

LOW SIDEWALL

(LSW) TECHNOLOGY

4WD TRACTORS, 2WD/MFWD TRACTORS, COMBINES, SPRAYERS, GRAIN CARTS



MADE BY TITAN



TITAN MOVES THE WORLD™

EXPERIENCE THE GOODYEAR® ADVANTAGE

WITH THE STABILITY OF OUR LOW SIDEWALL (LSW) TECHNOLOGY

Tractors and combines are faster and heavier than ever before, but to take full advantage of their capabilities, you need the right wheel and tire assembly. A conventional wheel/tire assembly with a 70 percent aspect ratio has a tendency to bounce during road transport and hop in the field when put in high-draw-bar applications. With LSW, those issues are eliminated.



WHAT IS LSW TECHNOLOGY?

Low Sidewall (LSW) technology features a larger rim diameter and smaller sidewall than a standard tire, while maintaining the same outside diameter, inflation pressures and weight load capacity. The larger rim and smaller sidewall of LSW provides much greater stability for equipment.

EXPERIENCE THE ... ▼

Speed

LSW helps reduce bouncing and road loping, which results in increased transport speeds between fields, keeping your operation productive and profitable.

Smooth ride

LSW provides a smoother ride both in the field and on the road. The smaller sidewall reduces recoil and bouncing that results in road lobe and power hop.

Stability

The increased rim diameter of LSW reduces machine sway, resulting in greater lateral stability on hillside conditions without the need to increase inflation pressures.

Safety

Less bounce and greater stability around curves results in improved operator comfort and safety.

Fuel economy

LSW reduces sidewall deflection, which helps increase the rolling circumference for improved fuel economy.

LOW SIDEWALL



STANDARD



PROBLEMS SOLVED

LSW TIRES SOLVE THE PROBLEMS CAUSED BY STANDARD TIRES

ROAD LOPE



ROAD LOPE

Definition: (n.), The bouncing and swaying of a tractor or combine during road transport, often caused by issues with the roundness of the tire, alignment of the assembly and the flexing of the sidewall.

Solution: LSW technology tires feature a shorter sidewall, which more quickly dampens bumps in the road, leading to less bouncing, quicker recovery time and reduced road lope.

POWER HOP



POWER HOP

Definition: (n.), The bouncing of a tractor associated with high-draw-bar applications; a problem caused by the tire gaining traction as the sidewall flexes and recoils, resulting in uncontrollable bouncing of the tractor.

Solution: LSW technology tires feature a shorter sidewall, resulting in less sidewall recoil, more stability and reduced power hop.

SOIL COMPACTION



SOIL COMPACTION

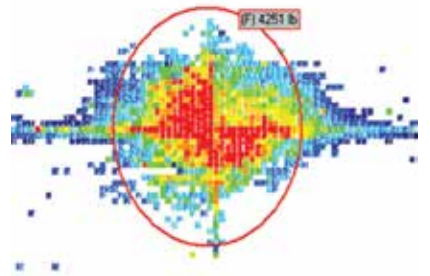
Definition: (n.), The result of soil particles being pressed together, often caused by the pressure of heavy field equipment. This can lead to undesirable effects on plant growth including smaller yields and lower quality.

Solution: LSW technology combined with Extreme Flotation™ size tires provides nearly 20 percent greater contact area, which reduces ground-bearing pressure and improves flotation, therefore reducing soil compaction.



“With the old tires, we dealt with turning problems and a rough ride. This setup is a much better ride with the air pressure. It’s made a big difference in the way the tractor operates.”

Gerald Foster
Tractor operator for Sackett Ranch
Stanton, Michigan



TESTED AND PROVEN ▲

University testing shows that the 20 percent increase in contact area of the LSW super singles at lower inflation pressures reduces soil compaction when compared to a traditional dual setup.

GET THE LSW ADVANTAGE FOR YOUR EQUIPMENT

4WD TRACTORS



High-horsepower tractors will experience less road lope, reduced power hop, improved transport speeds and smoother ride with LSW technology.

GOODYEAR OPTITRAC AND SUPER TRACTION RADIAL (STR)



- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning



GOODYEAR DT930



- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction

OPTITRAC AND SUPER TRACTION RADIAL (STR)

Size	Titan Part Number	Design	TL/TT	Load Rating	Inflation Pressure (psi)	Max Load (mph)	Max Load (lb)	Design Rim Width (in)	Tire Width (in)	Overall Diameter (in)	Static Loaded Radius (in)	Rolling Circ. (in)	Flat Plate Area (in ²)	Weight (lb)	Tread Depth 32nd (in)
LSW710/60R46	F24892	Optitrac	TL	178A8/B	41	30	16,500	25	28.2E	80.4E	36E	241E	490E	850	78
LSW800/55R46	GT37M8	Optitrac	TL	182D	41	40	18,700	28	30.5	81.5	36.7	239	688	902	77
LSW900/50R46	FT37W8	Optitrac	TL	185A8/B	41	30	20,400	30	32.5	81.9	36.3	243	879	1047	71

DT930

LSW1100/45R46	G8M716	DT930	TL	177A8/B	23	30	16,100	38	43.3	85	38.9	251	780	1274	77
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“We put these tires on our tractor and it changed itself immensely. It was almost like having a new tractor.”

Scott Petersen
Libertyville, Illinois



2WD/MFWD TRACTORS



Whether conducting pre-emergence field work or working in between the rows, Goodyear has LSW options that improve ride quality and turn radius, while reducing soil compaction, road lope and power hop in high-draw-bar applications.



GOODYEAR OPTITRAC AND SUPER TRACTION RADIAL (STR)

- Sizes for both front and rear positions
- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning



GOODYEAR DT930

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction
- Designed for rear position in combination with OPTITERRA



GOODYEAR OPTITERRA

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction
- Designed for front position in combination with DT930

OPTITRAC AND SUPER TRACTION RADIAL (STR)

Size	Titan Part Number	Design	TL/TT	Load Rating	Inflation Pressure (psi)	Max Load (mph)	Max Load (lb)	Design Rim Width (in)	Tire Width (in)	Overall Diameter (in)	Static Loaded Radius (in)	Rolling Circ. (in)	Flat Plate Area (in ²)	Weight (lb)	Tread Depth 32nd (in)
LSW710/60R30	FTR697	STR	TL	168A8/B	35	30	12,300	25	28.1E	63.5E	28E	190E	350E	560	78
LSW800/55R46	GT37M8	Optitrac	TL	182D	41	40	18,700	28	30.5	81.5	36.7	239	688	902	77
LSW900/50R46	FT37W8	Optitrac	TL	185A8/B	41	30	20,400	30	32.5	81.9	36.3	243	879	1047	71

DT930

LSW1100/45R46	G8M716	DT930	TL	177A8/B	23	30	16,100	38	43.3	85	38.9	251	780	1274	77
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OPTITERRA

LSW1000/40R32	GPT5F3	Optiterra	TL	172A8/B	41	30	13,900	36	40.9E	65.1E	30E	195E	694E	910	79
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GET THE LSW ADVANTAGE FOR YOUR EQUIPMENT

COMBINES AND GRAIN CARTS



Goodyear LSW tires reduce road lope and provide a smoother ride in the field. They're built to withstand the heavy loads minimizing soil compaction.



GOODYEAR OPTITRAC AND SUPER TRACTION RADIAL (STR)

- Sizes for both front and rear positions
- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning



GOODYEAR DT930

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction



GOODYEAR CUSTOM FLO GRIP

- Deep HF-4 tread designed for excellent flotation and traction in muddy conditions
- Sizes for both front and rear combine positions

OPTITRAC AND SUPER TRACTION RADIAL (STR)

Size	Titan Part Number	Design	TL/TT	Load Rating	Inflation Pressure (psi)	Max Load (mph)	Max Load (lb)	Design Rim Width (in)	Tire Width (in)	Overall Diameter (in)	Static Loaded Radius (in)	Rolling Circ. (in)	Flat Plate Area (in ²)	Weight (lb)	Tread Depth 32nd (in)
LSW710/60R30	FTR697	STR	TL	168A8/B	35	30	12,300	25	28.1E	63.5E	28E	190E	350E	560	78
LSW800/55R46	GHP9M8	Optitrac	TL	184A8	46	25	19,800	28	30.5	81.5	36.7	239	688	902	77
LSW900/50R46	FT37W8	Optitrac	TL	185A8/B	41	30	20,400	30	32.5	81.9	36.3	243	879	1047	71

DT930

LSW1100/45R46	G8M916	DT930	TL	189A8/B	46	30	22,700	38	43.3	85	38.9	251	780	1320	77
LSW1100/45R46	F8MC16	DT930	TL	190A8	35	25	23,400	38	43.3E	85E	38.9E	251E	900E	1360	77

CUSTOM FLO GRIP

LSW850/55R30	XFG5T4	Custom Flo Grip	TL	181A8/B	46	25	18,200	30	33.9	65.5	27.7	189	841	891	111
LSW1250/35R46	CFG4R6	Custom Flo Grip	TL	188A8/B	35	30	22,000	44	49.4E	83.1E	38.9	36.0E	242E	770E	76

SPRAYERS



As sprayer tanks continue to grow to sizes in excess of 1,300 gallons, newer technologies are becoming essential for carrying the load and reducing soil compaction. With LSW, growers don't have to make sacrifices in ride quality and stability.



GOODYEAR OPTITRAC

- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning



GOODYEAR OPTITERRA

- Extreme Flotation™ size offers superior flotation
- Lower inflation pressures and larger footprint result in reduced soil compaction
- For use on front position on spreaders

OPTITRAC AND SUPER TRACTION RADIAL (STR)

Size	Titan Part Number	Design	TL/TT	Load Rating	Inflation Pressure (psi)	Max Load (mph)	Max Load (lb)	Design Rim Width (in)	Tire Width (in)	Overall Diameter (in)	Static Loaded Radius (in)	Rolling Circ. (in)	Flat Plate Area (in ²)	Weight (lb)	Tread Depth 32nd (in)
LSW710/60R46	F24892	Optitrac	TL	178A8/B	41	30	16,500	25	28.2E	80.4E	36E	241E	490E	850	78
LSW800/55R46	GT37M8	Optitrac	TL	182D	41	40	18,700	28	30.5	81.5	36.7	239	688	902	77

OPTITERRA

LSW1000/40R32	GPT5F3	Optiterra	TL	172A8/B	41	30	13,900	36	40.9E	65.1E	30E	195E	694E	910	79
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THE GRIZZ SQUAD ▶ BOOTS ON THE GROUND

Our team of field techs spans the United States and Canada, helping growers gain better performance from their farm tires — **free of charge**.

We offer:

- Tire / wheel run-out evaluation and adjustment for smoother riding
- Assembly change-overs
- Performance evaluations
- Inflation / maintenance recommendations
- Site assessment / tire selection recommendations





NO TIRE WORKS WITHOUT THE WHEEL — THEY ARE A TOTAL SYSTEM

Titan is the only company with the ability to design, test and produce both wheels and tires for agriculture, construction, forestry and mining markets.



MADE BY TITAN



Low Sidewall Technology
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