







## **O---hOnest**

Honesty is the best policy; Honesty is our bottom line, never do evil.

## **P---Professional**

Being professional is how we stand out from competitors.

## **Q---Quality**

Quality is life; We care quality more than anything.

## **R---Reliable**

Reliable partner you can count on.

## **S---Service.**

Service matters

**T---TNO**  
Keep Running  
This is **TNR**



## **BRIEF INTRODUCTION**

*TNR International Company Limited is dedicated to providing quality products, competitive price and the better customer service for OFF-THE-ROAD TIRES to be used on:*

*Construction Machinery  
Heavy Equipment  
Mining Equipment  
and Harbour Equipment*

*Our tires which are backed up by strong technical support, will enable you to tackle even the toughest of construction or mining projects.*

*TNR has business all over the world, covering major countries in Central Europe, Scandinavia, Northern America, South America, East Asia, Middle East, and Africa etc.*

*We have our professional sales team, who not only know our product features and options, but also understand how to identify the right tires for your equipment.*

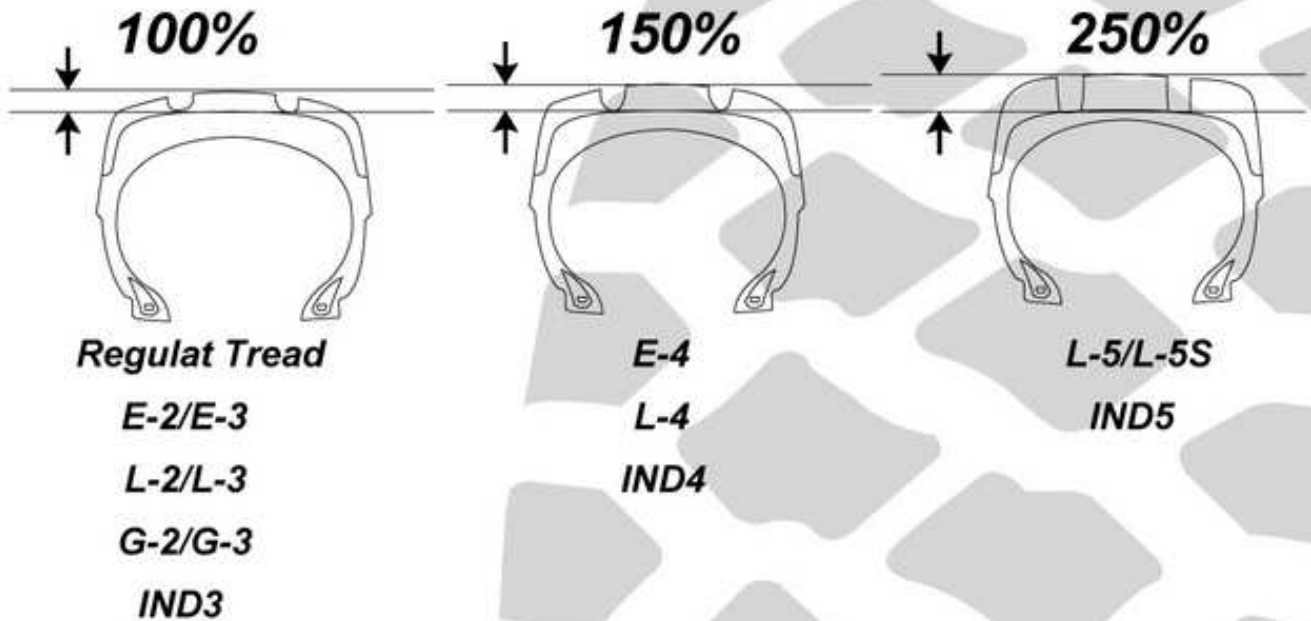
*We are ready to answer your questions 24/7.*

**Let**  **bring you more!**  
Keep Running

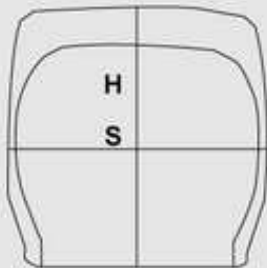


# GENERAL INFORMATION

## Comparison of Tread Depth



## The Different Off-The-Road Tire Families

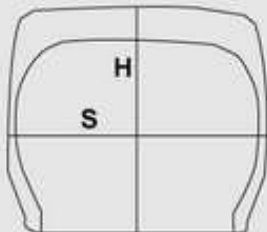


### 100 Series( Narrow Base)

The H/S aspect ratio is approximately equal to 1.00

The section width, given in inches is a whole number

Example: 18.00R25

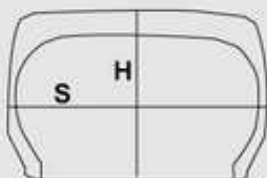


### 80 Series( Wide Base)

The H/S aspect ratio is approximately equal to 0.80

The section width, given in inches is a whole number followed by a fraction

Example: 20.5R25 = 525/80R25



### 65 Series ( Low Profile Tires)

The H/S aspect ratio is approximately equal to 0.65

The section width, given in millimeters followed by the number followed by the number 65

Example: 750/65R25

# TRA CLASSIFICATION

<b>TRA Classification</b>	<b>Tread Type</b>	<b>TNR Tread Pattern</b>
<b>E = Earthmover</b>		
<b>E-3</b>	<b>Rock Regular</b>	R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, ScraperMate
<b>E-4</b>	<b>Rock Deep</b>	R401, R402, R403, R404, R406, R409, R410, G-RADIAL101, G-RADIAL102
<b>E-7</b>	<b>Flotation</b>	
<b>G = Grader</b>		
<b>G-1</b>	<b>Rib Regular</b>	
<b>G-2</b>	<b>Traction</b>	G201, G202, G203
<b>G-3</b>	<b>Rock Deep</b>	GRADERCHOICE,
<b>L = Loader &amp; Dozer</b>		
<b>L-2</b>	<b>Traction regular</b>	G201, G202, G203
<b>L-3</b>	<b>Rock regular</b>	R301, R302, R303, R304, R305, R306, R307, R308, R309, R310
<b>L-4</b>	<b>Rock deep</b>	LoadMaster, RockCracker, LoaderMate, LoaderBuddy
<b>L-5</b>	<b>Rock extra deep</b>	LoaderMate+, LoaderBuddy+
<b>L-5S</b>	<b>Smooth extra deep</b>	SmoothKing
<b>C = Compactor Service</b>		
<b>C-1</b>	<b>Smooth</b>	
<b>C-2</b>	<b>Grooved</b>	
<b>LS = Logging Service</b>		
<b>LS-2</b>	<b>Intermedia</b>	
<b>High Speed Service</b>		
<b>E-2</b>	<b>High Speed Service</b>	E201, E202, E203, E204, MS201, MS202
<b>Industrial Service</b>		
<b>IND-4</b>	<b>Industrial Service</b>	INDPORT01, INDPORT02, INDPORT03

# MACHINE MATCHING CHART

<b><i>Application</i></b>	<b><i>Vehicle</i></b>
<b><i>Earthmover Service</i></b>	<i>Dump trucks, motor scrapers, articulated dump trucks, coal haulers, logging trucks, other mining trucks</i>
<b><i>Grader Service</i></b>	<i>Motor graders</i>
<b><i>Loader &amp; Dozer Service</i></b>	<i>Shovels, front-end loaders, back-hoe loaders, skid steer loaders, dozers, shuttle trucks, load-haul dumps</i>
<b><i>High Speed Service</i></b>	<i>All terrain cranes, high speed vehicles</i>
<b><i>Industrial Service</i></b>	<i>Straddle carriers, aircraft towing tractors, container stackers, counter balanced lift trucks, mobile crushers, log stackers</i>
<b><i>Logging Service</i></b>	<i>Log skidders</i>
<b><i>Compactor Service</i></b>	<i>Compactor, road rollers</i>
<b><i>Sand Service</i></b>	<i>Sand service trucks</i>



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**LOADER SERVICE**





## LoaderMate +

### Pattern Features:

- 1.Extra deep tread pattern is specially designed for loaders and dozers on extremely rocky surfaces in open pit, quarry and underground mine.
- 2.Superior sidewall cut resistance.
- 3.Extra deep tread provides excellent rock type damage resistance and long tread life.
- 4.Exceptional casing durability.
- 5.Enhanced stability and riding comfort.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★★	182	L-5	68	TL	14.00-1.5	1399	445	8500	6.5	10
20.5R25	★★	193	L-5	78	TL	17.00-2.0	1548	521	11500	6.5	10
23.5R25	★★	201	L-5	87	TL	19.50-2.5	1673	597	14500	6.5	10
26.5R25	★★	209	L-5	96	TL	22.00-3.0	1798	673	18500	6.5	10
29.5R25	★★	216	L-5	104	TL	25.00-3.5	1921	750	22400	6.5	10
29.5R29	★★	218	L-5	104	TL	25.00-3.5	2023	750	23600	6.5	10
35/65R33	★★	224	L-5	97	TL	28.00-3.5	2077	889	28000	6.5	10



## LoaderBuddy +

### Pattern Features:

- 1.Good traction and protection; stable, comfortable ride.
- 2.Special abrasion resistance with long-lasting tread life.
- 3.Suitable for many conditions such as stone pit, industry zone and underground mine.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
20.5R25	★★	193	L-5	72	TL	17.00-2.0	1548	521	11500	6.5	10
23.5R25	★★	201	L-5	78	TL	19.50-2.5	1673	597	14500	6.5	10
26.5R25	★★	209	L-5	87	TL	22.00-3.0	1789	673	18500	6.5	10
29.5R25	★★	216	L-5	95	TL	25.00-3.5	1921	750	22400	6.5	10
29.5R29	★★	218	L-5	95	TL	25.00-3.5	2023	750	23600	6.5	10
35/65R33	★★	224	L-5	97	TL	28.00-3.5	2075	880	28000	6.5	10



## LoadMaster

### Pattern Features:

1. Cut resistance tread compound.
2. Long life self-cleaning deep tread.
3. Superior traction.
4. Suitable for loaders and articulated dumper trucks.
5. Excellent traction & floatation.
6. Reduced vibration & increased stability.

Xtra-Load

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
23.5R25	★★	210	L-4	49	TL	19.50-2.5	1655	603	19000	5.25	10
Earthmover Service Specification											
23.5R25	★★	185	E-4	49	TL	19.50-2.5	1673	603	9250	5.25	50



## RockCracker

### Pattern Features:

1. The deep and wide tread with unique non-directional traction pattern can provide optimum traction and minimize side-wall cut.
2. For articulated dumper trucks and shuttle trucks in under ground mine.
3. Also can provide excellent traction even in muddy conditions.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
29.5R25	★	208	L-4	59	TL	25.00-3.5	1873	748	18000	5	10
Earthmover Service Specification											
29.5R25	★★	200	E-4	59	TL	25.00-3.5	1873	748	14000	5.25	50





## LoadMate

### Pattern Features:

1. Special cut resistance.
2. Long tread life.
3. Enhanced stability and riding comfort.
4. Good traction for tough road.
5. Suitable for stone pit, industry zone and underground mine.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
23.5R25	★★	201	L-4	51	TL	19.50-2.5	1673	597	14500	6.5	10
26.5R25	★★	209	L-4	60	TL	22.00-3.0	1798	673	18500	6.5	10
29.5R25	★★	216	L-4	66	TL	25.00-3.5	1921	750	22400	6.5	10



## LoaderBuddy

### Pattern Features:

1. Designed to provide high levels of stability, traction and protection combined with a cushioned ride for comfortable operation.
2. Special abrasion resistance with long-lasting tread life.
3. Suitable for many conditions such as stone pit, industry zone and underground mine.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
26.5R25	★★	209	L-4	57	TL	22.00-3.0	1798	673	18500	6.5	10
29.5R29	★★	218	L-4	60	TL	25.00-3.5	2023	750	23600	6.5	10
35/65R33	★★	224	L-4	62.5	TL	28.00-3.5	2075	880	28000	6.5	10



# Loader & Earthmover Service







## R301

### Pattern Features:

1. Excellent traction and stability.
2. Deliver exceptional operator comfort.
3. Designed for loaders, earthmovers and the equipment used in construction stockpile or truck-loading applications.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★★	182	L-3	28	TL	14.00-1.5	1348	445	8500	6.5	10
20.5R25	★★	193	L-3	28.5	TL	17.00-2.0	1490	521	11500	6.5	10
23.5R25	★★	201	L-3	31.5	TL	19.50-2.5	1617	597	14500	6.5	10
26.5R25	★★	209	L-3	34.5	TL	22.00-3.0	1750	673	18500	6.5	10
26.5R25	★★	209/193	L-3/E3	37	TL	22.00-3.0	1750	673	18500/11500	6.25/5.25	10/50
17.5R25	★★	182/167	L-3/E3	28	TL	14.00-1.5	1348	445	8500/5450	6.25/5.25	10/50
20.5R25	★★	193/177	L-3/E3	31	TL	17.00-2.0	1490	521	11500/7300	6.25/5.25	10/50
23.5R25	★★	201/185	L-3/E3	34	TL	19.50-2.5	1617	597	14500/9250	6.25/5.25	10/50

## R302



### Pattern Features:

1. The aggressive, self-cleaning tread design provides excellent traction in tough, demanding applications.
2. Wear & Cut resistant tread compound.
3. Self-cleaning tread.
4. Superior traction.
5. Suitable for loaders and articulated dumper trucks.
6. Excellent traction & floatation.
7. Reduced vibration & increased stability.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★★	182/167	L-3/E-3	29	TL	14.00-1.5	1399	449	8500/5450	6.25/5.25	10/50
20.5R25	★★	193/177	L-3/E3	31	TL	17.00-2.0	1499	517	11500/7300	6.25/5.25	10/50
23.5R25	★★	201/185	L-3/E3	34	TL	19.50-2.5	1623	608	14500/9250	6.25/5.25	10/50
26.5R25	★★	209/193	L-3/E3	37	TL	22.00-3.0	1748	679	18500/11500	6.25/5.25	10/50
29.5R25	★★	216/200	L-3/E3	40	TL	25.00-3.5	1886	763	22400/14000	6.25/5.25	10/50





## R303

### Pattern Features:

1. With wide and stable tread.
2. Excellent traction and adhesion.
3. Designed to deliver exceptional operator comfort for articulated dumper trucks.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
23.5R25	★★	201	L-3	32	TL	19.50-2.5	1617	597	14500	6.5	10
23.5R25	★★	201/185	L-3/E-3	34	TL	19.50-2.5	1617	597	14500/9250	6.25/5.25	10/50
26.5R25	★★	209/193	L-3/E-3	37	TL	22.00-3.0	1750	673	18500/11500	6.25/5.25	10/50
29.5R25	★★	216/200	L-3/E-3	43.5	TL	25.00-3.5	1873	750	22400/14000	6.25/5.25	10/50
29.5R29	★★	218/202	L-3/E-3	43.5	TL	25.00-3.5	1975	750	23600/15000	6.25/5.25	10/50
600/65R25	★★	187/178	L-3/E-3	35.5	TL	19.50-2.5	1415	606	9750/7500	4.75/4.25	10/50
650/65R25	★★	193/180	L-3/E-3	38.5	TL	19.50-2.5	1480	640	11500/8000	4.75/4.25	10/50
750/65R25	★★	202/190	L-3/E-3	44.5	TL	24.00-3.0	1599	738	15000/10600	4.75/4.25	10/50
850/65R25	★★	207/196	L-3/E-3	48.5	TL	27.00-3.5	1740	852	17500/12500	4.75/4.25	10/50
163.00R25	★★	214/203	L-3/E-3	52.5	TL	28.00-3.5	1881	883	21200/15500	4.75/4.25	10/50
Earthmover Service											
600/65R25	★★	177	E-4	46	TL	11.25/2.0	1532	445	7300	7	50

## R304



### Pattern Features:

1. The aggressive, self-cleaning tread design provides excellent traction and floatation in articulated dumper trucks and loaders.
2. Wear & Cut resistant tread compound.
3. Self-cleaning tread.
4. Low rolling resistance.
5. Long life.
6. Excellent traction & floatation.
7. Reduced vibration & increased stability.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
23.5R25	★★	201/185	L-3/E-3	34	TL	19.50-2.5	1623	608	14500/9250	6.25/5.25	10/50
26.5R25	★★	209/193	L-3/E-3	37	TL	22.00-3.0	1748	679	18500/11500	6.25/5.25	10/50
29.5R25	★★	216/200	L-3/E-3	43.5	TL	25.00-3.5	1893	763	22400/14000	6.25/5.25	10/50
29.5R29	★★	218/202	L-3/E-3	43.5	TL	22.00-3.0	1975	750	23600/15000	6.25/5.25	10/50





## R305

### Pattern Features:

- 1.Special tread depth.
- 2.Good traction in wet and muddy road.
- 3.Special tread design guaranteed the integral beauty.
- 4.Suitable for earthmovers and loaders.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★★	182/167	L-3/E-3	28	TL	14.00-1.5	1348	445	8500/5450	6.25/5.25	10/50
20.5R25	★★	193/177	L-3/E-3	31	TL	17.00-2.0	1490	521	11500/7300	6.25/5.25	10/50
23.5R25	★★	201/185	L-3/E-3	42.5	TL	19.50-2.5	1617	597	14500/9250	6.25/5.25	10/50
26.5R25	★★	209/193	L-3/E-3	45	TL	22.00-3.0	1750	673	18500/11500	6.25/5.25	10/50
29.5R25	★★	216/200	L-3/E-3	48	TL	25.00-3.5	1873	750	22400/14000	6.25/5.25	10/50



## R306

### Pattern Features:

- 1.Versatility pattern designed for loaders, dozers and other equipment used for construction, stockpile, loading applications.
- 2.Superior traction.
- 3.Ensuring a very comfortable ride due to its superior stability.
- 4.The inner liner with special designed compound helps prevent air leakage.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★	176/157	L-3/E-3	28	TL	14.00-1.5	1348	445	7100/4125	4.5/3.5	10/50
	★★	182/167							8500/5450	5.75/4.5	10/50
20.5R25	★	182/168	L-3/E-3	26	TL	17.00-2.0	1492	520	9500/5600	4.5/3.5	10/50
	★★	193/177							11500/7300	5.75/4.5	10/50
23.5R25	★	195/176	L-3/E-3	31.5	TL	19.50-2.5	1617	597	12150/7100	4.5/3.5	10/50
	★★	201/185							14500/9250	5.75/4.5	10/50
26.5R25	★	202/184	L-3/E-3	36	TL	22.00-3.0	1750	673	1500/9000	4.5/3.5	10/50
	★★	209/193							18500/11500	5.75/4.5	10/50
29.5R25	★	208/191	L-3/E-3	43	TL	25.00-3.5	1873	750	18000/11500	4.5/3.5	10/50
	★★	216/200							22400/14000	5.75/4.5	10/50



## R307

### Pattern Features:

1. On-directional traction and standard tread depth pattern design.
2. Excellent performance supported with low heating-up compound.
3. Primarily designed for mining, off-the-road and muddy surfaces.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
26.5R25	★	202/184	L-3/E-3	38.5	TL	22.00-3.0	1750	673	15000/9000	4.5/3.5	10/50
	★★	209/193							18500/11500	5.75/4.5	10/50
29.5R25	★	208/191	L-3/E-3	43	TL	25.00-3.5	1873	750	18000/10900	4.5/3.5	10/50
	★★	216/200							22400/14000	5.75/4.5	10/50



## R308

### Pattern Features:

1. Multi-purpose pattern for articulated dumper trucks, loaders & dozers. Also can fit on graders.
2. Non-directional traction type, normal-tread depth, featuring great resistance to heat build-up.
3. Most suitable for long haulage equipment and assures long tread life on soft, muddy as well as packed surfaces.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
20.5R25	★/★★	186/177	L-3/E-3	28.5	TL	17.00-2.0	1490	520	19500/7300	5/5.25	10/50
23.5R25	★/★★	195/185	L-3/E-3	35.5	TL	19.50-2.5	1617	597	12150/9500	5/5.25	10/50





## R309

### Pattern Features:

1. Multi-purpose pattern for articulated dumper trucks, loaders & dozers. Also can fit on graders.
2. Non-directional traction-type, normal-tread depth, featuring great resistance to heat build-up.
3. Most suitable for long haulage equipments and assures long tread life on soft, muddy as well as packed surfaces.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
26.5R25	★★	202/193	L-3/E-3	37	TL	22.00-3.0	1750	673	15000/11500	5/5.5	10/50
<b>Earthmover Service</b>											
21.00R35	★★	201	E-3	44	TL	15.00-3.0	2004	572	14500	7	50



## R310

### E3+:

### Pattern Features:

1. Specially designed for large dumper trucks.
2. Wide tread, self-cleaning pattern provides better traction and floatation on soft and muddy surfaces.
3. Large open non-directional tread locks and full depth tread grooves provide excellent traction.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
23.5R25	★/★★	195/185	L-3/E-3	44	TL	19.50-2.5	1627	597	12150/9250	5/5.25	10/50
29.5R25	★/★★	208/200	L-3/E-3	50	TL	25.00-3.5	1873	748	18000/14000	5/5.25	10/50







## R401

### Pattern Features:

1. Good traction, comfortable operation.
2. Heat resistance for high speed, cut resistance.
3. Good penetrate resistance.
4. For articulated dumper trucks designed to deliver exceptional performance and durability in solid waste and quarry applications.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
23.5R25	★★	185	E-4	48	TL	19.50-2.5	1673	597	9250	5.25	50
26.5R25	★★	193	E-4	52	TL	22.00-3.0	1798	673	11500	5.25	50
29.5R25	★★	200	E-4	57	TL	25.00-3.5	1921	750	14000	5.25	50
29.5R29	★★	202	E-4	57	TL	25.00-3.5	2023	750	15000	5.25	50



## R402

### Pattern Features:

1. Reduced wheel spin in bad conditions.
2. Good traction.
3. Special abrasion resistance.
4. Excellent resistance to damage
5. Suitable for dump loaders.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
12.00R25	★★★	158	E-4	31.5	TL	8.5	1245	315	4250	8.3	50
18.00R33	★★	191	E-4	54	TL	13.00-2.5	1877	498	10900	7	50
21.00R35	★★	201	E-4	61	TL	15.00-3.0	2052	572	14500	7	50
24.00R35	★★	209	E-4	68	TL	17.00-3.5	2175	653	18500	7	50



## R403

### Pattern Features:

1. Pattern designed for trucks.
2. Provide excellent protection at high speed.
3. Long tire life in harsh conditions.
4. Excellent resistance to damage.
5. Suitable for many working conditions.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
18.00R25	★★	185	E-4	47	TL	13.00-2.5	1673	498	9250	7	50
18.00R33	★★	191	E-4	49	TL	13.00-2.5	1877	498	10900	7	50
21.00R33	★★	200	E-4	54	TL	15.00-3.0	2000	570	1400	7	50



## R404

### Pattern Features:

1. Excellent resistance to damage.
2. Long tire life.
3. Good ground grasping and traction in harsh conditions.
4. Suitable for dumper trucks.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
14.00R24	★★★	168	E-4	38	TT	10	1418	383	6050	8	50
14.00R25	★★★	168	E-4	38	TL	10.00-1.5	1418	383	6050	8	50
18.00R25	★★	185	E-4	47	TL	13.00-2.5	1673	498	9250	7	50





## R406

### Pattern Features:

1. Excellent traction capability.
2. Long tire life.
3. Available with both cut-resistance and high-speed capability.
4. Deliver maximum protection and excellent traction in the most severe mine and quarry conditions.
5. Designed for haul trucks.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
18.00R33	★★	191	E-4	54	TL	13.00-2.5	1877	498	10900	7	50
21.00R35	★★	201	E-4	54	TL	15.00-3.0	2052	572	10900	7	50
24.00R35	★★	209	E-4	58	TL	17.00-3.5	2160	653	18500	7	50



## R409

### Pattern Features:

1. Deep tread designed for severe and rocky surfaces.
2. Used for underground mining, open pit and quarry.
3. Special sidewall design provides extended protection, preventing tire from cutting.
4. The excellent combination of traction, stability and comfortable ride.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★★	198	E-4	52	TL	11.25-2.0	1548	432	13200	9	50
18.00R25	★★	185	E-4	55	TL	13.00-2.5	1673	498	9250	7	50
18.00R33	★★	191	E-4	49	TL	13.00-2.5	1875	500	10900	6	50
24.00R35	★★	209	E-4	58	TL	13.00-3.5	2175	655	18500	6.5	50



## R410

### Pattern Features:

1. Special designed for large dumper trucks work in quarry and mine conditions.
2. Scolded centerline section provides high resistance to cutting and chipping for long tread life.
3. Tapered round shoulder profile can provide minimize sidewall cut and better driving.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
14.00R25	★★★	169	E-3	27	TL	10.00-1.5	1370	375	5800	128	50
24.00R35	★★	209	E-4	57	TL	17.00-3.5	2175	655	18500	6.5	50



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## Scraper Service



## ScraperMate

### Pattern Features:

- 1.The aggressive, self-cleaning tread design provides excellent traction in tough, demanding applications.
- 2.Reduced wheel spin & improved traction.
- 3.Excellent resistance to damage.
- 4.Increased life.
- 5.Off-the-Road tread design.
- 6.Improving operator comfort.
- 7.Self-cleaning tread.
- 8.Low road noise and reduced vibration.



Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
33.50R29	★★	209	E-3	42.5	TL	27.00-3.5	2097	859	18500		50



**Grader service**



## GRADERCHOICE



### Pattern Features:

1. Special designed for graders and small trucks. Cutting resistant compound applied, longer tire life.
2. Unique tire pattern design. Outstanding self-cleaning capability. Excellent traction.
3. Balanced profile design applied to good working stability.
4. Radial structure provides the anti-shocking and anti-skidding.
5. Easy retreading and repairing design.

Tire Size	Star Rating	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Speed (km/h)
						Overall Diameter	Section Width	
13.00R25	★★★	G3/E-3	28	TT/TL	8.5	1300	330	50
14.00R24	★★★	G3/E-3	28	TT	10	1370	370	50
14.00R25	★★★	G3/E-3	28	TT/TL	10.00-2.0	1370	370	50



## G201

### Pattern Features:

1. With wide and stable tread, excellent traction and abrasion
2. Designed to provide exceptional traction and long, even tread wear on loaders and graders.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
16.00R24	★★	163	L-2/G-2	27	TL	10	1459	427	4875	3.75	10/40
17.5R25	★	182	L-2/G-2	26	TL	14.00-1.5	1348	445	8500	6.5	10
20.5R25	★	193	L-2/G-2	29	TL	17.00-2.0	1493	521	11500	6.5	10



## G202

1. Suitable for graders with a stable contour.
2. Unique pattern design offers excellent traction and grip.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
14.00R24	★	153	G-2	26	TL	8.00TG	1350	360	3650	3.75	40
	★★										
16.00R24	★	161	G-2	28	TL	10.00VA	1460	425	4625	3.75	40
	★★										



## G203

1. The aggressive, self-cleaning tread design provides excellent traction in tough, demanding applications.
2. Reduced wheel spin & improved traction.
3. Excellent resistance to damage.
4. Off-the-Road directional tread design.
5. Improving operator comfort.
6. Self-cleaning tread.
7. Low road noise and reduced vibration.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
20.5R25	★★	193/177	G-2	28	TL	17.00/2.0	1508	522	11500/7300	6.5	10/50



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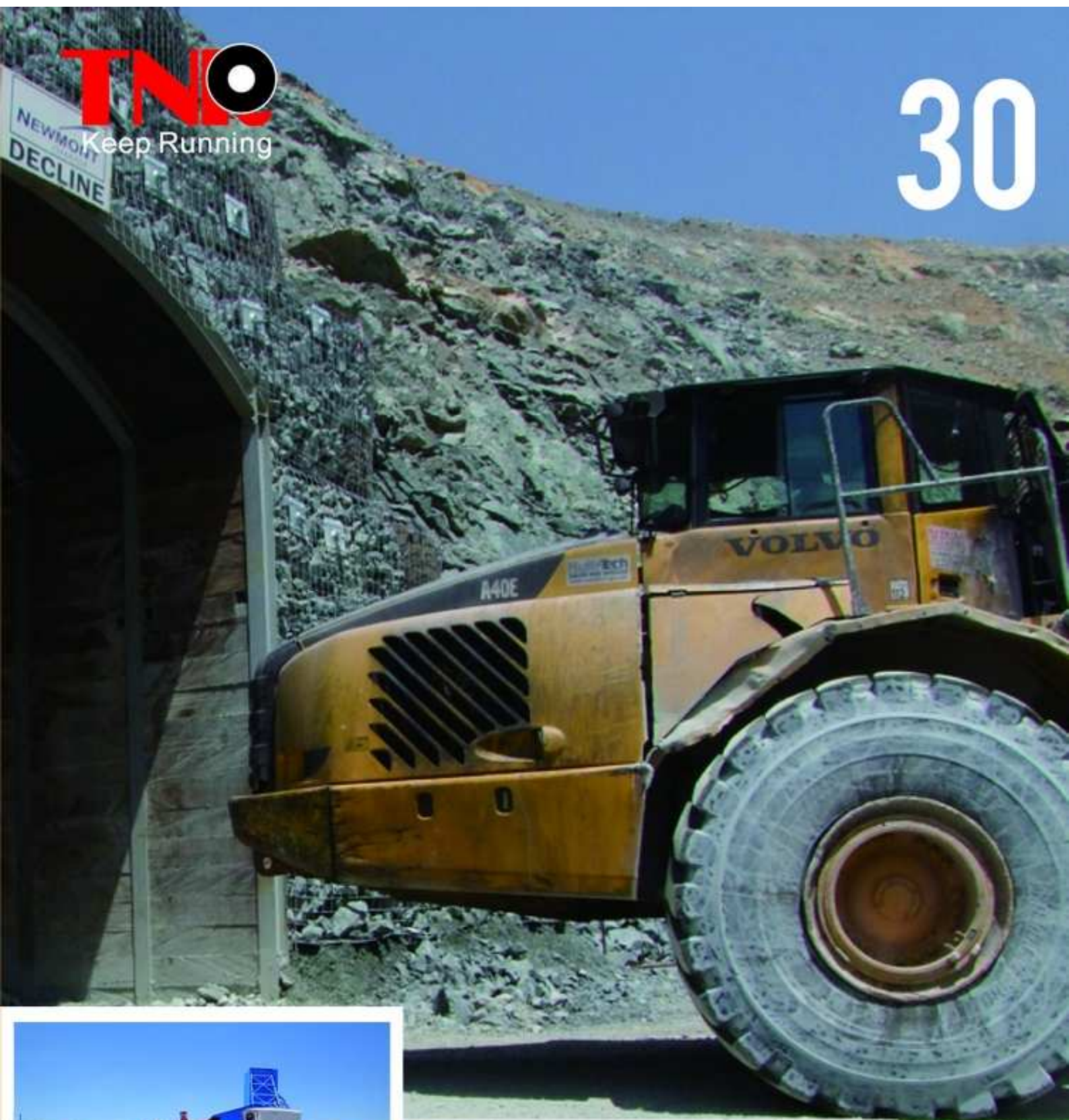
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**Underground Service**





## SmoothKing

1. This extra deep smooth L5S tread design provides maximum wear resistance in the toughest applications.
2. Wear & Cut resistant tread compound.
3. Especially suitable for mining and waste handling operations.
4. Optimum reliability.
5. Extra deep tread depth provides long tread life in extreme conditions.
6. Excellent traction & floatation.
7. Reduced vibration & increased stability.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
17.5R25	★★	182	L-5S	65	TL	14.00-1.5	1399	445	8500	6.5	10
20.5R25	★★	193	L-5S	72	TL	17.00-2.0	1548	521	11500	6.5	10
23.5R25	★★	201	L-5S	83	TL	19.50-2.5	1673	597	14500	6.5	10
26.5R25	★★	209	L-5S	90	TL	22.00-3.0	1798	673	18500	6.5	10
29.5R25	★★	216	L-5S	100	TL	25.00-3.5	1921	750	22400	6.5	10
29.5R29	★★	218	L-5S	100	TL	25.00-3.5	2023	750	23600	6.5	10
18.00R25	★★	204	L-5S	80	TL	13.00-2.5	1655	515	16000	8.25	10
35/65R33	★★	224	L-5S	97	TL	28.00-3.5	2050	895	28000	6.5	10



**CRANE SERVICE**





## E201

### Pattern Features:

1. The non-directional radial tire design to deliver exceptional operator comfort and durability in high-speed and demanding on-and-off road crane applications.
2. Superior comfortable ride.
3. Superior traction on all surfaces.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
14.00R24 (385/95R24)	★★★★	170	E-2	23	TT	10.00W	1356	382	6000	10	70
14.00R25 (385/95R24)	★★★★	170	E-2	23	TT	10.00-1.5	1356	382	6000	10	70
16.00R25 (445/95R25)	★★★★	177	E-2	23	TL	11.25-2.0	1493	432	7300	9	70
	★★★★	174	E-2	28	TL	11.25-2.0	1493	432	6700	10	80
17.5R25 (445/80R25)	★★★★	170	E-2	28	TL	14.00-1.5	1348	445	6000	10	70
20.5R25 (525/80R25)	★★★★	179	E-2	31	TL	17.00-2.0	1490	521	7750	10	70
18.00R25 (505/95R25)	★★★★	186	E-2	16.5	TL	13.00-2.5	1615	498	9500	10	70

## E202



1. The non-directional radial tire design to deliver exceptional operator comfort and durability in high-speed and demanding on-and-off road crane applications.
2. Excellent resistance to damage.
3. Improving operator comfort.
4. Self-cleaning tread.
5. Low road noise and reduced vibration.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
14.00R24 (385/95R24)	★★★★	170	E-2	23	TT	10.00W	1368	382	6000	10	70
14.00R25 (385/95R25)	★★★★	170	E-2	23	TL	10.00-1.5	1368	382	6000	10	70
16.00R25 (445/95R25)	★★★★	174	E-2	28	TL	11.25-2.0	1493	432	6700	10	80
16.00R25 (445/95R25)	★★★★	174	E-2	28	TL	11.25-2.0	1488	438	6700	10	80
20.5R25 (525/80R25)	★★★★	177	E-2	31	TL	17.00-2.0	1504	516	7300	10	80



## E203

### Pattern Features:

1. Radial tire design especially for high-speed applications on well-maintained site roads and highways.
2. High speed capability.
3. Excellent traction on all conditions both at on and off highways.
4. Exceptional casing durability.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
16.00R25	★	167	E-2	25	TL	11.25-2.0	1493	432	5450	4.5	50
	★★	177							7300	6.5	50
	★★★	177							7300	9	70



## E204

### Pattern Features:

1. Designed with an aggressive, non-directional tread to give graders to increase productivity all the year round.
2. It offers superior durability and cool running with high speed.
3. This new generation of tread design offers exceptional abrasiveness and fuel economy.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
18.00R25	★	176	E-2	30	TL	13.00-2.5	1615	498	7100	4.5	50
	★★	185							9250	6.5	50
	★★★	186							9500	9	70





## MS201

### Pattern Features:

1. Special abrasion resistance and good traction.
2. Designed for using on graders and loaders where exceptional traction on snow and ice is required.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
15.5R25	★★	176/160	L-2/E-2	25	TL	12.00-1.3	1277	394	7100/4500	6.5/5.25	10/50
17.5R25	★★	182/167	L-2/E-2	38	TL	14.00-1.5	1348	445	8500/5450	6.5/5.25	10/50
20.5R25	★★	193/177	L-2/E-2	31	TL	17.00-2.0	1490	521	11500/7300	6.5/5.25	10/50
23.5R25	★★	201/185	L-2/E-2	34	TL	19.50-2.5	1617	597	14500/9250	6.5/5.25	10/50
26.5R25	★★	209/193	L-2/E-2	37	TL	22.00-3.0	1750	673	18500/11500	6.5/5.25	10/50
29.5R25	★★	216/200	L-2/E-2	43.5	TL	25.00-3.5	1873	750	22400/14000	6.5/5.25	10/50
16.00R25	★★★	179	E-2	28	TL	11.25-2.0	1493	432	6700	10	70

## MS202



### Pattern Features:

1. Aggressive, self-cleaning tread design provides excellent traction in tough, demanding & winter/snow applications.
2. Wear & Cut resistant tread compound.
3. Self-cleaning tread.
4. Superior winter traction.
5. Suitable for loaders and articulated dumper trucks.
6. Excellent traction & floatation.
7. Reduced vibration & increased stability.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
14.00R24	★	175/153	L-2/E-2	24	TL	10.00VA	1360	388	6900/3650	10/10	10/40
17.5R25	★★	182/153	L-2/E-2	29	TL	14.00-1.5	1339	449	8500/3650	6.5/5.25	10/40
20.5R25	★★	193/161	L-2/E-2	31	TL	17.00-2.0	1491	516	11500/4625	6.5/5.25	10/40
23.5R25	★★	201/170	L-2/E-2	34	TL	19.50-2.5	1613	596	14500/6000	6.5/5.25	10/40



## **IND/Port Service**







## INDPORT01

### Pattern Features:

1. All purposes designed for traction and floatation; solid centerline provides excellent lateral stability.
2. Designed to deliver excellent performance and low operating costs in the most demanding conditions.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
12.00R24	★★★	178	IND-4	41.5	TL	8.5	1245	340	7500	10	25
16.00R25	★★★	200	IND-4	72.5	TL	11.25-2.0	1530	430	14000	10	25
18.00R25	★★★	214	IND-4	63	TL	13.00-2.5	1680	510	21200	10	25
18.00R33	★★★	219	IND-4	73	TL	13.00-2.5	1860	510	24300	10	25



## INDPORT02

### Pattern Features:

1. The rugged radial tire designed for forklift trucks, terminal tractors and other industrial equipment used in heavy-duty applications.
2. Designed to deliver excellent performance and low operating costs in the most demanding conditions.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
18.00R25	★★★	214	IND-4	63	TL	13.00-2.5	1680	510	21200	10	25



## INDPORT03

### Pattern Features:

1. Specially designed for straddle carriers.
2. Features great resistance to heat build-up and excellent stability due to optimized distribution of the two heavy straight grooves.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
16.00R25	★★	200	IND-4	50	TL	11.25-2.0	1511	433	14000	10	25



**Giant OTR**





## G-RADIAL101

### Pattern Features:

1. Deep tread designed for severe and rocky surfaces.
2. Used for open pit and quarry.
3. Special sidewall design provides extended protection, preventing tire from cutting.
4. The excellent combination of traction, stability and comfortable ride.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
27.00R49	★★	223	E-4	68	TL	19.50-4.0	737	2702	27250	7	50
30.00R51	★★	230	E-4	74	TL	22.00-4.5	823	2904	33500	7	50
33.00R51	★★	235	E-4	80	TL	24.00-5.0	894	3061	38750	7	50
36.00R51	★★	241	E-4	88	TL	26.00-5.0	988	3233	46250	7	50
37.00R57	★★	246	E-4	89	TL	27.00-6.0	1016	3438	51500	7	50
40.00R57	★★	250	E-4	93	TL	29.00-6.0	1097	3594	60000	7	50



## G-RADIAL102

### Pattern Features:

1. Deep tread designed for severe and rocky surfaces.
2. Used for open pit and quarry.
3. Special sidewall design provides extended protection, preventing tire from cutting.
4. The excellent combination of traction, stability and comfortable ride.

Tire Size	Star Rating	Load Index	TRA Code	Tread Depth (mm)	Tube Type	Standard Rim	Inflated Dimensions(mm)		Max Load (kg)	Standard Pressure (bar)	Max Speed (km/h)
							Overall Diameter	Section Width			
27.00R49	★★	223	E-4	76	TL	19.50-4.0	737	2702	27250	7	50
30.00R51	★★	230	E-4	82	TL	22.00-4.5	823	2904	33500	7	50
33.00R51	★★	235	E-4	88	TL	24.00-5.0	894	3061	38750	7	50
36.00R51	★★	241	E-4	92	TL	26.00-5.0	988	3233	46250	7	50
37.00R57	★★	246	E-4	94	TL	27.00-6.0	1016	3438	51500	7	50
40.00R57	★★	250	E-4	96	TL	29.00-6.0	1097	3594	60000	7	50

# STAR RATING TO PLY RATING

Service	Tire Size	Star Rating	Corresponding Ply Rating
<b>Grader</b>	14.00R24	★	up to 16
	16.00R24	★	up to 16
	17.5R25	★	up to 16
<b>Earthmover</b>	12.00R24	★ ★ ★	up to 24
	14.00R24	★ ★ ★	up to 32
	14.00R25	★ ★ ★	up to 32
	16.00R25	★ ★	up to 36
	18.00R25	★	up to 24
	18.00R33	★ ★	up to 36
	18.00R33	★ ★	up to 40
	21.00R33	★ ★	up to 36
	21.00R35	★ ★	up to 44
	24.00R35	★ ★	up to 48
	24.00R35	★ ★	up to 48
	27.00R49	★ ★	up to 54
	30.00R51	★ ★	up to 58
	33.00R51	★ ★	up to 64
	36.00R51	★ ★	up to 66
	40.00R57	★ ★	up to 74
	17.5R25	★	up to 16
	20.5R25	★	up to 24
	20.5R25	★ ★	up to 28
	25/65R25	★ ★	up to 32
	23.5R25	★ ★	up to 24
	23.5R25	★ ★	up to 32
	26.5R25	★ ★	up to 32
	29.5R25	★ ★	up to 34
	29.5R29	★ ★	up to 40
	33.25R29	★ ★	up to 44
<b>Loader</b>	15.5R25	★	up to 16
	17.5R25	★	up to 16
	20.5R25	★	up to 24
	20.5R25	★ ★	up to 28
	23.5R25	★	up to 24
	23.5R25	★ ★	up to 32
	26.5R25	★	up to 24
	26.5R25	★ ★	up to 36
	29.5R25	★	up to 28
	29.5R25	★ ★	up to 34
	29.5R29	★	up to 34
	35/655R33	★	up to 36
	45/65R45	★	up to 50