SUMITOMO TIRES

2025 TBR Tires

sumitomotrucktires.com

SUMITOMO TIRES

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Medium Truck Tires

Medium Truck Tires

Sumitomo medium truck tires are known for outstanding performance in the toughest applications. Innovative design and fantastic quality control make the difference.

Built for long tread life, casing durability and multiple retreads, these tires are available in one of the widest ranges of sizes and tread designs.

Sumitomo Premium Series medium truck tires include a collection of advanced features we call S-Tech Design. The technology in these tires is remarkable. They share a technical architecture that delivers high mileage, inhibits irregular wear, improves driver satisfaction, and retains casing integrity through multiple retread cycles.

Sumitomo's new Premium Series medium truck tire lines reinforce the company's reputation for precision engineering, innovative technology, and craftsmanship.

The company's Medium Truck Tire line reinforces Sumitomo's reputation for precision engineering, innovative technology and craftsmanship.

The Sumitomo Brand

Sumitomo is the premium export brand of Sumitomo Rubber Industries, Ltd., one of the largest tire manufacturers in the world. Within the tire industry, Sumitomo enjoys a well-earned reputation for innovative design, precision engineering and superior quality. It's the Sumitomo difference.

With a reputation for quality, service and leading edge technology, Sumitomo Tire is a premium tire brand offering a unique mix of 1st tier quality and 2nd tier value.

Sumitomo is backed by the reputation and resources of the Sumitomo Group, one of the most influential business groups in the world. Sumitomo Tire is a global brand that competes on the basis of product quality and real-world performance.

Sumitomo manufactures EPA SmartWay® verified technologies

Tires are an integral link in the transmission of energy from the engine to the road. Tires that meet EPA SmartWay® criteria for reduced rolling resistance help save fuel and reduce vehicle emissions. That's good for everybody. Components manufactured with SmartWay® Verified technologies can lower the cost of operating trucks and lower the impact on the environment.

Based upon data provided by tire manufacturers and EPA testing and research, EPA determined that certain tire models can provide a reduction on NOx emissions and an estimated fuel savings of 3% or greater, relative to the "best selling" new tires for line haul trucks, when used on all five axles on long haul class 8 trucks.

Sumitomo has enhanced the value of its three best long haul patterns by engineering them for lower rolling resistance. S-Tech casing design PLUS less rolling resistance equals long mileage to removal, excellent durability, multiple retread cycles and reduced fuel cost.

Sumitomo offers a full range of high-quality medium truck tires that are designed for hard work and manufactured to precise standards.

More miles to removal. Great handling for safety. Built to be retreaded. Sumitomo tires give you a competitive edge.

SmartWay® Technology

Sumitomo has incorporated SmartWay® Verified technology into its Premium Series Long Haul patterns for all three axle positions. Coupled with the proven benefits of Sumitomo S-Tech casing architecture, these tires are the right choice for operators who care about long term value, and improving the environment.

Sumitomo tires with SmartWay® Verified technology are designated with the suffix SE.

ST788SE

The ST788SE is Sumitomo's most advanced S-Tech Design steer tire for long-haul operations. With the latest design elements, the ST788SE provides exceptional mileage with advanced compounding properties. For extended service life, the tire features robust shoulder elements to promote long, even wear and stone ejectors to help provide casing integrity. Exceptional performance and low rolling resistance offer peace of mind and savings for fleets.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5533252	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5533259	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5533275	295/75R22.5	146/143L	H/16	9.00	8.25	6,610
SUMI-5533278	285/75R24.5	147/144L	H/16	8.25	7.50	6,780

TIRE CONSTRUCTION

1. Innovative teardrop-shaped decoupling groove reduces shoulder strain and prevents tearing.
2. Significantly wider tread face for consistent retreadability, with wide, solid shoulders that evenly dispense contact pressure for long, even wear.
3. Improved tire compounding and micro edge sipes dramatically improve treadwear.
4. Stone ejectors in the base of the tread groove promote casing integrity.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	41.4	11.3	12.5	18	19.3	502	75
6,610	120	43.1	11.4	12.5	18	20.2	482	75
6,005	120	40.0	11.4	13.2	18	18.7	519	75
6,175	120	41.2	10.8	12.5	18	19.4	504	75

ST778+ SE

The ST778+ SE is a SmartWay® Verified long-haul steer tire. Incorporating a collection of features, the ST778+ SE delivers superior miles to removal, excellent handling for safe operation and dependable retreadability of the Sumitomo casing.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5532852	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5532859	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5532875	295/75R22.5	144/141L	G/14	9.00	8.25	6,175

TIRE CONSTRUCTION

1. Shoulder grooves work with the wide, flat tread radius to control irregular wear.
2. Wide solid shoulders evenly dispense contact pressure for long, even wear.
3. Micro sipes protect the interior ribs from punch wear.
4. Stone ejectors in the base of the tread groove promote casing integrity.
5. Four Steel Belt Package - resists punctures, increases vehicle stability and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	41.5	11.3	12.5	18	19.3	501	75
6,610	120	43.2	11.3	12.5	18	20.2	481	75
5,675	110	40.1	11.5	13.2	18	18.8	518	75

ST948SE

The ST948SE is Sumitomo's highest mileage and most fuel efficient drive tire. Equipped with the latest advancements in S-Tech Design to maximize original tread life and lower rolling resistance, the ST948SE is best suited for long distance, coast-to-coast operations. A unique combination of superior compounding and deep tread design give the ST948SE better fuel efficiency to improve your fleets operating costs.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5533152	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5533159	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5533175	295/75R22.5	144/141L	G/14	9.00	8.25	6,175
SUMI-5533178	285/75R24.5	144/141L	G/14	8.25	7.50	6,175

TIRE CONSTRUCTION

1. Significantly wider tread face for consistent retreadability, with wide, solid shoulders that evenly dispense contact pressure for long, even wear.
2. Extra-deep 30/32nd tread and stone ejectors positioned in the base of the shoulder grooves to resist stone drilling.
3. Wide tread blocks minimize tread squirm to lower rolling resistance and promote long, even tread wear.
4. Micro sipes in the tread blocks provide increased traction.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	42.1	11.4	12.5	30	19.6	493	75
6,610	120	44.3	11.3	12.5	30	20.7	468	75
5,675	110	40.8	11.1	13.2	30	19.1	509	75
5,675	110	42.2	10.7	12.5	30	19.8	492	75

ST938

The ST938 is a closed shoulder deep tread drive tire. Incorporating a collection of advanced features, The ST938 delivers remarkable mileage, excellent handling and dependable retreadability you've come to expect with Sumitomo casings.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5532452	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5532459	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5532475	295/75R22.5	144/141L	G/14	9.00	8.25	6,175
SUMI-5532478	285/75R24.5	144/141L	G/14	8.25	7.50	6,175

TIRE CONSTRUCTION

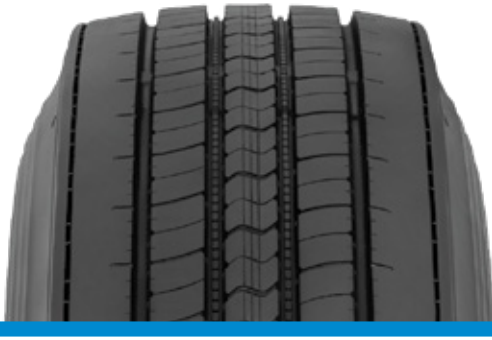
1. Closed Shoulder tread design provides long, even wear and excellent traction.
2. Extra deep 30/32nds tread depth promotes extended mileage tread wear.
3. Increased base rubber dissipates heat while running at high speeds in long haul operations.
4. Heavy-duty casing provides stability and promotes retreading.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	42.3	11.3	12.5	30	19.7	489	75
6,610	120	44.3	11.4	12.5	30	20.7	470	75
5,675	110	40.8	11.5	13.2	30	19.0	508	75
5,675	110	42.1	11.0	12.5	30	19.7	493	75

ST710SE

The SmartWay® Verified ST710SE merges the advantages of an advanced concept, low-skid tread pattern with the long-term durability of a premium Sumitomo casing. Its high quality construction yields years of service. It wears long and smooth when new and is designed for multiple retread cycles.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5532651	11R22.5	144/142L	G/14	8.25	7.50	6,175
SUMI-5532658	11R24.5	146/143L	G/14	8.25	7.50	6,610
SUMI-5532675	295/75R22.5	144/141L	G/14	9.00	8.25	6,175
SUMI-5532678	285/75R24.5	144/141L	G/14	8.25	7.50	6,175



TIRE CONSTRUCTION

1. Wide footprint for enhanced vehicle stability and long mileage.
2. Micro-edge sipes in the rib edge to reduce.
3. Stone ejectors in the base of the tread groove to promote casing integrity.
4. Decoupling grooves to control migration of irregular wear.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
5,840	105	41.0	11.2	12.5	12	18.7	507	75
6,005	105	43.0	11.1	12.5	12	19.8	483	75
5,675	110	39.8	11.3	13.2	12	18.3	522	75
5,675	110	41.1	10.5	12.5	12	19.0	506	75

ST719SE

The ST719SE is Sumitomo's newest deep regional steer tire designed to deliver high mileage in regional applications. With a variety of the latest S-Tech Design features, this tire delivers excellent traction, even wear, better fuel efficiency and ride comfort. With improved high-scrub compounding properties, the ST719SE provides the performance you require.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5533352	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5533359	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5533375	295/75R22.5	146/143L	H/16	9.00	8.25	6,610
SUMI-5533378	285/75R24.5	147/144L	H/16	8.25	7.50	6,780

TIRE CONSTRUCTION

1. Significantly wider tread face for consistent retreadability, with wide, solid shoulders that evenly dispense contact pressure for long, even wear.
2. Deep 21/32" tread depth for maximum mileage.
3. Wavy tread groove design resists tread groove strain and helps stiffen shoulder rigidity for improved handling.
4. Stone ejectors in the base of the tread groove promote casing integrity.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	41.6	11.3	12.5	21	19.4	499	75
6,610	120	43.4	11.4	12.5	21	20.3	479	75
6,005	120	40.3	11.7	13.2	21	18.8	516	75
6,175	120	41.3	10.9	12.5	21	19.4	503	75

ST709SE

The ST709SE is a regional steer tire that's durable enough when there's serious work to be done, but versatile enough to display on-highway manners.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5532952	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5532959	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5532975	295/75R22.5	144/141L	G/14	9.00	8.25	6,175

TIRE CONSTRUCTION

1. Chevron block center ribs with lateral sipes effectively cut water on wet roads for enhanced traction and safety.
2. Stone ejectors in the base of the tread groove to promote casing integrity.
3. 20/32" Tread depth applied to a wide, flat casing for much longer life in high scrub applications.
4. Thick curbing ribs help shield the casing from sidewall damage.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	41.5	11.1	12.5	20	19.4	500	75
6,610	120	43.5	11.1	12.5	20	20.4	477	75
5,675	110	40.2	11.3	13.2	20	18.8	517	75

ST909

The ST909 is Sumitomo's most advanced S-Tech Design drive tire for regional applications. With the latest design elements, the ST909 provides superior traction, more miles per 32nd and an extra wide tread face for increased vehicle stability. Exceptional performance and outstanding retreadability are strengths of the line.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5533082	225/70R19.5	128/126N	G/14	6.75	6.00	3,970
SUMI-5533086	245/70R19.5	136/134N	H/16	7.50	6.75	4,940
SUMI-5533052	11R22.5	146/143L	H/16	8.25	7.50	6,610
SUMI-5533055	12R22.5	152/149L	H/16	9.00	8.25	7,830
SUMI-5533059	11R24.5	149/146L	H/16	8.25	7.50	7,160
SUMI-5533087	255/70R22.5	140/137M	H/16	7.50	6.75	5,510
SUMI-5533075	295/75R22.5	146/143L	H/16	9.00	8.25	6,610
SUMI-5533078	285/75R24.5	144/141L	G/14	8.25	7.50	6,175

TIRE CONSTRUCTION

1. Significantly wider tread face for consistent retreadability, with wide, solid shoulders that evenly dispense contact pressure for long, even wear.
2. Advanced Y-Shape groove design improves stone ejection, traction and promotes longer life of the casing.
3. Deep shoulder blocks for increased traction.
4. Stone ejectors to minimize stone drilling and protect the casing.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
3,750	110	32.3	8.7	10.0	22	14.3	644	87
4,675	120	33.5	9.5	11.0	22	15.6	620	87
6,005	120	42.1	11.1	12.5	28	19.6	493	75
7,160	123	43.0	12.0	13.5	28	20.0	486	75
6,610	120	44.2	11.1	12.5	28	20.7	470	75
5,070	120	36.9	9.9	11.3	26	17.3	562	81
6,005	120	40.7	11.4	13.2	28	19.0	511	75
5,675	110	42.1	10.8	12.5	28	19.7	495	75

ST908

The ST908 open shoulder drive tire has an excellent reputation among fleets for its long life and durability.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531252	11R22.5	146/144L	H/16	8.25	7.50	6,610
SUMI-5531287	255/70R22.5	140/137M	H/16	7.50	6.75	5,510

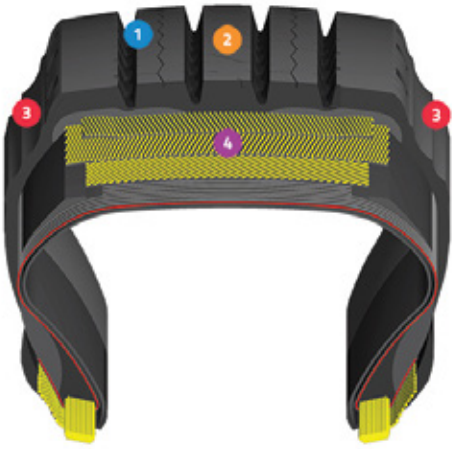
TIRE CONSTRUCTION

1. Block siping for increased traction.
2. 26/32nd Tread Depth - promotes long life.
3. Continuous center ribs for highway tracking and cruising stability.
4. Open Shoulder Design for increased traction.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	41.9	10.9	12.6	26	19.6	495	75
5,070	120	36.9	9.9	11.3	25	17.2	578	81

ST718

The ST718 is an excellent commercial all-position tire for urban and metro fleet operations.



Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5530045*	8R19.5	124/122L	F/12	6.00	5.25	3,525

TIRE CONSTRUCTION

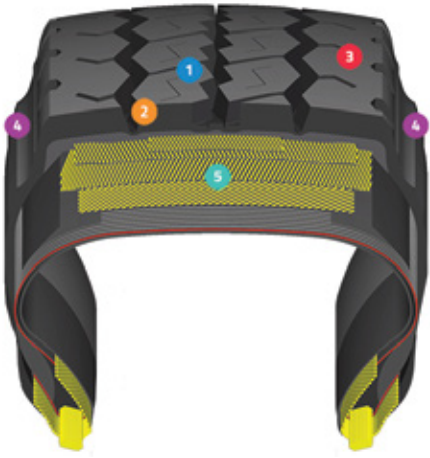
1. Five-rib tire with wider shoulders to promote even wear in all positions. (Size 8R19.5 is a four-rib pattern)
2. Application-specific tread compound resists the effects of scuffing from sharp turns and promotes long mileage.
3. Curbing ribs help shield the casing from sidewall damage.
4. All-steel casing construction to help resist punctures and increase vehicle stability.

	Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
	3,305	110	33.7	7.8	9.2	16	15.8	616	75

*4-rib pattern design

ST918

Engineered for the rough metro environment, the ST918 gives the traction needed to get the job done in bad weather. Its computer-designed tread pattern and application-specific compounds deliver long mileage, great traction, and vehicle stability.



Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531781	225/70R19.5	125/123M	F/12	6.75	6.00	3,640
SUMI-5531782	225/70R19.5	128/126M	G/14	6.75	6.00	3,970
SUMI-5531785	245/70R19.5	133/131M	G/14	7.50	6.75	4,540

TIRE CONSTRUCTION

1. Siping for traction during wet and dry maneuvers.
2. Deep original tread depth provides maximum tread life.
3. Radical shoulder ribs act like traction bars and stabilize the tread for long life in commercial service.
4. Curbing ribs help shield the casing from sidewall damage.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
3,415	95	32.1	8.8	10.0	20	14.9	647	81
3,750	110	32.1	8.8	10.0	20	15.0	647	81
4,300	110	33.4	9.5	10.0	21	15.6	612	81

ST719

The all-new ST719 is designed to meet the demands of regional and urban delivery service. Driven by advanced design features, including a wider tread width and high tread wear performance compounds, the ST719 delivers more miles per 32nd.




Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5533466*	215/75R17.5	135/133L	H/16	6.00	6.00	4,805
SUMI-5533471*	235/75R17.5	143/141L	J/18	6.75	6.75	6,005
SUMI-5533473*	245/70R17.5	143/141L	J/18	7.50	6.75	6,005
SUMI-5533472	225/70R19.5	125/123N	F/12	6.75	6.00	3,640
SUMI-5533482	225/70R19.5	128/126N	G/14	6.75	6.00	3,970
SUMI-5533485	245/70R19.5	133/131N	G/14	7.50	6.75	4,540
SUMI-5533486	245/70R19.5	136/134N	H/16	7.50	6.75	4,940
SUMI-5533489	265/70R19.5	140/138M	H/16	7.50	6.75	5,510
SUMI-5533469	245/75R22.5	134/131L	G/14	7.50	6.75	4,675
SUMI-5533487	255/70R22.5	140/137M	H/16	7.50	6.75	5,510
SUMI-5533496	275/70R22.5	148/145M	H/16	8.25	7.50	6,940
SUMI-5533462	315/80R22.5	157/154L	L/20	9.00	9.00	9,090

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
4,540	123	30.4	8.3	9.4	16	14.0	683	75
5,675	127	31.6	9.4	10.3	17	14.5	658	75
5,675	127	31.2	10.0	11.0	16	14.3	666	75
3,415	95	31.8	8.7	10.0	16	14.9	653	87
3,750	110	31.9	8.7	10.0	16	15.0	651	87
4,300	109	33.1	9.4	11.0	16	15.4	628	87
4,675	120	33.1	9.5	10.6	16	15.4	628	87
5,205	112	34.2	10.1	11.6	16	15.9	608	81
4,300	110	37.3	9.6	11.0	18	17.6	557	75
5,070	120	36.5	9.8	11.3	19	17.1	569	81
6,395	130	37.9	10.9	12.2	18	17.7	548	81
8,270	130	42.2	12.4	13.8	18	19.6	492	75

*For free rolling service in normal highway use

ST727

These lines offer many hard-to-find sizes and ply ratings. Every tire is engineered to be Sumitomo tough across a wide range of applications.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5530507*	10.00R15	137/135K	G/14	7.50	7.00	5,070
SUMI-5530510*	8.25R20	136/134K	G/14	6.50	6.00	4,940
SUMI-5530513*	9.00R20	138/136K	F/12	7.00	6.50	5,205
SUMI-5530517*	10.00R20	146/143L	H/16	7.50	7.00	6,610
SUMI-5530540	10R17.5	134/132L	H/16	7.50	6.75	4,675
SUMI-5530546	9R22.5	136/134L	G/14	6.75	6.00	4,940
SUMI-5530548	10R22.5	141/139L	G/14	7.50	6.75	5,675
SUMI-5530552	11R22.5	148/144L	H/16	8.25	7.50	6,610
SUMI-5530555	12R22.5	152/148M	H/16	9.00	8.25	7,390
SUMI-5530559	11R24.5	149/146L	H/16	8.25	7.50	7,160

TIRE CONSTRUCTION

1. Micro sipes - promote long, even wear and decrease strain on the rib edge.
2. 5-rib tire for exceptional stability.
3. Application specific tread compound resists the effects of scuffing from sharp turns and promotes long mileage.
4. Four circumferential grooves for water dispersion and increased traction.
5. Wide solid shoulders resist damage caused in high-scrub applications.
6. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

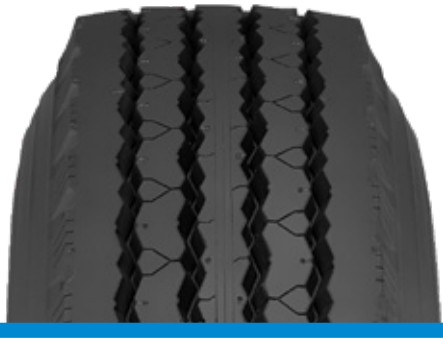
Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
4,805	105	36.1	10.7	12.5	16	16.5	566	68
4,675	120	37.9	9.1	10.6	16	17.8	546	68
4,940	100	40.1	10.0	11.7	17	18.8	518	68
6,005	120	41.2	10.9	12.5	17	19.2	506	75
4,410	115	33.9	9.8	11.4	16	15.8	615	75
4,675	120	38.1	8.9	10.3	16	17.8	545	75
5,355	115	40.2	10.0	11.4	16	18.9	515	75
6,005	120	41.2	10.9	12.6	17	19.3	504	75
6,780	120	42.5	11.3	13.5	18	19.8	491	81
6,610	120	43.4	11.0	12.6	17	20.3	479	75

*Includes tube and flap

ST717

These lines offer many hard-to-find sizes and ply ratings. Every tire is engineered to be Sumitomo tough across a wide range of applications.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5530438	9R17.5	129/127K	G/14	6.75	6.75	4,080
SUMI-5530442	11R17.5	137/135K	G/14	8.25	8.25	5,070



TIRE CONSTRUCTION

1. 5-Rib design - provide better vehicle stability in all weather conditions.
2. Sipes - enhance traction and water dispersion.
3. Micro sipes - promote long, even wear.
4. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
3,860	120	33.1	8.9	10.3	16	15.4	632	68
4,805	105	36.4	11.7	12.6	17	16.7	582	68

ST538

With its 26/32” tread depth on the standard sizes and the 10,200lbs. load carrying capacity on size 315/80R22.5, the ST538 is an outstanding performing On- and Off-Highway Mixed Service All-Position Tire.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5534000	11R22.5	148/145K	H/16	8.25	7.50	6,940
SUMI-5534001	11R24.5	149/146K	H/16	8.25	7.50	7,160
SUMI-5534002	315/80R22.5	161/157K	L/20	9.00	9.00	10,200

TIRE CONSTRUCTION

1. Deeper tread depth increases mileage and time in service.
2. Uniform tread depth and smotth block edges help prevent irregular wear.
3. Thick curbing ribs help shield the casing from sidewall damage.
4. Stone ejectors protect the casing from damage in the base of the groove.
5. Application specific tread compounds resist tread chipping in high-scuff on and off-road applications.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,395	123	42.0	11.3	12.5	26	19.5	494	68
6,610	120	44.0	11.4	12.5	26	20.5	472	68
9,090	130	42.7	12.2	13.8	24	19.8	486	68

ST518

Durable all-position tires for mixed service use, the ST518 and ST508 offers increased life in demanding applications where additional traction is needed.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531155	12R22.5	152/147K	H/16	9.00	8.25	7,390

TIRE CONSTRUCTION

1. Deep tread design increases service time.
2. Application specific tread compound resists cutting and chipping.
3. Shoulder notching for increase traction in Mixed Service applications.
4. Stone ejectors protect the casing in the base of the tread groove.
5. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,780	120	42.8	12.0	13.5	21	20.0	488	68

ST508

Durable all-position tires for mixed service use, the ST518 and ST508 offers increased life in demanding applications where additional traction is needed.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531035*	11.00R24	154/151K	H/16	8.00	7.50	8,270

TIRE CONSTRUCTION

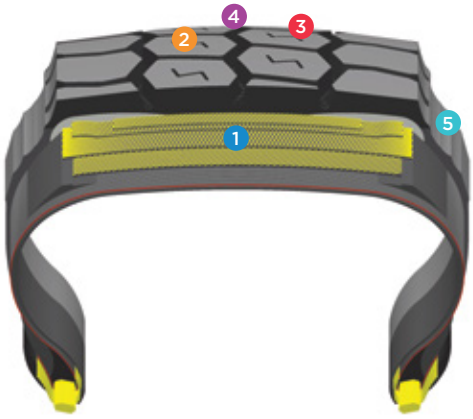
1. Aggressive shoulder design for increased traction.
2. Four Rib Zig Zag design for Mixed Service use.
3. Application specific tread compound resists cutting and chipping.
4. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
7,610	120	46.9	11.5	13.2	20	21.8	276	68

*Includes tube and flap

ST530

The Sumitomo ST530 is a premium wide base mixed service all-position tire that was designed for exceptional durability and performance. The ST530's wide footprint ensures extended tread life, while larger tread blocks provide uniform stiffness to reduce irregular wear. Enhanced with stone defense features and thick curbing ribs, the ST530 protects the casing from damage, ensuring longevity and reliability.



Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5534003	385/65R22.5	160K	L/20	11.75	11.75 - 12.25	9,920
SUMI-5534004	425/65R22.5	165K	L/20	12.25	12.25 - 14.00	11,400
SUMI-5534005	445/65R22.5	169K	M/22	13.00	13.00-14.00	12,800

TIRE CONSTRUCTION

1. Wide tread and high tread-to-void ratio helps extend tread life.
2. Larger hexagonal blocks provide uniform stiffness and reduces irregular wear.
3. Larger block corner angle resists irregular wear.
4. Stone defense features protect the casing from damage.
5. Thick curbing ribs help shield the casing from sidewall damage.

	Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
	-	130	42.4	15.3	22	19.6	492.7	68
	-	120	44.6	16.5	24	20.4	469.1	68
	-	130	45.7	17.3	24	20.9	457.8	68

ST720

The ST720 is a wide base tire with a reputation for high mileage and vehicle stability in mixed service applications.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531490	385/65R22.5	160K	J/18	11.75	11.75	9,370
SUMI-5531493	425/65R22.5	165K	L/20	12.25	12.25	11,400
SUMI-5531496	445/65R22.5	168K	L/20	13.00	13.00	12,300

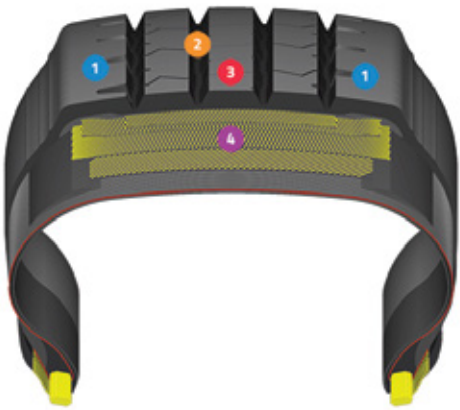
TIRE CONSTRUCTION

1. Wide shoulder ribs stabilize the vehicle in turns and at highway speeds.
2. Application-specific tread compound resists cutting and chipping.
3. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
-	120	42.2	14.9	-	18	19.4	502	68
-	125	44.2	16.5	-	19	20.4	478	68
-	120	45.3	17.6	-	20	20.7	470	68

ST770

A wide-base tire specially designed for spread-axle trailer service, the ST770 resists extra wear in a high stress trailer application.



Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531590	385/65R22.5	160K	J/18	11.75	11.75	9,370

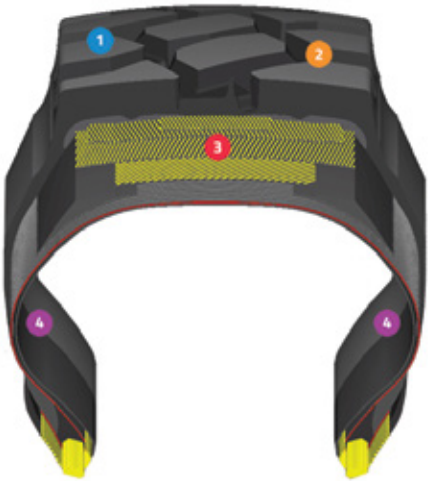
TIRE CONSTRUCTION

1. Notching in shoulder ribs to reduce effect of scuffing during turns.
2. Four wide grooves assist with traction in wet and dry conditions.
3. Application-specific tread compounds to resist cutting and chipping.
4. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.

	Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
	-	120	42.2	14.8	-	18	19.5	498	68

ST900

A rugged drive tire designed for off-highway operations. From the rust inhibitors on its internal steel components to its deep 31/32" tread depth, ST900 is built from the inside-out to be durable and long wearing.



Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5530752	11R22.5	146/143G	H/16	8.25	7.50	6,610
SUMI-5530755	12R22.5	150/147G	H/16	9.00	8.25	7,390
SUMI-5530759	11R24.5	149/146G	H/16	8.25	7.50	7,160

TIRE CONSTRUCTION

1. Application-specific tread compound resists cutting and chipping.
2. Deep 31/32nd tread depth designed for traction in off-highway operations.
3. Four Steel Belt Package - resists punctures, increases vehicle stability, and contributes to more retread cycles.
4. Special liner compound helps keep moisture from entering the casing.

Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
6,005	120	42.2	11.2	12.6	31	19.9	489	55
6,780	120	43.4	11.9	13.5	31	20.3	479	55
6,610	120	44.4	10.9	12.6	31	20.7	458	55

ST901

The ST901 is a tough traction tread for the most rugged logging and off-highway applications.

Product Code	Tire Size	Service Desc.	Load Range/Ply	Pref Rim Width (inch)	Min Rim Width (inch)	Single Max Load (lbs)
SUMI-5531859	11R24.5	149/146K	H/16	8.25	7.50	7,160

TIRE CONSTRUCTION

1. Application-specific tread compounds resist tread chipping in high-scuff and off-road applications.
2. Siping for increased traction.
3. Stone ejectors protect the casing from damage in the base of the tread groove.
4. Extra-thick layer of undertread rubber protects the belt package.
5. Thick curbing ribs help shield the casing from sidewall damage.

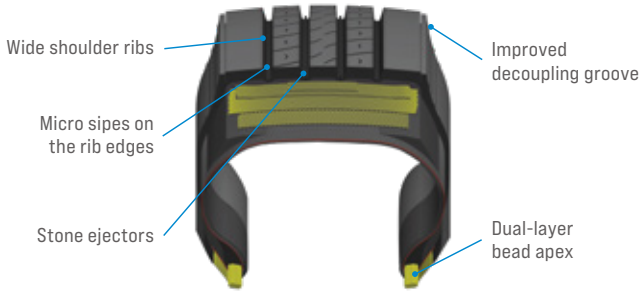
	Dual Max Load (lbs)	I.P. (psi)	Overall Diameter (inch)	Section Width (inch)	Min Dual Spacing (inch)	Tread Depth (x/32")	Static Loaded Radius (inch)	Revs Per Mile	Max Speed (mph)
	6,610	120	44.4	11.1	12.6	32	20.7	468	68

Technical Data

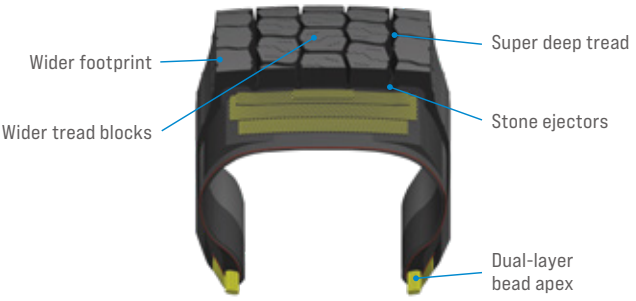
Engineering

S-Tech Design is a collection of the most advanced features Sumitomo has to offer in the new medium truck lines. It is the optimal combination of specific features in each line working together for maximum performance and durability. All Sumitomo tires are designed with a four-belt package.

ST788SE



ST948SE



Flat Contact Technology

Sumitomo's sophisticated new technology minimizes irregular wear by controlling the contact pressure in the tire footprint. Flat Contact Technology delivers uniform contact pressure from shoulder to shoulder. The contact length of the shoulder rib in the tire footprint is almost equal to that of the center rib, so the contact patch is kept square while in contact with the ground. This leads to a uniform contact pressure distribution and significant resistance to irregular wear.

Tube-Type Mounting And Demounting

Any inflated tire mounted on a rim contains explosive energy. The use of damaged, mismatched or improperly assembled tire/rim parts can cause the assembly to burst apart with explosive force. If you are struck by an exploding tire, rim part or air blast, you can be seriously injured or killed.

Demounting Tube-Type Tires

1. If a tire has been running under-inflated or if any damage to the tire or wheel is suspected, the valve core should be removed prior to removing the tire/wheel assembly from the vehicle axle. This is to prevent a possible accident.
2. Before unlocking any side ring or lock ring, remove the valve core and allow the tire to deflate completely.
3. Remove all rim or wheel parts.
4. Inspect the tire for damages.

Mounting Tube-Type Tires

1 Insert the proper size tube into the tire and partially inflate (3 psi) to round out the tube (with larger sizes it may be necessary to use bead spreaders – see the next two sections for mounting instructions).

2. Insert the valve through the flap valve hole. (Make sure the reinforced patch which is directly over the flap valve hole is facing outwards.) Then insert the remainder of the flap into the tire.
3. Check the flap wings to insure against folding. This is easily accomplished by placing your hand into one tire side, then the other, then running your hand along the entire flap wing.
4. Inflate the tube until the flap is secure against the tire wall and the beads start to spread apart, making sure not to exceed 3 psi.
5. Apply a proper tire lubricant to both beads and the exposed flap. Make sure that excess lubricant does not run down into the tire.
6. Place tire, tube and flap on the wheel or rim, taking care to center the valve in the slot.
7. Fit side ring and lock ring, insuring that they are properly positioned, locked and are correct for the “fitment.”

Mounting Tube-Type Tires Using Manual Spreaders:

1. Follow steps 1 through 3 of the “mounting of Tube-Type Tires”. However, before inserting the flap into the tire, position two bead spreaders in the following manner:
   a. Place the first at a 90° angle to the valve. (Flap is positioned between the spreader and the tube.)
   b. Place the second directly opposite the first.
   c. Spread the beads and insert the flap.
   d. Close the beads, remove spreaders.
2. Follow steps 4 through 7 of the “Mounting of Tube-Type Tires”.

Mounting Tube-Type Tires Using Automatic Spreaders:

1. Spread the beads.
2. Inflate the tube to approximately 3 psi.
3. Insert the tube into the tire.
4. Insert the valve through the flap hole. (As mentioned, the flap reinforced valve area must face outwards.) Insert the remainder of the flap into the tire.
5. Close the beads.
6. Follow steps 4 through 7 of the “Mounting of Tube-Type Tires”.

Technical Data

Inflation of Tube-Type Tires

1. An air line with an extension (30" minimum), in-line gauge and clip-on valve chuck should be used for inflation. Remove valve core and lay the assembly flat on the ground. Using an OSHA-approved restraining device, inflate to 5 psi to seat beads. While the tire is still in the restraining device, make sure all rim components are centered and locked properly. If not, the tire must be deflated, broken down, relubricated and reinflated.
2. Deflate the tire by removing the air line. This allows the tube to relax, thus eliminating any wrinkles or uneven stretching that may have occurred during primary inflation.
3. Install the valve core and, using a safety cage or other OSHA-approved restraining device, reinflate the tire to the pressure shown on the sidewall in order to ensure proper bead seating, then adjust the tire to the proper operating pressure.
4. Reinspect the assembly for proper positioning of all components.
5. Check for leaks and install a metal or hard plastic valve cap.
6. Do not reinflate any tires that have been run under-inflated or flat without careful inspection for damage.

Tubeless Tire Mounting and Demounting

Reinflation of any type of tire/rim assembly that has been operated in a run-flat or under inflated condition (80% or less of recommended pressure) can result in serious injury or death. The tire may be damaged on the inside and can explode while you are adding air. The rim parts may be worn, damaged or dislodged and can explosively separate.

Demounting Tubeless Tires

1. Before loosening any nuts, deflate the tire by removing the valve core.
2. With the tire assembly lying flat, unseat the bead seat of both beads with a bead breaker tool. Do not use hammers of any type.
3. Apply a proper tire lubricant to the tire beads, rim ledges and flanges.
4. Beginning at the valve, remove the tire using tire irons designed for this purpose. Starting here will minimize chances of damaging the bead. Make certain that the flange with the tapered ledge that has the shortest span to the drop center is facing up. Always attempt to keep the bead not being worked by the irons in the full depth of the drop center cavity.

Mounting Tubeless Tires

1. Replace valve stem grommet and inspect valve stem for damage and wear. Replace valve stem if necessary.
2. Apply lubricant.
3. With the wheel/rim short ledge up, lay the tire over the rim at the valve side and work it on with proper tubeless tire tools, making full use of the drop center well.
4. Do not use any kind of hammer. Bead damage may occur leading to tire destruction and serious or fatal injury to you, or your customer.

Inflating Tubeless Tires

Reinflation of any type of tire/rim assembly that has been operated in a run-flat or under inflated condition (80% or less of recommended pressure) can result in serious injury or death. The tire may be damaged on the inside and can explode while you are adding air. The rim parts may be worn, damaged or dislodged and can explosively separate.

1. Lay tire/wheel assembly horizontally and inflate to no more than 5 psi to position the beads on the flanges.
2. To complete the seating of the beads, place the assembly in an OSHA-approved safety cage and inflate to 25 to 30 psi. Check the assembly carefully for proper bead seating and for any signs of distortion or irregularities from the run-flat.
3. If beads are properly seated, and if no damage is detected, continue to inflate to the maximum air pressure marked on the sidewall. If beads do not seat, deflate tire, relubricate the bead seats and reinflate.
4. After beads are properly seated, adjust tire pressure to recommended operating pressure. Check valve core for leakage, then install a metal or hard plastic valve cap.

Drive Axle Alignment

Drive axle alignment is very important. Tandem drive axles that are not parallel to each other have a definite effect on steer-tire wear.

Fig. 1 shows a model of a tandem-drive axle tractor with both drive axles in proper alignment. In this case, the driver simply steers the truck straight ahead and neither fast wear nor irregular wear would be expected as a result of the driving axles.

Fig. 1

Fig. 2

A more severe case is shown in Fig. 2. Here, the drive axles are neither parallel to each other nor perpendicular to the chassis center line. The drive axle tires are trying to force the vehicle to turn left and the driver must compensate by turning to the right. This will result in fast and irregular wear and, as recent tests have shown, in a much more severe way than the previous case. Tests also indicate that the steer tire on the same side of the truck, on which the drive tires are closest together, will wear into an out-of-round condition.

Vehicle Alignment

For best vehicle handling and tire life, proper vehicle alignment is required. For best readings on alignment settings, vehicle should be loaded. However, many vehicle manufacturers also have tolerances for alignment settings when vehicle is unloaded. Before starting, correct any air pressure differences in tires and make sure vehicle is on a level surface, with brakes off.

Technical Data

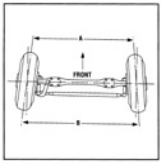
Drive Axle Recommendations

Irregular wear patterns on steer axle tires may come from misaligned drive axles and trailer axles, not to mention the obvious loss of tire mileage, vehicle handling and fuel economy. Drive and trailer axle alignment is normally set before steer-axle corrections are made.

Drive axles should be aligned in the following manner:

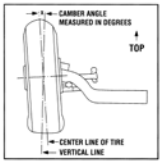
1. Position the drive axles perpendicular to the chassis center line.
2. For tandem drives, the drive axles should be positioned parallel to one another. Trailer axles should be aligned to the center line of the trailer pin at the start of settings.
3. Position axles to be perpendicular to the trailer center line and parallel to each other.

Front Axle Recommendations



TOE-IN

Toe-in-set close to zero as vehicle manufacturer's recommendations allow in loaded condition. Do not set beyond zero as a toe-out condition will develop.



CAMBER

Camber-set as close to zero degrees as the vehicle manufacturer's recommendations allow in loaded condition.

CASTER

Caster-set to the maximum positive setting that vehicle manufacturer's recommendations allow.

WARNING: There is a danger in installing a tire of one rim diameter on a rim of a different diameter. Always replace a tire on a rim with another tire of exactly the same rim diameter designation and suffix letters. For example a 16" tire goes with a 16" rim. Never mount a 16" size diameter tire on a 16.5" rim. While it is possible to pass a 16" diameter tire over the lip or flange of a 16.5" size diameter rim, it cannot be inflated enough to position itself against the rim flange. If an attempt is made to seat the tire bead by inflating, the tire bead will break with explosive force and could cause serious injury or death. Rims of different diameters and tapers cannot be interchanged.

Tire Maintenance

Inspect tire conditions regularly. Look for signs of sidewall bulges, cracking, cuts and stone retention in grooves. If you have a question or concern, consult your Sumitomo Tire dealer.

Tire Replacement

By Department of Transportation regulations, any trailer or drive axle tire is to be removed from service when there are only 2/32" of tread left (or 4/32" on steer axle tires) in any tread groove. Sumitomo advises that, as a rule of thumb, tires should be removed at 4/32" remaining tread to allow better casing recovery for retreading.

Proper Tire Inflation

It is advisable to check all tire inflation pressures before each trip, or at least weekly. The best time to obtain accurate readings is when tires are cool to the touch, before any distance is traveled. Consult the air pressure guidelines in this book, or refer to the tire sidewall or pressure charts from The Tire and Rim Association. When speeds are constantly above 70 m.p.h., it is recommended to use maximum air pressure for good wear and performance. For safety and ease of checking air pressure, metal flow-through valve caps should be used.

Tire Rotation

Because of vehicle specifications (wheelbase, horsepower, gears, suspension) and terrain, most tires used on drive axles wear faster on the rear-drive axle than on the front-drive axle. By cross rotating rear-axle tires to front-axle position, and front-axle tires moved to rear axle position, wear can be equally controlled on all drive positions, resulting in longer miles in service.

Practice Good Driving Habits

- Avoid fast starts and sudden stops.
- Avoid using only trailer brakes to slow vehicle.
- Avoid potholes and debris (safely).
- Avoid hitting curbs.
- Do not exceed speed limit.

Determining Correct Tire Pressure

A tire requires proper air pressure to adequately carry the load placed on it. The tires also provide traction for braking and steering. Since the loaded vehicle weight determines tire inflation pressure, all tire manufacturers offer a load/inflation table to help determine the proper pressure.

These tables reflect values taken from the Tire and Rim Association. In general, use these steps to determine correct air pressure:

1. Always check air pressure when ambient temperature is cold.
2. Confirm if tire will be used in a single or dual wheel position.
3. In either case, determine the total weight that is allowed on the axle. In the case of a STEER axle (using two tires) divide the value by two.
4. Compare this value with the following load inflation table, and use the corresponding air pressure.

Also consider operating speeds. Many tire manufacturers recommend maximum speeds for various tire applications. Consult your Sumitomo representative if you have questions.

The SPEED SYMBOL indicates the speed at which the tire can carry a load corresponding to its load index under normal service conditions suggested by Sumitomo.

The LOAD INDEX is a code which reflects the maximum load a tire can carry at the speed indicated by its SPEED SYMBOL, based on the service application suggested by Sumitomo.

Technical Data

S = Single D = Dual	PSI	65	70	75	80	85	90	95
8.25R15	S		2780	2930	3080	3200	3340	3470
	D		2700	2810	2930	3040	3150	3260
10.00R15	S		3780	3980	4170	4370	4540 (F)	4715
	D		3660	3830	3980	4130	4300 (F)	4470
9R17.5	S					3200	3340	3470
	D					3040	3150	3260
10R17.5	S					3860 (E)	4005	4150
	D					3640 (E)	3785	3930
11R17.5	S					4370	4540 (F)	4715
	D					4130	4300 (F)	4470
8R19.5	S		2540	2680	2835 (D)	2955	3075	3195 (E)
	D		2460	2570	2680 (D)	2785	2890	3000 (E)
8.25R20	S		3370	3560	3730	3890	4080 (E)	4235
	D		3270	3410	3550	3690	3860 (E)	4005
9.00R20	S		4080 (D)	4280	4480	4675 (E)	4850	5025
	D		3860 (D)	4045	4230	4410 (E)	4585	4760
10.00R20	S		4530	4770	4990	5220	5510 (F)	5730
	D		4380	4580	4760	4950	5205 (F)	5415
11.00R20	S		4940	5200	5450	5690	6005 (F)	6205
	D		4780	4990	5190	5390	5675 (F)	5785
12.00R20	S		5620	5920	6200	6480	6740	7160 (G)
	D		5440	5680	5910	6140	6360	6610 (G)
14/80R20	S						7595	7860
11.00R22	S		5240	5520	5790	6040	6395 (F)	6650
	D		5080	5300	5520	5730	5840 (F)	6095
11.00R24	S		5570	5860	6140	6420	6780 (F)	7060
	D		5390	5630	5860	6090	6175 (F)	6430
9R22.5	S		3370	3560	3730	3890	4080 (E)	4235
	D		3270	3410	3550	3690	3860 (E)	4005
10R22.5	S		4080	4280	4480	4675 (E)	4850	5025
	D		3860	4045	4230	4410 (E)	4585	4760
11R22.5	S		4530	4770	4990	5220	5510 (F)	5730
	D		4380	4580	4760	4950	5205 (F)	5415
12R22.5	S		4940	5200	5450	5690	6005 (F)	6205
	D		4780	4990	5190	5390	5675 (F)	5785
11R24.5	S		4820	5070	5310	5550	5840 (F)	6095
	D		4660	4870	5070	5260	5510 (F)	5675
215/75R17.5	S			3375	3540	3695	3860	4010
	D			3200	3350	3500	3650	3800
235/75R17.5	S				4200	4410	4615	4820
	D				3970	4170	4365	4555
245/70R17.5	S	3330	3505	3735	3915	4135	4310	4495
	D	3570	3760	4000	5190	4430	4610	4815
225/70R19.5	S		2895	3040	3195 (E)	3315	3450	3640 (F)
	D		2720	2860	3000 (E)	3115	3245	3415 (F)
245/70R19.5	S	3085	3265	3425	3640	3740	3890	4080 (F)
	D	2910	3070	3220	3415	3515	3655	3860 (F)
265/70R19.5	S	3415	3650	3830	3970	4180	4355	4540
	D	3195	3430	3600	3750	3930	4095	4300
245/75R22.5	S		3470	3645	3860	3975	4140	4300
	D		3160	3315	3525	3615	3765	3970
255/70R22.5	S				4190	4370	4550	4675
	D				3970	4110	4275	4410
275/70R22.5	S							5400
	D							4980
295/75R22.5	S		4500	4725	4940	5155	5370	5510 (F)
	D		4095	4300	4540	4690	4885	5070 (F)
315/80R22.5	S			5875	6175	6415	6670	6940 (G)
	D			5345	5675	5840	6070	6395 (G)
385/65R22.5	S		6380	6720	6940	7350	7650	8050
425/65R22.5	S		7590	7990	8270	8740	9100	9370
445/65R22.5	S		8230	8660	9090	9480	9870	10200 (H)
285/75R24.5	S			4770	4940	5210	5450	5675 (F)
	D			4340	4540	4740	4930	5205 (F)

100	105	110	115	120	125	127	130	135
3590	3750 (F)	3860	3970	4080 (G)				
3360	3525 (F)	3635	3745	3860 (G)				
4890	5070 (G)	5270	5470	5675 (H)				
4640	4805 (G)	4990	5175	5355 (H)				
3590	3750 (F)	3860	3970	4080 (G)	4190		4300	4410 (H)
3360	3525 (F)	3635	3745	3860 (G)	3970		4080	4190 (H)
4300 (F)	4235	4390	4540 (G)					
4080 (F)	4470	4640	4805 (G)					
4890	5070 (G)	5270	5470	5675 (H)				
4640	4805 (G)	4990	5175	5355 (H)				
3305	3415	3525 (F)						
3100	3200	3305 (F)						
4390	4540 (F)	4675	4810	4940 (G)				
4150	4300 (F)	4425	4550	4675 (G)				
5205 (F)	5360	5515	5675 (G)					
4940 (F)	5080	5220	5355 (G)					
5950	6175 (G)	6320	6465	6610 (H)				
5625	5840 (G)	5895	5950	6005 (H)				
6405	6610 (G)	6870	7130	7390 (H)				
5895	6005 (G)	6265	6525	6780 (H)				
7380	7600	7830 (H)	8050	8270 (J)				
6790	6970	7160 (H)	7390	7610 (J)				
8110	8365	8610	8850	9095 (J)				
6910	7160 (G)	7380	7600	7830 (H)				
6350	6610 (G)	6790	6970	7160 (H)				
7340	7610 (G)	7830	8050	8270 (H)				
6690	6940 (G)	7160	7380	7610 (H)				
4390	4540 (F)	4675	4810	4940 (G)				
4150	4300 (F)	4425	4550	4675 (G)				
5205 (F)	5360	5515	5675 (G)					
4940 (F)	5075	5210	5355 (G)					
5950	6175 (G)	6320	6465	6610 (H)				
5625	5840 (G)	5895	5950	6005 (H)				
6405	6610 (G)	6870	7130	7390 (H)				
5895	6005 (G)	6265	6525	6780 (H)				
6350	6610 (G)	6790	6970	7160 (H)				
5840	6005 (G)	6205	6405	6610 (H)				
4065	4225	4385	4545	4705	4805 (H)			
3840	3995	4145	4295	4445	4540 (H)			
5025	5225	5420	5620	5810	6005 (J)			
4745	4935	5125	5310	5495	5675 (J)			
4685	4850	5070	5225	5410		5675		
5015	5190	5425	5600	5800		6005		
3715	3845	3970 (G)	4100	4190 (H)				
3490	3615	3750 (G)	3855	3970 (H)				
4190	4335	4540 (G)	4620	4805 (H)				
3940	4075	4300 (G)	4345	4540 (H)				
4685	4850	5070 (G)						
4405	4415	4675 (G)						
4455	4610	4675 (G)						
4055	4195	4300 (G)						
4895	5065	5205 (G)	5400	5510 (H)				
4455	4610	4675 (G)	4915	5070 (H)				
5630	5850	6070	6290	6510	6730		6940 (H)	
5180	5390	5590	5800	6000	6200		6395 (H)	
5780	5980	6175 (G)	6370	6610 (H)				
5260	5440	5675 (G)	5795	6005 (H)				
7190	7440	7610 (H)	7920	8270 (J)	8690		9090 (L)	
6545	6770	6940 (H)	7210	7610 (J)	7910		8270 (L)	
8230	8510	8820	9050	9370 (J)				
9790	10100	10500 (J)	10700	11400 (L)				
10600	11000	11400	11700	12300 (L)				
5835	6040	6175 (G)	6440	6780 (H)				
5310	5495	5675 (G)	5860	6175 (H)				

Technical Data

Truck Tire Warnings!

IMPORTANT: Be sure to read this safety information. Make sure that everyone who services tires or vehicles in your outlet has read and understands these warnings.

SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FOLLOW SAFETY WARNINGS.

No matter how well any tire is constructed, punctures, impact damage, improper inflation, improper maintenance or service factors may cause serious tire failure creating a risk of property damage and serious or fatal injury to you, and/or your customer.

Encourage your customers to examine their tires frequently for snags, bulges, excessive treadwear, separations or cuts. If such conditions appear, advise them to demount the tire, use the spare and see you immediately. If you spot any of the above conditions bring them to the customer's attention immediately. For safety, comply with the following warnings.

Tire and rim servicing can be dangerous and must be done only by trained personnel using proper tools and procedures. Failure to read and comply with all procedures may result in serious injury or death to you or others.

Reinflation of any type of tire/rim assembly that has been operated in a run-flat or under-inflated condition (80% or less of recommended pressure) can result in serious injury or death. The tire may be damaged on the inside and can explode while you are adding air. The rim parts may be worn, damaged or dislodged and can explosively separate.

Use of starting fluid, ether, gasoline or any other flammable material to lubricate, seal or seat the beads of a tubeless tire can cause the tire to explode or can cause the explosive separation of the tire/rim assembly resulting in serious injury or death. The use of any flammable material during tire servicing is absolutely prohibited.

Any inflated tire mounted on a rim contains explosive energy. The use of damaged, mismatched or improperly assembled tire/rim parts can cause the assembly to

burst apart with explosive force. If you are struck by an exploding tire, rim part or the air blast, you can be seriously injured or killed.

Re-assembly and the inflation of mismatched parts can result in serious injury or death. Just because parts come in together does not mean that they belong together. Check for proper matching on all rim parts before putting any parts together.

Mismatching tire and rim diameters is dangerous. A mismatched tire and rim assembly may explode and can result in serious injury or death. This warning applies to 14", 14.5", 16" and 16.5" tires and rims as well as other similarly mismatched size combinations. Never assemble a tire and rim unless you have positively identified and correctly matched the parts.

If the tire is 20% below the recommended operating pressure it must be considered flat. The tire must be removed, dismounted and inspected for punctures or other damage.

Mounting And Demounting

A tire cannot perform properly unless it is mounted properly on the correct size rim or wheel. The following are general instructions for demounting and mounting tube-type and tubeless tires. For detailed instructions on mounting and demounting truck tires on particular types of rims and wheels, refer to the instructions of the rim and wheel manufacturer or the Rubber Manufacturer Association (RMA) wall charts.

1. SELECTION OF PROPER COMPONENTS AND MATERIALS:

a. All tires must be mounted with the proper tube and flap (if required) and rim or wheel as indicated in the application data books.

b. Make certain that rim/wheel components are properly matched and of the correct dimensions for the tire.

c. Always fit new tube in a new mounting. Since the tube will exhibit growth in size through normal use, an old tube used in a new mounting increases the possibility of tube creasing and chafing, possibly resulting in failure.

d. Always install a new flap in a new mounting. A flap through extended use becomes hard and brittle. After limited time, it will develop a set to match the tire and rim in which it is fitted. Therefore, it will not exactly match a tire/rim combination.

e. Always install new valve cores, and metal or hard plastic valve caps containing plastic or rubber seals. On tubeless truck tire valve stems, replace the rubber grommet. For tires requiring 'O' Rings, be sure to install a new one at every tire change.

f. Always use a safety device such as an inflation cage or other OSHA-approved device when inflating. Never stand over tire or in front of a tire when inflating. Always use a clip-on valve chuck with hose extension and stand to the side when inflating.

2. TIRE AND RIM LUBRICATION:

It is essential that an approved vegetable oil base soap solution tire lubricant be used for mounting of tubeless and tube-type tires. The lubricant serves the following purposes:

- Minimizes the possibility of damage to the tire beads from the mounting tools.
- Eases the insertion of the tire onto the rim by lubricating all contacting surfaces.
- Assists proper bead seating (tire/rim centering) and helps prevent eccentric mountings.

A. TUBELESS TIRES - Apply lubricant to all surfaces of the bead area of the tire. When applying lubricant to the rim, lubricate the entire rim surface from flange to flange.

B. TUBE-TYPE TIRES - Apply clean lubricant to all portions of the tire bead area and the exposed portion of the flap using sufficient but sparing quantities of lubricant. Also lubricate the entire rim surface. Avoid using excessive amounts of lubricant which can become trapped between the tire and tube can, resulting in tube damage and rapid air loss.

CAUTION: It is important that tire lubricant be clean and free of dirt, sand, metal shavings or other hard

particles. The particles may lodge between the tube and the flap edges, resulting in splits in the tube. The following practice is recommended:

a. Use a fresh supply of tire lubricant each day, drawing from a clean supply and placing the lubricant in a clean portable container.

b. Provide a cover for the portable container and/or other means to prevent contamination of the lubricant when not in use.

We suggest the following method, which has proven to be successful in minimizing contamination and preventing excess lubricant from entering the tire casing: Provide a special cover for the portable container that has a funnel-like device attached. The small opening of the funnel should be sized so that when a swab is inserted through the opening into the reserve of lubricant and then withdrawn, the swab is compressed, removing excess lubricant. This allows the cover to be left in place, providing added protection. A mesh false bottom in the container is a further safeguard against contaminants. The tire should be mounted, and inflated promptly before lubricant dries.

3. PREPARATION OF WHEELS, RIMS AND TIRES:

Never weld or apply heat to a rim or wheel on which a tire is mounted.

a. Always wear safety goggles or face shields when buffing or grinding rims or wheels.

b. Inspect wheel/rim assemblies for cracks, distortion, deforming of flanges, side rings, lock rings, etc. Using a file and/or emery cloth, smooth all burrs, welds, dents, etc. that are present on the tire side of the rim. Inspect the condition of bolt holes on the wheels.

c. Remove rust with a wire brush and apply rust inhibiting paint.

d. Remove any accumulation of rubber or grease which might be stuck to the tire, being careful not to damage it. Wipe the beads down with a dry rag.

e. Make sure there is no water, dirt or foreign material inside the tire before inserting the tube.

Technical Data

SIZE	ST788SE ST778+ SE	ST948SE ST938	ST710SE	ST719SE ST709SE	ST909	ST908	ST718	ST918
8.25R15								
10.00R15								
9R17.5								
10R17.5								
11R17.5								
215/75R17.5								
235/75R17.5								
245/70R17.5								
8R19.5							F	
225/70R19.5					G			F/G
245/70R19.5					H			G
265/70R19.5								
8.25R20								
9.00R20								
10.00R20								
11.00R20								
12.00R20								
14/80R20								
11.00R22								
9R22.5								
10R22.5								
11R22.5	H/H	H/H	G	H/H	H	H		
12R22.5					H			
315/80R22.5								
295/75R22.5	H/G	G/G	G	H/G	H			
245/75R22.5								
255/70R22.5					H	H		
275/70R22.5								
385/65R22.5								
425/65R22.5								
445/65R22.5								
11.00R24								
11R24.5	H/H	H/H	G	H/H	H			
285/75R24.5		G/G	G		G			

ST719	ST727 ST717	ST538	ST518	ST508	ST530	ST720	ST770	ST900	ST901
	G								
	G								
	H								
	G								
H									
J									
J									
F/G									
G/H									
H									
	G								
	F								
	H								
	G								
	G								
	H	H						H*	
	H		H					H*	
L		L							
G									
H									
H									
					J	J	J		
					L	L			
					M	L			
				H					
	H	H						H*	H

* Speed Restricted to 55 mph.

Medium Radial Truck Tire Limited Warranty

General

TBC Brands extends to "you," the original purchaser of a Sumitomo Medium Radial Truck Tire, the following two separate limited warranties and coverage benefits: (1) a limited warranty with respect to defects in material, workmanship or design (the "Limited Warranty for Defects"); and (2) a limited radial casing retread warranty (the "Casing Retread Limited Warranty"). You are eligible for the benefits of this limited warranty if: (a) you purchased the Sumitomo Medium Radial Truck Tire after March 1, 2017, (b) you are the original owner of the Sumitomo Medium Radial Truck Tire, (c) the Sumitomo Medium Radial Truck Tire bears the prescribed Department of Transportation (DOT) identification number, (d) the Sumitomo Medium Radial Truck Tire has been continuously installed on the vehicle on which it was originally installed, and (e) no warranty exclusion or exception identified in this Limited Warranty applies.

Limited Warranty for Defects

A Sumitomo Medium Radial Truck Tire covered by this Limited Warranty will be replaced with a comparable new Sumitomo Medium Radial truck Tire or comparable medium radial truck tire marketed by TBC Brands without charge for the tire if it becomes unserviceable due to a defect in design, workmanship, or material during the first 2/32nds of Usable Tread wear for up to six (6) years from the original purchase date (without proof of purchase, the tire's date of manufacture will be used to determine age). You, however, are responsible for any charges for mounting and balancing the replacement tire as well as any applicable taxes or other related fees.

If a Sumitomo Medium Radial Truck Tire becomes unserviceable due to defect in design, workmanship, or material after the first 2/32nds of Usable Tread is worn, you will be entitled to a prorated percentage allowance applicable to the purchase price of a comparable new Sumitomo Medium Radial Truck tire, if such tire is not available, with a comparable medium radial truck tire marketed by TBC Brands. The amount of the allowance is determined based on the percentage of the original "Usable Tread" remaining when the tire is presented for adjustment. This percentage is applied to the new warranty replacement tire's purchase price. You are responsible for paying for the remainder of the purchase price of the warranty replacement tire after the appropriate warranty allowance is deducted plus the charges for mounting and balancing the replacement tire as well as any applicable taxes or other related fees. Once the Usable Tread of a Sumitomo Medium Radial Truck tire has been exhausted the coverage and benefits of this Limited Warranty for Defects will terminate. However, a Casing Retread Limited Warranty allowance may apply.

Computing Remaining Useable Tread

The remaining "Usable Tread" of your Sumitomo Medium Radial Truck Tire is computed as a percentage of the original new Sumitomo Medium Radial Truck Tire's Usable Tread depth. These depths vary by tire model and size. The original Usable Tread does not include the last 2/32nd inch (1.6 millimeters) of tread depth because tires with 2/32nd inch (1.6 millimeters) of tread depth are unsafe and should be replaced. Because tires do not always wear evenly, tread depth may vary depending where on the tire's tread depth is measured. The lowest depth on the tire is used to determine the remaining Usable Tread for purposes of warranty replacement or allowance and whether the tire casing may be retreaded.

Casing Retread Limited Warranty

Sumitomo Medium Radial Truck Tire casings carry a Casing Retread Limited Warranty that is extended to the original purchaser for a six (6) year period following the tire's original purchase date. However, the Casing Retread Limited Warranty terminates if the tire's casing has been the subject of two retreadings. Sumitomo Medium Radial Truck Tires used in off-highway service (such as mining & Loggings) are excluded entirely from the casing Retread Limited Warranty.

If a Casing Retread Limited Warranty applies, the original purchaser shall receive the predetermined casing allowance set forth in the table below based on the Sumitomo Medium Radial Ruck Tire model and size purchased towards the purchase of a comparable new Sumitomo Medium Radial Truck Tire or, if such tire is not available, towards the purchase of a comparable medium radial truck tire marketed by TBC Brands.

Tire Size	Original Tread	1st & 2nd Retread
8.25R15, 10.00R15	$60	$40
All 17.5 Sizes	$60	$40
8R19.5	$60	$40
8.25R20	$60	$40
225, 245, 265/70R19.5	$80	$60
9.00R20	$80	$60
9R22.5 / 10R22.5	$80	$60
255/70R22.5	$80	$60
245/75R22.5	$80	$60
275/70R22.5	$100	$80
10.00R20 / 11.00R20	$100	$80
11R22.5 / 11R24.5	$120	$100
295/75R22.5 / 285/75R24.5	$120	$100
13/80R20 / 14/80R20	$120	$100
12.00R20	$120	$100
12R22.5	$120	$100
315/80R22.5	$120	$100
385, 425, 445/65R22.5	$120	$100

Definition Of A Comparable Tire

For the purposes of your Limited Warranty for Defects and Limited Casing Retread Warranty, a new "comparable" warranty replacement tire will be supplied or a warranty allowance will be applied to a "comparable" replacement tire if a matching new Sumitomo Medium Radial Truck Tire is out of production or is unavailable when the tire is presented for warranty replacement or allowance. In such cases, the replacement tire will be or the warranty allowance shall be applied to a "comparable" substitute medium radial truck tire of equal price, quality and construction available from TBC Brands. However, a "comparable" medium radial truck tire may have a different sidewall or tread configuration. If the purchaser requests that its warranty replacement or allowance be applied to or towards a higher-priced tire instead of a matching Sumitomo Medium Radial Truck Tire or a comparable medium radial truck tire available from TBC Brands, the purchaser must pay the price difference for the replacement tire after the appropriate replacement price or prorated allowance has been deducted. If the purchaser requests replacement with a lower priced medium radial truck tire available from TBC Brands, no refund or cash back shall be given because of the price difference.

Limited Warranty Claim Procedures

Please call TBC Brands' warranty toll-free number at: **1-800-238-6469**. Please be prepared to provide proof of purchase of the product and purchase date. Our Product Warranty Specialist will confirm the coverage of the Sumitomo Medium Radial Truck Tire Limited Warranty and discuss your tire issue with you. They will find a Sumitomo Medium Radial Truck Tire dealer nearest to you whom you may take your Sumitomo Medium Radial Truck Tire to for inspection and any applicable warranty adjustment. TBC Brands will work with the tire dealer to supply a replacement Sumitomo Medium Radial Truck Tire or comparable tire in an efficient manner. The authorized dealer has no authority or responsibility to make the determination as to eligibility for coverage under the warranty

The original Purchaser must comply with each of the following procedures to qualify for any warranty replacement or allowance provided under the Limited Warranties set forth above.

1. Present the unserviceable medium radial truck tire together with any tube & flap used with that tire, to an authorized Sumitomo tire distributor;
2. Complete and sign a Sumitomo tire claim form provided by that distributor;
3. Present to that distributor any evidence that may be necessary to establish entitlement to a replacement or allowance under the limited Warranties set forth above (e.g., proof that claimant is the original purchaser of the tire.); and
4. Pay any applicable replacement tire price differentials, any distributor charges (e.g., those for mounting or balancing), and any applicable federal, state, or local taxes.

Warranty Exclusion & Limitations

The Limited Warranty for Defects and the Limited Casing Retread Warranty will not apply if any of the below listed exclusions or limitations are applicable and/or if any limitation or exclusions set forth in any other section of this document are applicable. Therefore, you should read all sections of the Sumitomo Medium Radial Truck Tire Limited Warranty document carefully.

List:

- Tires installed on a vehicle registered or normally used outside the United States or Canada;
- The tire was transferred to another vehicle after it was originally installed;
- The tire is branded as "Blemish" or "NA" or the molded DOT number has been removed or disfigured;
- The tire was repaired only with a self-vulcanizing plug, improper section repairs or in a manner that does not comply strictly with the Rubber Manufacturers Association's standards for tire repair, e.g., failure to dismount punctured tires for repair;
- Tire failures caused by road hazard, potholes, or collision damage;
- Vandalism, theft, long-term improper storage or other willful abuse;
- Improper mounting procedures, improper fitments or applications;
- Tires placed in off-highway service, such as mining or logging environments;
- Over and under inflation, overloading, or failure to maintain proper tire pressure;
- Addition of liquids, solids or gases (other than air, nitrogen, carbon dioxide) such as sealers or balancing materials;
- Ozone or weather cracks or checking occurring Six (6) years after the date of purchase or, if that proof is not available, six (6)years after the DOT serial date;
- Mechanical failures, improper alignment, or brake and shock failure;
- The wheel on which the tire is mounted is defective or fails; and
- Tires with "irregular tread wear" (which is defined as a tread groove depth differences of 2/32nds of an inch or more on the same tire).

NOTE: This warranty gives you specific rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or a limit on how long an implied warranty may last, so certain limitations or exclusions herein may not apply to you. However, to the extent permitted by the laws of your state, TBC Brands disclaims all express or implied warranties other than the warranties stated in this limited warranty, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Any implied warranty of merchantability, fitness for a particular purpose or otherwise is limited in duration and expires when the tire's Usable Tread is exhausted as specified in this limited warranty. To the extent permitted by law, this warranty does not cover and expressly excludes any coverage or liability for punitive or Special damages, for loss of time, inconvenience, loss of use of your vehicle or tire, lost profits or opportunity, loss of Good Will, or any other indirect, incidental or consequential damages. This is the only warranty that applies to the Sumitomo medium truck tires purchased by you and supersedes and replaces the terms of any previous warranty. Nothing in this Limited Warranty is intended to be a representation that tire failures cannot occur. TBC Brands neither assumes nor extends, nor authorizes any other person or entity to assume or extend on its behalf, any additional or different warranty obligations or remedies. The limited warranties set forth above are the entire warranties given by TBC Brands. The Remedies set forth in this warranty do not include a cash refund in lieu of a warranty replacement or warranty allowance.

SUMITOMO TIRES

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