

COMMERCIAL TRUCK TIRES

# ROADMASTER PRODUCT MANUAL



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**NORTH  
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**ROADMASTER TIRES™**

ENGINEERED BY **COOPERTIRES**

MARCH 2020

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**COMPETITIVE COMPARISON**

Roadmaster	<b>RM832™</b> <small>EM</small> ™*	<b>RM234™</b> <small>EM</small> ™*	<b>RM185™</b> *	<b>RM830™</b> <small>EM</small> ™*	<b>RM170+™</b>	<b>RM230 HH™</b> <b>RM230 HH+™</b>	<b>RM230 WH™</b>	<b>RM230 WB™</b> <b>RM332 WB™</b>
Michelin	X Line Energy Z*	XZE2	X Multi Energy Z*	X Line Energy Z Coach	XZE	X Works Z	XZUS2	XZY3
Yokohama	101ZL Spec -2*	108R*	RY023*	104ZR Spec-2*	104ZR	MY507	MY627W Spec-2	MY507A
Firestone	FS591*	FS561	FS560 Plus	-	FS561	T820	FS860	FS818
Hankook	AL21*	AH24*	AH37*	AL22	AH35	AM06	AM09+	AM15
Bridgestone	R284 Ecopia*	R268 Ecopia*	R268 Ecopia*	-	R238	M853	M870	M854
Goodyear	Endurance LHS*	Endurance RSA	Fuel Max RSA*	G291	Endurance RSA	G751 MSA	Endurance WHA	G296

\*SmartWay Verified.



# RM832<sup>EM</sup>



**SmartWay<sup>®</sup>  
VERIFIED**

**LONG HAUL  
STEER  
SMARTWAY VERIFIED**

The RM832<sup>EM</sup> is Roadmaster's newest SmartWay verified addition designed for the steer position in long haul and on-highway applications. Combining an innovative tread design with advanced compounding and a high tensile four-belt casing construction, the RM832<sup>EM</sup> is designed to provide long miles to removal while minimizing fuel costs and providing the retreadability your fleet requires.

**2ND GENERATION ENERGY MAX  
FUEL EFFICIENT COMPOUND**

The tire's tread design coupled with our next generation rubber compounding provides low rolling resistance that is among the industry leaders, helping to keep fuel costs low, and earning SmartWay verification.

**DECOUPLING GROOVES**

Resist uneven shoulder wear in long haul applications.

**STONE PROTECTOR LEDGES**

Ledges in center grooves resist stone penetrations, thereby preserving the casing for retread.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi / kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch / mm	Section Width inch / mm	Static Loaded Radius in./mm	Dual Spc. inch / mm	REVs miles / kilo	Tread Depth 32nds mm	Buff Rad. inch / mm	Buff Width inch / mm	Ship Wt. lbs. / kg	UPC
90000036482	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.0) 8.25-9.0	110	6,175	5,675	40.20	11.3	18.78	13.2	516	18.0	26	9.3	114	029142937852
			760	2,800	2,575	1,021	287	477	335	320	14.4	660	235	51.8	
90000036483	295/75R22.5 H/16 149/146L 75 mph 120 km/h	(9.0) 8.25-9.0	125	7,160	6,610	40.20	11.3	18.78	13.2	516	18.0	26	9.3	116	029142937869
			850	3,250	3,000	1,021	287	477	335	320	14.4	660	235	52.6	
90000036480	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.5-8.25	105	6,175	5,840	41.69	11.1	19.41	12.5	497	18.0	26	9.3	117	029142937838
			720	2,800	2,650	1,059	281	493	318	309	14.4	660	235	53.2	
90000036481	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.5-8.25	120	6,610	6,005	41.73	11.1	19.41	12.5	497	18.0	26	9.3	119	029142937845
			830	3,000	2,725	1,060	283	493	318	309	14.4	660	235	54.1	
90000036486	285/75R24.5 H/16 147/144L 75 mph 120 km/h	(8.25) 7.5-9.0	120	6,780	6,175	41.38	10.9	19.41	12.5	501	18.0	26	9.3	120	029142937890
			830	3,075	2,800	1,051	278	493	318	311	14.4	660	235	54.5	
90000036484	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.5-8.25	105	6,610	6,005	43.70	11.1	20.39	12.5	474	18.0	26	9.3	126	029142937876
			720	3,000	2,725	1,110	281	518	318	295	14.4	660	235	57.3	
90000036485	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.5-8.25	120	7,160	6,610	43.74	11.0	20.43	12.5	474	18.0	26	9.3	128	029142937883
			830	3,250	3,000	1,111	280	519	318	295	14.4	660	235	58.2	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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# RM234<sup>EM</sup>



**REGIONAL HAUL  
ALL-POSITION  
SMARTWAY VERIFIED**

The RM234™ is now SmartWay verified. This is still a regional all position tire for high scrub applications with deep tread grooves and an advanced tread compound providing excellent treadwear and cut and chip resistance.

**EM ENERGY MAX FUEL EFFICIENT COMPOUND**

The tire's tread design and rubber compounding provides low tire rolling resistance and contributes to fuel efficiency, earning SmartWay verification.

**HIGH SCRUB TREAD COMPOUND**

Advanced tread compound developed to increase treadwear and provide solid protection against cutting and chipping.

**DEEP TREAD DEPTH**

22.5/32" tread depth provides extended mileage in high scrub applications.

**STONE EJECTORS**

Stone ejectors in the tread grooves protect the casing from stone penetrations.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000026379	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	40.39 1,026	11.1 283	18.86 479	13.2 335	513 319	22.5 18.0	30 762	8.9 225	113 51.3	029142849278
90000029726	295/75R22.5 H/16 149/146L 75 mph 120 km/h	(9.00) 8.25-9.00	125 850	7,160 3,250	6,610 3,000	40.39 1,026	11.1 283	18.86 479	13.2 335	513 319	22.5 18.0	30 762	8.9 225	115 52.1	029142893233
90000026378	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	41.65 1,058	11.3 286	19.41 493	12.5 318	498 309	22.5 18.0	26 660	8.9 225	118 53.6	029142849261
90000026377	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.69 1,059	11.3 286	19.41 493	12.5 318	497 309	22.5 18.0	26 660	8.9 225	122 55.4	029142849254
90000026502	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110 760	6,175 2,800	5,675 2,575	41.69 1,059	10.8 274	19.57 497	12.5 318	497 309	22.5 18.0	30 762	8.9 225	118 53.7	029142850007
90000026501	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,610 3,000	6,005 2,725	43.58 1,107	11.1 281	20.35 517	12.5 318	476 296	22.5 18.0	26 660	8.9 225	129 58.4	029142849292
90000026500	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.58 1,107	11.1 281	20.35 517	12.5 318	476 296	22.5 18.0	26 660	8.9 225	129 58.4	029142849285

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM185™



**REGIONAL HAUL  
PICK-UP AND DELIVERY  
ALL-POSITION  
SMARTWAY VERIFIED**

The RM185™ is a regional all-position tire that is SmartWay verified for steer axle applications. The solid shoulder tread design and high tensile strength four-belt construction combine to provide the retreadability, treadwear and fuel efficiency to meet your fleet's requirements.

**SMARTWAY VERIFIED  
LOW ROLLING RESISTANCE TIRE**

Tire design and rubber compounding provide low tire rolling resistance and contribute to fuel efficiency.

**ROBUST ALL-POSITION TREAD PATTERN**

18 / 32" tread depth combined with solid shoulder ribs make this tire ideally suited for regional haul and pick-up and delivery service.

**MICRO SIPES ON GROOVES EDGES**

Provide enhanced traction in wet road conditions and resists "river wear."

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007235	97853	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	40.08 1,018	11.2 285	18.74 476	13.2 335	517 321	18.0 460	26 222	8.7 48.6	107	029142676614
90000007230	92034	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	41.38 1,051	11.2 284	19.29 490	12.5 318	501 311	18.0 460	24 216	8.5 50.7	111	029142648932
90000007229	92036	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.38 1,051	11.2 284	19.29 490	12.5 318	501 311	18.0 460	24 216	8.5 51.5	113	029142648949
90000007233	92045	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110 760	6,175 2,800	5,675 2,575	41.50 1,054	10.7 272	19.49 495	12.5 318	500 310	18.0 460	26 213	8.4 51.7	114	029142648987
90000007232	92054	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,610 3,000	6,005 2,725	43.43 1,103	11.0 279	20.28 515	12.5 318	477 297	18.0 460	22 559	8.7 222	120	029142648956
90000007231	92056	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.43 1,103	11.0 280	20.28 515	12.5 318	477 297	18.0 460	22 222	8.7 55.3	122	029142648963

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM830



## REGIONAL AND HIGHWAY HAULER ALL-POSITION

The RM830  is a regional all-position tire that is SmartWay verified. The optimized footprint coupled with the five-rib tread design help to deliver long, even wear, while the high tensile strength four-belt package helps to deliver the durability and retreadability fleets require.

### ENERGY MAX FUEL EFFICIENT COMPOUND

The tire's tread design and rubber compounding provides low tire rolling resistance and contributes to fuel efficiency, earning SmartWay verification.

### 5-RIB TREAD DESIGN

Chevron-shaped ribs provide a good mix of even wear and traction.

### RADIAL SIPING

Radial siping enhances wet traction and braking.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000036217	315/80R22.5 L/20 157/154L 75 mph 120 km/h	(9.00) 9.00-9.75	130 900	9,090 4,125	8,270 3,750	42.20 1,072	12.3 312	19.61 498	13.8 351	491 305	18.0 457	26 660	9.5 241	130 59.2	029142936077

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM170+™



**ROADMASTER TIRES™**  
ENGINEERED BY COOPERTIRES

## PICK-UP AND DELIVERY ALL-POSITION

The RM170+™ is a pick-up and delivery all-position tire offering improved handling, wear, and an increased speed rating (225/70R19.5 F&G, 245/70R19.5 G) over that of its predecessor, the RM170™. The solid shoulder and high tensile strength belt construction combine to provide the retreadability and treadwear that local P&D haulers require.

### N (87MPH) SPEED RATING

225/70R19.5 and 245/70R19.5 LR G sizes offer N speed rating.

### V-SHAPED TREAD GROOVES

Groove shape works to reduce stone retention.

### WIDE TREAD AND OPTIMIZED FOOTPRINT

Delivers long, even treadwear.

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000039342	225/70R19.5 F/12 125/123N 87 mph 140 km/h	(6.75) 6.00-6.00	95 660	3,640 1,650	3,415 1,550	32.05 814	9.00 228	14.92 379	10.0 254	647 402	15.0 11.9	28 711	7.6 193	62 28.0	029142957232
90000039343	225/70R19.5 G/14 128/126N 87 mph 140 km/h	(6.75) 6.00-6.75	110 760	3,970 1,800	3,750 1,700	32.05 814	9.00 228	14.92 379	10.0 254	647 402	15.0 11.9	28 711	7.6 193	62 28.0	029142957249
90000039345	245/70R19.5 G/14 133/131N 87 mph 140 km/h	(7.50) 6.75-7.50	110 760	4,540 2,060	4,300 1,950	33.11 841	9.90 251	15.35 390	11.0 279	626 389	16.0 12.7	26 660	8.4 213	71 32.2	029142957263
90000039344	245/70R19.5 H/16 136/134M 81 mph 130 km/h	(7.50) 6.75-7.50	120 825	4,940 2,240	4,675 2,120	33.11 841	9.90 251	15.35 390	11.0 279	626 389	16.0 12.7	26 660	8.4 213	71 32.2	029142957256
90000039346	265/70R19.5 G/14 137/134L 75 mph 120 km/h	(7.50) 7.50-8.25	110 760	5,070 2,300	4,675 2,120	34.37 873	10.30 261	15.87 403	11.6 295	603 375	17.5 13.8	30 762	8.6 219	81 37.0	029142957270
90000039350	285/70R19.5 H/16 146/144L 75 mph 120 km/h	(8.25) 7.50-9.00	125 850	6,610 3,000	6,170 2,800	35.20 894	10.90 277	16.22 412	12.5 318	589 366	17.5 13.8	30 762	9.0 229	88 40.0	029142957300
90000039347	10R22.5 G/14 141/139L 75 mph 120 km/h	(7.50) 6.75-8.25	115 790	5,675 2,575	5,355 2,430	40.31 1024	10.10 257	18.82 478	11.4 290	514 320	18.0 14.5	24 610	7.9 200	101 45.9	029142957287

**This new line will replace the RM170 in May 2020.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM230 HH™



## ON/OFF-ROAD ALL-POSITION

The RM230HH™ is an on/off-road all-position tire designed to handle heavy hauling. The robust tread pattern, tread compounding and high tensile strength four-belt package combine to provide the retreadability, treadwear, and cut and chip resistance that your fleets require.

### CUT AND CHIP RESISTANT TREAD COMPOUND

The cut and chip resistant tread compounding is specifically designed to perform in mixed service applications.

### STONE PROTECTOR LEDGE

Stone protector ledges on all grooves resist stone penetrations.

### CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

### DEEP TREAD DEPTH

22.5/32" tread depth provides extended tread life in on/off-road applications.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed				(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spc. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000024676	n/a	275/70R22.5	J/18	148/145K	68 mph 110 km/h	(8.25) 7.50-8.25	130 900	6,940 3,150	6,395 2,900	38.27 972	11.0 279	17.76 451	12.2 311	542 337	22.0 17.5	26 660	8.95 227	115 52.1	029142837602
90000007239	93336	11R22.5	H/16	146/143K	68 mph 110 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.61 1,057	11.3 286	19.37 492	12.5 318	498 310	22.5 18.0	26 660	9.0 229	122 55.4	029142663843
90000007238	93322	12R22.5	H/16	150/147K	68 mph 110 km/h	(9.00) 8.25-9.00	120 830	7,390 3,350	6,780 3,075	42.83 1,088	12.0 305	19.88 505	13.5 343	484 301	22.5 18.0	26 660	9.6 244	140 63.8	029142692850
90000007243	93356	11R24.5	H/16	149/146K	68 mph 110 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.66 1,109	11.0 279	20.39 518	12.5 318	475 295	22.5 18.0	26 660	9.0 229	130 59.3	029142663850
90000007242	93324	12R24.5	H/16	152/149K	68 mph 110 km/h	(9.00) 8.25-9.00	120 830	7,830 3,550	7,160 3,250	45.00 1,143	11.9 301	20.98 533	13.5 343	461 286	22.5 18.0	26 660	9.6 244	151 68.5	029142692867

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM230 WH™



## ON/OFF-ROAD ALL-POSITION

The RM230 WH™ is designed for waste hauling fleets in urban environments. The high wear-resistant compound, tread pattern and high tensile strength four-belt package combine to provide the enhanced treadwear, retreadability and sidewall protection that is essential to every waste hauler.

### ADVANCED TREAD WIDTH AND TREAD DEPTH

The advanced tread width and tread depth provides extended mileage in waste hauling applications.

### HIGH-WEAR RESISTANT COMPOUND

Unique tread compound was specifically designed for waste haul fleets.

### STONE PROTECTOR LEDGE

The stone protector ledge in the center groove resists stone penetrations, thereby preserving the casing for retread.

### 24/32" DEEP TREAD DEPTH

Provides extended tread life in severe, high-scrub applications.

### 315/80R22.5 WITH 10,000 LBS. LOAD CAPACITY

A robust tire construction provides the load carrying capacity for trucks with 20,000 pound steer axles.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcng. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000025755	315/80R22.5 L/20 160/157K 68 mph 110 km/h	(9.00) 9.00-9.75	130 900	10,000 4,540	9,090 4,125	43.03 1,093	12.6 321	19.96 507	13.8 351	482 299	24.0 19.0	28 711	10.7 271	165 75.2	029142840527

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM230 HH+™



## HEAVY HAULER ALL-POSITION

The RM230 HH+™ was designed for heavy hauling in urban environments. The tread compounding, tread pattern and high tensile strength four-belt package combine to provide the retreadability, treadwear and sidewall protection that is essential to every heavy hauling fleet for high-scrub applications.

### HIGH WEAR-RESISTANT TREAD COMPOUND

Unique tread compound was specifically designed for fleets in heavy hauling applications.

### 23/32" DEEP TREAD DEPTH

Provides extended tread life in high-scrub applications.

### STONE PROTECTOR LEDGE

Stone protector ledges on all grooves resist stone penetrations, thereby extending the casing durability.

### CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

### 315/80R22.5 WITH 10,000 LBS LOAD CAPACITY

A robust tire construction provides the load carrying capacity for high load steer axles.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000022527	315/80R22.5 L/20 160/154J 62 mph 100 km/h	(9.00) 9.00-9.75	130 900	10,000 4,540	8,270 3,750	42.80 1,087	12.4 316	19.88 505	13.8 351	484 301	22.5 18.0	28 711	10.0 254	148 67.2	029142816003

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



Visit [cooperworld.net](http://cooperworld.net) for up-to-date spec information.

# RM230 WB™



**WIDE BASE  
ON/OFF-ROAD  
ALL-POSITION**

The RM230 WB™ is a heavy duty, wide base tire. The tread pattern is specially designed for mixed service conditions. The tread compound and heavy-duty belt construction will deliver the performance and durability your fleet requires.

**M+S Rated**

**AGGRESSIVE ALL-POSITION TREAD DESIGN**

The aggressive tread pattern has biting edges to handle harsh rock and gravel terrain and provides excellent all-position traction and handling for on and off-road applications.

**CUT AND CHIP RESISTANT TREAD COMPOUND**

The cut and chip resistant tread compounding is specifically designed to perform in mixed service applications.

**HEAVY-DUTY 4-BELT CONSTRUCTION**

Four heavy-duty steel belts enable hauling heavy loads.

**STONE EJECTORS**

Stone ejectors in the tread grooves protect the casing from stone penetrations.

**CURB BAR WITH SIDEWALL DEPTH INDICATOR**

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007244	93438	385/65R22.5 L/20 160K 68 mph 110 km/h	(11.75) 11.75-12.25	130	9,920	---	42.36	15.3	19.61	---	489	22.5	46	12.2	175	029142663683
				900	4,500	---	1,076	389	498	---	304	18.0	1,168	311	79.7	
90000007245	93442	425/65R22.5 L/20 165K 68 mph 110 km/h	(12.25) 12.25-14.00	120	11,400	---	44.49	16.8	20.47	---	466	22.5	48	13.5	199	029142663690
				830	5,150	---	1,130	426	520	---	290	18.0	1,219	343	90.4	

**This product cannot be used in dual applications.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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# RM332 WB™



**ON / OFF ROAD  
ALL-POSITION  
WIDE BASE**

The RM332 WB™ is a heavy-duty, wide base tire designed for the steer axle in mixed service applications. The rib-type tread pattern was specially designed to withstand the rigors of on/off-road, heavy haul driving while also providing great tread life and even wear. Through its specially formulated tread compound and heavy-duty four belt construction, this tire will deliver the performance and durability that fleets demand.

**23/32" DEEP TREAD DEPTH**

23/32" tread depth provides extended tread life in severe, high-scrub applications.

**RIB-TYPE TREAD DESIGN FOR STEER AXLES**

The rib-type tread pattern promotes great tread life and even wear in mixed service applications.

**CUT AND CHIP RESISTANT TREAD COMPOUND**

The cut and chip resistant compound was specially formulated to meet the performance requirements in mixed service applications.

**FOUR HEAVY-DUTY, FULL-WIDTH STEEL BELT CONSTRUCTION**

Four heavy-duty, full-width steel belts promote durability in heavy-haul fleets while also preserving the casing for retread.

**STONE PROTECTOR LEDGES**

The stone protector ledges in all four circumferential grooves help resist stone penetrations, thereby preserving the casing for retread.

**CURB BAR ON SIDEWALLS**

The curb bar on both sidewalls protects the tire from curbing damage thus helping to preserve the casing for retread.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000022869	385/65R22.5 L/20 160K 68 mph 110 km/h	(11.75) 11.75-12.25	130	9,920	---	42.36	15.2	19.61	---	489	23.0	46	12.2	177	029142818700
			900	4,500	---	1,076	387	498	---	304	18.1	1,168	311	80.3	
90000022900	425/65R22.5 L/20 165K 68 mph 110 km/h	(12.25) 12.25-14.00	120	11,400	---	44.53	16.6	20.51	---	466	23.0	46	13.5	198	029142818717
			830	5,150	---	1,131	422	521	---	289	18.1	1,168	343	90.0	

**This product cannot be used in dual applications.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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# RM852 <sup>EM</sup>



## LONG HAUL / HIGHWAY SMARTWAY VERIFIED DRIVE

The 3-D micro-gauge siping along with the solid shoulder design offers improved traction in challenging weather conditions. The tread lugs are uniquely designed to resist squirm and promote even wear along with an advanced tread compound that helps lower your fleet's operating expenses.

**M+S Rated**

### <sup>EM</sup> ENERGY MAX FUEL EFFICIENT COMPOUND

The tire's tread design and rubber compounding provides low tire rolling resistance and contributes to fuel efficiency, earning SmartWay verification.

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

### SOLID SHOULDER DRIVE TIRE

Solid shoulder ribs provide even wear in long haul application, while the lugs provide traction in wet and snow.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spc. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000030098	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110	6,175	5,675	40.94	11.4	19.09	13.2	506	30.0	28	9.6	130	029142896159
			760	2,800	2,575	1,040	289	485	335	315	23.6	711	245	58.9	
90000030093	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105	6,175	5,840	42.13	11.5	19.61	12.5	492	30.0	26	9.8	134	029142896104
			720	2,800	2,650	1,070	292	498	318	306	23.6	660	248	60.8	
90000030094	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120	6,610	6,005	42.17	11.5	19.61	12.5	492	30.0	26	9.8	136	029142896111
			830	3,000	2,725	1,071	293	498	318	306	23.6	660	248	61.6	
90000030097	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110	6,175	5,675	42.20	10.7	19.76	12.5	491	30.0	28	9.5	135	029142896142
			760	2,800	2,575	1,072	273	502	318	305	23.6	711	241	61.4	
90000030096	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105	6,610	6,005	44.13	11.3	20.59	12.5	470	30.0	26	9.8	143	029142896135
			720	3,000	2,725	1,121	287	523	318	292	23.6	660	248	65.1	
90000030095	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120	7,160	6,610	44.13	11.4	20.59	12.5	470	30.0	26	9.8	145	029142896128
			830	3,250	3,000	1,121	289	523	318	292	23.6	660	248	66.0	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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# RM275™



## LONG HAUL / HIGHWAY AND REGIONAL DRIVE

The RM275™ is a long haul drive tire. The solid shoulder traction design and high tensile strength four-belt package combine to provide the retreadability, treadwear and traction to meet your fleet's requirements.

**M+S Rated**

### SOLID SHOULDER DRIVE TIRE

Solid shoulder ribs provide even wear in long haul application, while the lugs provide traction in wet and snow.

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch/mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007286	97953	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	40.63 1,032	11.1 281	18.94 481	13.2 335	510 317	26.5 21.2	26 660	8.7 222	114 51.8	029142676621
90000007281	92134	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	41.93 1,065	11.0 279	19.49 495	12.5 318	494 307	26.5 21.2	22 559	8.9 225	123 56.0	029142648994
90000007282	92136	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	42.05 1,068	11.0 279	19.57 497	12.5 318	493 306	26.5 21.2	22 559	8.9 225	125 56.8	029142649007
90000007285	92145	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110 760	6,175 2,800	5,675 2,575	41.85 1,063	10.7 273	19.61 498	12.5 318	495 308	26.5 21.2	22 559	8.9 225	118 53.5	029142649045
90000007284	92154	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,610 3,000	6,005 2,725	44.02 1,118	10.8 275	20.55 522	12.5 318	471 293	26.5 21.2	24 610	8.6 219	132 59.9	029142649014
90000007283	92156	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	44.06 1,119	10.8 274	20.55 522	12.5 318	471 292	26.5 21.2	24 610	8.6 219	134 60.8	029142649021

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM254™



## REGIONAL PICK-UP AND DELIVERY DRIVE

The RM254™ is a regional traction tire. Whether on a beverage truck or delivery truck, this tire will provide the traction and treadwear required for frequent stopping and accelerating. The advanced tread compound and high tensile strength four-belt package combine to provide the retreadability, treadwear, and traction to meet your fleet's expectations.

**M+S Rated**

### AGGRESSIVE TRACTION TREAD PATTERN

Provides superior performance in all types of conditions.

### ROBUST TIE-BARS

Provide support and to resist cracking, tearing and heel-toe wear.

### STONE PROTECTOR LEDGE

Stone protector ledges on lugs resist stone penetrations.

### CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

### CUT AND CHIP RESISTANT TREAD COMPOUND

The cut and chip resistant tread compounding used for the load range H sizes was specifically designed to perform for mixed service applications.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spc. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007271	71053	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	40.79 1,036	11.1 281	19.02 483	13.2 335	508 316	26.0 20.7	28 711	9.0 229	116 52.9	029142731993
90000007269	71034	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	41.89 1,064	11.2 285	19.49 495	12.5 318	495 308	26.0 20.7	26 660	8.6 218	119 54.1	029142731955
90000007270	71036	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.97 1,066	11.3 288	19.53 496	12.5 318	494 307	26.0 20.7	26 660	8.6 218	121 55.0	029142731962
90000007274	71045	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110 760	6,175 2,800	5,675 2,575	41.89 1,064	10.8 274	19.65 499	12.5 318	495 308	26.0 20.7	28 711	9.0 229	122 55.3	029142732006
90000007272	71054	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,610 3,000	6,005 2,725	43.90 1,115	11.1 281	20.51 521	12.5 318	472 293	26.0 20.7	26 660	8.6 218	127 57.9	029142731979
90000007273	71056	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.94 1,116	11.1 281	20.51 521	12.5 318	472 293	26.0 20.7	26 660	8.6 218	131 59.3	029142731986

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM258 WD™



## REGIONAL DRIVE

The RM258 WD™ is an open shoulder regional drive tire, designed for superior performance in severe winter conditions. Full depth 3D siping, chevron grooves, and shoulder notches provide the traction needed for enhanced performance in adverse weather conditions. The severe weather rated, Three-Peak Mountain Snowflake certified tire also includes a high tensile four-belt construction and stone ejectors to provide the durability that fleets require.



**M+S Rated**

### FULL DEPTH 3D SIPING

3D corrugations on the sipes help to lock the tread blocks together to maintain stability for traction.

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

### CHEVRON GROOVES

Provide more biting edges for enhanced traction.

### OPTIMIZED SHOULDER DESIGN

Notches in shoulder lugs provide added traction while tie-bars are designed to prevent heel-toe wear.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed				(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000036471	11R22.5	H/16	146/143L	75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.81 1,062	11.20 284	19.45 494	12.5 318	496 308	26.0 711	28 711	9.8 248	122 55.2	029142938378
90000036472	11R24.5	H/16	149/146L	75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.82 1,113	11.20 284	20.47 520	12.5 318	473 294	26.0 711	28 711	9.8 248	135 61.2	029142938385

**This new product line will be introduced in June 2020.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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# RM257™



## REGIONAL PICK-UP AND DELIVERY DRIVE

The RM257™ is Roadmaster's open shoulder pick-up and delivery drive tire designed to perform in all weather conditions. 3D siping, shoulder pockets, and chevron grooves all combine to provide this tire with Three-Peak Mountain Snowflake certification for operation in severe weather. The tightly packed center tread blocks and high tensile strength belt construction provide long even wear and the retreadability required by local P&D haulers.



**M+S Rated**

### N (87MPH) SPEED RATING

225/70R19.5 and 245/70R19.5 LR G sizes offer N speed rating.

### CURB BAR

Protects the sidewall from scuffing damage.

### 3D SIPING

3D corrugations on the sipes help to lock the tread blocks together to maintain stability for traction.

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spc. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000036421	225/70R19.5 F/12 125/123N 87 mph 140 km/h	(6.75) 6.00-6.00	95	3,640	3,415	32.24	9.06	15.00	10.0	643	18.0	18	7.2	65	029142937913
			660	1,650	1,550	819	230	381	254	400	14.3	457	184	29.3	
90000036422	225/70R19.5 G/14 128/126N 87 mph 140 km/h	(6.75) 6.00-6.00	110	3,970	3,750	32.24	9.06	15.00	10.0	643	18.0	18	7.2	65	029142937920
			760	1,800	1,700	819	230	381	254	400	14.3	457	184	29.3	
90000036423	245/70R19.5 G/14 133/131N 87 mph 140 km/h	(7.50) 6.75-7.50	110	4,540	4,300	33.27	9.80	15.43	11.0	623	19.0	22	8.0	72	029142937937
			760	2,060	1,950	845	250	392	279	387	15.2	559	203	32.7	
90000036424	245/70R19.5 H/16 136/134M 81 mph 130 km/h	(7.50) 6.75-7.50	120	4,940	4,675	33.27	9.80	15.43	10.6	623	19.0	22	8.0	72	029142937944
			825	2,240	2,120	845	250	392	270	387	15.2	559	203	32.7	

**This new line will replace the RM253 starting in July 2020.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM253™



## REGIONAL PICK-UP AND DELIVERY DRIVE

The RM253™ features isle siping on the lugs to maximize traction in all types of weather conditions. The aggressive geometric groove base is designed to prevent stone retention and promote self cleaning ability. An all-purpose tread and base compound is specifically formulated for regional pick-up and delivery applications to enhance overall performance.

ASYMMETRIC  
DRAFT GROOVE WALL

**M+S Rated**

### MODERN TRACTION TREAD PATTERN

Tread pattern with an attractive modern appearance providing excellent all-season tire performance (M+S rating). The RM253™ complements the RM170™ in the steer position.

### STONE PROTECTOR LEDGE

Stone protector ledges on lugs resist stone penetrations.

### ASYMMETRIC DRAFT GROOVE WALLS

Promotes self-cleaning and to prevent stone retention.

### CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

### ROBUST CENTER RIB

Engineered to optimize handling response.

### APPLICATION-SPECIFIC TREAD COMPOUND

Optimizes treadwear, handling and traction performance for pickup and delivery application.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007265	n/a	225/70R19.5 F/12 125/123L 75 mph 120 km/h	(6.75) 6.00-6.75	95 660	3,640 1,650	3,415 1,550	32.24 819	8.7 222	15.00 381	10.0 254	643 400	18.5 457	18 184	7.2 184	64 29.3	029142721857
90000007266	71826	225/70R19.5 G/14 128/126L 75 mph 120 km/h	(6.75) 6.00-6.75	110 760	3,970 1,800	3,750 1,700	32.24 819	8.7 222	15.00 381	10.0 254	643 400	18.5 457	18 184	7.2 184	64 29.3	029142721864
90000007267	71845	245/70R19.5 G/14 133/131L 75 mph 120 km/h	(7.50) 6.75-7.50	110 760	4,540 2,060	4,300 1,950	33.31 846	9.8 250	15.43 392	11.0 279	622 387	18.5 457	22 559	8.0 203	74 33.5	029142721871
90000007268	71846	245/70R19.5 H/16 136/134M 81 mph 130 km/h	(7.50) 6.75-7.50	120 825	4,940 2,240	4,675 2,120	33.31 846	9.8 250	15.43 392	11.0 279	622 387	18.5 457	22 559	8.0 203	74 33.5	029142750475

**This line will be replaced by the RM257 starting in July 2020.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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# RM300 HH™



## ON/OFF-ROAD DRIVE

The RM300 HH™ is an on/off-road drive tire designed to handle heavy hauling. The deep traction pattern, tread compounding and high tensile strength four-belt package combine to provide the retreadability, treadwear, and cut and chip resistance that your fleets require.

**M+S Rated**

### STONE PROTECTOR LEDGE

Stone protector ledges on all lugs resist stone penetrations.

### STONE EJECTORS

Stone ejectors in the bottom of the tread grooves protect the casing from stone penetrations.

### CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

### CUT AND CHIP RESISTANT TREAD COMPOUND

The cut and chip resistant tread compounding is specifically designed to perform in mixed service applications.

### DEEP TREAD DEPTH

Rugged 29.5/32" of tread provides excellent traction and durability.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007287	93734	11R22.5 H/16 146/143K 68 mph 110 km/h	(8.25) 7.50-8.25	120	6,610	6,005	42.13	11.3	19.61	12.5	492	29.5	26	9.0	126	029142663669
				830	3,000	2,725	1,070	288	498	318	306	23.5	660	229	57.1	
90000007288	93756	11R24.5 H/16 149/146K 68 mph 110 km/h	(8.25) 7.50-8.25	120	7,160	6,610	44.09	11.1	20.59	12.5	470	29.5	26	9.0	134	029142663676
				830	3,250	3,000	1,120	281	523	318	292	23.5	660	229	61.0	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



# RM351 HD™



## MIXED SERVICE ON/OFF ROAD DRIVE

The RM351 HD™ is the newest edition to the Roadmaster line of mixed service products. This highly versatile on/off road drive tire includes attributes specifically tailored for mixed service applications, such as logging, mining, and construction. The deep lugs, cut and chip resistant compound, and stone ejectors provide the performance and durability required while operating in both on and off road conditions.

**M+S Rated**

### CUT AND CHIP RESISTANT COMPOUND

Tread compound was specially formulated to meet the diverse performance requirements in mixed service applications.

### 32/32" DEEP TREAD DEPTH

Provides extended tread life in severe, high-scrub applications.

### STONE EJECTOR LEDGES

Stone ejector ledges coupled with angled grooves help to prevent stone retention and aid in preserving the casing for retreading.

### OPTIMIZED SHOULDER DESIGN

Notches in shoulder lugs provide added traction while tie-bars are designed to prevent heel-toe wear.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed				(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000026926	11R22.5	H/16	146/143K	68 mph	(8.25) 7.50-8.25	120	6,610	6,005	42.36	11.3	19.69	12.5	489	32.0	26	9.4	141	029142850984
				110 km/h		830	3,000	2,725	1,076	287	500	318	304	25.5	660	240	64.0	
90000026927	11R24.5	H/16	149/146K	68 mph	(8.25) 7.50-8.25	120	7,160	6,610	44.41	11.2	20.71	12.5	467	32.0	26	9.4	151	029142850991
				110 km/h		830	3,250	3,000	1,128	285	526	318	290	25.5	660	240	68.5	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM872<sup>EM</sup>



## LONG HAUL TRAILER SMARTWAY VERIFIED

The RM872<sup>EM</sup> is part of the Roadmaster line of fuel-efficient SmartWay verified tires. This long haul trailer tire has been extensively tested to deliver exceptional performance along with excellent fuel efficiency. The RM872<sup>EM</sup> features unique shoulder grooves and micro-sipes that provide outstanding resistance to abnormal shoulder wear. Finally, stone ejectors located in the bottom of the tread grooves protect against stone penetration to enhance casing integrity.

### **EM ENERGY MAX FUEL EFFICIENT COMPOUND**

The tire's tread design and rubber compounding provides low tire rolling resistance and contributes to fuel efficiency, earning SmartWay verification.

### **WIDE OUTSIDE SHOULDER RIBS**

The large shoulder and center ribs resist scrubbing from high side forces which in turn promote long, even wear for long haul applications.

### **MICRO-SIPES ON GROOVES EDGES**

Provide enhanced traction in wet road conditions and resists abnormal or "river wear."

### **STONE EJECTOR RIBS**

Stone ejectors in the bottom of the tread grooves protect the casing from stone penetrations and help resist stone retention.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007297	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	39.72 1,009	11.3 287	18.58 472	13.2 335	522 324	12.0 9.5	26 660	8.7 222	102 46.3	029142752219
90000022298	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	40.94 1,040	11.1 281	19.09 485	12.5 318	506 315	12.0 9.5	24 610	8.5 216	106 48.1	029142815259
90000022310	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110 760	6,175 2,800	5,675 2,575	40.98 1,041	10.8 274	19.25 489	12.5 318	506 314	12.0 9.5	26 660	8.7 222	109 49.4	029142815273
90000022299	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,610 3,000	6,005 2,725	42.95 1,091	11.2 284	20.08 510	12.5 318	483 300	12.0 9.5	24 610	8.5 216	114 51.7	029142815266

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM120™



## LONG HAUL TRAILER AND ALL-POSITION

The RM120™ is a long haul trailer tire that has an optimized tread depth and high tensile strength four-belt package combine to provide the retreadability and even treadwear that your fleets require.

### MICRO SIPES ON GROOVES EDGES

Provide enhanced traction in wet road conditions and resists "river wear."

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007212	98153	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	39.65 1,007	11.1 281	18.54 471	13.2 335	523 325	12.0 9.5	26 660	8.7 222	100 45.4	029142676645
90000007206	92334	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	41.02 1,042	11.1 282	19.13 486	12.5 318	505 314	12.0 9.5	24 610	8.5 216	105 47.8	029142649113
90000007207	92336	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.02 1,042	11.1 281	19.13 486	12.5 318	505 314	12.0 9.5	24 610	8.5 216	107 48.6	029142649120
90000007211	92345	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 7.50-9.00	110 760	6,175 2,800	5,675 2,575	40.94 1,040	10.8 275	19.25 489	12.5 318	506 315	12.0 9.5	24 610	8.6 219	106 48.2	029142649168
90000007210	92354	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,610 3,000	6,005 2,725	42.95 1,091	11.1 281	20.08 510	12.5 318	483 300	12.0 9.5	24 610	8.5 216	113 51.4	029142649137
90000007209	92356	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.03 1,093	11.1 281	20.12 511	12.5 318	482 299	12.0 9.5	24 610	8.5 216	115 52.3	029142649144

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM272™



## ALL POSITION SPREAD AXLE TRAILER

The RM272™ is an all-position/trailer tire featuring an advanced, high-scrub tread compound that provides improved treadwear and solid, long-lasting protection against cutting and chipping in spread axle trailer applications. It is also well suited for straight trucks and recreational vehicles where stopping and starting occur frequently. The stone ejector ribs in the grooves help preserve the casing for retreading and the rounded shoulder design help minimize the effect of high lateral forces on the tire.

### HIGH-SCRUB TREAD COMPOUND

The advanced tread compound was developed to provide improved treadwear and solid, long-lasting protection against cutting and chipping.

### ROUNDED SHOULDER PROFILE

The rounded shoulder design minimizes the effect of high lateral forces in spread axle applications.

### STONE EJECTOR RIBS IN TREAD GROOVES

The stone ejector ribs in the center grooves help prevent stone retention and drilling thus preserving the casing for retreading.

### MULTI-PURPOSE SIZE DESIGN

The 255/70R22.5 is designed with 16/32 tread depth and is suitable for use on spread-axle trailers, straight trucks and recreational vehicles.

Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000026979	245/70R17.5 J/18 143/141K 68 mph 110 km/h	(7.50) 6.75-7.50	125 875	6,005 2,725	5,675 2,575	31.22 793	9.5 242	14.41 366	11.0 279	664 413	14.5 11.5	22 559	8.5 216	67 30.6	029142850878
90000022852	255/70R22.5 H/16 140/137L 75 mph 120 km/h	(7.50) 6.75-8.25	120 830	5,510 2,500	5,070 2,300	36.69 932	10.3 262	17.09 434	11.3 287	565 351	15.5 12.5	28 711	8.3 210	90 40.8	029142817239
90000022853	275/70R22.5 J/18 148/145L 75 mph 120 km/h	(8.25) 7.50-8.25	130 900	6,940 3,150	6,395 2,900	38.07 967	11.0 279	17.68 449	12.2 311	545 338	18.0 14.5	28 711	9.0 229	105 47.9	029142817246
90000027584	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.50-8.25	105 720	6,175 2,800	5,840 2,650	41.22 1,047	11.3 287	19.21 488	12.5 318	503 313	16.0 12.7	24 610	8.5 216	111 50.3	029142870715
90000033629	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	6,610 3,000	6,005 2,725	41.22 1,047	11.2 284	19.21 488	12.5 318	503 313	16.0 12.7	24 610	8.5 216	113 51.2	029142917793
90000027585	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.00) 8.25-9.00	110 760	6,175 2,800	5,675 2,575	39.92 1,014	11.1 281	18.66 474	13.2 335	519 323	16.0 12.7	28 711	8.5 216	106 48.2	029142870722
90000033791	295/75R22.5 H/16 149/146L 75 mph 120 km/h	(9.00) 8.25-9.00	125 850	7,160 3,250	6,610 3,000	39.88 1,013	11.1 282	18.62 473	13.2 335	520 323	16.0 12.7	28 711	8.5 216	108 49.0	029142917915
90000033790	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.50-8.25	120 830	7,160 3,250	6,610 3,000	43.31 1,100	11.1 282	20.24 514	12.5 318	479 297	16.0 12.7	24 610	8.5 216	122 55.4	029142917908

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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# RM170™



## PICK-UP AND DELIVERY ALL-POSITION

The RM170™ is a pick-up and delivery all-position tire and with the addition of the 17.5" sizes it is also ideal for low-platform trailers. The solid shoulder tread design and high tensile strength belt construction combine to provide the retreadability and treadwear that your local haulers require.

### WIDE TREAD AND OPTIMIZED FOOTPRINT

Delivers long, even treadwear.

### V-SHAPED TREAD GROOVES

Groove shape works to reduce stone retention.

### STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000007215	95804	215/75R17.5 H/16 135/133L 75 mph	(6.00) 6.00-6.75	125	4,805	4,540	30.51	8.4	14.29	9.4	680	15.0	18	7.1	59	029142748656
		120 km/h		850	2,180	2,060	775	213	363	239	422	12.1	457	181	26.6	
90000007216	95805	235/75R17.5 J/18 143/141J 62 mph	(6.75) 6.75-7.50	125	6,005	5,675	31.46	9.1	14.69	10.3	659	15.0	24	7.5	67	029142748663
		100 km/h		860	2,725	2,575	799	232	373	262	410	12.1	610	191	30.2	
> 90000007217	n/a	225/70R19.5 F/12 125/123L 75 mph	(6.75) 6.00-6.75	95	3,640	3,415	32.05	9.0	14.92	10.0	647	15.0	28	7.6	65	029142678243
		120 km/h		660	1,650	1,550	814	228	379	254	402	11.9	711	193	29.4	
> 90000007218	95803	225/70R19.5 G/14 128/126L 75 mph	(6.75) 6.00-6.75	110	3,970	3,750	32.05	9.0	14.92	10.0	647	15.0	28	7.6	65	029142678250
		120 km/h		760	1,800	1,700	814	228	379	254	402	11.9	711	193	29.4	
> 90000007220	95801	245/70R19.5 G/14 133/131L 75 mph	(7.50) 6.75-7.50	110	4,540	4,300	33.11	9.9	15.35	11.0	626	16.0	26	8.4	73	029142678267
		120 km/h		760	2,060	1,950	841	251	390	279	389	12.7	660	213	33.3	
> 90000007219	95806	245/70R19.5 H/16 136/134M 81 mph	(7.50) 6.75-7.50	120	4,940	4,675	33.11	9.9	15.35	11.0	626	16.0	26	8.4	73	029142750468
		130 km/h		825	2,240	2,120	841	251	390	279	389	12.7	660	213	33.3	
> 90000007221	95819	265/70R19.5 G/14 137/134L 75 mph	(7.50) 7.50-8.25	110	5,070	4,675	34.37	10.3	15.87	11.6	603	17.5	30	8.6	81	029142721659
		120 km/h		760	2,300	2,120	873	261	403	295	375	13.8	762	219	37.0	
> 90000027938	n/a	285/70R19.5 H/16 146/144L 75 mph	(8.25) 7.50-9.00	125	6,610	6,175	35.20	10.9	16.22	12.5	589	17.5	30	9.0	88.0	029142872412
		120 km/h		850	3,000	2,800	894	277	412	318	366	13.8	762	229	40.0	
> 90000007222	95810	10R22.5 G/14 141/139L 75 mph	(7.50) 6.75-8.25	115	5,675	5,355	40.31	10.1	18.82	11.4	514	18.0	24	7.9	101	029142721666
		120 km/h		790	2,575	2,430	1,024	257	478	290	320	14.5	610	200	45.9	

**This line will be replaced by the RM170+ in May 2020.  
> The 17.5 sizes will remain in this line.**

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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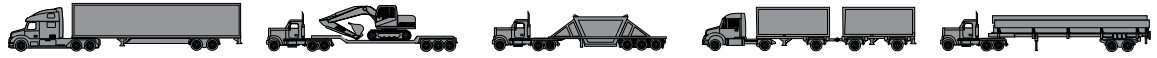




# ROADMASTER TIRES™

ENGINEERED BY COOPERTIRES

## COMMERCIAL APPLICATION TIRE SELECTION GUIDE



<b>STEER</b>	RM832 (EM)™	RM230 WB™ RM830 (EM)™ RM230 HH™	RM830 (EM)™ RM230 HH™	RM832 (EM)™ RM185™	RM185™ RM230 HH™ RM234 (EM)™
<b>DRIVE</b>	RM852 (EM)™ RM275™ RM254™ RM258 WD™	RM852 (EM)™ RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM230 HH™	RM852 (EM)™ RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM230 HH™	RM852 (EM)™ RM275™ RM254™ RM258 WD™	RM852 (EM)™ RM275™ RM254™ RM258 WD™ RM300 HH™ RM351 HD™
<b>TRAILER</b>	RM872 (EM)™ RM120™	RM185™ RM170+™ RM230 HH™ RM272™	RM230 HH™ RM185™	RM872 (EM)™ RM120™ RM185™	RM230 HH™ RM185™ RM234 (EM)™



<b>STEER</b>	RM185™ RM230 HH™ RM234 (EM)™	RM234 (EM)™ RM230 HH™	RM185™ RM234 (EM)™	RM832 (EM)™	RM332 WB™ RM230 WB™ RM830 (EM)™ RM230 HH™	RM230 WH™
<b>DRIVE</b>	RM852 (EM)™ RM275™ RM254™ RM258 WD™ RM230 HH™ RM185™	RM852 (EM)™ RM275™ RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM185™ RM230 HH™	RM852 (EM)™ RM275™ RM254™ RM258 WD™	RM852 (EM)™ RM275™ RM254™ RM258 WD™	RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM230 HH™	RM230 WH™ RM254™ RM258 WD™ RM300 HH™ RM351 HD™
<b>TRAILER</b>	RM185™ RM230 HH™ RM234 (EM)™	RM185™ RM230 HH™ RM272™	RM872 (EM)™ RM120™ RM234 (EM)™ RM185™ RM230 HH™	RM872 (EM)™ RM120™	<b>TAG FITMENT</b> RM185™ RM170+™ RM230 HH™	



<b>STEER</b>	RM832 (EM)™ RM170+™ RM185™ RM830 (EM)™	RM234 (EM)™ RM185™	RM185™ RM234 (EM)™	RM332 WB™ RM230 WB™ RM230 HH™ RM830 (EM)™	RM185™ RM230 HH™ RM234 (EM)™	RM185™ RM234 (EM)™	RM332 WB™ RM230 WB™ RM230 HH™	RM185™ RM230 HH™ RM234 (EM)™
<b>DRIVE</b>	RM852 (EM)™ RM275™ RM185™ RM830 (EM)™	RM852 (EM)™ RM275™ RM254™ RM258 WD™	RM254™ RM258 WD™	RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM230 HH™	RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM230 HH™	RM275™ RM254™ RM258 WD™ RM234 (EM)™	RM254™ RM258 WD™ RM300 HH™ RM351 HD™ RM230 HH™	RM852 (EM)™ RM275™ RM254™ RM258 WD™



Load and Inflation Table for Radial Medium Truck Tires

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES													
		kPa	480	520	550	590	620	660	690	720	760	790	830	860	900
		psi	70	75	80	85	90	95	100	105	110	115	120	125	130
245/70R17.5	DUAL	kg			1800	1900	1980	2080	2160	2230	2330	2410	2500	2575(J)	
		lbs.			3970	4190	4365	4585	4760	4915	5135	5315	5510	5675(J)	
	SINGLE	kg			1910	2020	2100	2210	2280	2360	2470	2550	2650	2725(J)	
		lbs.			4210	4455	4630	4870	5025	5200	5445	5620	5840	6005(J)	
215/75R17.5	DUAL	kg			1450	1520	1590	1650	1720	1790	1860	1910	1990	2060(H)	
		lbs.			3195	3345	3500	3650	3795	3945	4095	4220	4390	4540(H)	
	SINGLE	kg			1530	1610	1680	1750	1820	1900	1960	2040	2110	2180(H)	
		lbs.			3375	3540	3695	3860	4010	4180	4330	4495	4650	4805(H)	
235/75R17.5	DUAL	kg			1800	1900	1980	2070	2150	2240	2330	2410	2490	2575(J)	
		lbs.			3970	4170	4365	4555	4745	4935	5125	5310	5495	5675(J)	
	SINGLE	kg			1910	2000	2100	2200	2280	2360	2460	2550	2640	2725(J)	
		lbs.			4200	4410	4615	4820	5025	5225	5420	5620	5810	6005(J)	
225/70R19.5	DUAL	kg	1230	1300	1360	1410	1470	1550(F)	1580	1640	1700(G)				
		lbs.	2720	2860	3000	3115	3245	3415(F)	3490	3615	3750(G)				
	SINGLE	kg	1310	1380	1450	1500	1570	1650(F)	1690	1740	1800(G)				
		lbs.	2895	3040	3195	3315	3450	3640(F)	3715	3845	3970(G)				
245/70R19.5	DUAL	kg	1390	1460	1550	1590	1660	1750	1790	1850	1950(G)	2040	2120(H)		
		lbs.	3070	3220	3415	3515	3655	3860	3940	4075	4300(G)	4520	4675(H)		
	SINGLE	kg	1480	1550	1650	1700	1770	1850	1900	1970	2060(G)	2150	2240(H)		
		lbs.	3265	3425	3640	3740	3890	4080	4190	4335	4540(G)	4740	4940(H)		
265/70R19.5	DUAL	kg	1560	1640	1700	1780	1860	1950	2000	2000	2120(G)				
		lbs.	3430	3600	3750	3930	4095	4300	4405	4415	4675(G)				
	SINGLE	kg	1660	1740	1800	1900	1970	2060	2130	2200	2300(G)				
		lbs.	3650	3830	3970	4180	4355	4540	4685	4850	5070(G)				
285/70R19.5	DUAL	kg	1780	1870	1960	2070	2160	2270	2350	2430	2540	2620	2725	2800(H)	
		lbs.	3930	4125	4340	4555	4770	4980	5190	5395	5600	5805	6005	6175(H)	
	SINGLE	kg	1900	1990	2090	2210	2300	2410	2500	2590	2700	2790	2900	3000(H)	
		lbs.	4185	4390	4625	4855	5080	5305	5525	5745	5965	6180	6395	6610(H)	
10R22.5	DUAL	kg	1750	1830	1910	2000	2080	2160	2240	2300	2360	2430(G)			
		lbs.	3860	4045	4230	4410	4585	4760	4940	5075	5210	5355(G)			
	SINGLE	kg	1850	1940	2030	2120	2200	2280	2360	2430	2500	2575(G)			
		lbs.	4080	4280	4480	4675	4850	5025	5205	5360	5515	5675(G)			
11R22.5	DUAL	kg	1990	2080	2160	2250	2360	2460	2560	2650(G)	2680	2710	2725(H)		
		lbs.	4380	4580	4760	4950	5205	5415	5625	5840(G)	5895	5950	6005(H)		
	SINGLE	kg	2050	2160	2260	2370	2500	2600	2700	2800(G)	2870	2940	3000(H)		
		lbs.	4530	4770	4990	5220	5510	5730	5950	6175(G)	6320	6465	6610(H)		
12R22.5	DUAL	kg	2170	2260	2350	2440	2575	2630	2680	2725	2840	2960	3075(H)		
		lbs.	4780	4990	5190	5390	5675	5785	5895	6005	6265	6525	6780(H)		
	SINGLE	kg	2240	2360	2470	2580	2725	2820	2910	3000	3120	3240	3350(H)		
		lbs.	4940	5200	5450	5690	6005	6205	6405	6610	6870	7130	7390(H)		
255/70R22.5	DUAL	kg	1630	1710	1800	1860	1940	2000	2020	2090	2120	2230	2300(H)		
		lbs.	3585	3765	3970	4110	4275	4410	4455	4610	4675	4915	5070(H)		
	SINGLE	kg	1730	1820	1900	1980	2060	2120	2220	2300	2360	2450	2500(H)		
		lbs.	3815	4005	4190	4370	4550	4675	4895	5065	5205	5400	5510(H)		
275/70R22.5	DUAL	kg	1750	1870	1950	2070	2150	2260	2350	2420	2530	2610	2720	2800	2900(J)
		lbs.	3865	4120	4315	4560	4745	4990	5170	5350	5585	5760	5995	6170	6395(J)
	SINGLE	kg	1910	2030	2130	2250	2340	2460	2550	2640	2750	2840	2950	3040	3150(J)
		lbs.	4200	4475	4685	4955	5155	5420	5615	5810	6065	6255	6510	6700	6940(J)
295/75R22.5	DUAL	kg	1860	1950	2060	2130	2220	2300	2390	2470	2575(G)	2680	2820	3000(H)	
		lbs.	4095	4300	4540	4690	4885	5070	5260	5440	5675(G)	5920	6220	6610(H)	
	SINGLE	kg	2040	2140	2240	2340	2440	2500	2620	2710	2800(G)	2950	3100	3250(H)	
		lbs.	4500	4725	4940	5155	5370	5510	5780	5980	6175(G)	6500	6830	7160(H)	
315/80R22.5 RM830 EM	DUAL	kg	2310	2420	2575	2650	2750	2900	2970	3070	3150	3270	3450(J)	3590	3750(L)
		lbs.	5095	5345	5675	5840	6070	6395	6545	6770	6940	7210	7610(J)	7910	8270(L)
	SINGLE	kg	2540	2660	2800	2910	3030	3150	3260	3370	3450	3590	3750(J)	3940	4125(L)
		lbs.	5600	5875	6175	6415	6670	6940	7190	7440	7610	7920	8270(J)	8690	9090(L)
315/80R22.5 RM230 HH+ RM230 WH	DUAL	kg	2310	2420	2575	2650	2750	2900	2970	3070	3150	3270	3450	3580	3750(L)
		lbs.	5095	5345	5675	5840	6070	6395	6545	6770	6940	7210	7610	7900	8270(L)
	SINGLE	kg	2940	3090	3230	3370	3510	3650	3780	3910	4000	4160	4250	4410	4540(L)
		lbs.	6485	6800	7120	7430	7730	8050	8320	8610	8820	9180	9370	9730	10000(L)
385/65R22.5	SINGLE	kg	2880	3060	3150	3350	3470	3650	3740	3850	4000	4100	4250	4380	4500(L)
		lbs.	6380	6720	6940	7350	7650	8050	8230	8510	8820	9050	9370	9650	9920(L)
425/65R22.5	SINGLE	kg	3430	3640	3750	3980	4130	4250	4440	4580	4750	4880	5150(L)		
		lbs.	7590	7990	8270	8740	9100	9370	9790	10100	10500	10700	11400(L)		
11R24.5	DUAL	kg	2110	2210	2300	2390	2500	2580	2660	2725(G)	2820	2910	3000(H)		
		lbs.	4660	4870	5070	5260	5510	5675	5840	6005(G)	6205	6405	6610(H)		
	SINGLE	kg	2190	2300	2410	2520	2650	2770	2890	3000(G)	3080	3160	3250(H)		
		lbs.	4820	5070	5310	5550	5840	6095	6350	6610(G)	6790	6970	7160(H)		
12R24.5	DUAL	kg	2300	2400	2500	2600	2650	2770	2890	3000	3080	3160	3250(H)		
		lbs.	5080	5300	5520	5730	5840	6095	6350	6610	6790	6970	7160(H)		
	SINGLE	kg	2380	2500	2630	2740	2900	3020	3140	3250	3350	3450	3550(H)		
		lbs.	5240	5520	5790	6040	6395	6650	6910	7160	7380	7600	7830(H)		
285/75R24.5	DUAL	kg	1870	1970	2060	2150	2240	2360	2410	2490	2575(G)	2660	2800(H)		
		lbs.	4135	4340	4540	4740	4930	5205	5310	5495	5675(G)	5860	6175(H)		
	SINGLE	kg	2060	2160	2240	2360	2460	2575	2650	2740	2800(G)	2920	3075(H)		
		lbs.	4545	4770	4940	5210	5450	5675	5835	6040	6175(G)	6440	6780(H)		



# STANDARD LIMITED WARRANTY

## REPLACEMENT ALL-STEEL RADIAL TRUCK TIRES

### ELIGIBILITY

This warranty applies to the original purchaser of a Roadmaster All-Steel Radial truck tire and is not transferable. Eligible tires must be purchased new and used on the vehicle which they were originally installed. Proof of purchase is required for all warranty claims. Additionally, they must be the size, load index, and speed rating equivalent or greater than that specified by the vehicle manufacturer. This warranty applies to the 48 contiguous continental United States, Alaska, Hawaii, District of Columbia and Canada. For warranty exclusions see "WHAT ISN'T COVERED".

### WHAT IS COVERED AND FOR HOW LONG

Roadmaster warrants to the original purchaser that if a Roadmaster tire becomes unserviceable due to an eligible adjustable condition during the tread life (defined below), the tire will be replaced with an equivalent new Roadmaster tire. A replacement charge (defined below) will be required in order to obtain a replacement tire.

### OTHER THAN FIRST QUALITY TRUCK TIRES

Roadmaster All-Steel Radial truck tires branded "BLEMISH" (non-uniform) have the same warranty as first quality tires except for ride complaints and the appearance or other conditions which caused the tires to be classified as other than first quality. Tires branded "NON-ADJ" (non-adjustable) are not covered by this Warranty.

### TREAD LIFE

When the tread becomes worn down to 2/32" (1.6 mm) anywhere on the tire (shown by tread wear indicators molded into the tread grooves) the tire is worn out and this warranty ends. Driving habits, driving conditions, tire and vehicle maintenance all play a part in the tread life of a tire and all differ with each purchaser. **WARNING** - for important safety information, you must read the section titled "Tire Service Life" and the Tire Safety Warnings section of this guide. Safety information is also located at [www.roadmastertires.com](http://www.roadmastertires.com) (and select: "Tire Safety"); and, from your dealer.

### REPLACEMENT CHARGE

The Replacement Charge will be determined by multiplying the dealer's current selling price by the percentage of original tread depth worn from the tire. You must pay for mounting, balancing and any other additional charges, such as taxes or the acceptance of a higher priced replacement tire.

### CASING ALLOWANCE

In normal highway service and off-road service, if within **six (6) years** of date of manufacture a Roadmaster All-Steel Radial medium truck tire becomes unserviceable and is not retreadable due to an adjustable condition in the casing, or if it does not provide two (2) retreads of service it is eligible for the applicable casing allowance specified:

First Retread = \$90.00 Second Retread = \$60.00	First Retread = \$60.00 Second Retread = \$30.00	First Retread = \$30.00 Second Retread = \$15.00
11R22.5 285/75R24.5	255/70R22.5	215/75R17.5 225/70R19.5
11R24.5 315/80R22.5	275/70R22.5	235/75R17.5 245/70R19.5
12R22.5 385/65R22.5	10R22.5	245/70R17.5 265/70R19.5
12R24.5 425/65R22.5		285/70R19.5
295/75R22.5		

Radial truck tires branded "BLEMISH", "MAL-WEAR", "NON-UNIF" (non-uniform) or "NON-ADJ" (non-adjustable) are not eligible for a casing allowance.

### HOW TO OBTAIN AN ADJUSTMENT

Tire adjustments must be presented to your local Roadmaster dealer. You must present this booklet, proof of purchase and be the original owner when requesting a replacement for your tire. See "WHERE TO GO FOR WARRANTY REPLACEMENT".

### WHAT IS NOT COVERED

Adjustments will not be made for:

- A. Tires that become unserviceable due to:
  1. Conditions resulting from road hazards, such as (A) impact damage, (B) cuts, (C) snags, or (D) punctures, or (E) vandalism.
  2. Conditions such as, but not limited to, uneven, cupping, spotty, feathering tread wear resulting from (A) improper installation, (B) wheel misalignment, (C) tire/wheel assembly imbalance, (D) use of an improper rim, (E) improper mounting or dismounting or (F) misapplication, or (G) use of chains.
  3. Conditions resulting from consumer damage, such as (A) improper tire and vehicle maintenance, (B) misuse, (C) abuse, (D) accident, fire or chemical corrosion, (E) underinflation, (F) overloading, (G) over deflection, (H) failure to follow recommended rotation practices.
- B. Ride complaints after the first 2/32" (1.6mm) of tread wear on the original factory tread. Tread wear within the first 2/32" (1.6mm) will be credited on a pro-rated basis for the original Roadmaster factory tread.
- C. Ride complaints on tires branded "Blemish", "Mal-Wear", "Non-Uniform, or "Non-Adjustable".
- D. Use in any racing applications.

E. Ozone or weather checking on tires over (4) four years from date of manufacture or date of purchase. Proof of purchase is required. Without proof of purchase the manufacture date will be used to determine eligibility.

F. Tires stored improperly., OR

G. Tires that are:

1. Worn unevenly and/or show a difference of 2/32" (1.6mm) between the grooves.
2. Installed on any vehicle other than the vehicle on which they were first installed.
3. Sold or adjusted outside the 48 contiguous continental United States, Alaska, Hawaii, District of Columbia and Canada.
4. Acquired as used (tires purchased used or retreaded, equipped on a pre-owned vehicle, etc.).
5. Altered in any manner (additional siping, buffing, stud pin holes, re-grooving, truing, etc.).
6. Worn to 2/32" (1.6mm) or more than 72 months old (based on original date of purchase) whichever comes first. Proof of purchase is required. Without proof of purchase the manufacture date will be used to determine eligibility.
7. Improperly repaired or with repairs not conforming to the U.S. Tire Manufacturer's Association standards.

### NO ROAD HAZARD COVERAGE

Many dealers sell or provide their own warranty coverage for road hazards and/or repairs. Roadmaster Tire does not provide this coverage. Check with your dealer to determine if Road Hazard/Repair coverage is available from them.

### REPLACEMENT WARRANTY

If you receive a replacement tire under the terms of this Warranty, the replacement tire will be covered by the Warranty then currently given by Roadmaster for the replacement tire.

### WHERE TO GO FOR WARRANTY REPLACEMENT

You can obtain assistance in locating an independent Roadmaster dealer near you by visiting the dealer locator on our website at [www.roadmastertires.com](http://www.roadmastertires.com) or by calling 1-800-822-8686.

### CONDITIONS AND EXCLUSIONS

Any tire, no matter how well constructed, may fail in service or otherwise become unserviceable due to conditions beyond the control of the manufacturer. Nothing in this Warranty is intended to be a representation by Roadmaster that tire failure cannot occur.

### TIRE SERVICE LIFE

Roadmaster recommends that all passenger, light truck and commercial tires, including full-size spare tires, that are beyond 10 years from their date of manufacture, be replaced with new tires. Tires that are 10 or more years old should be replaced even if the tires appear to be undamaged and have not reached their tread wear limits. In some cases, a vehicle manufacturer may make a recommendation for tire replacement earlier than 10 years for their products based upon their understanding of the specific vehicle characteristics and application. If so, you should follow those vehicle manufacturer's specific recommendations for their vehicle.

### CONSUMER RIGHTS

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### OWNER'S OBLIGATION

When making a claim, you must return the tire to be replaced to your Roadmaster dealer.

Proper vehicle and tire care is necessary to obtain the expected wear from a tire. It is your obligation to properly maintain your tires and the vehicle upon which they are mounted, including: (A) operating your tires at the inflation pressures recommended by the vehicle manufacturer, (B) keeping your tire/wheel assemblies in balance, (C) proper wheel alignment, and (D) rotation. You must check your tire's inflation pressure at least monthly and before long trips.

We recommend that you have your Roadmaster dealer inspect your tires any time you notice irregular or uneven tread wear and rotate them, if necessary. Also, they should be inspected by your dealer any time your vehicle is brought in for service.

For additional safety information please visit:

[www.ustires.org](http://www.ustires.org) [www.nhtsa.gov](http://www.nhtsa.gov) [www.safercar.gov](http://www.safercar.gov) [www.nsc.org](http://www.nsc.org)  
[www.tracanada.ca](http://www.tracanada.ca) [www.tc.gc.ca](http://www.tc.gc.ca)

**ROADMASTER TIRE**  
 P.O. BOX 550  
 FINDLAY, OHIO 45839

Visit our website at: [www.us.coopertire.com](http://www.us.coopertire.com)  
**1-800-854-6288**

## GOVERNMENT STANDARDS FOR COMMERCIAL TRUCK TIRES

**OSHA Standard No. 29, CFR Part 1910.177** – Tires and rims can be very dangerous if misused or worn out. Many fatal accidents result from improper handling of and operation with truck rims and wheels. As a result, the U.S. Occupational Safety and Health Administration (OSHA) has issued standards regarding wheel and rim servicing, "Servicing Single-Piece and Multi-Piece Rim/Wheel." It is of the utmost importance that the precautions and instructions outlined in the OSHA standards be followed by all persons servicing single-piece truck wheels to avoid personal injuries and damage, as well as comply with Federal regulations. A complete copy of OSHA Standard No. 29, CFR Part 1910.177 which includes servicing multi-piece as well as single piece rims/wheels is available by contacting:

Tire Industry Association (TIA)  
1532 Pointer Ridge Place  
Suite G  
Bowie, MD 20716-1883  
240-544-1270 or 800-876-8372 x100

[www.tireindustry.org](http://www.tireindustry.org)

**DOT Regulations Regarding Tires** – The Federal Motor Carrier Safety Regulations book is updated monthly and designed to provide employers and employees of the commercial motor vehicle industry reasonably accurate information regarding the expectations of the Department of Transportation.

***Tread depth** for any tire on the front wheels of a bus, truck or truck tractor must have a tread depth of at least 4/32nds of an inch when measured at any point on a major tread groove. All other tires on the vehicle must have a tread depth of at least 2/32nds of an inch when measure at any point on a major tread groove. If any measurements are at or below these depth requirements in any part of the tread, the tire should be removed from service immediately.*

For details with regard to tire conditions, tread depth, regrooved tires, load ratings and inflation pressure see Part 393.75, Tires of the Federal Motor Carrier Safety Regulations book.

**Radial Tire & Disc Wheel Service Manual** – The Technology & Maintenance Council (TMC) publishes the procedures manual covering tubeless truck radial tires and disc wheels. The material in this manual covers many topics including but not limited to regrooving, repairs, safety procedures, tire / wheel / rim maintenance and basic tire and wheel information. For information on obtaining copies of the guide, contact:

Technology & Maintenance Council  
American Trucking Associations  
2200 Mill Road  
Alexandria, VA 22314  
(703) 838-1763  
[tmc@trucking.org](mailto:tmc@trucking.org)  
<http://tmc.trucking.com>

or

ATA Marketplace  
(800) ATA-LINE  
<http://www.truckline.com/store>

## NECESSARY COMMERCIAL TRUCK TIRE AND VEHICLE SAFETY REFERENCES

The purpose of this section of the product manual is to provide tire service buyers, professionals and end users an understanding of the many factors that are essential to the proper care and service of truck and bus tires.

This is not all inclusive and is not intended to eliminate in-depth, practical training, especially in areas such as: tire mounting and demounting, tire and wheel balancing, tire retreading, tire pressure monitoring systems (TPMS) and tire repairing. Personnel that service tires must receive professional training and certification. Tire manufacturers and industry organizations provide comprehensive, hands-on training programs for tire service professionals. For more information on TIA Certified Commercial Tire Service Technician Programs, please contact TIA at [www.tireindustry.org](http://www.tireindustry.org) or call 800-876-8372 x107.

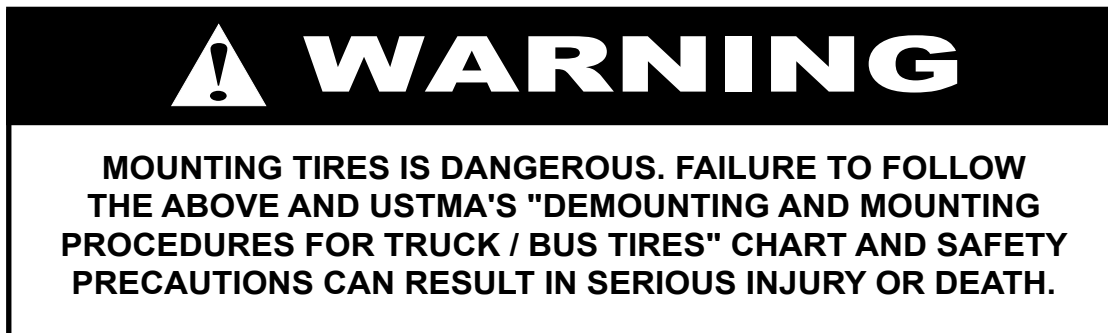
"WARNINGS" and "CAUTIONS" contained in all tire publications are important and must be followed. Questions pertaining to specific products or pieces of service equipment should be addressed directly to the manufacturer of that product.

Truck tires are designed and manufactured to meet strict governmental requirements, internal company standards, vehicle performance characteristics and driver expectations. Modern tire technology blends a unique mix of chemistry, physics and engineering to give drivers a high degree of tire performance that provides safety, reliability, efficiency, long wear and comfort. Tires are manufactured, inspected and tested to assure safety and satisfaction. As a result, properly cared-for tires will provide a longer service life.

### The Most Important Factors In Truck Tire Safety, Performance and Service Life Are:

- PROPER TIRE SIZE, TYPE, AND LOAD CAPACITY (LOAD RANGE)
- PROPER INFLATION PRESSURE
- PROPER TIRE AND WHEEL ALIGNMENT
- PROPER TIRE AND WHEEL BALANCE
- PROPER LOADING OF THE VEHICLE
- PROPER TIRE REPAIRS
- VEHICLE CONDITION AND MAINTENANCE
- GOOD DRIVING HABITS

Tire and wheel servicing can be dangerous and if done improperly could cause serious injury if not death. Servicing tires should only be done by qualified and trained personnel, while using proper tools and practicing the proper procedures. Always follow the procedures and safety precautions displayed in the USTMA "Demounting and Mounting procedures for Trucks / Bus Tires" and "Inspection procedures for identification of potential zipper ruptures in steel cord radial medium and light truck tires" charts and service bulletins.



**Inflation Pressure** – Maintaining proper inflation pressure in tires is the single most important factor in extending tire life. Over and under inflation have negative effects on the tire by changing the tire's footprint, which is the area contacting the road. When the tire is not contacting the road as design intended, the tread area will wear irregularly and therefore rapidly wear the tread surface. Likewise, it is air and not the tire that actually carries the load and absorbs shock. Any condition causing the tire to flex as it is rolling down the road causes heat buildup that can cause tire components and steel cord damage.

Correct inflation pressure for a vehicle is determined by the load carried for each tire. Refer to the load and inflation table in this book to determine the proper pressure required.





# WARNING

**Driving on tires with improper inflation pressure is dangerous.**

- Under inflation causes excessive heat buildup and internal structural damage.
- Over inflation makes it more likely for tires to be cut, punctured or broken by sudden impact.

These situations can cause a tire failure, including tread / belt separation, even at a later date, which could lead to an accident and serious personal injury or death.

**Consult the vehicle tire placard, certification label, owner's manual and/or the Tire & Rim Association Load and Inflation tables for the recommended inflation pressures.**

**Zipper Rupture** – A line of exposed broken cords that usually measures 12 inches or more located in the mid- to upper sidewall of the tire. The rupture resembles a zipper and is usually caused by under inflation leading to fatigue. A tire with this condition should be approached with caution and evaluated by a qualified technician.

Permanent tire damage due to under inflation and / or overloading cannot always be detected. A tire known or suspected to have been run at 80% or less of normal operating inflation pressure and / or overloaded, could possibly have permanent structural damage (steel cord fatigue). Ply cords weakened by under inflation and / or overloading may break one after another, until a rupture occurs in the upper sidewall with accompanying instantaneous air loss and explosive force. This can result in serious injury or death.



**M+S Rated** – This mark is commonly found on lug-type drive tires. In several formats, the letters "M" and "S" indicate the tire is intended for limited mud and snow service. Other formats include: "MS," "M/S," or "M&S."

**Tubeless** – The tire must be marked either "tubeless" or "tube type."

**Regroovable** – All Roadmaster branded tires are molded as "Regroovable". A tire that is marked as regroovable indicates the tire (either original tread or retread) is designed and constructed with sufficient tread material to permit renewal of the tread pattern, or the generation of a new tread pattern in a manner which conforms to federal regulations. Tires with 2/32" or less of tread depth, or displaying irregular wear should never be regrooved nor should regrooved tires be placed on the front axle. For more information on regulations that apply specifically to regroovable tires, see U.S. Code of Federal Regulations: Title 49, Transportation; Parts 569 and 393.75.

**Tire ply composition and material used** – This identifies the number of plies and the type of cord materials in the tire tread and sidewall areas. A bias ply tire typically has multiple plies in the sidewall, versus an all-steel radial tire, which generally has a single sidewall ply. The body ply(s) functions as the structure of the tire and provide the strength to contain the inflation pressure.

**Maximum load carrying capacity at maximum cold inflation pressure** – If the tire size is one that can be used as either a single application (such as on the steering axle) or as a dual application (such as on a drive or trailer axle), a maximum load and maximum cold inflation will be stated for each application. In this example of a 295/75R22.5 load range G with a 144/141L service description, molded in the sidewall would be:

MAX LOAD SINGLE 2800 kg (6175 lbs.) AT 760 kPa (110 psi) MAX PRESSURE COLD

MAX LOAD DUAL 2675 kg (5675 lbs.) AT 760 kPa (110 psi) MAX PRESSURE COLD

... indicating the maximum load of the tire and the corresponding maximum cold inflation pressure for that load when used as a single and dual applications. Sidewall markings are given in both metric and imperial units.

*It is very important that you always follow tire inflation pressure recommendations based on actual loads carried by the individual tires. Using the load and inflation charts in this book or the Tire and Rim Association's Year Book, the load capacity at the required cold pressure for a single tire or for each tire of a dual assembly can be determined.*

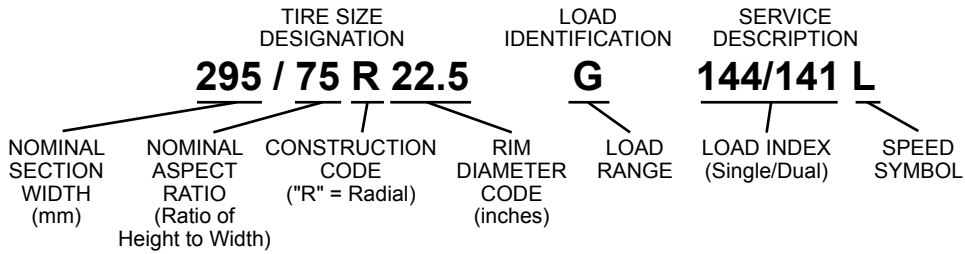


**Severe Weather Rated** – Tires have passed the required industry standard certification which tests the tire's ability to accelerate on snow and meet the requirements for severe snow performance. The 3-Peak Mountain and Snowflake Symbol (3PMSF) is branded on the sidewall of the tire.

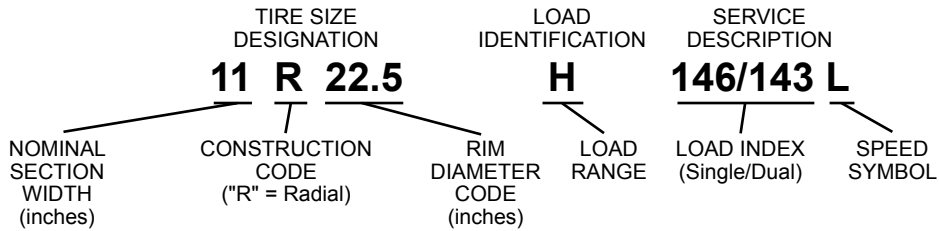
# TIRE SIZE DESIGNATIONS

The following is an explanation of size designation systems presently in use for Roadmaster truck tires:

## METRIC SIZE DESIGNATED TIRES:



## CONVENTIONAL SIZE DESIGNATED TIRES:



**295 / 75 R 22.5** – Indicates that the size designation is for a metric size radial truck tire. An aspect ratio number, typically ranging from 50 to 85, in a truck tire size designation indicates the ratio of the tire section height to section width. In the example, a tire with an aspect ratio of 75, the section height of the tire is 75% of the section width. Aspect ratios are also referred to as “series” and “profile” numbers.

**Radial** – A tire with a radial construction must show the word “RADIAL” on the sidewall. A radial tire is also delineated by the character “R” in the size designation. Other tire size suffix letters are included, when necessary, as part of the tire size to differentiate between tires for service conditions which may require different loads and inflations and/or tires, which must be used on different type rims. (Example: 7.50-15LT, 7.50-15ST, 7.50-15NHS, 7.50-15TR)

- LT – Light truck
- ST – Special trailer
- TR – Tires for service on trucks, busses or other heavy vehicles. This suffix is intended to differentiate between truck tires and light vehicle tires with similar size designations.
- ML – Mining and logging tires used in intermittent highway service.
- MH – Tires for mobile homes.
- HC – Identifies a 17.5 rim diameter code tire for use on low platform trailers.
- NHS – Not for highway service.

**Load Index** – The load index is a numerical code (144/141 in the example) associated with the maximum load a tire can carry at the speed indicated by its speed symbol under specified service conditions. The numeric load index is a code generally ranging from 100 to 170 that represents the maximum load carrying capacity. In the example, single and dual application load indices are listed. The maximum weight (load carrying capacity) is also stamped on the lower sidewall of the tire.

**Speed Symbol** – The speed symbol is a letter indicating the speed at which a tire has been tested to carry a load corresponding to its load index. In the example above, the speed symbol L in the service description means a maximum speed rating of 75 miles per hour. Excessive speed is not only unlawful and may cause injury. Consult the rim/wheel manufacturer for rim/wheel load and inflation capacities.

<b>Speed Rating Symbols</b>		
	<u>mph</u>	<u>km/h</u>
<b>F</b> .....	50	80
<b>G</b> .....	55	90
<b>J</b> .....	62	100
<b>K</b> .....	68	110
<b>L</b> .....	75	120
<b>M</b> .....	81	130
<b>N</b> .....	87	140

## TIRE SPECIFICATION DEFINITIONS

**Buff Radius & Buff Width** – The buffed surface curvature from shoulder to shoulder, all the way around the tire. Used when retreading a radial tire casing.

**Dual Spacing** – Minimum distance allowed between the wheel's center line in a dual application.

**Maximum Air Pressure (psi)** – Also referred to as inflation pressure, correct inflation pressure for a vehicle is determined by the load carried for each tire. Refer to the load and inflation table in this book to determine the proper pressure required.

**Overall Diameter** – Twice the section height (unloaded but inflated), plus the nominal rim diameter.

**Revolutions Per Mile (REVs)** – Measured as the number of revolutions a tire makes in a mile at 55 mph, maximum inflation pressure and maximum dual load. REVs will vary with a change in the speed, inflation and load.

**Rim Width** – The measurement on the inside of the rim between the two flanges.

**Section Height** – The height of a new tire from the nominal rim diameter to the top of the tread.

**Section Width** – The width of a new tire including normal sidewalls, but not including protective side ribs, bars or other decorations.

**Static Loaded Radius** – The distance from the centerline of the axle to the ground of a tire under maximum inflated pressure and maximum dual load.

**Tread Depth** – Measured from the tread's surface to the base of the tire grooves. Best if measured at the designated treadwear indicators as marked on the tire. This is also referred to as "non-skid."

*It is a DOT violation for steer tires to be worn down to 4/32nds and for drive tires to be worn down to 2/32nds.*





## TREAD DESIGN SELECTION AND DEFINITIONS

Proper selection of tread design for an intended application will maximize the service life of the tire and minimize tire expenses. Tires of different sizes and construction should never be mixed on the same axle. Tires of different size, construction, dimension and design should not be matched in a dual application. Incorrect application will result in uneven wear, poor fuel mileage, tire and / or mechanical failures.



**RIB TYPE**



**LUG TYPE**



**SPECIAL SERVICE  
MUD AND SNOW LUG TYPE**

**Branding** – Improper branding can result in tire failures. Sidewalls will typically have designated areas chosen for branding.

**Long Haul & Highway** – Usually considered “over-the-road,” traveling across the country.

**Lug and Rib Lug-Type Tread** – Also referred to as cross lug or cross rib lug-type tires, they are designed for drive wheel service and are suitable for most over-the-road operations. These tires provide maximum resistance to wear and greater traction in high torque service. They normally deliver more mileage than rib-type tires on drive wheel positions. They are suitable for some off-road traction as special service mud and snow lug-type tires.

**Pick-up and Delivery Application** – Typically refers to local delivery routes which constitutes much starting and stopping, cornering and hard braking creating wear and tear on tires and equipment.

**Regional** – Highway, urban and intercity with routes usually to neighboring states.

**Retreadable** – Retreading worn tires or purchasing retreaded tires can provide new tire dependability, service and performance at a fraction of the cost and conserve natural resources. Follow the prescribed maintenance and careful when regrooving which could damage the casings.

**Rib-Type Tread** – Typically referred to as "all-position" tires, unless otherwise designated and are for the steer or trailer axle positions. The circumferential groove design provides maximum steering control, good skid resistance and even treadwear on all wheel positions.

**Special Service Mud and Snow Lug-Type Tread** – Special service mud and snow lug type tires are designed for on- and off-the-road service. The tread on these tires is normally a more open design for higher traction. They should be used when intended service requires maximum traction in mud and/or snow.

## FUEL EFFICIENCY

**Tire Rolling Resistance** – A tire's rolling resistance is responsible for approximately 20% of a tractor / trailer's fuel consumption. Tire rolling resistance is the force needed to roll the tire at a given speed while loaded.

### Factors that affect tire rolling resistance:

- Speed – largest single variable
- Load – larger loads lower fuel efficiency
- Vehicle Type – airflow and rolling resistance contribute to vehicle drag
- Road Surface – smooth concrete versus chip / seal asphalt, and region to region
- Vehicle Alignment – a not aligned vehicle is literally dragging the tires down the road
- Proper Inflation Pressure – underinflated tires build up heat and cause irregular wear



**SMARTWAY VERIFIED**

**SmartWay** is a public / private collaboration between the U.S. EPA and the freight transportation industry that helps freight shippers, carriers, and logistics companies improve fuel-efficiency and save money. SmartWay-certified tractors and/or trailers are equipped with verified technologies. Cooper Tire's Roadmaster-branded truck tires that have been verified under the EPA's SmartWay program will deliver the fuel saving benefits intended by the program.

EPA has determined that certain tire models can reduce NOx emissions and fuel use by 3 percent or more, relative to the best selling new tires for line haul class 8 tractor trailers. These improvements are achieved under the following conditions:

- Tires are used on the axle positions stated on the SmartWay Verified Technologies list.
- Verified low rolling resistance tires are installed on all of the axle positions of the tractor and trailer.
- All tires must be properly inflated according to the manufacturer's specifications.

The state of California has taken SmartWay beyond the voluntary level for long haul trucks. California requires SmartWay low rolling resistance tires on all long-haul 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and the tractors that pull them on California highways – regardless of where the vehicles are registered. See the timing requirements below for California:

### Low Rolling Resistance Tires are Required on:

- All tractors that pull affected trailers
- All affected trailers

### The regulation does not apply to:

- Military tactical vehicles
- Curtain side vans
- Authorized emergency vehicles
- Solid waste vehicles
- Drayage tractors and trailers that operate within a 100-mile radius of a port or intermodal rail yard
- Drop frame vans
- Container chassis

*Learn more about Smartway by visiting*  
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