

USER INFORMATION:

Only specially trained personnel should mount tires. Failure to comply with these tire demounting/mounting safety precautions can cause the bead to break and the assembly to burst with sufficient force to cause serious injury or death.

- Always deflate tire completely before removing lock or side rings.
 - Never use wheels of different manufacturers or different sizes.
 - Never mount tires on wheels which are damaged or not smooth and clean.
 - Always clean and inspect wheel. Lubricate beads [and rim flanges for tubeless types], tube and rim side of flap with an approved rubber lubricant.
 - Always be sure that all wheel components are properly seated before inflating.
 - Always use an extension hose with gauge and clip-on chuck.
 - Never inflate beyond 1.5bar prior to placing the tire/ wheel assembly in a safety cage.
 - Always use a safety cage or other restraining device when inflating the tire to seat the beads and/or inflating the tire to normal operating inflation pressure.
 - Never stand, lean or reach over the tire/wheel assembly during inflation.
 - After beads are fully seated, adjust the tire to recommended inflation pressure of vehicle manufacturer.
 - Never mount radials and bias tires on the same axle. Follow vehicle manufacturer’s recommendations.
 - Tires must be removed from the vehicle when remaining tread depth reaches regulated minimum tread depth in a country.
- Stones, gravel and other foreign objects stuck in the tire treads may damage the tire. Remove foreign objects from the treads.
 - Objects in the road such as potholes, glass, metal, rocks, wood debris, kerbstones and the likes that could damage a tire should be a safely avoided.
 - To preserve traffic safety and tire life, YOKOHAMA recommends driving safely and avoiding from hard acceleration, braking or cornering in unnecessary situation.
 - When you feel the vehicle unstable or feel unusual noise or vibration, stop your vehicle in a safe place and inspect tires. Even if no visible defects are found, drive slowly and ask your tire dealer to inspect such tire as soon as possible.

Never use a tire under the following conditions and replace such tire immediately:

- If the tread has worn to the tread wear indicator.
- If breaks in the fabric appear.
- If cords or wires are exposed.

Moisture in a tire can damage the casing. Stock tires in dry area. Dry interior before mounting. Inflate with dry air.

DISTRIBUTED BY:



2025-2026 Truck & Bus Radials

Product Line up



Steer axle/All positions												
												
126S M+S	106ZS M+S	110L M+S Depend on sizes	107ZL	RY237	112R	124R M+S	104ZR M+S Depend on sizes	RY023	505C (A)	MY507 M+S	MY547 M+S	RY537 M+S Depend on sizes
P. 4	P. 4	P. 4	P. 5	P. 5	P. 7	P. 7	P. 8	P. 8	P. 9	P. 10	P. 10	P. 12
Long Distance Transport		●	●	●	●							
Regional Distance Transport		●	●			●	●	●	●			
On/Off Road Short Distance Transport									●	●	●	
City Bus/Coach				*For Coach ●			*For Coach ●	*For Coach ●	*For Coach ●			*For City Bus ●

Drive Axle						Trailer Axle					
											
707L M+S	TY517(E) M+S Depend on sizes	704R M+S	TY607 M+S	LY717 M+S	LY053	RY253	RY357	RY023T	505C (A)	MY507A M+S	
P. 5	P. 6	P. 8	P. 8	P. 10	P. 11	P. 6 P. 9	P. 6 P. 9	P. 8	P. 8	P. 11	
Long Distance Transport		●	●				●	●			
Regional Distance Transport			●	●			●	●	●		
On/Off Road Short Distance Transport					●	●			●	●	
City Bus/Coach											
Light Truck		 LT151R P. 12									



Steer axle

126S M+S

Advanced steer and all-position tire, designed for long - regional operations.

- Serpentine and wavy grooves for impressive traction, reduced shoulder step-down and irregular wear.
- Deep wavy sipes and shallow grooves for optimized contact pressure and anti-uneven-wear performance.
- Straight driving stability by rigid shoulder ribs with shallow design groove.
- Reduced stone bite and damage due to wavy grooves and stone ejectors.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
126S	385/65R22.5	18	158L	TL	378	1075	497	11.75	11.75, 12.25



Steer axle

106ZS M+S

New wide base steer axle tire engineered with innovative “Zenvironment” technologies for ordinal Longhaul & regional operations.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
106ZS	385/65R22.5	18	158L	TL	378	1075	497	11.75	11.75, 12.25



Steer axle

110L M+S

Depend on sizes

YOKOHAMA’s advanced steer and all-position tire, with innovative BluEarth concept and SPIRALOOP technology for highway operations.

- Zero degree joint-less circumferential direction belt controls the shoulder area casing growth and increases anti-irregular wear performance and shoulder area durability.
- *Depend on sizes
- Contact Pressure Equaliser Sipe optimises rib contact pressure for anti uneven wear and improves wet handling and braking.
- Wavy Grooves reduce stone damage and improve uneven wear performance.
- SC-SIPE (Stress-Wear Control Sipe) design improves abnormal wear on rib edges.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
110L	315/60R22.5	-	154/148L	TL	313	946	439	9.75	9.00, 9.75
	315/80R22.5	-	156/150L (154/150M)	TL	314	1072	496	9.00	9.00, 9.75



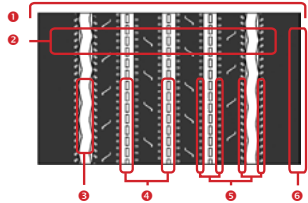
Steer axle

107ZL

New highway steer tire engineered with innovative “Zenvironment” technologies for ordinal highway operations.

- Newly-developed tread compound under “Zenvironment” technology provides longer mileage and better fuel economy.
- New casing compound under “Zenvironment” technologies extend casing life for multi-retread.
- The 6-rib tread design is the perfect steer position high performer. Now enhanced with over 6,000 sipes, this premium feature provides excellent water evacuation and uniform wear.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
107ZL	295/80R22.5	16	152/148M	TL	303	1053	489	9.00	8.25, 9.00
	315/70R22.5	16	156/150L (154/150M)	TL	313	1017	473	9.00	9.00, 9.75
	315/80R22.5	20	156/150L (154/150M)	TL	314	1075	499	9.00	9.00, 9.75



- ① Tread design with special contoured design of the groove walls
- ② Newly-developed Tread Compound/ Deep Tread
- ③ Wavy Grooves
- ④ Stone Ejectors
- ⑤ SC-Sipe
- ⑥ SC-Groove



Steer axle

RY237

Steer axle tire engineered with advanced YOKOHAMA’s technologies for long-haul operation.

- The wide tread design with YOKOHAMA’s original SC Groove (Stress-wear Control Groove) is engineered to reduce irregular tread wear and increase mileage.
- YOKOHAMA latest profile & construction improves retreadability and durability by extending casing life.



SC Groove
To improve the shoulder “Step-Down Wear”.

*SC : Stress-wear (uneven wear) Control

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY237	10.00R20	16	148/145L	TT	277	1050	499	7.50	7.00, 7.50, 8.00
	11.00R20	16	150/146L	TT	293	1080	505	8.00	7.50, 8.00, 8.50
	225/80R17.5	-	123/122L	TL	216	805	363	6.75	6.00



Drive axle

707L M+S

Advanced long-haul drive axle tire with innovative for Longhaul operations.

- Tread compound for long tread life and reliable wet traction.
- Rigid shoulder ribs with shallow open lugs improve uneven wear performance.
- Small pitch Blocks increase anti irregular wear performance and support wet and snow traction.
- Step grooves reduce stone damage.
- Directional pattern helps to reduce the rolling resistance of the tire.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
707L	315/60R22.5	-	152/148L	TL	310	956	441	9.00	9.00,9.75
	315/70R22.5	-	154/150L(152/148M)	TL	314	1019	472	9.00	9.00,9.75
	315/80R22.5	-	156/150L(154/150M)	TL	314	1078	502	9.00	9.00,9.75



Availability of products shown in this document may vary from country to country. Please consult your YOKOHAMA distributor for local availability. Some tires carry a second load/speed index marking which indicates supplementary operational possibilities.

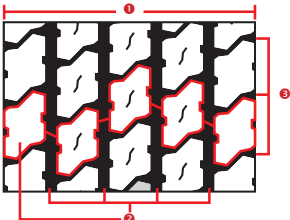


Drive axle

TY517(E) M+S
Depend on sizes

Drive axle tire designed with YOKOHAMA's advanced technologies for long-haul operation.

- Wide & deep tread design produces long tread life.
- Alternated tread block design with 4-straight wide grooves increases even wear without sacrificing wet traction.
- Shallow lug grooves at shoulder minimises shoulder heel & toe wear.



- ① Wide & Deep tread
- ② Alternated tread block with 4-straight wide grooves
- ③ Shallow lug grooves



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
TY517(E)	*11R22.5	16	148/145M	TL	275	1069	501	8.25	7.50, 8.25
	295/80R22.5	-	152/148M	TL	299	1064	478	9.00	8.25, 9.00
	295/60R22.5	-	150/147L	TL	291	933	427	9.00	9.00, 9.75
	315/80R22.5	18	154/150M (156/150L)	TL	314	1089	488	9.00	9.00, 9.75

*=TY517 available size

Trailer axles

RY253

Wide base Long haul/Regional use tire engineered primarily for the trailer axles. RY253 can be used on steer axle to deliver handling performance & shoulder wear resistance.

- 6-rib tread design enhances even wear & wet traction.
- Retreadability from a specially constructed casing.



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY253	425/65R22.5	20	165K	TL	422	1126	520	13.00	12.25, 13.00, 14.00

Trailer axles

RY357

Wide base highway/regional use tire for the trailer axles. The RY357 delivers long mileage & shoulder wear resistance on trailer axle use.

- 5-rib tread design enhances even wear and wet traction.
- Specially constructed casing makes this tire well-suited for retreading.



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY357	385/55R22.5	18	160J (158L)	TL	380	998	460	12.25	11.75, 12.25
	385/65R22.5	18	160J (158L)	TL	380	1074	497	11.75	11.75, 12.25

Steer/All Position

112R

Specially designed for ASEAN market

- Enhanced cut resistance and chipping compared with 104ZR
- Wide tread enhances wear resistance and high grip
- Adopt new pattern considering chipping

Tread & Side Design

Tread Pattern

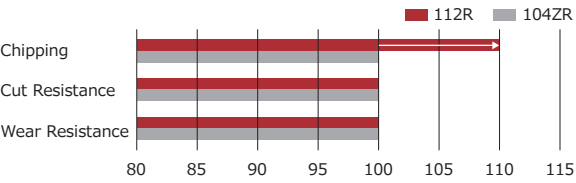
Side Branding



CAP Compound

Featured performance - Cut resistance
Adopting "High grade carbon" makes it strong for cut & chipping.
High elongation at break improves cut resistance performance.

Performance chart



Improved chipping performance by 10% compared with 104ZR.

Profile comparison

10% wider than 104ZR



Improved anti cut performance by wider profile with high rigidity ribs.



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
112R	11R22.5	16	148/145M	TL	278	1052	493	8.25	7.50, 8.25
	295/80R22.5	16	152/148M	TL	303	1052	491	9.00	8.25, 9.00

Steer axle

124R M+S

Steer axle and all-position tire, developed for regional transport service.

- Extra wide tread design for long tread life and wet/snow traction. Serpentine and wavy grooves reduce premature shoulder step-down and irregular wear.
- Deep wavy sipes and shallow grooves improve wet/snow traction and contact pressure/uneven wear performance.
- Minimised stone holding and penetration due to wavy grooves and stone ejectors.
- Rigid shoulder ribs with shallow design groove improve shoulder step-down wear and straight driving stability.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
124R	295/80R22.5	18	154/149M	TL	303	1053	474	9.00	8.25, 9.00
	305/70R22.5	20	152/150L	TL	304	998	452	9.00	8.25, 9.00
	315/70R22.5	-	156/150L	TL	314	1018	472	9.00	9.00, 9.75
	315/80R22.5	20	156/150L(154/150M)	TL	314	1079	502	9.00	9.00, 9.75
	205/75R17.5	-	124/122M	TL	208	762	343	6.00	5.25, 6.00, 6.75
	215/75R17.5	14	126/124M	TL	215	774	349	6.00	6.00, 6.75
	235/75R17.5	14	132/130M	TL	238	801	363	6.75	6.75, 7.50
	245/70R19.5	14	133/131M	TL	246	848	386	7.50	6.75, 7.50
	245/70R19.5	16	136/134M	TL	246	848	386	7.50	6.75, 7.50
	265/70R19.5	14	140/138M	TL	261	868	393	7.50	6.75, 7.50, 8.25
	285/70R19.5	16	146/144M	TL	284	891	402	8.25	7.50, 8.25, 9.00

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Steer axle

104ZR

M+S
Depend on sizes

Steer axle tire engineered with innovative “Zenvironment” technologies for regional/highway service.

- The 5-rib tread design with straight grooves enhances even wear & wet traction.
 - SC-SIPE (Stress-Wear Control SIPE) design improves abnormal wear on rib edges.
 - Newly-designed stone ejectors and wavy grooves minimize stone holding & penetration in ordinal regional operation.
 - Newly-developed tread compound under “Zenvironment” technology provides longer mileage and better fuel economy.
- This technology is available in major product sizes.
- New casing compounds under “Zenvironment” technologies extend casing life for multi-retread.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
104ZR	9R22.5	14	136/134L	TL	231	969	454	6.75	6.00, 6.75, 7.50
	11R22.5	16	148/145M	TL	277	1056	493	8.25	7.50, 8.25
	295/80R22.5	16	152/148M	TL	303	1057	491	9.00	8.25, 9.00
	315/80R22.5	20	156/150L (154/150M)	TL	314	1080	499	9.00	9.00, 9.75



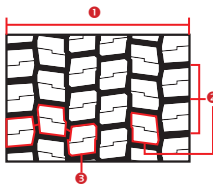
Drive axle

TY607

M+S

Drive axle tire for regional operation.

- Extra deep tread design with wide tread produces long tread life for regional service.
- Aggressive block tread with lateral lug grooves delivers excellent wet traction.
- Alternated block placement with short blocks enhances even wear.



- ① Extra deep design with wide tread
- ② Aggressive block tread with lateral lug grooves
- ③ Alternated block placement with short blocks

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
TY607	11R22.5	16	148/145M	TL	277	1064	499	8.25	7.50, 8.25
	295/80R22.5	16	152/148M	TL	303	1068	497	9.00	8.25, 9.00
	315/80R22.5	18	154/150M (156/150L)	TL	316	1093	510	9.00	9.00, 9.75



Steer/Trailer axles

RY023

(RY023T)

Steer axle tire for regional/highway service. (RY023T with higher load index only for trailer use.)

- Wide 5-rib design delivers long mileage & shoulder wear resistance on steer axle use.
- Deep sub-grooves on ribs enhance wet traction.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY023	215/75R17.5	-	126/124M	TL	215	776	360	6.00	6.00, 6.75
	235/75R17.5	-	132/130M	TL	238	805	372	6.75	6.75, 7.50
RY023T	215/75R17.5	-	135/133J	TL	215	776	360	6.00	6.00, 6.75
	235/75R17.5	-	143/141J	TL	238	805	372	6.75	6.75, 7.50
	265/70R19.5	-	143/141J	TL	262	870	402	7.50	7.50, 8.25



Trailer axles

RY253

Wide base Long haul/Regional use tire engineered primarily for the trailer axles.

RY253 can be used on steer axle to deliver handling performance & shoulder wear resistance.

- 6-rib tread design enhances even wear & wet traction.
- Retreadability from a specially constructed casing.

SIZE	PATTERN	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY253	385/65R22.5	18	158L(160J)	TL	376	1076	483	11.75	11.75, 12.25
	425/65R22.5	20	165K	TL	422	1126	520	13.00	12.25, 13.00, 14.00



Drive axle

704R

M+S

Advanced Drive axle tire, engineered with advanced technologies for regional operation.

- Wide tread design and advanced compound for tread life and wet traction.
- Alternated block placement with short blocks increases anti irregular wear performance and improves the Noise level performance.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
704R	11R22.5	-	148/145M	TL	281	1057	475	8.25	7.5, 8.25
	295/80R22.5	-	152/148M	TL	303	1062	448	9.00	8.25, 9.00
	315/70R22.5	-	154/150L(152/148M)	TL	314	1025	495	9.00	9.00, 9.75
	315/80R22.5	-	154/150M (156/150L)	TL	314	1087	506	9.00	9.00, 9.75



Trailer axles

RY357

Wide base highway/regional use tire for the trailer axles.

The RY357 delivers long mileage & shoulder wear resistance on trailer axle use.

- 5-rib tread design enhances even wear and wet traction.
- Specially constructed casing makes this tire well-suited for retreading.

SIZE	PATTERN	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY357	385/55R22.5	18	160J	TL	380	998	460	12.25	11.75, 12.25
	385/65R22.5	18	160J (158L)	TL	380	1074	497	11.75	11.75, 12.25



Steer axle/All positions

505CA

Advanced On and Off Road tire for trailer axle and steer axle use.

- Tread pattern with wider block and rib for tread life, mud, wet & snow traction and wet breaking.
- Additional wet/snow traction by wavy shallow lateral grooves.
- Three wide circumferential grooves providing water evacuation.
- Prevention of stone damage and impressive durability by funnel shaped step grooves and high-strength belt construction.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
505CA	13R22.5	20	156/150K	TL	321	1129	503	9.75	9, 9.75
	315/80R22.5	20	164K	TL	312	1082	485	9	9, 9.75

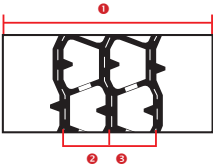


Steer axle/All positions

MY507 M+S

All-purpose, all- position tire for on & off construction-site operation. (Available only tubeless sizes)

- Deeper & wider tread increases the mileage while the solid shoulder ribs resist against shoulder wear.
- 3 or 4 waved grooves produce traction and drainage.
- Stone ejectors & V-shaped grooves decrease stone holding to enhance retreadability.



- ① Deeper & wider tread
- ② 3 waved grooves
- ③ Stone ejectors & V-shaped grooves

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY507	11R22.5	16	148/145K	TL	275	1070	500	8.25	7.50, 8.25
	12R22.5	16	152/148K	TL	296	1092	508	9.00	8.25, 9.00
	13R22.5	18	154/150K	TL	317	1133	528	9.75	9.00, 9.75
	255/70R22.5	16	140/137K	TL	254	934	427	7.50	6.75, 7.50, 8.25
	275/70R22.5	16	148/145K	TL	277	968	450	8.25	7.50, 8.25
	295/80R22.5	16	152/148K	TL	299	1061	493	9.00	8.25, 9.00
	315/80R22.5	-	156/150K	TL	312	1087	503	9.00	9.00, 9.75

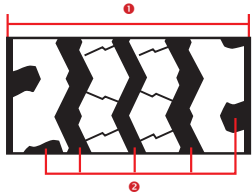


Steer axle/All positions

MY547 M+S

All-purpose, all-position tire for on & off construction-site operation. (Available only tube- type sizes)

- Deeper tread produces longer mileage while the shoulder ribs resist against shoulder wear.
- 3 zigzag grooves with shoulder lugs produce traction and enhance smooth wear in local operation.



- ① Deeper tread
- ② 3 zigzag grooves with shoulder lugs

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY547	10.00R20	16	148/145K	TT	277	1059	495	7.50	7.00, 7.50, 8.00
	11.00R20	16	150/146K	TT	293	1088	507	8.00	7.50, 8.00, 8.50
	12.00R20	18	154/150K	TT	315	1129	525	8.50	8.00, 8.50, 9.00
	12.00R24	18	156/153K	TT	312	1222	568	8.50	8.50, 9.00

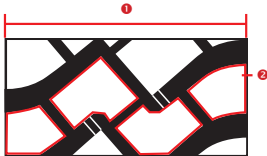


Drive axle

LY717 M+S

Drive axle tire for on & off construction-site operation.

- Aggressive 4-block tread design with shoulder lugs produces dependable traction on rough surfaces.
- Deeper & wider tread increase the mileage.
- Tapered tread grooves reduce stone holding while newly-developed tread compound resists against cutting/chipping.



- ① Deeper & wider tread
- ② Aggressive 4-block tread design

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
LY717	12.00R20	18	154/150K	TT	312	1136	527	8.50	8.00, 8.50, 9.00
	12R22.5	16	152/148K	TL	296	1094	511	9.00	8.25, 9.00
	13R22.5	18	154/150K (156/150G)	TL	317	1135	529	9.75	9.00, 9.75
	315/80R22.5	18	156/150K (154/150M)	TL	314	1095	507	9.00	9.00, 9.75



Drive axle

LY053

Drive axle tire for logging and quarrying operations with some short haul highway use possible.

- Engineered to provide dependable traction and durability.
- Specially deep tread depth and cut-resistant tread compound deliver good tire mileage.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
LY053	11R22.5	16	-	TL	272	1072	502	8.25	7.50, 8.25
	12R22.5	16	-	TL	291	1103	515	9.00	8.25, 9.00



Trailer axle

505C

Advanced On and Off Road tire for trailer axle and steer axle use.

- Tread pattern with wider block and rib for tread life, mud, wet & snow traction and wet breaking.
- Additional wet/snow traction by wavy shallow lateral grooves.
- Three wide circumferential grooves providing water evacuation.
- Prevention of stone damage and impressive durability by funnel shaped step grooves and high-strength belt construction.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
505C	385/65R22.5	18	164K	TL	380	1083	485	11.75	11.75, 12.25



Trailer axle

MY507A M+S

Wide base ON & OFF trailer tire for on & off construction-site operation.

- Wide & deep tread design produces long tread life.
- Aggressive traction tread with transverse sub grooves enhances traction over rough surfaces.
- Stone ejectors & funnel-shaped grooves decrease stone holding to enhance retreadability.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY507A	425/65R22.5	20	165K	TL	420	1134	520	13.00	12.25,13.00,14.00
	445/65R22.5	20	169K	TL	440	1161	534	13.00	13.00,14.00



City Bus/Coach
Light Truck



All positions

120U_{E+}

Steer-axle and all position tire for EV urban bus operation with E+ mark

- Wide tread design for ground contact, even wear and traction.
- Step grooves and wavy grooves to reduce stone damage.
- Side wear indicator showing the usage limit.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
120U	275/70R22.5	-	150/148J	TL	278	974	443	8.25	7.5, 8.25



All positions

RY537 M+S
Depend on sizes

All position tire for urban bus operation.

- Extra deep tread with 4-rib design enhances long mileage & low cost per kilometer on severe abrasion operation.
- Sidewall protections minimise scuff damage & abrasion from curb.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY537	11R22.5	-	148/145J (151/148E)	TL	281	1065	495	8.25	7.50, 8.25
	275/70R22.5	-	148/145J (152/148E)	TL	277	972	451	8.25	7.50, 8.25
	295/80R22.5	-	152/148J (154/150E)	TL	304	1063	495	9.00	8.25, 9.00
	305/70R22.5	20	152/148J	TL	304	1006	455	9.00	8.25, 9.00



Light Truck

LT151R

For Light Truck Tire

- Strong resistance to wear and long-lasting performance.
- Total balanced performance tire — wear resistance, durability, wet performance and anti-uneven wear —

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
LT151R	185/65R15	-	101/99N	TL	185	619	283	5.5J	5.0J 5.5J 6.0J
	175/75R15	-	103/101N	TL	172	643	293	5.0J	5.0J, 5.5J
	185/75R15	-	106/104N	TL	182	659	299	5.0J	4.5J 5.0J 5.5J 6.0J 4.5K 5.0K 5.5K 6.0K
	195/75R15	12	109/107L	TL	194	672	304	5.5J	5.0J, 5.5J, 6.0J
	195/85R15	12	113/111L	TL	196	713	320	5.5J	5J 6J 5K 5.5K 6K 5.5J
	175/80R15	-	101/99N	TL	173	660	299	5.0J	4.5J, 5.0J, 5.5J
	205/65R15	12	107/105L	TL	205	648	295	6.0J	5.5J 6.0J 6.5J
	205/80R15	8	109/107L	TL	201	707	318	5.5J	5.0J 6.0J 6.5J 5.0K 5.5K 6.0K 6.5K 6.0GS 5.5J 5.50F
	185/70R15.5	12	106/104L	TL	181.5	653	298	5.25SW	5.25SWA 6.0SW
	185/85R16	12	111/109L	TL	186	721	326	5.0J	4.5J, 5.0J, 5.5J, 6.0J
	195/85R16	12	114/112L	TL	199	739	333	5.5J	5.0J, 5.5J, 6.0J
	195/65R16	12	106/104L	TL	195	658	301	6.0J	5.5J 5.5K 6J 6K
	205/65R16	12	109/107L	TL	204	669	306	6.0J	5.5J, 6.0J, 6.5J
	185/70R16	-	105/103N	TL	185	665	304	5.5J	5J 5.5J 6J 6K
	195/70R16	12	109/107L	TL	195	678	309	6.0J	5J 5.5J 5K 5.5K 6J 6K
	205/70R16	12	111/109L	TL	207	692	315	6.0J	5.5J, 6.0J, 6.5J
	225/70R16	-	117/115N	TL	224	720	326	6.5J	6J 7J 6K 7K 6.5J 6.5K
	205/75R16	-	113/111N	TL	203	713	323	5.5J	5.0J, 5.5J, 6.0J, 6.5J
	225/75R16	-	118/116N	TL	221	744	335	6.0J	6.5J 7J 6.5K 7K 6J 6K
	205/85R16	-	117/115N	TL	207	755	339	5.5J	5.0J, 5.5J, 6.0J, 6.5J
	215/85R16	12	120/118L	TL	216	773	346	6.0J	5.5J, 6.0J, 6.5J, 7.0J
LT151R	195/60R17.5	12	108/106L	TL	197	679	314	6.00	5.25, 6.00
	205/60R17.5	-	111/109N	TL	198.5	690	318	6.00	5.25 6.00 6.75
	225/60R17.5	12	116/114L	TL	219.5	713	327	6.75	6.00 6.75
	195/70R15.5	12	109/107L	TL	194	666	303	6.0J	5.25SW, 6.0SW, 5.25SWA
	205/70R17.5	-	115/113N	TL	204	731	125T	6.0J	5.25, 6.00, 6.75
	215/70R17.5	-	118/116N	TL	206	745	339	6.0J	6.00, 6.75
	205/80R17.5	-	120/118N	TL	205	773	350	6.0J	5.25, 6.00

Availability of products shown in this document may vary from country to country. Please consult your YOKOHAMA distributor for local availability. Some tires carry a second load/speed index marking which indicates supplementary operational possibilities.



The Prevention of Uneven Wear

Influence of uneven wear

- Mileage will be shorter.
- Driving stability deteriorates.
- Fuel cost increases.

It is necessary to prevent uneven wear to reduce expenditure for the tires.

The main causes of degeneration

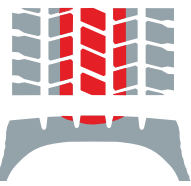
- Air pressure is not correct.
- Difference of outside diameter or air pressure of dual tires.
- Incorrect alignment.
- Lack of vehicle maintenance.

The most crucial factor to avoid uneven wear is maintaining proper air pressure.

Typical Patterns of Uneven Wear

Centre Wear

The centre of the tread wearing faster than the shoulders.

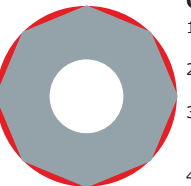


Causes:

1. Overinflation.
2. Improper matching of tires and rims.

Wavy (Polygonal) Wear

Wavy conditions are created on some part of, or on whole circumference, of tread.

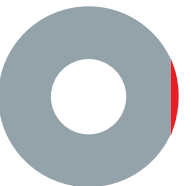


Causes:

1. Excessive run-out of tire & rim assembly.
2. Dynamic imbalance of tire & assembly.
3. Faulty suspensions & rotations such as axle beams, bearing & brake shoes.
4. Improper wheel alignment.
5. Underinflation and/or overload.

Spot Wear

Excessive wear in a part of the tread.



Causes:

1. Sudden braking & rapid starting.
2. Faulty suspension & faulty rotating parts such as axle beams, bearing & brake shoes.
3. Excessive run-out of tire & rim assembly.
4. Dynamic imbalance of tire & assembly.

One-Sided Wear

The shoulder wearing faster than the centre of the tread.



Causes:

1. Toe-in or camber of steer axle influence.
2. Repeated sharp turns at a high speed when cornering.
3. Road inclination.

Step Wear

The outer portion of the shoulder rib wears faster than the inner portion.



Causes:

1. Toe-in or camber of steer axle influence.
2. Frequent sharp turns in corner, rapid changing of lanes at high-speed.
3. Improper air pressure, wheel alignment or mismatch of tires and rims.
4. Road inclination.

Island Wear

Some parts of tread wearing less than the other parts, forming islands or coastlines.

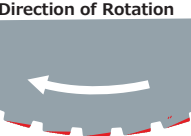


Causes:

1. Repeated sharp turns in cornering and frequent, rapid changing of lanes at high-speed.
2. Improper wheel alignment.
3. Faulty suspensions and faulty rotating parts such as axle beams, bearings and brake shoes.

Heel & Toe Wear

One side of blocks and/or lugs on the tread wears faster than other side circumferentially.



Causes:

1. Under-inflation and/or overload.
2. Sudden braking or rapid acceleration.

Shoulder Wear

Both shoulders wearing faster than the centre of the tread.

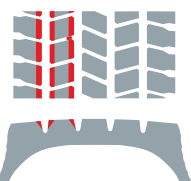


Causes:

1. Under-inflation and/or overload.
2. Repeated sharp turns at high-speed when cornering.
3. Mismatch of tires and rims.

River Wear

Edges of the ribs except the outer edge of the shoulder ribs wearing faster than the tread surface, like riverbeds.



Causes:

1. Underinflation and/or overload.
2. Repeated sharp turns in cornering and frequent, rapid changing of lanes at high speed.

River wear tends to be created on steering or trailer axles.

Rib-punching

One or two ribs in the center of the tread wearing faster than the other ribs.



Causes:

1. Faulty suspension or rotation of bearing and axle beams.
2. Under-inflation.
3. Improper wheel alignment.
4. Difference between outside diameter or air pressure of dual tires.

Feather Edge Wear

The blocks or the ribs tread wearing in a feather edge pattern.



Causes:

1. Improper wheel alignment (especially faulty toe-in).
2. Bent axle beam.
3. Under-inflation.
4. Repeated sharp turns at high speed when cornering.
5. Road inclination.

Diagonal Wear

One or several parts of the tread wearing diagonally faster than the other parts of the tread surface.



Causes:

1. Faulty suspensions, faulty rotating parts and/or brake parts such as axle beams, bearings and brake shoes.
2. Improper wheel alignment.

YOKOHAMA: MAXIMIZE YOUR PERFORMANCE

Recommendations to ensure the top performance of your YOKOHAMA tires.



Tire Construction

Tread

Compounds used in the tread depend on the tire's specific application needs. YOKOHAMA has chosen various compounding strategies to minimize treadwear rate, and maximize traction, fuel efficiency, and resistance to fatigue, chipping and scaling.

Belt Edge Cushion

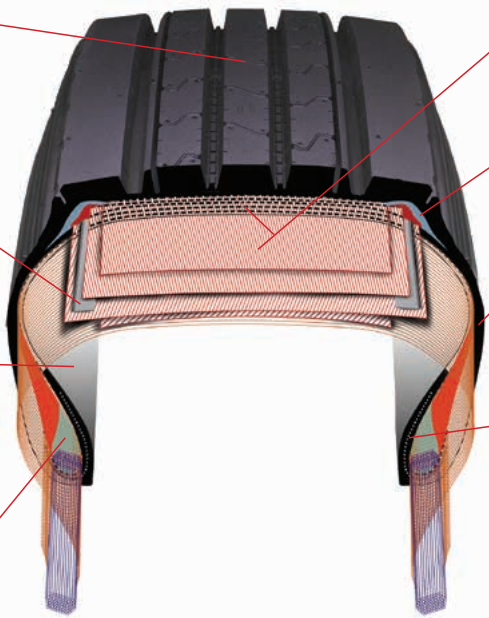
YOKOHAMA tires feature a belt edge cushion to help prevent separation of the belt edges, and therefore the tread, caused by the scissoring effect of the belts.

Inner Liner

YOKOHAMA's inner liner is specially designed to minimize air seepage into adjacent areas of the tire. The quality of the inner liner is critical to prevent air from penetrating into the casing. YOKOHAMA's special inner liner compound ensures a significantly longer casing life.

Bead Filler

Two or more different compounds are used in YOKOHAMA's bead filler (apex rubber) to stiffen the bead for steering response and to control the flexibility of other parts of the tire.



Belts and Casing

Thin, highly adhesive assembly compounds are used in YOKOHAMA's tire casing and belts to prevent separation of the steel cords.

Undertread

YOKOHAMA's undertread compounds have low heat-generating characteristics, which prevent tread separation.

Sidewall

YOKOHAMA's special sidewall compounds are selected for high flexibility, excellent durability and high resistance to fatigue and weather cracking.

Rim Cushion

YOKOHAMA's rim cushion compound is highly resistant to the heat transmitted by the rim.

Inflation Pressure

Truck tires for commercial vehicles must be inflated to a pressure* suitable for the load, speed and condition of use to produce maximum performance in all aspects such as even wear (long mileage), traction and handling stability (riding comfort) in addition to safety issues.

*Check YOKOHAMA's recommendation for inflation pressures in this booklet.

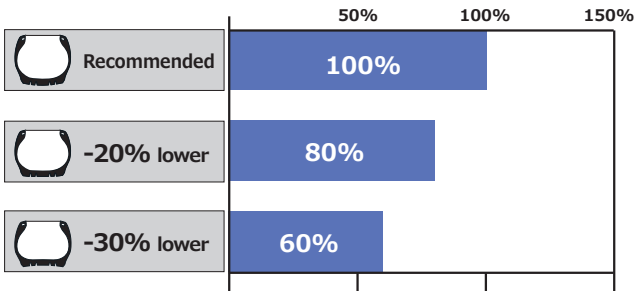
PROPER INFLATION	UNDER INFLATION	OVER INFLATION
maintains the even road contact for maximised performance.	causes abnormal tire deflection, which builds up excessive heat, and risk of failure. It also causes excessive wear on both shoulders.	increases the risk of impact breaks and other road hazard damage. It also causes excessive wear in the centre.

Tire pressures should be checked on cold tires at least every two weeks, using a calibrated pressure gauge. Tires with lower profiles must be checked strictly due to their less visible sidewall deflection.

Tire Wear Factors

INFLATION PRESSURE

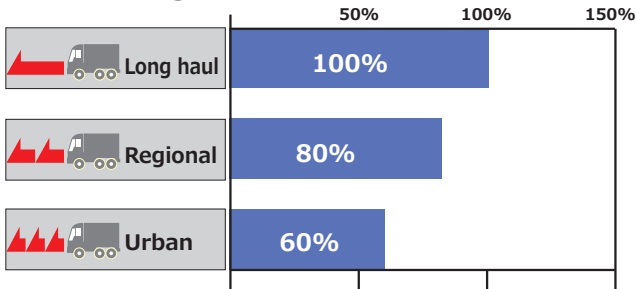
● Tire Mileage Index in %



The proper inflation pressure is essential for maximised performance of all kinds of tire. YOKOHAMA recommends proper maintenance and utilization of a calibrated gauge/inflation pressure sticker or TPMS.

STOP/GO OPERATION (Braking Abrasion)

● Tire Mileage Index in %



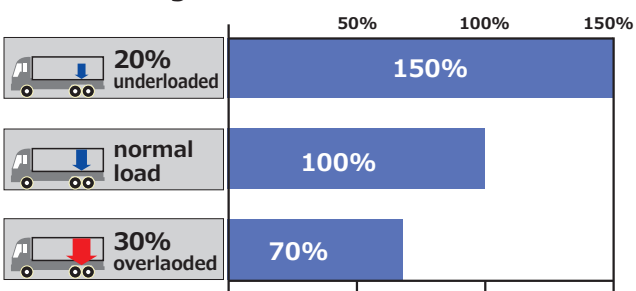
Frequent "stop and go" results in additional stress and abrasion to tires. YOKOHAMA recommends mild steering & braking especially while turning and curving in urban and local use.

Regrooving

Regrooving must be undertaken when only between 2 to 3mm of the original tread pattern remains, in accordance with YOKOHAMA's recommendations in this booklet.

CARRYING LOAD

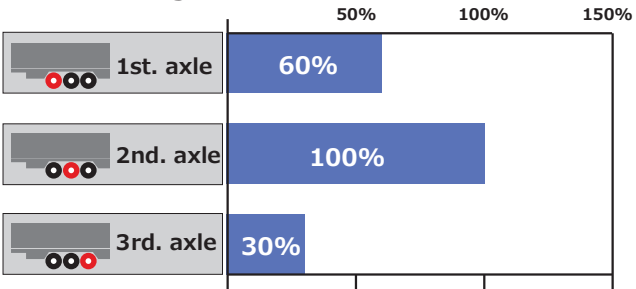
● Tire Mileage Index in %



The tire wear depends upon load carried. YOKOHAMA recommends maintaining the correct axle and pay loads.

TRAILER AXLES (without liftup and/or steer axle)

● Tire Mileage Index in %

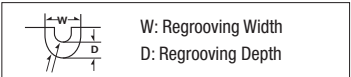


Trailer tire wear is dependent on the sideforce of axles of trailers. YOKOHAMA recommends proper tire rotation for retreaded tires also.

ECOLOGY-FUEL ECONOMY

The ecology and fuel economy issues are of great importance to transportation companies. YOKOHAMA tires are designed to deliver excellent fuel economy with minimized trade-off of other performance aspects such as wet performance & tire life.

Regrooving Procedures



Regrooved pattern is shown in black.
Recut depth listed is maximum value.
Recut width listed has +1 mm tolerance.

Long Distance Transport

126S M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/65R22.5	2.5 mm	7.0 mm

106ZS M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/65R22.5	2.5 mm	7.0 mm

110L M+S
Depend on sizes

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/60R22.5	2.5 mm	7.0 mm

107ZL

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

707L M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.0 mm	7.0 mm

TY517(E) M+S
Depend on sizes

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	3.0 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

Long Distance Transport

On/Off Road Short Distance Transport

RY253

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
425/65R22.5	2.5 mm	7.0 mm

RY357

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm

505C (A) M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/65R22.5	3.0 mm	7.0 mm

MY507 M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

MY547 M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
10.00R20	3.0 mm	7.0 mm
11.00R20	3.0 mm	7.0 mm
12.00R20	3.0 mm	7.0 mm
12.00R24	3.0 mm	7.0 mm

LY717 M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
12.00R20	3.0 mm	7.0 mm
12R22.5	2.5 mm	7.0 mm
13R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

LY053

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	3.0 mm	7.0 mm
12R22.5	2.5 mm	7.0 mm

MY507A M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/65R22.5	3.0 mm	7.0 mm
425/65R22.5	3.0 mm	7.0 mm
445/65R22.5	3.0 mm	7.0 mm

Regional Distance Transport

City Bus/Coach, Light Truck

112R

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm

124R M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm
205/75R17.5	2.5 mm	7.0 mm
215/75R17.5	2.5 mm	7.0 mm
235/75R17.5	2.5 mm	7.0 mm
245/70R19.5	2.5 mm	7.0 mm
245/70R19.5	2.5 mm	7.0 mm

104ZR M+S
Depend on sizes

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

RY023 (RY023T)

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
265/70R19.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

704R M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.0 mm	7.0 mm
315/80R22.5	2.0 mm	7.0 mm
295/80R22.5	2.0 mm	7.0 mm

TY607 M+S

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	2.5 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

Y785R

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
8.25R20	2.5 mm	7.0 mm

RY537 M+S
Depend on sizes

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	2.5 mm	7.0 mm
275/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm

120U

Pattern when new

Pattern when 70% worn

Pattern after regrooved

TIRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	2.5 mm	7.0 mm

Size List

[illegible]