

RALSON

TIRES TREAD NEW PATHS



NITROGEN CURING VERSUS HOT WATER CURING









The Ralson plant uses a nitrogen cure system instead of the hot water cure system deployed in many tire manufacturing facilities. The nitrogen cure system allows better control of the curing process which leads to greater tire uniformity. This means longer tire life and driver ride comfort for Ralson customers. The nitrogen process

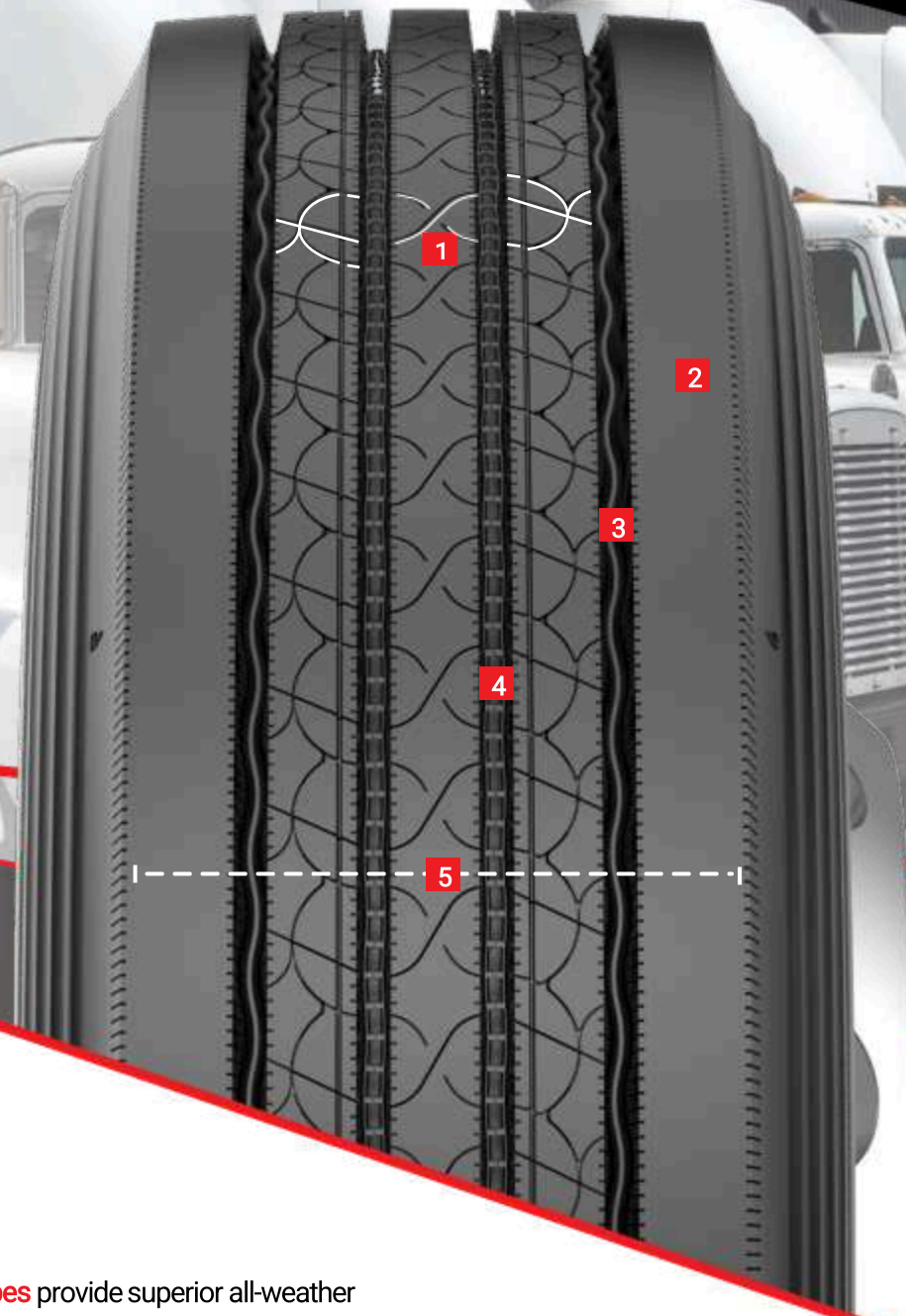
ENVIRONMENTAL STEWARDSHIP

Environmental protection and sustainability were key objectives when the Ralson plant was designed and constructed.

- Thousands of tree saplings were planted in and around the premises.
- All effluents are recycled.
- Rainwater is harvested, making the most out of Indian monsoons and steam; thereby reducing water consumption needs.
- A commitment to creating low rolling resistance tires reduces the carbon footprint.
- Durable, sturdy casings facilitate more retreading, resulting in less tire carcasses in landfill

APPLICATION GUIDE

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 TRACTOR [DAY CAB]	■	■	■				
 BULK TRUCK	■	■	■				
 CLOSED AXLE TRAILER	■				■	■	
 SPREAD AXLE TRAILER	■				■	■	
 STRAIGHT TRUCK	■	■	■				
 PICK-UP & DELIVERY TRUCK	■	■	■	■			
 WASTE HAUL							■
 CONSTRUCTION							■
225/70R19.5	14G				14G		
245/70R19.5	16H				16H		
255/70R22.5	16H						
295/75R22.5	16H	16H	16H		14G	14G	
315/80R22.5							20L
11R22.5	16H	16H	16H		14G	14G	16H
11R24.5	16H	16H	16H		14G		16H
285/75R24.5	14G	14G			14G		



RMR51

REGIONAL STEER / ALL POSITION



SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000491	225/70R19.5	14G	6.75	3970/110	3750/110	32.0	16	648	14.9	81	64	TL
10000471	245/70R19.5	16H	7.50	4938/120	4674/120	33.0	18	628	15.3	81	73	TL
10000331	11R22.5	16H	8.25	6610/120	6005/120	41.5	20	499	19.3	81	125	TL
10000371	11R24.5	16H	8.25	7160/120	6610/120	43.5	20	476	20.3	81	128	TL
10000451	255/70R22.5	16H	7.50	5510/120	5070/120	36.7	18	565	17.1	75	95	TL
10000291	295/75R22.5	16H	9.00	7160/120	6610/120	40.2	20	515	18.8	75	121	TL
10000411	285/75R24.5	14G	8.25	6175/110	5675/110	41.7	20	496	19.6	75	127	TL

- 1 - **Integrated Sipes** provide superior all-weather traction and cooler running for extended tread life.
- 2 - **Wider Shoulder Rib** effectively handles lateral forces and resists tearing for long tread and casing life.
- 3 - **Sinusoidal Shoulder Groove** promotes dependable traction, shoulder stability and low rolling resistance for uniform wear and fuel efficiency.
- 4 - **Optimized Groove Angle with Stone Ejector** enhances self-cleaning for long tread life and less downtime.
- 5 - **Balanced Rib Ratio** distributes pressure evenly for outstanding wear.



RDR52

DRIVE / CLOSED SHOULDER



SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000351	11R22.5	16H	8.25	6610/120	6005/120	42.1	28	493	19.6	81	133	TL
10000391	11R24.5	16H	8.25	7160/120	6610/120	44.1	28	470	20.6	81	137	TL
10000311	295/75R22.5	16H	9.00	7160/120	6610/120	40.7	28	509	19.0	75	130	TL
10000431	285/75R24.5	14G	8.25	6175/110	5675/110	42.2	28	490	19.8	75	133	TL

1 - 3D Matrix Sipes improve tread block stiffness for a stable footprint, even wear and long tread life.

2 - Stable Closed Shoulder effectively manages weight and torque for even wear.

3 - Integrated Blocks with Tie Bar enhance block rigidity for dependable traction and uniform wear.

4 - Optimized Groove Angle provides extraordinary self-cleaning action for improved tread and casing life.



RDR55

DRIVE / OPEN SHOULDER



SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000341	11R22.5	16H	8.25	6610/120	6005/120	41.9	26	495	19.5	81	131	TL
10000381	11R24.5	16H	8.25	7160/120	6610/120	43.9	26	472	20.5	81	135	TL
10000301	295/75R22.5	16H	9.00	7160/120	6610/120	40.6	26	511	18.9	75	127	TL

1 - Wider Open Shoulder resists tearing and dissipates heat for improved tread and casing life.

2 - Balanced Rib Ratio enhances driver control and comfort by evenly distributing pressure across the tread.

3 - 3D Matrix Sipes stiffen the tread blocks for even wear, long tread life and superior retreadability.

4 - Optimized Groove Angle provides excellent self-cleaning action for less downtime and longer tread wear.

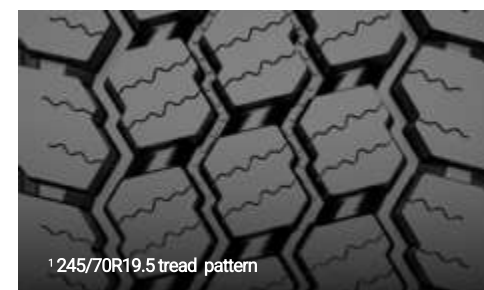


RDR65

DRIVE / OPEN SHOULDER



SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000481	225/70R19.5	14G	6.75	3970/110	3750/110	32.2	20	644	15.0	81	67	TL
10000461	245/70R19.5	16H	7.50	4938/120	4674/120	33.2	20	626	15.4	81	75	TL



- 1 - **3D Matrix Sipes** improve tread block robustness for a stable footprint, even wear, and long tread life.
- 2 - **Wider Open Shoulder** effectively handles turning side forces and resists tearing for extended tread life.
- 3 - **Optimized Groove Angle with Stone Ejector** enhances self-cleaning for long tread life and less downtime.
- 4 - **Balanced Rib Ratio** distributes pressure evenly for excellent handling and driving comfort.
- 5 - **Integrated Blocks with Tie Bar** enhance block rigidity for high traction and uniform wear.



RTR51

TRAILER

SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000601	11R22.5	14G	8.25	6175/105	5840/105	41.0	12	507	19.1	75	114	TL
10000611	11R24.5	14G	8.25	6610/105	6005/105	43.0	12	482	20.1	75	118	TL
10000281	295/75R22.5	14G	9.00	6175/110	5675/110	39.7	12	523	18.5	81	111	TL
10000441	285/75R24.5	14G	8.25	6175/110	5675/110	41.2	12	499	19.5	75	119	TL

1 - Full-depth Multi-dimensional Sipes counter irregular wear and rib tearing for higher mileage and even wear.

2 - Corrugated Cooling Fins effectively dissipate heat for long casing life.

3 - Chamfered Solid Shoulder counters lateral forces in high scrub applications for even shoulder wear.

4 - Balanced Rib Ratio distributes pressure evenly for long tread life.



RTR71

TRAILER - DEEP TREAD / SPREAD AXLE



SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000671	11R22.5	14G	8.25	6175/105	5840/105	41.3	16	500	19	75	119	TL
10000651	295/75R22.5	14G	9.00	6175/110	5675/110	39.9	16	516	19	81	116	TL

1 - **Corrugated Cooling Fins** ensure better heat dissipation for increased casing life.

2 - **Chamfered Solid Shoulder** counters lateral forces in high scrub applications for even shoulder wear.

3 - **Balanced Rib Ratio** evenly distributes pressure for high mileage and excellent driver comfort.

4 - **Wide 4-Belt Package** provides uniform ground contact for excellent impact absorption and casing retreadability.



RAC55

CONSTRUCTION / WASTE - ALL POSITION



SKU	TIRE SIZE	PLY RATING LOAD RANGE	RIM MEAS. [IN]	MAX TIRE LOAD / PRESSURE		OVERALL DIAMETER [IN]	TREAD DEPTH [32NDS]	REVS PER MILE	SLR [IN]	MAX SPEED [MPH]	WEIGHT [LBS]	TIRE TYPE
				SINGLE [LBS / PSI]	DUAL [LBS / PSI]							
10000501	315/80R22.5	20L	9.00	10200/130	9090/130	42.8	24	485	19.9	68	161	TL
10000621	11R22.5	16H	8.25	3000/120	6005/120	41.8	24	494	19	68	128	TL
10000631	11R24.5	16H	8.25	3250/120	6610/120	43.8	24	471	20	68	131	TL

1 - Open Shoulder Pattern with tie bar provides powerful traction and self-cleaning capability.

2 - Optimized Groove Angles with Stone Ejectors deliver less downtime by effectively eliminating stones from tread area.

3 - Chip / Cut Compound enhances tire life and improves casing integrity.

4 - Integrated Blocks with Tie Bar and Notches provide uniform wear for longer tread life and maximum durability.