TFC

Main applications: Tractors, harvesters, implements and irrigation pivots.

Characteristics

- Lugs aligned at the shoulder and advancing towards the center line, at a 23° angle.
- Reinforced tread compound.
- Lug e shoulder designs promote a better load distribution.

Benefits

- **GREATER TRACTIVITY AND ECONOMY**
Perfect power distribution in the tire center and shoulder, translating into a bigger traction power with a smaller slippage index.
- Fuel consumption reduction
- **SELF-CLEANING**
Excellent self-cleaning and traction optimization.
- **DRIVABILITY**
Better drivability and comfort, eliminating vibrations
- **DAMAGE PROTECTION**
Tread compost designed with raw materials that provide better resistance to cuts and perforations.
- **GREATER LOAD SUPPORT**
Special bead to support heavier loads, especially in uneven terrain
- Optimization of load distribution on the lugs, avoiding irregular wear.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
8.00-18	12	56	1.000	205	865	2.514	45	8.00-18	5.50	17,5	1159300
14.9-24	6	20	1.510	378	1.265	3.778	178	14.9-24	13.00	36,5	1159200
18.4-34	10	26	2.990	467	1.657	4.943	379	18.4-34	16.00	38	1159111
12.4-24	6	24	1.200	315	1.159	3.481	114	12.4-24	11.00	35	1159210
18.4-30	10	26	2.815	467	1.552	4.660	337	18.4-30	16.00	38	1159101

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires



R-1

SUPER LAMEIRO

Main applications:
tractors, harvesters and implements

Characteristics

- Narrow lug width, ideal for spraying services.
- Projected to avoid harming plantation.

Benefits

- **EXCELLENT TRACTION AND EXTRA PROTECTION**
- Lug heads meet at the center of the tread, offering extra protection against damage.
- Good soil grip, that guarantees traction and maximum usage efficiency.
- **LESS HARM TO PLANTATION**
- Narrow width measurement, ideal for use in spraying services, that offers minimum damage to the plantation field.
- **SELF-CLEANING**
- Self-cleaning, efficient in agricultural operations, in general.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
12.4-38	6	24	1.480	315	1.514	4.523	165	12.4-38; 13.6-38	11.00	30	1150840
12.4-38	12	48	2.220	315	1.514	4.523	165	12.4-38; 13.6-38	11.00	30	1150900

** Check: Guidelines about use of solid and liquid ballast.



R-2

SPECIAL SURE GRIP

Main applications: tractors, harvesters and implements for flooded areas (rice culture)

Characteristics

- Design with open center, with high, curved lugs, with wide and extra deep grooves.

Benefits

- **EXCELLENT TRACTION AND SELF-CLEANING**
- Wide grooves and open lug design allow deep penetration in flooded areas, providing extra traction, excellent self-cleaning power and less slippage.
- **DURABILITY**
- Carcass with special compound that provides extra resistance against cuts and damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
VA500/95D32	185A5/179A8	60	9.500/7.750	498	1.839	5.486	520	Tubeless Tire	13.00	53,18	115420077*
DW500/95D32	169A5/162A8	25	5.800/4.750	498	1.839	5.486	520	Tubeless Tire	13.00	53,18	115420177*

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-2

SPECIAL SURE GRIP TD8

Main applications: tractors, harvesters and implements for flooded areas (rice culture)

Characteristics

- Design with open center, with high, curved lugs, with wide and extra deep grooves.

Benefits

EXCELLENT TRACTION AND SELF-CLEANING

- Wide grooves and open lug design allow deep penetration in flooded areas, providing extra traction, excellent self-cleaning power and less slippage.

DURABILITY

- Carcass with special compound that provides extra resistance against cuts and damage.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
28L-26	16	28	4.128	714	1.673	4.902	594	Tubeless Tire	25.00	72,23	115016577*
30.5L-32	14	22	4.985	775	1.879	5.486	821	Tubeless Tire	27.00	93,66	115042677*

* Upon request

** Check: Guidelines about use of solid and liquid ballast.



R-2

SUPER ARROZEIRO

Main applications: tractors, harvesters and implements for flooded areas (rice culture)

Characteristics

- Open center design with high and curved "Garras 7" and reinforcement on the tread center line.
- Wide and extra deep grooves.

Benefits

DURABILITY AND EXCELLENT TRACTION

- Provides greater grip, higher durability and excellent traction.
- Extra resistance to impacts, cuts and damage.

SELF-CLEANING AND PERFORMANCE

- High prong guarantees excellent self-cleaning and prevents residue buildup, providing extra traction and less slippage.

MORE SAFEETY WHEN DRIVING

- Maximum performance on high torque tractors and harvesters, especially on flooded soils.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
14.9-24	6	20	1.510	378	1.305	3.922	178	14.9-24	13.00	69,5	1150411
23.1-26	8	16	2.850	587	1.662	4.883	485	23.1-26	20.00	86,5	1150400
23.1-26	10	20	3.250	587	1.662	4.883	485	23.1-26	20.00	81	1150401

** Check: Guidelines about use of solid and liquid ballast.

Diagonal Tires



R-2

SUPER ARROZEIRO II

Main applications: tractors, harvesters and implements for flooded areas (rice culture)

Characteristics

- Open center design with high and curved “Garras 7” and reinforcement on the tread center line.
- Wide and extra deep grooves.

Benefits

- **DURABILITY AND EXCELLENT TRACTION**
- Provides greater grip, higher durability and excellent traction.
- Extra resistance to impacts, cuts and damage.
- **SELF-CLEANING AND PERFORMANCE**
- High prong guarantees excellent self-cleaning and prevents residue buildup, providing extra traction and less slippage.
- **MORE SAFEY WHEN DRIVING**
- Maximum performance on high torque tractors and harvesters, especially on flooded soils.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
14.9-28	8	26	1.880	378	1.406	4.242	201	14.9-28	13.00	69,5	1150415
16.9-30	12	34	2.780	429	1.529	4.565	276	16.9-30	15.00	74,5	1150417
18.4-26	10	26	2.645	467	1.498	4.394	299	Tubeless Tire	16.00	67,3	1150420
18.4-30	10	26	2.815	467	1.599	4.750	337	Tubeless Tire	16.00	78,6	1150413
18.4-34	12	32	3.375	467	1.701	5.029	379	18.4-34	16.00	78,5	1150414
20.8-38	10	22	3.480	528	1.886	5.588	530	Tubeless Tire	18.00	82,55	1150422
20.8-38	14	32	4.330	528	1.886	5.588	530	Tubeless Tire	18.00	82,55	1150423
20.8-42	14	32	4.125	528	1.988	5.918	560	20.8-42	18.00	78	1150425
23.1-30	12	24	3.845	587	1.764	4.953	541	Tubeless Tire	18.00	78,5	1150410
23.1-30	10	20	3.460	587	1.764	4.953	541	23.1-30	20.00	78,5	1150412
23.1-30	12	24	3.845	587	1.764	5.207	541	23.1-30	20.00	84,5	1150409
23.1-30	10	20	3.460	587	1.764	4.953	541	23.1-30	20.00	78,5	1159301
14.9-28	8	26	1.880	378	1.406	4.242	201	14.9-28	13.00	68	1159302
14.9-24	6	20	1.510	378	1.305	3.922	178	14.9-24	13.00	70,6	1159303
18.4-30	10	26	2.815	467	1.599	4.750	337	Tubeless Tire	16.00	78,6	1159304

** Check: Guidelines about use of solid and liquid ballast.



R-3

ALL WEATHER

Main applications: agricultural implements, trucks and bulk

Characteristics

- Blocked tread design, “diamond” type, with special high resistance compound.
- Reinforced side with large base.

Benefits

- **HIGH FLOTATION AND LESS SOIL COMPACTION**
- Bigger contact area between tire and soil.
- Diamond shaped designed lugs and wide base, that provide less soil compaction.
- **PROTECTION AGAINST DAMAGE AND RESISTANCE**
- Carcass with extra protection against damage, perforations and terrain irregularities.
- Reinforced side structure providing resistance to cuts, pullouts and perforations.
- Natural rubber based compound facilitates heat dissipation.



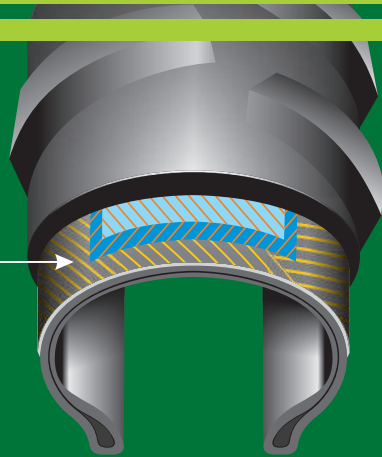
Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
23.1-26	18	52	6.700	587	1.581	4.394	485	Tubeless Tire	20.00	17,5	1153814
23.1-26	12	24	3.243	581	1.494	4.394	485	Tubeless Tire	20.00	17	1153812
23.1-30	12	24	3.450	587	1.682	5.023	541	23.1-30	20.00	28	1153810
24.5-32	12	24	4.000	620	1.712	5.057	643	24.5-32	21.00	25,4	1153811
18.4-26	12	32	2.985	485	1.415	4.165	299	Tubeless Tire	16.00	22,23	115021277

** Check: Guidelines about use of solid and liquid ballast.

Forestry Tires

Characteristics

- Robust Tire
- Very wide tread.
- Textile or steel reinforcement between carcass and tread.
- Design that guarantees traction for a better performance during high severity use.
- High load capacity, to withstand the needs of wood handling forestry tractors.



- Tire with a more reinforced structured than the rest, due to the high level of severity to which it is exposed.

The carcass, side and beads are highly reinforced, because they will also be in constant contact with severe services that may cause, cuts, spikes, tread pullouts and other damages to the tire.

Product warranty

The utmost confidence we place on our forestry tire line, allows us to guarantee our products for a 6-year period.

Types of Vehicles

forestry tractors



forwarder



harvester



feller buncher



Forestry Tires



LS-2

LOGGER LUG II

Main applications: forestry, for wood removal

Characteristics

- Tread design with open center and wide base, low angle traction lugs.
- Special rubber compound resistant to abrasion and tear.
- Steel strap located between the carcass and the tread, forms a shield against cuts and perforations.

Benefits

EXTRA PROTECTION

- Steel strap located between the carcass and the tread, forms a shield against cuts and perforations.

EXCELLENT TRACTION AND SELF-CLEANING

- Excellent traction with superior self-cleaning and fuel economy.

DAMAGE PROTECTION

- Extra protection of the carcass against cuts and perforations and lower cost per hour worked.

SAVINGS

- Compound with ideal balance for timber services, providing slow and regular wear even under high loads.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
24.5-32	16	30	5.000	622	1.831	5.436	643	Tubeless Tire	21.00	53,2	1154032
30.5-32	16	25	5.300	775	1.847	5.563	821	Tubeless Tire	27.00	55,5	1154124
30.5-32	20	30	6.000	775	1.847	5.563	821	Tubeless Tire	27.00	55,5	1154126

** Check: Guidelines about use of solid and liquid ballast.



LS-2

LOGGER LUG II HD

Main applications: forestry, for timber removal.

Characteristics

- Tread design with open center and wide base, low angle traction lugs.
- Special rubber compound resistant to abrasion and tear.
- Steel strap located between the carcass and the tread, forms a shield against cuts and perforations.

Benefits

EXTRA PROTECTION

- Steel strap located between the carcass and the tread, forms a shield against cuts and perforations.

EXCELLENT TRACTION AND SELF-CLEANING

- Excellent traction with superior self-cleaning and fuel economy.

DAMAGE PROTECTION

- Extra protection of the carcass against cuts and perforations and lower cost per hour worked.

SAVINGS

- Compound with ideal balance for timber services, providing slow and regular wear even under high loads.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
18.4-26	10	25	2.580	467	1.476	4.470	299	Tubeless Tire	16.00	39,7	1155136

** Check: Guidelines about use of solid and liquid ballast.



LS-2

LOGGER LUG III

Main applications: forestry, for wood removal.

Characteristics

- Tread design with open center and wide base, low angle traction lugs.
- Special rubber compound resistant to abrasion and tear.
- Steel strap located between the carcass and the tread, forms a shield against cuts and perforations.

Benefits

EXTRA PROTECTION

- Steel strap located between the carcass and the tread, forms a shield against cuts and perforations.

EXCELLENT TRACTION AND SELF-CLEANING

- Excellent traction with superior self-cleaning and fuel economy.

DAMAGE PROTECTION

- Extra protection of the carcass against cuts and perforations and lower cost per hour worked.

SAVINGS

- Compound with ideal balance for timber services, providing slow and regular wear even under high loads.



Size	Load and speed index	Air pressure (lb/sq. in)	Max Load (kg)	Width of Unladen Section Cargo (mm)	External Diameter (mm)	Bearing Circumference (mm)	Liquid Ballast** (Liters=kg)	Recommended Tube (Valve TR 15) Tubeless Tire (Valve TR 415)	Measuring Rim (in)	Groove Depth (mm)	Code
18.4-26	10	25	2.580	467	1.476	4.470	300	18.4-26	16	47,5	115392677
23.1-26	16	35	4.500	587	1.632	4.775	485	Tubeless Tire	20	50,8	115392877
24.5-32	16	30	5.000	622	1.831	5.436	643	24.5-32	21	53,2	115392977
DH35.5L-32	20	25	7.300	902	2.011	7.315	1.287	Tubeless Tire	31	59,53	115392477
DH35.5L-32	20	25	7.300	902	2.011	7.315	1.287	—	31	59,5	115392577

** Check: Guidelines about use of solid and liquid ballast.

Guidelines about solid and liquid ballast use

The traction, or traction force that a tire may exert, is proportional to the weight it carries. The heavier the weight on a tire, more traction force it exerts on the soil. This load must always respect the ratio between the internal air pressure and the weight per tire - every exerted load has a corresponding internal air pressure. This is determined by the ALAPA - Associação Latino-Americana de Pneus e Aros - tables.

The solution to guarantee traction and reduce slippage is to add weight to the tractor, in order to obtain a good weight x power ratio (check with the equipment manufacturer for more details). This weight is called ballast.

Ballast can be solid - metal weights placed on the wheels - or liquid, done by substituting part of the tire air volume, with water. Normally it is possible to use anti-freeze additives to stop the water from freezing in the tires, where external temperatures are very low. In tropical climate countries, only water is used as liquid ballast.

Whenever possible, solid ballast is recommended instead of liquid ballast. This is done by substituting the liquid ballast for the same amount of weight of solid ballast.

In cases where liquid ballast is inevitable, one may adopt the following procedure:

Average weight distribution - it is recommended to check with the equipment manufacturer



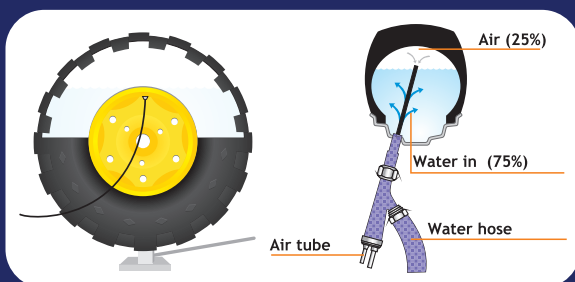
Tractor model	tractor axis	trawl equipment	semi assembled	assembled (3° point)
4x2	<i>Dianteiro</i>	25%	30%	35%
	<i>Traseiro</i>	75%	70%	65%



Tractor model	tractor axis	trawl equipment	semi assembled	assembled (3° point)
4x2 - MFWD	<i>Dianteiro</i>	35%	35%	40%
4x4	<i>Traseiro</i>	65%	65%	60%

Procedure for the use of liquid ballast

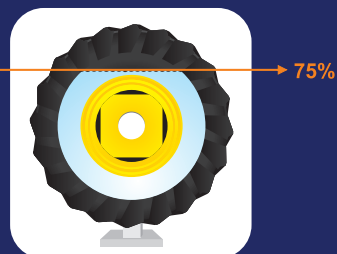
- Obey recommended procedures for tire assembly on the rim (ALAPA)
- Assemble your tractor according to recommended procedures (ALAPA)
- Ballast operation with water must be done with the wheel assembled on the tractor and lifted from the ground.
- Rotate the wheel until the valve stays in a position higher than 12:00 o'clock.
- Remove the valve nucleus.
- Fill the tire with water using a common hose attached to a specific adaptor for this procedure.
- When the filling reaches the valve level (75% of the tire), a leak will begin through the adaptor.
- Stop the operation and replace the valve nucleus.
- Inflate the tire with one or two lbs above the recommended pressure for the operation, with the valve still in the superior position.
- Turn the wheel until the valve reaches a position lower than 6 'o clock and replace it on the ground.
- Gauge the tire to the recommended pressure.
- Don't forget the valve lid.



Maximum recommended liquid

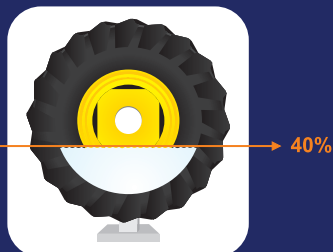
Diagonal tires

- Observe the limit of 75% of the tire volume, to avoid losing its flexion and shock absorbing properties.



Radial tires

- Only in special cases and with the manufacturer's recommendation, fill up to 40% of the tire volume.
- It is recommended, whenever possible, to substitute the liquid ballast for the equivalent in solid ballast weight.





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