



TECHNICAL DATA BOOK



Who We Are —

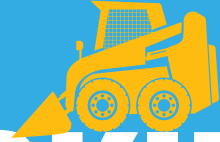
Meet India's leading equipment manufacturers - **Massey Ferguson, Eicher, Swaraj, Sonalika, JCB, Bobcat, Tata Hitachi, L&T Construction, Escorts, ACE, John Deere and Mahindra.** What do they have in common? JK Tyre's off-highway tyres.

We are JK Tyre & Industries Ltd., **one of India's foremost tyre manufacturers and among the top 25 in the world.** Our superior treads and technology have helped businesses outperform themselves on farms, in factories, on roads and even in mines. We've kept the wheels of progress turning since 1977. **With 9 manufacturing units in India and 3 in Mexico, we produce 35 million tyres every year.** In other words, 35 million ways for you to get the bang for your buck, every single time.

HOW WE'VE KEPT THE WHEELS TURNING

- 2018**
First tyre brand to feature in the LIMCA Book of Records for manufacturing India's largest tyre
First tyre brand to introduce the sensor-based Smart Tyre-TPMS solution in India
- 2016**
First Indian company to roll-out 10 million truck/bus radial tyres
- 2010**
Manufactured India's largest OTR tyre of size 40.00-57
JK Tyre became the world's first tyre company to simultaneously receive the ISO 9001 certification for its entire operations and the QS 9000 certification for its multi-location operations
First tyre company in India to receive a Commendation Certificate from the "CII-Exim Bank Award for Business Excellence"
First tyre company to introduce karting in India
First Indian tyre company to be recognized as a 'superbrand'. JK Tyre has now received this award 7 times in a row
- 2006**
Manufactured Z-rated Formula Radials (speed rating of 300 Kmph)
- 2003**
Manufactured the 'Asymmetric' Passenger Radial tyre
- 2001**
Started manufacturing Radials for the entire range of Trucks/Buses, LCVs, MUVs, Jeeps, Cars and Tractors
- 1999**
Manufactured All Steel Truck & Bus Radials
- 1995**
Manufactured 'Dual Contact', an Aquasonic Tyre
- 1991**
Established the Hari Shankar Singhania Elastomer and Tyre Research Institute (HASETRI), a first of its kind, state-of-the-art R&D Centre in Asia
- 1991**
JK Tyre's Hari Singh was adjudged the first-ever Asia Zone Rally Champion and a 5-time National Rally Champion
- 1996**
Manufactured H-rated Radials (speed rating of 210 Kmph)
- 1991**
Manufactured T-rated Radials (speed rating of 190 Kmph)
- 1980**
Manufactured Steel-Belted tyres for 3-wheelers
- 1977**
Pioneered Radial technology in India by introducing Steel-Belted Passenger Radials





SKID STEER





Jet Trax Super N.H.S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10-16.5	8.25	10	135	A2	TL	280	780	372	2340	2135	5.2
12-16.5	9.75	12	145	A2	TL	315	835	397	2505	2865	5.5



TREAD DESIGN
Broad, flat and specially designed stepped lugs that support a variety of NHS applications



SERVICE LIFE
A thicker and wider sidewall for enhanced sidewall stability and longer life



STRONG CONSTRUCTION
A specially designed rim guard protects the rim flange area from wheel damage



COMPOUND
The big daddy of modern silica-based tread compounds. 'Chip & tear' resistant and so tough that even rough concrete and the off-roads are no match for it

SIZES*

- 10-16.5
- 12-16.5

*All product sizes are made in India and Mexico.



TREAD DESIGN

Specially designed lugs that provide excellent stability for a variety of NHS applications



SERVICE LIFE

Casing protector for enhanced self-cleaning penetration resistance in loose and muddy surfaces



STRONG CONSTRUCTION

Robust wide wall and rim guard design for superior protection from wheel damage in the rim flange area



COMPOUND

New-age silica-based tread compound for added resistance to wear and tear

Jet Trax Super II N.H.S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
31X15.5-15	13LB	8	132	A2	TL	395	780	370	2340	1975	3.1
33X15.5-16.5	12	12	148	A2	TL	394	827	393	2481	3150	4.1
		14	151	A2	TL	394	827	393	2481	3450	4.8
14-17.5	10.5	10	147	A2	TL	352	930	441	2790	3075	3.8
		14	155	A2	TL	352	930	441	2790	3875	5.5

SIZES

31X15.5-15

33X15.5-16.5

14-17.5



TREAD DESIGN
Peerlessly designed deep and sturdy treads with a high center mass.
Gives excellent mileage under grueling conditions



SERVICE LIFE
Robust wide wall and rim guard design for superior protection from
wheel damage in the rim flange area



STRONG CONSTRUCTION
Connected lugs through a tie bar and small elevated ridges for
self-cleaning, reduced lug shuffling and better lug stability



COMPOUND
New-age silica-based tread compound for added resistance
to wear and tear

Jet Trax Ultima N.H.S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10-16.5	8.25	6	124	A2	TL	273	799	381	2397	1600	3.1
		8	130	A2	TL	273	799	381	2397	1900	4.1
		10	135	A2	TL	273	799	381	2397	2135	5.2
		12	138	A2	TL	273	799	381	2397	2360	6.2
12-16.5	9.75	10	141	A2	TL	311	841	399	2523	2575	4.5
		12	145	A2	TL	311	841	399	2523	2865	5.5
		14	147	A2	TL	311	841	399	2523	3075	6.2

SIZES

- 10-16.5
- 12-16.5



Jet Trax HD N.H.S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10-16.5	8.25	10	135	A2	TL	268	790	376	2370	2135	5.2
12-16.5	9.75	12	145	A2	TL	324	864	410	2592	2865	5.5



TREAD DESIGN

Wide, flat and extra deep lugged tread pattern that’s built for grueling conditions



SERVICE LIFE

Deep tread and unique wide wall that lives long, gives added protection from punctures and enhances sidewall stability



STRONG CONSTRUCTION

Specially designed rim guard that shields the rim flange area from wheel damage



COMPOUND

The big daddy of modern silica-based tread compounds. ‘Chip & tear’ resistant and so tough that even rough concrete and the off-roads are no match for it

SIZES*

- 10-16.5
- 12-16.5

*All product sizes are made in India and Mexico.

**BACKHOE
LOADER**



IND 99 F-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
11L-15	8LB, 10LB	10	110	A8	TL	273	803	380	2409	1060	3.6
11L-16	8LB, W8L, 10LB, W10L	10	112	A8	TL	273	830	394	2490	1120	3.6
		12	116	A8	TL	273	830	394	2490	1250	4.4



OPTIMIZED TREAD DESIGN

Aggressive 5-rib “saw teeth” tread design for better steering and uniform wear



SERVICE LIFE

Specially designed tread protectors that resist external damage and enhance tyre life



COMPOUND

Specially formulated tread rubber for reduced wear and minimized tread cuts



STRONG CONSTRUCTION

Strong nylon casing for improved durability and load-carrying capacity

SIZES

- 11L-15
- 11L-16*

*Product size manufactured in India and Mexico.



TREAD DESIGN
An optimized directional lug pattern with "tapered lugs" and a rugged center block gives the tyre excellent directional stability and self-cleaning capabilities



COMPOUND
A compound specially developed to resist wear, cuts and improve tyre life



STRONG CONSTRUCTION
A heavy-duty nylon carcass construction with a distinctive tread pattern resists buckling, tearing and cracking



HEAVY BEAD CONSTRUCTION
An exclusively simulated bead construction enables uniform pressure distribution all along the bead and rim interference, giving good anchorage of the tyre on the rim during operations

SIZES		
25X8.50-14	10.5/80-18	12.5/80-18*
320/80-18		

*Product size manufactured in India and Mexico.

Industrial DX I-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
25X8.50-14	7.00, 7JA	6	93	A8	TL	219	655	305	1965	645	3.5
10.5/80-18	W9, W8	12	135	A8	TL	282	907	431	2721	2190	4.5
12.5/80-18	9, W9, W8	12	142	A8	TL	309	985	466	2955	2650	3.7
		16	148	A8	TL	309	985	466	2955	3150	4.9
	W9, W8	16	148	A8	TT	309	985	466	2955	3150	4.9
320/80-18	9, W9, W8	12	142	A8	TL	309	985	466	2955	2650	3.7



STRONG CONSTRUCTION

An optimized directional pattern achieved by an advanced simulation technique. The results? Exceptional traction and added resistance from buckling, tearing and cracking



STABILITY

The support you need. Wide and flat tread with big and broad lugs for excellent support while carrying loads. Augmented with puncture and damage resistance



TREAD DESIGN

Stronger than the ever-changing weather. A tread reinforcing bar in the center between the lugs keeps it strong and stable even in severe operating conditions



SERVICE LIFE

Lugs with a heavy buttressed design for improved tread life and enhanced traction

VBH Plus R-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
16.9-24	DW15L	12	149	A8	TL	450	1315	622	3945	3250	2.6
16.9-28	DW15L	12	152	A8	TT	448	1425	677	4275	3550	2.6
		12	152	A8	TL	448	1425	677	4275	3550	2.6

SIZES

16.9-24

16.9-28



STRONG CONSTRUCTION

An optimized directional pattern achieved by an advanced simulation technique. The results? Exceptional traction and added resistance to buckling, tearing and cracking



STABILITY

The support you need. Wide and flat tread with big and broad lugs for excellent support while carrying loads. Augmented with puncture and damage resistance



TREAD DESIGN

Stronger than the ever-changing weather. A tread reinforcing bar in the center between the lugs keeps the tyre strong and stable even in severe operating conditions



COMPOUND

It's strong. Really strong. A specially formulated compound and rugged nylon casing resists cuts, chips & bruises, enhances stability and augments the high load-carrying capacity

SIZES

43 x 16- 20	14.9-24	15.5/80-24
17.5L-24	19.5L-24	21L-24
16.9-28		

VBH Plus II_{R-4}

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
43 x 16- 20	14	4	145	A8	TL	415	1080	517	3240	1450	1.4
14.9-24	DW13, DW13L, DW11, DW12	12	145	A8	TL	395	1244	590	3732	2900	2.9
15.5/80-24	W12, W13, W14L	16	151	A8	TL	395	1244	590	3732	3450	4.0
		12	145	A8	TL	395	1244	590	3732	2900	2.9
17.5L-24	W15L	10	144	A8	TL	445	1240	588	3720	2800	2.2
		12	146	A8	TL	445	1240	588	3720	3000	2.5
19.5L-24	DW16A, W16L, W15L	10	146	A8	TL	495	1323	626	3969	3000	1.9
		12	151	A8	TL	495	1323	626	3969	3450	2.3
21L-24	DW18A, W18L	12	155	A8	TL	533	1377	650	4131	3875	2.2
		16	160	A8	TL	533	1377	650	4131	4500	2.8
16.9-28	W15L, DW15L, W14L, DW14L	10	148	A8	TL	448	1425	677	4275	3150	2.2
		12	152	A8	TT	448	1425	677	4275	3550	2.6
		12	152	A8	TL	448	1425	677	4275	3550	2.6



Industrial King

R-4



Backhoe Loader



TRACTION

Optimum tread depth and broader lugs for improved traction and increased tyre life



OPTIMIZED TREAD DESIGN

Directional pattern optimized through advanced simulation techniques. Gives excellent traction and resists buckling, tearing and cracking



STRONG CONSTRUCTION

Unique carcass protector in between lugs that protects the carcass from external damage and increases tyre life



COMPOUND

Specially formulated compound and rugged nylon casing that resists cuts, chips and abrasions. Additionally, it improves stability and load-carrying capacity

Industrial King R-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
19.5L-24	DW16A	12	151	A8	TL	495	1315	622	3945	3450	2.3

SIZES*

19.5L-24

*All product sizes are made in Mexico.



OPTIMIZED TREAD DESIGN

A computerized pattern design with high draft angles strengthens the lugs, gives them a robust look and improves their handling and load-carrying capacity



SERVICE LIFE

A smooth cavity and optimized tread design for even wear and superior shock absorption



STRONG CONSTRUCTION

Uniform ground pressure distribution for reduced tyre wear, longer tread life, higher mileage, lower vibration level and better comfort, flotation and traction



COMPOUND

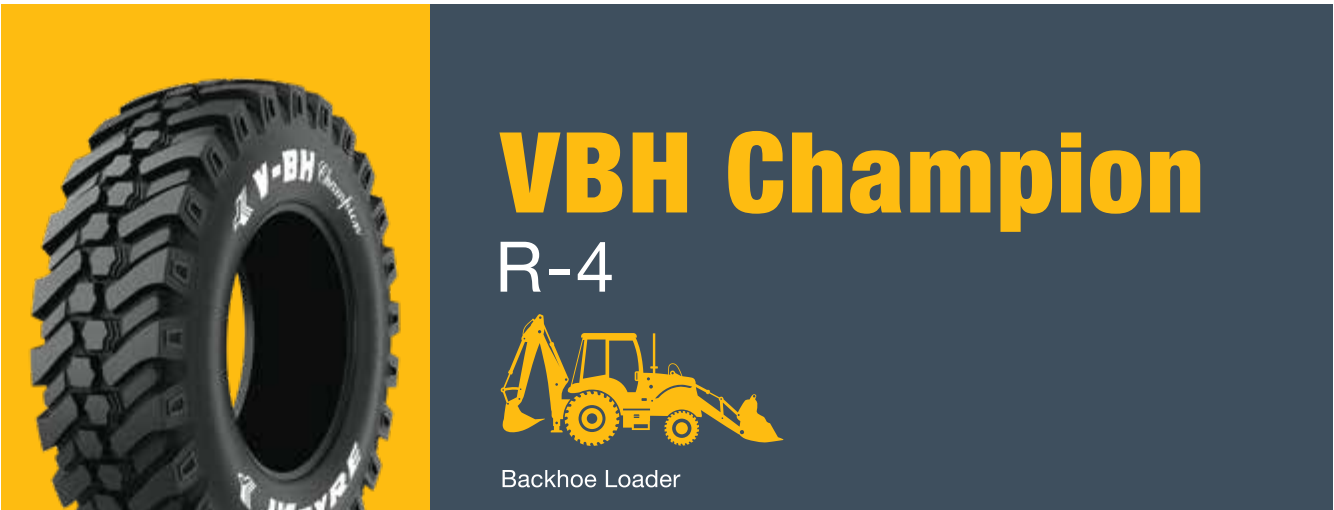
A high-quality tread rubber and equally tough nylon casing for exceptional results in industries, off-road sites and construction sites

VBH STAR R-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
16.9-28	DW15L	12	152	A8	TT	448	1428	678	4284	3550	2.6

SIZES

16.9-28



OPTIMIZED TREAD DESIGN
Non-directional tread pattern optimized by advanced simulation techniques for high strength lugs and added resistance to buckling



STRONG CONSTRUCTION
Toughened up like never before. A specially designed high depth casing protector gives added protection from sharp objects



STABILITY
A tread reinforcing bar between the lugs for added strength and stability even under severe operating conditions



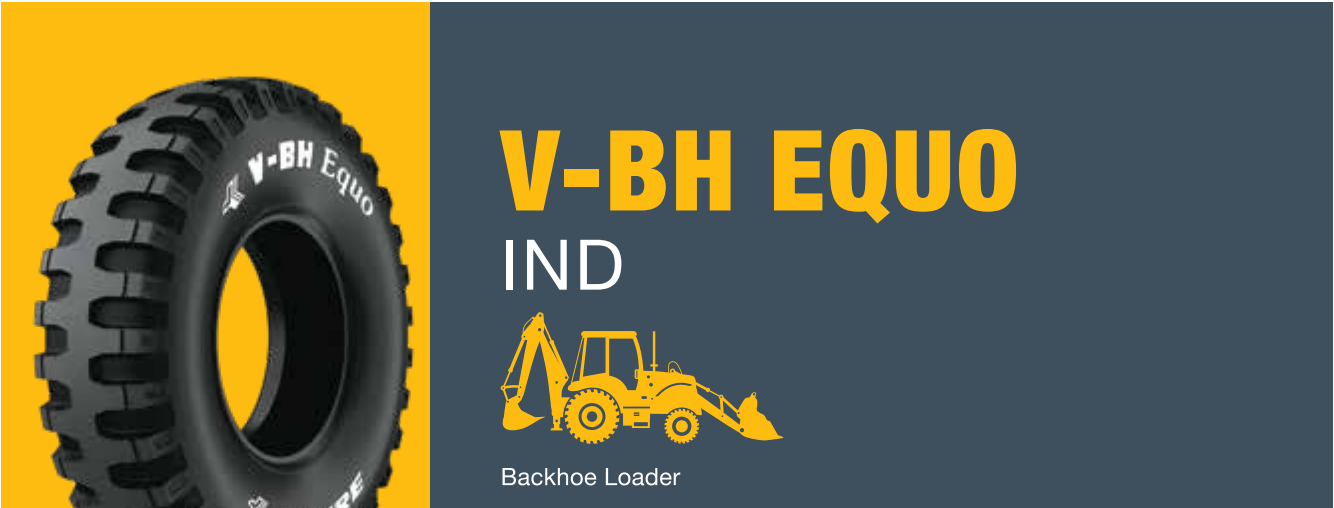
COMPOUND
It's strong. Really strong. A specially formulated compound and rugged nylon casing resists cuts, chips & bruises, enhances stability and augments the high load-carrying capacity

VBH Champion R-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
16.9-28	DW15L	12	152	A8	TT	448	1440	665	4320	3550	2.6

SIZES

16.9-28



V-BH EQUO IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
9.00-16	6.5	16	149	A8	TT	258	923	436	2769	3250	8.5



OPTIMIZED TREAD DESIGN
Non-directional tread pattern with advanced simulation techniques for high strength



STRONG CONSTRUCTION
Tread reinforcing bar between the lug and center rib to strengthen and stabilize lugs under severe operating conditions



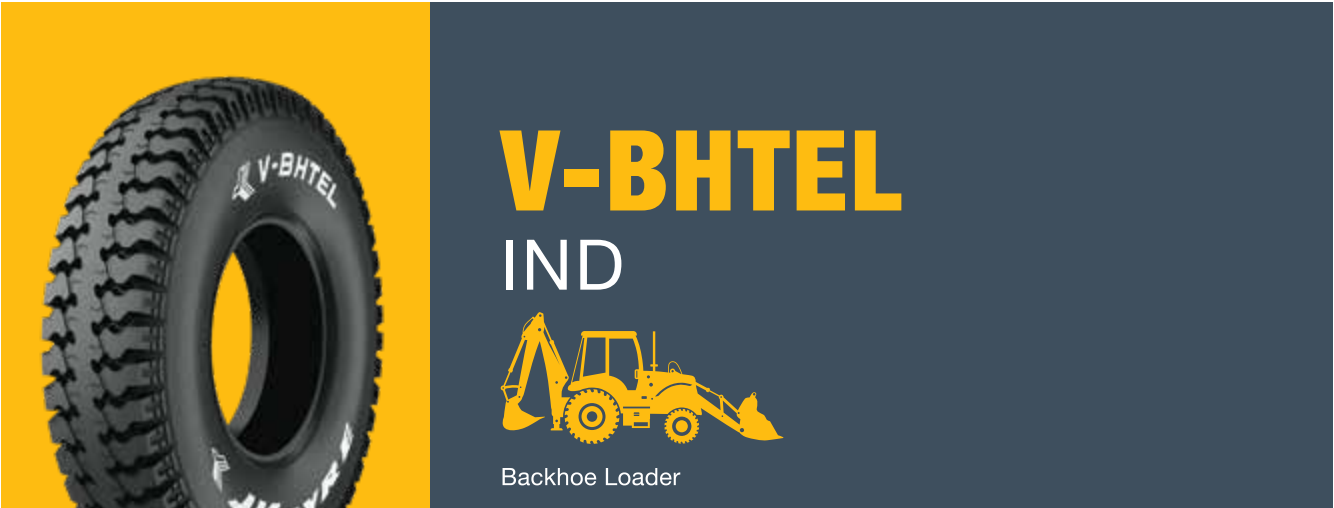
STABILITY
Wide & flat tread design for excellent steerability and high stability



COMPOUND
Specially formulated compound for improved resistance to cuts, chips, bruises, abrasions and punctures

SIZES

9.00-16



TREAD DESIGN
Superior pattern design with SIPES that gives excellent traction.
Also has wide treads with broad lugs for uniform contact and stability



STRONG CONSTRUCTION
Robust construction with a distinctive centre rib and design
for exceptional handling and towing



COMPOUND
Specially formulated compound and rugged nylon casing for
improved resistance to cuts, chips, bruises and abrasions

V-BHTEL IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
9.00-16	6.5	16	149	A8	TT	257	927	437	2781	3250	8.5

SIZES

9.00-16

**MULTIPURPOSE
CONSTRUCTION TYRES**



TREAD DESIGN

Big and broad lugs with a larger contact area for improved stability while lifting loads and a higher tread life



STRONG CONSTRUCTION

Tough nylon casing for extra load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

An exclusively simulated bead construction enables uniform pressure distribution all along the bead and rim interference, giving good anchorage of the tyre on the rim during operations



COMPOUND

A wear-resistant and low heat-dissipating tread compound for cooler running and extra service life

VEM 99 ULTIMA MPT/IND

MPT

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
16/70-20	13.00	16	169	A2	TT	395	1095	518	3285	5850	5.2
16/70-20	13.00	16	169	A2	TL	395	1095	518	3285	5850	5.2

IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
9.00-16	6.0	16	149	A8	TT	260	915	432	2745	3250	8.5

SIZES

9.00-16

16/70-20



TREAD DESIGN

Great design. Greater performance. A directional and open tread design achieves high traction, superior self-cleaning and exceptional directional stability



STRONG CONSTRUCTION

Wide and flat tread coupled with big and broad lugs for reduced lug shuffling and uniform tread wear



COMPOUND

Proven for off-road applications. Lives long and resists cuts and wear



OPTIMUM OFF-ROAD PERFORMANCE

High-strength nylon carcass for exceptional off-road performance

Tuff Grip ^{MPT}

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
16/70-20	13	14	166	A2	TL	407	1100	520	3300	5300	4.5
		18	173	A2	TT	407	1100	520	3300	6475	5.75
		20	176	A2	TT	407	1100	520	3300	7050	6.4

SIZES

16/70-20



TREAD DESIGN

Directional pattern with concentrated rubber mass in the center for higher mileage, both on and off the road



SERVICE LIFE

Stepped lug design that improves stone ejection and mileage



DIRECTIONAL STABILITY

Wide and flat tread with big and broad lugs for directional stability and an excellent steering response



COMPOUND

Specially formulated compound and rugged nylon casing for added resistance to cuts, chips, bruises and abrasions. Augmented with a high load-carrying capacity and better stability

MPT 117 MPT

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
12.0/75-18	9	12	135	A8	TL	305	915	435	2745	2185	4
12.5-18	9	12	136	A8	TT	320	990	468	2970	2245	3.5

SIZES

12.0/75-18

12.5-18



WHEELED EXCAVATORS





Tuff Grip E-2

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10.00-20	7.5	16	145	B	TT	276	1067	506	3201	2900	7.3
		16	145	B	TL	276	1067	506	3201	2900	7.3
11.00-20	8	16	148	B	TT	295	1090	516	3270	3150	7.3
		16	148	B	TL	295	1090	516	3270	3150	7.3



TREAD DESIGN
Directional and open tread design for high traction, superior self-cleaning and excellent directional stability



SERVICE LIFE
An optimized tread lug overlap in the center and a connecting tie bar for reduced lug shuffling and uniform tread wear



COMPOUND
Proven for off-road applications. Lives long and resists cuts and wear



OPTIMUM OFF-ROAD PERFORMANCE
High-strength nylon carcass for exceptional off-road performance

SIZES

- 10.00-20
- 11.00-20



PAVERS AND COMPACTORS





TREAD DESIGN

Non-directional tread pattern with specially designed tread buttons for a robust appearance and better traction in soft underfoot conditions



WIDE FOOTPRINT

A wide and flat footprint for maximum contact, better flotation and minimal soil disturbance



STRONG CONSTRUCTION

Heavy-duty nylon carcass construction and a distinctive tread pattern that resists buckling, tearing and cracking



COMPOUND

A specially formulated tread compound that resists cuts, chips, bruises, abrasions and punctures and takes stability and load-carrying capacity to the next level

V Compact R-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.9-24	W13, W12	6	119	A8	TL	405	1250	593	3750	1360	1.4
		8	124	A8	TL	405	1250	593	3750	1600	1.8
18.4-26	DW16A, W15L, DW15A	12	142	A8	TL	480	1425	674	4275	2650	2.2
23.1-26	DW20B	8	145	A6	TL	587	1560	735	4680	2900	1.1
		12	153	A6	TL	587	1560	735	4680	3650	1.7
		16	159	A6	TL	587	1560	735	4680	4375	2.3

SIZES

14.9-24	18.4-26	23.1-26
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WIDE FOOTPRINT

A wide and flat footprint increases the contact area and improves flotation, while minimizing the soil disturbance



STRONG CONSTRUCTION

Heavy-duty nylon carcass construction and a distinctive tread pattern that resists buckling, tearing and cracking



COMPOUND

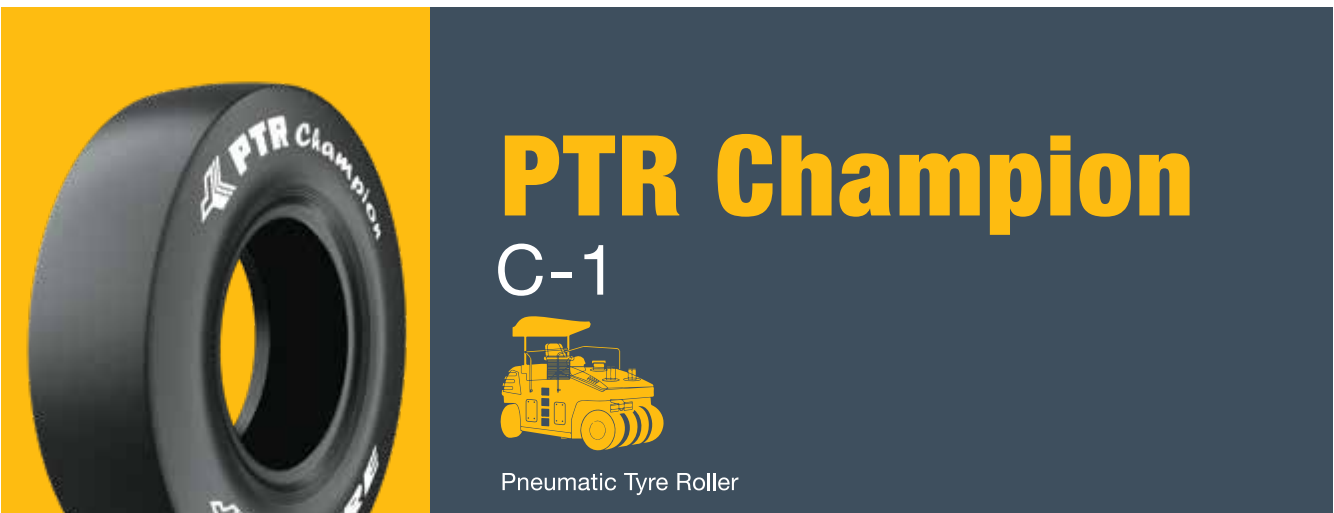
Optimized tread pattern for self-cleaning and flotation on soft and wet soil

VRC 18 R-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
28L-26	DW25B	16	157	A8	TL	740	1590	749	4770	4125	1.9
23.1-26	DW20B	8	145	A6	TL	600	1583	745	4749	2900	1.1
		12	153	A6	TL	600	1583	745	4749	3650	1.7
		16	159	A6	TL	600	1583	745	4749	4375	2.3

SIZES

- 28L-26
- 23.1-26



TREAD DESIGN
A specially designed simulated tread profile optimizes the contact area and ensures an even contact pressure



STRONG CONSTRUCTION
Sturdy casing for improved durability and high load-carrying capacity



COMPOUND
Premium quality tread compound that resists cuts and heat

PTR Champion C-1

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
11.00-20	8	18	169	A2	TT	290	1070	507	3210	5800	8.3

SIZES

11.00-20



GRADER





TREAD DESIGN

An optimized directional lug pattern with ‘tapered lugs’ and a rugged center block achieves exceptional stability and superior self-cleaning



COMPOUND

A unique tread compound that resists cuts and aging



STRONG CONSTRUCTION

Heavy-duty nylon carcass construction that resists buckling, tearing and cracking



HEAVY BEAD CONSTRUCTION

The gold standard of bead construction. Gives superb anchorage of the tyre on the rim

EG 04 G-2

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
13.00-24	8.00TG	12	143	A8	TT	337	1285	609	3855	2725	3
		16	150	A8	TT	335	1285	609	3855	3340	4
14.00-24	10.00VA	12	147	A8	TL/TT	365	1343	635	4029	3075	2.5
		16	153	A8	TL	365	1343	635	4029	3650	3.5
	8.00TG, 10.00VA	16	153	A8	TT	365	1343	635	4029	3650	3.5

SIZES

- 13.00-24
- 14.00-24



EG 04 DX G-2 / L-2

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
15.5-25	12.00/1.3	12	142	A8	TL	396	1272	604	3816	2650	2.3
17.5-25	14.00/1.5	16	150	A8	TL	440	1340	635	4020	3350	2.8
		20	153	A8	TT	440	1340	635	4020	3650	3.25
20.5-25	17.00/2.0	16	156	A8	TL	518	1493	704	4479	4000	2.3



TREAD DESIGN

Open tread design with an effective center overlap. Achieves superior traction, self-cleaning and directional stability



COMPOUND

A unique tread compound that resists cuts and aging



STRONG CONSTRUCTION

Heavy-duty nylon carcass construction that resists buckling, tearing and cracking



HEAVY BEAD CONSTRUCTION

The gold standard of bead construction. Gives superb anchorage of the tyre on the rim

SIZES

15.5-25	17.5-25	20.5-25
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TREAD DESIGN

Big and broad lugs for improved contact, added stability while lifting loads and longer tread life



STRONG CONSTRUCTION

Tough nylon casing for improved load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

Simulated bead construction for extra strong triple beads, improved anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and low heat-dissipating tread compounds for cooler running and extra service life

VEM 99 E-3/L-3/L-4

E-3/L-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	12	162	B	TL	500	1610	756	4830	4750	2
20.5-25	17.00/2.0	20	186	A2	TL	525	1490	702	4470	9500	4.5
		24	189	A2	TL	525	1490	702	4470	10300	5.3

L-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
17.5-25	14.00/1.5	16	177	A2	TL	450	1355	642	4065	7300	4.8
		20	181	A2	TL	450	1355	642	4065	8250	5.75
		24	186	A2	TL	450	1355	642	4065	9525	7

L-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
29.5-29	25.00/3.5	28	210	A2	TL	750	2030	950	6090	19000	4.3

SIZES

17.5-25

18.00-25

20.5-25

29.5-29



TREAD DESIGN

Big and broad lugs for improved contact, added stability while lifting loads and longer tread life



STRONG CONSTRUCTION

Tough nylon casing for extra load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

Simulated bead construction for extra strong triple beads, improved anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and low heat-dissipating tread compounds for cooler running and extra service life

VEM AS E-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.00-24	10.00/1.5	28	196	A5	TL	380	1370	648	4110	12500	10.0
		20	161	B	TT	380	1370	647	4110	4625	4.75
		16	156	B	TL	380	1370	647	4110	4000	3.75

SIZES

14.00-24




**WHEEL
LOADER**



TREAD DESIGN

Big and broad lugs for improved contact, added stability while lifting loads and longer tread life



HEAVY BEAD CONSTRUCTION

Simulated bead construction for extra strong triple beads, improved anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and low heat-dissipating tread compounds for cooler running and extra service life

VEM AS L-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.00-20	10.00/1.5	22	159	B	TT	380	1268	596	3804	4375	5.5
14.00-25	10.00/1.5	12	172	A2	TT	380	1370	648	4110	6300	4.3
		20	182	A2	TT/TL	380	1370	648	4110	8500	7
		24	186	B	TT	380	1370	647	4110	9500	8.5
		24	186	B	TL	380	1370	647	4110	9500	8.5

SIZES

- 14.00-20
- 14.00-25



TREAD DESIGN

Technology meets tread. A tread pattern developed by high-end computational simulations achieves excellent traction, flushing and contact pressure distribution



COMPOUND

The big daddy of modern silica-based dual tread compounds. Provides excellent cut resistance and is optimized for cooler running



STRONG CONSTRUCTION

Strong nylon construction for a super strong bead construction. A high denier fabric achieves excellent casing strength and reliability during impact loads



LUG REINFORCEMENT

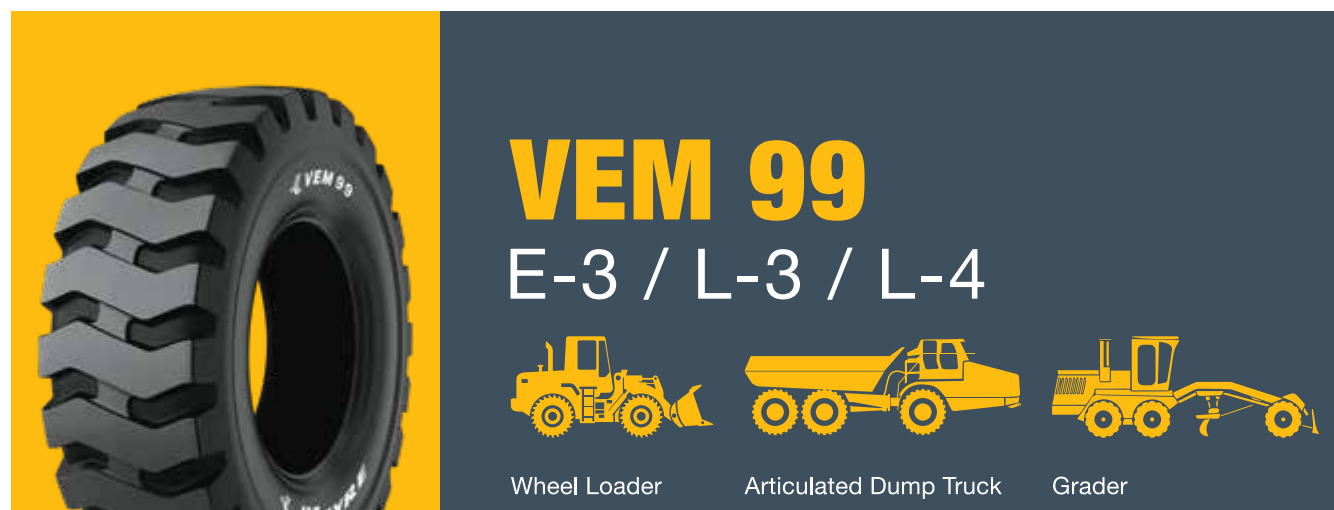
Connecting reinforcement in the shoulder region of the lug bottom for reduced heat generation

Mine Champion L-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.00-25	10.00/1.5	36	193	A2	TT	375	1415	669	4245	11500	10.5

SIZES

14.00-25



TREAD DESIGN

Big and broad lugs for improved contact, added stability while lifting loads and longer tread life



STRONG CONSTRUCTION

Tough nylon casing for extra load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

Simulated bead construction for extra strong triple beads, improved anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and low heat-dissipating tread compounds for cooler running and extra service life

VEM 99 E-3/L-3/L-4

E-3/L-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
20.5-25	17.00/2.0	20	186	A2	TL	525	1490	702	4470	9500	4.5
		24	189	A2	TL	525	1490	702	4470	10300	5.3
26.5-25	22.00/3.0	28	203	A2	TL	700	1740	815	5220	15500	4.8
29.5-25	25.00/3.5	28	207	B	TL	780	1870	873	5610	17500	4.3
		34	212	A2	TL	780	1870	873	5610	20000	5.3

L-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
17.5-25	14.00/1.5	16	177	A2	TL	450	1355	642	4065	7300	4.8
		20	181	A2	TL	450	1355	642	4065	8250	5.75
		24	186	A2	TL	450	1355	642	4065	9525	7
23.5-25	19.00/2.5	20	191	A2	TL	620	1625	763	4875	10900	3.8
		28	199	A2	TL	620	1625	763	4875	13600	5.5

L-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	24	196	A2	TL	489	1658	778	4974	12500	5.5
29.5-29	25.00/3.5	28	210	A2	TL	750	2030	950	6090	19000	4.3

SIZES

17.5-25

20.5-25

23.5-25

26.5-25

29.5-25

29.5-29

18.00-25



TREAD DESIGN

High tread depth provides extra life in application. Big and broad lugs provide higher stability during loading application



STRONG CONSTRUCTION

Tough nylon casing provides extra load carrying capability & excellent casing reliability. Sidewall protectors provides extra cut protection at sidewall in rocky application. Tie bar at shoulder reduces lug shuffling and in turn reduces heat generation in operation



SERVICE LIFE

High Tie Bar Height at center increases the tyre life as it wears along



COMPOUND

Exceptional wear & cut resistant tread compound ensures higher mileage & enhanced penetration resistance

SIZES

- 35/65-33
- 45/65-45

VEM 63 L-5

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
35/65-33	28.00/3.5	32	216	A2	TL	900	2080	978	6240	22400	4.8
		42	222	A2	TL	900	2080	978	6240	26500	6.3
45/65-45	36.00/4.5	58	244	A2	TL	1150	2740	1290	8220	50000	6.75



RIGID DUMP TRUCK





TREAD DESIGN

Technology meets tread. A tread pattern developed by high-end computational simulations achieves excellent traction, flushing and contact pressure distribution



COMPOUND

The big daddy of modern silica-based dual tread compounds. Provides excellent cut resistance and is optimized for cooler running



STRONG CONSTRUCTION

Strong nylon construction for a super strong bead construction. A high denier fabric achieves excellent casing strength and reliability during impact loads



LUG REINFORCEMENT

Connecting reinforcement in the shoulder region of the lug bottom for reduced heat generation

Mine Champion E-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.00-25	10.00/1.5	36	178	B	TT	375	1415	669	4245	7500	9

SIZES

14.00-25



TREAD DESIGN

Big and broad lugs for improved contact, added stability while lifting loads and longer tread life



STRONG CONSTRUCTION

Tough nylon casing for extra load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

Extra strong beads, courtesy of a simulated bead construction. Gives exceptional anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and heat-dissipating compound for cooler running and a prolonged service life

VEM 99 E-3 / E-4

E-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	32	183	B	TL	500	1610	756	4830	8750	5.8

E-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	32	183	B	TL	489	1658	778	4974	8750	5.8
		40	187	B	TL	489	1658	778	4974	9750	7.0

SIZES

18.00-25



TREAD DESIGN

Technology meets tread. A tread pattern developed by high-end computational simulations for exceptional traction, flushing and contact pressure distribution



COMPOUND

A new-age silica-based tread compound for excellent cut & abrasion resistance, cooler running and extended tyre life



STRONG CONSTRUCTION

Tough nylon construction, super strong bead construction and a piece of high denier fabric. The results excellent casing strength and reliability even during heavy-duty operations



LUG REINFORCEMENT

A connecting reinforcement in the shoulder region of the lug bottom for reduced heat generation

VEM 045 E-3 / E-4

E-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
40.00-57	29.00/6.0	68	247	B	TL	1125	3526	1659	10578	54500	5.5

E-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-33	13.00/2.5	36	190	B	TL	518	1865	881	5595	10600	6.3
		40	193	B	TL	518	1865	881	5595	11500	7
21.00-35	15.00/3.0	36	197	B	TL	590	2045	965	6135	12850	5.5
24.00-35	17.00/3.5	48	209	B	TL	653	2175	1023	6525	18500	6.5
24.00-49	17.00/3.5	48	215	B	TL	673	2545	1207	7635	21800	6.5
27.00-49	19.50/4.0	48	220	B	TL	765	2703	1279	8109	25000	5.8
		54	223	B	TL	765	2703	1279	8109	27250	6.5
30.00-51	22.00/4.5	46	225	B	TL	850	2905	1372	8715	29000	5
		52	226	B	TL	850	2905	1372	8715	30000	5.5
33.00-51	24.00/5.0	58	232	B	TL	925	3061	1442	9183	35500	5.8
36.00-51	26.00/5.0	58	237	B	TL	1025	3240	1523	9720	41250	5.3
40.00-57	29.00/6.0	60	244	B	TL	1120	3590	1688	10770	50000	4.8
		68	247	B	TL	1120	3590	1688	10770	54500	5.5

SIZES

18.00-33	21.00-35	24.00-35
24.00-49	27.00-49	30.00-51
33.00-51	36.00-51	40.00-57



OPTIMIZED TREAD DESIGN

Non-directional tread pattern with dual bend grooves for minimized stress concentration and excellent traction in forward and lateral motions. Designed with 3D siping for better heat dissipation



STRONG CONSTRUCTION

An extra rubber layer reinforced under the tread region for higher cut resistance



BEAD CONSTRUCTION

Tough nylon construction, super strong bead construction and a piece of high denier fabric. The results? Excellent casing strength and reliability even during heavy-duty operations



COMPOUND

A new-age silica-based tread compound for excellent cut & abrasion resistance, cooler running and extended tyre life

Rock Champion E-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
21.00-33	15	42	200	B	TL	580	1993	939	5979	14150	6.5

SIZES

21.00-33



VEM 045 XD E-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
24.00-35	17.00/3.5	48	209	B	TL	645	2175	1023	6525	18500	6.5



TREAD DESIGN

Technology meets tread. A tread pattern developed by high-end computational simulations gives exceptional traction, flushing and contact pressure distribution



COMPOUND

A new-age silica-based tread compound for excellent cut & abrasion resistance, cooler running and extended tyre life



STRONG CONSTRUCTION

Tough nylon and a super strong bead construction come together, resulting in excellent casing strength and reliability during impact loads



SERVICE LIFE

Deep lug design for improved service life

SIZES

24.00-35



TREAD DESIGN

Extra deep smooth tread design for superior handling, prolonged life and resistance from external damage



STRONG CONSTRUCTION

Tough just got tougher. A tough nylon casing for improved load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

An extra strong triple bead, courtesy of a simulated bead construction. Gives exceptional anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and heat-dissipating compound for cooler running and a prolonged service life

SIZES

- 7.00-12
- 9.00-20

VEM SMOOTH L-2S / L-5S

L-2 S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
9.00-20	7	16	148	A5	TT	265	1042	494	3126	3170	7.3

L-5 S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
7.00-12	5	16	136	A5	TT	205	710	335	2130	2240	10



TREAD DESIGN

A robust pattern designed with advanced FEA simulation techniques for minimal stress generation and higher mileage



STRONG CONSTRUCTION

Tough just got tougher. A tough nylon casing for added load-carrying capabilities and excellent casing reliability



STEPPED LUG DESIGN

Stepped lug design and an additional rubber reinforcement at the bottom of the lug for added strength



COMPOUND

A specially formulated tread compound that resists cuts, chipping and overheating

Tipper King_{ML}

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
12.00-20	8.50/1.8	18	150	F	TT	312	1150	543	3450	3350	7.3
12.00-24	8.50/1.8	20	155	F	TT	325	1248	592	3744	3875	7.9

SIZES

- 12.00-20
- 12.00-24



TREAD DESIGN

Stepped lug design and a robust pattern made with advanced simulation techniques. Improves mileage and minimizes stress generation



STRONG CONSTRUCTION

An additional rubber reinforcement at the lug bottom, resulting in super strong lugs. An extra strong nylon casing for an extra load-carrying capacity and excellent casing reliability



COMPOUND

Specially formulated tread compound for improved resistance to cuts, chipping and overheating

Tipper Champ ML3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10.00-20	7.5	18	144	B	TT	284	1085	514	3255	2800	7.6
11.00-20	8	18	146	B	TT	300	1118	529	3354	3000	7.6

SIZES

- 10.00-20
- 11.00-20



MATERIAL HANDLING RANGE





TREAD DESIGN

A special tread lug design for maximum stability and handling



COMPOUND

A new-age silica-based tread compound for excellent cut & abrasion resistance, cooler running and extended tyre life



STRONG CONSTRUCTION

Tough just got tougher. A tough nylon casing for added load-carrying capabilities and excellent casing reliability



STABILITY

Big and broad lugs, resulting in a larger contact area, exceptional stability, higher tread life and improved steerability

Jet Lift IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
6.00-9	4.00E	10	118	A5	TT	165	545	249	1635	1320	8.5
6.50-10	5.00F/5.50F	10	122	A5	TT	190	595	280	1785	1500	7.8
7.00-12	5.00S	12	133	A5	TT	192	680	321	2040	2060	8.5
		16	136	A5	TT	192	680	321	2040	2240	10
7.00-15	6.0/5.5	12	144	A5	TT	206	775	368	2325	2830	9
8.15-15	7	14	142	A5	TT	215	720	335	2160	2595	9.7
28X9-15	7	14	142	A5	TT	215	720	335	2160	2595	9.7
8.25-15	6.5	14	149	A5	TT	245	845	388	2535	3250	8

SIZES

6.00-9	6.50-10	7.00-12
7.00-15 [#]	8.15-15 [*]	28X9-15
8.25-15		

^{*}The product sizes are made in India and Mexico.

[#]The Product sizes are made in Mexico.



TREAD DESIGN

Sturdy block tread pattern and wider footprint for enhanced stability and exceptional grip



SERVICE LIFE

Robust wide wall and rim guard design for superior protection from wheel damage in the rim flange area



STRONG CONSTRUCTION

Reinforced with a strong nylon casing for an improved load-carrying capacity and added resistance to punctures



COMPOUND

New-age silica-based tread compound for added resistance to wear and tear

Jet Lifter IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10.00-20	7.5	16	164	A5	TT	284	1074	509	3222	5000	9
	7.5	16	164	A5	TL	284	1074	509	3222	5000	9
12.00-20	8.5	20	176	A5	TT	320	1150	543	3450	7100	10

SIZES

- 10.00-20
- 12.00-20



Port Champion IND-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.00-24	10.0/1.5	28	196	A5	TL	385	1410	665	4230	12500	10.0
18.00-25	13.00/2.5	40	214	A5	TL	510	1685	790	5055	21250	10.0



TREAD DESIGN
Extra deep tread rubber for a prolonged life



STABILITY
Big and broad lugs with concentrated rubber in the center, resulting in a larger contact area, exceptional stability, higher tread life and improved steerability



STRONG CONSTRUCTION
Tough just got tougher. A tough nylon casing for an improved load-carrying capacity and excellent casing reliability



COMPOUND
Wear and heat generation resistant compound. Ensures cooler running and a prolonged service life

SIZES

- 14.00-24
- 18.00-25



VEM 99

IND-3 / IND-4



Reach Stacker



Rubber Tyre Gantry Crane



TREAD DESIGN

Big and broad lugs with concentrated rubber in the center, resulting in a larger contact area, exceptional stability, higher tread life and improved steerability



STRONG CONSTRUCTION

Tough just got tougher. A tough nylon casing for added load-carrying capabilities and excellent casing reliability



HEAVY BEAD CONSTRUCTION

An extra strong triple bead, courtesy of a simulated bead construction. Gives exceptional anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear and heat generation resistant compound. Ensures cooler running and a prolonged service life

VEM 99

IND-3 / IND-4

IND-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	40	214	A5	TL	500	1610	756	4830	21250	10
21.00-25	15.00/3.0	40	221	A5	TL	595	1770	828	5310	25750	10

IND-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	40	214	A5	TL	489	1658	778	4974	21250	10.0

SIZES

18.00-25

21.00-25



TREAD DESIGN

An extra deep and smooth tread for prolonged life and added resistance to external damage



STRONG CONSTRUCTION

Tough just got tougher. A tough nylon casing for added load-carrying capabilities and excellent casing reliability



HEAVY BEAD CONSTRUCTION

An extra strong triple bead, courtesy of a simulated bead construction. Gives exceptional anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear and heat generation resistant compound. Ensures cooler running and a prolonged service life

VEM Smooth L-4S / L-5S

L-4S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	40	214	A5	TL	500	1684	790	5052	21250	10

L-5S

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-25	13.00/2.5	40	214	A5	TL	525	1650	790	5052	21250	10

SIZES

18.00-25



TREAD DESIGN
Technology meets tread. A tread pattern developed by high-end computational simulations improves steerability and service life



COMPOUND
A new-age silica-based tread compound for excellent cut & abrasion resistance, cooler running and extended tyre life



STRONG CONSTRUCTION
Tough nylon construction, super strong bead construction and a piece of high denier fabric. The results? Excellent casing strength and reliability even during heavy-duty operations



LUG REINFORCEMENT
Connecting reinforcements in the bottom and shoulder regions of the lug for reduced heat generation and flexing

SIZES

- 16.00-25
- 18.00-33

VEM 045 IND-3 / IND-4

IND-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
16.00-25	11.25/2.0	32	203	A5	TL	450	1495	705	4485	15625	10

IND-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
18.00-33	13.00/2.5	40	220	A5	TL	518	1865	881	5595	25000	10



TREAD DESIGN

A wide, flat and extra deep tread pattern for exceptional performance, even under grueling conditions



SERVICE LIFE

A deep tread, unique wide wall, thick sidewall and sturdy casing for improved puncture resistance, enhanced sidewall stability and a longer life



STRONG CONSTRUCTION

A specially designed rim guard for greater protection in the rim flange area



COMPOUND

A new-age silica-based tread compound with "chip & tear resistance" that's built for the off-roads and rough concrete surfaces

Jet Trax HD IND-4

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
12.00-24	8.5	20	182	A5	TT	330	1285	609	3855	8625	10.0
		24	190	A8	TT	330	1285	609	3855	10475	10.0

SIZES

12.00-24



TREAD DESIGN

Big and broad lugs with a large contact area, resulting in exceptional stability, higher tread life and improved steerability



STRONG CONSTRUCTION

Tough just got tougher. A tough nylon casing for an improved load-carrying capacity and excellent casing reliability



HEAVY BEAD CONSTRUCTION

Extra strong dual beads, courtesy of a simulated bead construction for exceptional anchorage of the tyre on the rim and uniform pressure distribution



COMPOUND

Wear-resistant and heat-dissipating compound for cooler running and a prolonged service life

VEM AS IND-3

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
14.00-24	10.00/1.7	28	196	A5	TL	380	1370	648	4110	12500	10.0

SIZES

14.00-24



TREAD DESIGN

Big and broad lugs for added protection from chipping



STRONG CONSTRUCTION

A stepped lug design and an additional rubber reinforcement at the lug bottom, resulting in super strong lugs



COMPOUND

Specially formulated tread and sidewall compound for improved resistance to cuts in mining conditions



OPTIMIZED DESIGN

Optimized cavity profile and pattern for lower contact pressure and minimized heat generation

VEM ROCK_{ML}

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10.00-20	7.5	18	144	F	TT	280	1075	509	3225	2780	7.6
11.00-20	8.0	18	146	F	TT	305	1115	527	3345	3000	7.6
12.00-24	8.5	18	154	F	TT	326	1256	591	3768	3750	7.6
	8.5	20	155	F	TT	326	1256	591	3768	3875	7.9

SIZES

10.00-20	11.00-20	12.00-24
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Crane King

IND



Reach Stacker



Empty Container Handler



Mobile Harbour Crane



TREAD DESIGN
Aggressive 5-ribbed saw tooth pattern with SIPES for improved traction and gripping



STRONG CONSTRUCTION
Strong nylon casing for high casing reliability. Wide, flat treads for uniform tread wear



COMPOUND
A new-age silica-based compound for added resistance to tears, cuts and wear

Crane King^{IND}

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
10.00-20	7.5	16	153	B	TT	281	1066	505	3198	3700	7.3
11.00-20	8.5	16	155	B	TT	297	1085	514	3255	3870	7.8

SIZES

- 10.00-20
- 11.00-20



Crane King DX IND



Reach Stacker Empty Container Handler Mobile Harbour Crane



TREAD DESIGN
Deep saw toothed tread design with SIPES for excellent traction on wet roads



STRONG CONSTRUCTION
Wide shoulder groove with a sleek center rib for excellent maneuverability. Additionally, a unique buttress window design for better heat dissipation



COMPOUND
New-age silica-based compound for added resistance to tears, cuts and wear

Crane King DX IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
12.00-20	8.0 / 8.5	18	160	B	TT	311	1136	537	3408	4515	8

SIZES

12.00-20



Jetsteel JDO XD IND

SIZE	RIM	PLY RATING	LOAD INDEX	SPEED SYMBOL	TT/TL	SECTION WIDTH MM	OVERALL DAIMETER MM	STATIC LOADED RADIUS MM	ROLLING CIRCUM FERENCE MM	MAX. LOAD KG	PRESSURE BAR
12.00R24	8.50x24	18	158/155	F	TT	315	1253	588	3834	4250	8.3



TRACTION
Aggressive multi-lug design for excellent traction and even wear



TREAD DESIGN
Open shoulder design for superior self-cleaning. Additionally, a unique stepped groove design to prevent stone entrapment



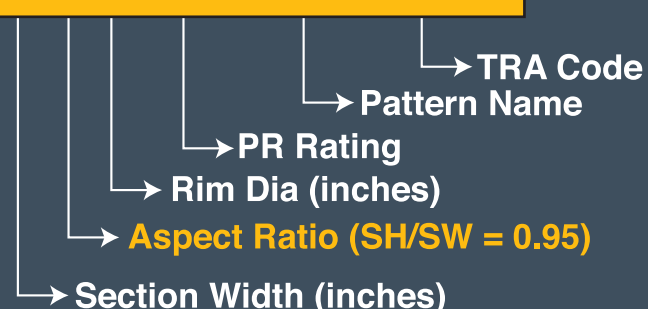
COMPOUND
A mining tread compound for lower tread chipping and improved resistance to cuts

SIZES

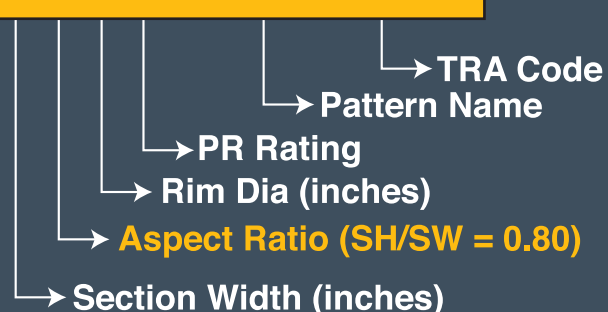
12.00R24

HOW TO READ OFF-HIGHWAY TYRE SIZES

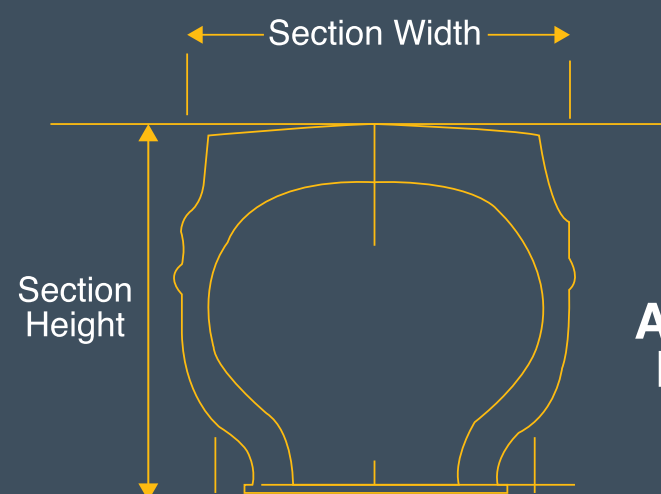
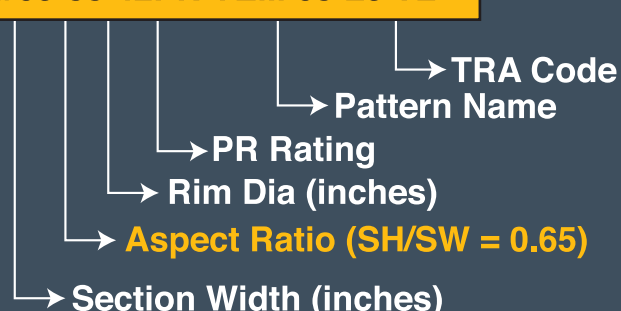
Regular: 24.00-35 48PR VEM 045 E4 TL



Wide Base: 23.5-25 20PR VEM 99 L3 TL



Ultra Wide Base: 35/65-33 42PR VEM 63 L5 TL



For Radials, "R" will be written as:
24.00R35/23.5R25/35/65R33

$$\text{Aspect Ratio} = \frac{\text{Section Height}}{\text{Section Width}}$$

KEY TERMS AND DEFINITIONS

OVERALL DIAMETER (OD)

Overall Diameter is twice the section height of a new tyre, plus the nominal rim diameter, including 24-hour inflation growth.

OVERALL WIDTH (OD)

Overall Width is the width of a new tyre, including 24-hour inflation growth, and including protective side ribs, bars or decorations.

SECTION WIDTH (SW)

Section Width is the width of a new tyre, including 24-hour Inflation growth and normal sidewalls, but not including protective side ribs, bars, or decorations.

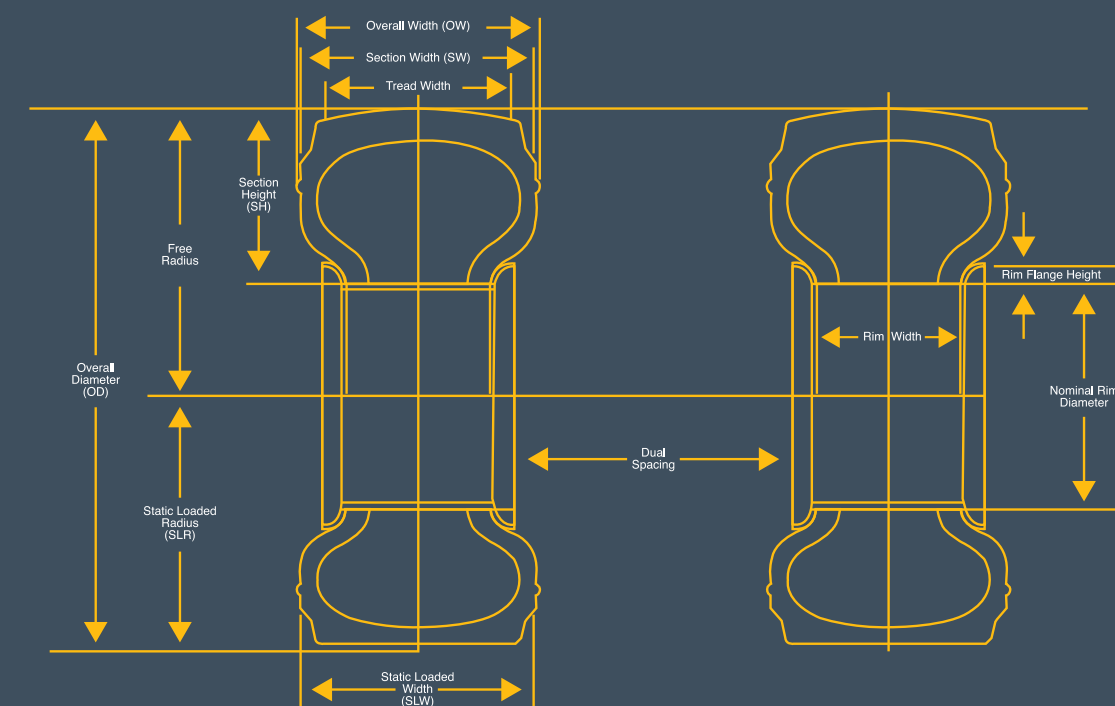
STATIC LOADED RADIUS AND WIDTH (SLR, SLW)

Static Loaded Radius is the shortest distance from the axle centre to the contact surface of a tyre and Static Loaded Width is the overall width of a tyre, mounted on the approved rim at the specified inflation pressure and placed still and vertically on a flat board, and loaded with the specified load.

ORIGINAL TREAD DEPTH (OTD)

Original Tread Depth is the tread depth of a new tyre measured at the point of the tread indicator (wherever available) or one-fourth the width of the tyre crown section from the crown centre, including 24-hour inflation growth.

DIMENSIONS AND DEFINITIONS



TKPH/TMPH

(TONNE KM PER HOUR/ O
TON MILE PER HOUR)



Earth-moving, mining and logging tyres have become increasingly important with the development of large construction vehicles. The primary task of these heavy-duty tyres is to haul heavy loads faster, over longer distances. This heavy hauling inevitably leads to a heat build-up in the tyres. As tyres have limited resistance to heat, deterioration of the tyre may occur at an early stage of operation if used beyond the rated TKPH/TMPH.

Accordingly it is necessary, when selecting tyres, to determine the amount of work which will keep the tyre within a safe range and avoid overheating during operation. The amount of work done under the given conditions and within a safe range is shown as 'TKPH/TMPH', which can be determined by the following formula:

FORMULA FOR CALCULATION OF OPERATING TKPH/TMPH

**Operating
TKPH/TMPH**

**Mean Tyre Load
(MTL)**

$$MTL = \frac{\text{Tyre Load (Empty)} + \text{Tyre Load (Loaded)}}{2}$$

**Average Work Shift
Speed (AWSS)**

$$AWSS = \frac{\text{Round Trip Distance} \times \text{Number of Cycles per Shift}}{\text{Total Hours of Operation per Shift}}$$

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