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#### **TYRE TECH GLOBAL**

#### "Offering the world, a wide range of technologically superior tyres."

Tyre Tech Global is one of the largest Indian player in tyre industry. It is a division of AIL (Apollo International Limited), which is an established name, identified with high performance standards in product quality, customer service and deliveries. AIL has established itself in the major overseas markets and is a brand to reckon with. Tyres sold by us are of very high quality and enjoy wide acceptability in the international markets like North America, South America, Middle East, Australia, South Asia and African countries. Tyre Tech has offices in Dubai, Canada, China, Ghana, Singapore, Uganda and India. We export to more than 80 countries worldwide and thus have a very diversified portfolio of customers with experience of selling in countries having differing application and performance requirements.

We also provide solutions like technology transfer and developing manufacturing capabilities in countries, where top end and advanced tyre manufacturing technology is unavailable.

In an effort to service all requirements of our customers, Tyre Tech Global supplies tyres from India, China, Thailand and Vietnam. This helps our customers gain presence in all segments and will drive our growth in future.

The current product range includes 2/3 Wheeler Tyres, Passenger Car Radial, Light Truck Bias, Light Truck & Bus Bias, Truck & Bus Radial.

We also provide OTR tyre management services at mine sites.

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#### ONE STOP SHOP FOR ALL YOUR TYRE NEEDS



# **Three Wheeler Tyres Range**



# Ra 501



#### **FEATURES**

- Reinforced strong bead for high load carrying capacity
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage.

Tyre Size	PR	Load			Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	,
4.00-8	8	80	F	3.00	119	429	7.8	450/72	-	TT

# Sa 503



#### **FEATURES**

- Special 3 Rib Tyre for bad roads and of/off road application
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	TT/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
4.00-8	8	80	F	3.00	116	428	7	450/72	-	TT

# La 609



#### **FEATURES**

- Lug Tyre with reinforced strong bead for carrying High loads
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	
4.00-8	8	80	F	3.00	117	430	7.6	450/72	-	TT















4.00-8 8 80 F 3.00 117 430 7.6 450/72 - TT

# **Three Wheeler Tyres Range**



## **ORNET Premium**



# Rp 501



#### **FEATURES**

- Reinforced strong bead for high load carrying capacity
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL	l
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12	l
4.00-8	8	76	E	3.00	110	417	8.5	400/60	-	TT	

# Sp 403



#### **FEATURES**

- Special 3 Rib Tyre for bad roads and of/off road application.
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inf	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12
4.00-8	8	76	E	3.00	110	416	8.5	400/60	-	TT

# Lp 609



- Lug Tyre with reinforced strong bead for carrying High loads.
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage.

Tyre Size	PR	Load			Section Width	Overall Diameter	Non Skid Depth	Load In	flation	TT/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12
4.00-8	8	76	Е	3.00	110	420	9	400/60	-	TT

Notes:











L 909 XL





# **Light Commercial Vehicle Tyres Range**



# R 500 Premium



#### **FEATURES**

- Unique zig zag grooves provides strong traction, better steering and handling.
- Optimum siping across the tread for excellent wet traction.
- Optimised tread compound for high mileage and excellent resistance to groove cracks and rib tearing.
- Strong casing for better impact resistance and retreadability.

			Speed Bee			tion	Ove			Skid	Load In	flation	
Tyre Size	PR	Load	Speed	Rec.	Wi	Width Diameter		Depth		Single Dual		TT/TL	
		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	·
5.00-12	12	91/90	K	4.00	156	6.14	585	23.03	10	12.60	620/80	600/80	П
6.50-14	10	104/103	L	4.50	176	6.93	714	28.11	11	13.86	910/75	865/75	π

# R 706



#### **FEATURES**

- Reinforced strong bead for high load carrying capacity
- Strong casing for high resistance to impact damages
- Special tread compound for High mileage.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
7.50-16	12	121/119	L	6.00	216	811	11.8	1430/90	1360/90	TT
7.50-16	16	124/120	K	6.0G	216	811	11.8	1580/110	1390/110	TT

# **R 707**

#### **FEATURES**

- Sinusoidal 5 rib tread pattern with tie bars for even wear and longer tyre life.
- The dense siping ensures excellent wet handling, greater grip and safety.
- Special Tread compound provides high mileage and better cut resistance.
- Optimised Casing construction for better reliability and retreadability.

- 0	PR Load Speed		Speed Rec.		Section Width		Overall Diameter		Non Skid Depth		Load Inflation		
Tyre Size	PR	Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	1/32	Single Kgs@psi	Dual Kgs@psi	Π/TL
6.00-14	8	98/96	М	4.5	170	6.7	675	26.6	9.6	12.0	750/60	710/60	TT
6,50-14	8	102/100	М	4.5	180	7.1	698	27.5	9.6	12.0	840/60	795/60	TT
0.50-14	10	104/103	L	4.5	180	7.1	698	27.5	9.6	12.0	840/60	795/60	TT
6.50-16	10	108/106	L	4.5	176	6.9	743	29.3	10.8	13.6	1010/75	960/75	TT
7.00-16	12	115/110	М	5.5	198	7.8	779	30.7	11.5	14.5	1230/90	1060/90	TT
7.00-16	14	118/113	L	5.5	198	7.8	779	30.7	11.5	14.5	1315/100	1160/100	TT
7.00-15	12	114/112	K	5.5	190	7.5	759	29.9	10.0	13.0	1040/75	915/75	П
7.50-16	14	122/121	K	6.00	221	8.7	815	32.0	11.8	14.9	1510/95	1440/95	TT
7.50-16	16	124/120	K	6.0G	221	8.7	815	32.0	11.8	14.9	1580/110	1390/110	TT

# **R 707 DLX**



#### **FEATURES**

- 5 Rib pattern with wider centre rib for excellent handling, cornering and good traction on wet roads
- Improved tread compound for cooler running and high mileage
- Reinforced double bead construction for high loads and to improve durability.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	TT/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
8.25-16	16	129/127	K	6.50	236	859	14.5	1845/110	1755/110	TT



# **Light Commercial Vehicle Tyres Range**



# **R 709 DLX**



#### **FEATURES**

- 5 Rib pattern with wider centre rib for excellent handling, cornering and good traction on wet roads
- Improved tread compound for cooler running and high mileage
- Reinforced double bead construction for high loads and to improve durability.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inf	flation	Π/TL
		Index	Rating	Rim	(mm)	( <b>mm</b> )	(mm)	Single kgs@psi	Dual kgs@psi	11/12
7.00-16	14	118/113	L	5.50	202	790	13.00	1320/100	1150/100	TT

# S 808



#### **FEATURES**

- Tread pattern designed for on & off the road operations, better traction and comfortable driving.
- Special Tread compound provides extra mileage and cooler running at higher speeds and loads.
- Reinforced Casing for heavy load operation and high retreadability.
- Strong Casing designed for extra strength, impact resistance and good retreadability.

				_		tion	Ove		Non		Load In	flation	
Tyre Size	PR	Load Index	Speed Rating	Rec. Rim		dth	Diam		Dep		Single	Dual	TT/TL
		III GOX	9		(mm)	(inch)	(mm)	(inch)	(mm)	1/32	Kgs@psi	Kgs@psi	
7.00-15	12	114/112	K	5.5	212	8.3	772	30.4	13.9	17.5	1180/85	1120/85	TT
7.50.14	14	122/121	K	6.0	218	8.6	826	32.5	15.9	20	1510/95	1440/95	TT
7.50-16	16	124/120	K	6.0	218	8.6	826	32.5	15.9	20	1580/110	1390/110	П

# L 909

#### **FEATURES**



- Transverse Sturdy Lug pattern designed for excellent traction and road grip.
- Special Tread compound for high mileage and better resistance to chunking and cuts.
- Strong Casing design for high load carrying capacity and out standing durability.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	TT/TL
		Index	Rating	Rim	(mm)	( <b>mm</b> )	(mm)	Single kgs@psi	Dual kgs@psi	11,12
7.50-16	14	122/121	К	6.00	221	836	17.0	1510/95	1440/95	TT
7.50-16	16	124/120	К	6.00	221	836	17.0	1580/110	1390/110	TT
8.25-16	16	129/127	K	6.50	227	855	18.0	1845/110	1755/110	TT

# L 909 XL



#### **FEATURES**

- Transverse Sturdy Lug pattern designed for excellent traction and road grip.
- Special Tread compound for high mileage and better resistance to chunking and cuts.
- Strong Casing design for high load carrying capacity and out standing durability.

Tyre Size	PR	Load			Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
7.00-15	12	114/112	К	5.50	200	774	16.3	1180/85	1120/85	TT
7.00-16	14	118/113	L	5.50	202	800	18.0	1320/100	1150/100	TT



# **Notes:**



# TRACT DLX



- Mud & Snow pattern.
- Special tread compound for cooler running and resistance to cuts and snags.
- Strong casing for durability & retreadability.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
7.50-16	14	122/121	G	6.00	216	830	14.0	1510/95	1440/95	TT
7.50-16	16	124/120	G	6.00	216	830	14.0	1580/110	1390/110	TT

MOLES.			











# **Heavy Commercial Vehicle Tyres Range**



**CM** 

R 705



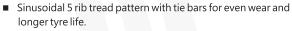
#### **FEATURES**

- Unique zig zag grooves provide strong traction, better Steering and handling.
- Optimum siping across the tread for excellent compound for excellent mileage and cooler running.
- Optimum siping for better stability on wet surfaces.

	Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inf	flation	TT/TL
			Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi Dual kgs@ps		11/12
ĺ	10.00-20	16	146/142	K	7.50	278	1057	13.3	3000/115	2650/105	TT

# **R 707**





- The dense siping ensures excellent wet handling, greater grip and safety.
- Special Tread compound provides high mileage and better cut resistance.
- Optimised Casing construction for better reliability and retreadability.

Tyre Size	PR	Load	Speed	Rec.		ction idth	Ove Diam		Non Der		Load I Single	nflation Dual	TT/TL
,		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	11/12
7.50-20	12	120/116	К	6.0	225	8.9	953	37.5	12.5	15.7	1800/105	1600/95	П
9.00-20	14	141/137	K	7.0	266	10.5	1047	41.2	16.6	20.9	2575/110	2300/100	TT
9.00-20	16	142/137	K	7.0	266	10.5	1047	41.2	16.6	20.9	2650/115	2325/105	TT
10.00-20	16	146/142	К	7.5	288	11.3	1087	42.8	17.0	21.4	3000/115	2650/105	TT
10.00-20	18	147/143	К	7.5	288	11.3	1087	42.8	17.0	21.4	3080/120	2700/120	TT
11.00-20	16	150/145	К	8.0	291	11.5	1085	42.7	18.0	22.6	3350/115	2900/105	TT
11.00-20	18	152/147	K	8.0	291	11.5	1085	42.7	18.0	22.6	3550/125	3075/115	П

**R707** 

#### **FEATURES**

- Unique zig zag grooves provide strong traction, better Steering and handling.
- Optimum siping across the tread for excellent compound for excellent mileage and cooler running.
- Optimum siping for better stability on wet surfaces.

Tyre Size	PR	Load	Speed	Rec.	Section Width		Ove Diam		Non : Dep		Load Inflation Single Dual		Π/TL
		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	,
0.05.00	14	136/132	К	6.5	236	9.3	979	38.5	13.1	16.5	2240/115	2000/105	TT
8.25-20	16	137/132	К	6.5	236	9.3	979	38.5	13.1	16.5	2300/120	2000/110	TT
12.00-20	18	154/150	K	8.5	308	12.1	1137	44.8	17.0	21.4	3750/115	3350/105	TT

**R 707** 

## CP



- Unique zig zag grooves provide strong traction, better Steering and handling.
- Optimum siping across the tread for excellent compound for excellent mileage and cooler running.
- Optimum siping for better stability on wet surfaces.

	Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inflation Single kgs@psi Dual kgs@psi		TT/TL
			Index	Rating	Rim	(mm)	(mm)	(mm)			,
ĺ	11.00-22	16	152/147	К	8.00	291	1138	14.5	3550/115	3075/105	TT



# **Heavy Commercial Vehicle Tyres Range**



ST

**R708** 

#### **FEATURES**

- 5 rib zig-zag pattern for high speed with excellent side skidding resistance and precise steering.
- Multisipes provides driving stability on wet and dry road
- Special Tread compound ensures long life and high resistance to rib tearing.
- Strong Casing to withstand shocks and cuts.
- Optimised Casing construction for better reliability and retreadability.

Tyre Size	PR	Load	Speed	Rec.		ction idth	Ove Diam		Non Dep		Load I Single	nflation Dual	Π/TL
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	11/16
0.00.00	14	141/137	К	7.0	261	10.3	1025	40.4	14.5	18.3	2575/110	2300/100	П
9.00-20	16	142/137	К	7.0	261	10.3	1025	40.4	14.5	18.3	2650/115	2325/105	П
10.00-20	16	146/142	К	7.5	278	10.9	1071	42.2	15.8	20.0	3000/115	2650/105	П
11.00-20	16	150/145	К	8.0	289	11.4	1081	42.6	16.3	20.5	3350/115	2900/105	П
12.00.20	16	154/150	K	9.0	289	11.4	1078	42.4	16.0	20.2	3750/115	3350/105	TL

S 808

#### **FEATURES**

- Reinforced ribs and shoulder lugs offer superior steering and handling on highways.
- Casing designed for impact resistance and good retreadability.
- Casing designed for extra strength.
- impact resistance and good retreadability.

Tyre Size	PR	Load	Speed	Rec.		tion dth	Ove Diam		Non Der		Load I Single	nflation Dual	TT/TL
		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	,
8.25-20	14	136/132	K	6.5	232	9.1	974	38.3	17.0	21.4	2240/115	2000/105	TT

S 808

#### **FEATURES**

- Extra tough and powerful lug pattern at shoulder provide excellent road grip and traction.
- Advanced Tread groove geometry coupled with special tread compound for additional resistance to cuts and cracks.
- Reinforced Casing for high retread factor.

Tyre Size	PR	Load	Speed	Rec.		tion dth	Ove Diam		Non Dep		Load I Single	nflation Dual	Π/TL
		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	,
9.00-20	16	142/137	K	7.0	263	10.4	1052	41.4	21.2	26.7	2650/115	2325/105	TT
10.00-20	16	146/142	К	7.5	284	11.2	1081	42.6	20.2	25.4	3000/115	2650/105	TT
10.00-20	18	147/143	K	7.5	284	11.2	1081	42.6	20.2	25.4	3080/120	2700/110	TT
10.00.04	18	158/154	K	8.5	317	12.5	1236	48.7	20.5	25.8	4250/115	3750/105	TT
12.00-24	20	160/155	K	8.5	317	12.5	1236	48.7	20.5	25.8	4500/125	3800/115	П

L 909

12.00-20 | 18 | 154/150

#### **FEATURES**

- Bold Lug pattern for excellent traction, road grip and braking
- Special Tread compound for high mileage, heat resistance performance and improved cut/chip resistance.
- Tough Casing construction for better fatigue resistance and outstanding durability.

44.9 21.0 26.3 3750/115 3350/105 TT

		Load	Speed	Rec.		ction idth		erall neter		Skid opth	Load,	/Inflation	
Tyre Size	Pr	Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Single Kgs@psi	Dual Kgs@psi	Π/TL
7.50-20	12	134/130	К	6.0	221	8.7	956	37.6	17.0	21.3	1800/105	1600/95	TT
8.25-20	14	136/132	K	6.5	237	9.3	988	38.9	19.3	24.1	2240/115	2000/105	TT
0.20 20	16	137/132	K	6.5	237	9.3	988	38.9	19.3	24.1	2300/120	2000/110	П
	14	141/137	K	7.0	262	10.3	1039	40.9	21.6	27.0	2575/110	2300/100	П
9.00-20	16	142/137	K	7.0	262	10.3	1039	40.9	21.6	27.0	2650/115	2325/105	П
	18	144/137	K	7.0	262	10.3	1039	40.9	21.6	27.0	2650/120	2350/110	П
10.00-20	16	146/142	K	7.5	277	10.9	1066	42.0	21.0	26.3	3000/115	2650/105	TT
10.00-20	18	147/143	K	7.5	277	10.9	1066	42.0	21.0	26.3	3080/120	2700/110	П
11.00-20	18	152/147	K	8.0	293	11.5	1093	43.0	21.0	26.3	3550/125	3075/115	TT

8.5 | 314 | 12.4 | 1141

■ Tread pattern and compound designed to ensure longer tyre life and uniform wear.

LM



# **Heavy Commercial Vehicle Tyres Range**



# POWER L988



#### **FEATURES**

- Powerful transverse lug pattern for excellent traction.
- Flat & wide tread with proven tread compound for long life, cooler running and cut resistance.
- Reinforced bead construction withstands heavy load and improves durability.
- Strong casing with better resistance to impacts, cuts & snags.

Tvre Size		Load	Speed	Rec.		ction idth		erall neter		Skid pth		/Inflation	
Tyre Size	Pr	Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Single Kgs@psi	Dual Kgs@psi	Π/TL
10.00-20	16	146/142	К	7.5	278	10.9	1078	42.4	22.0	27.5	3000/115	2650/105	П
10,00-20	18	147/143	K	7.5	278	10.9	1078	42.4	22.0	27.5	3080/120	2700/110	TT

# L 909 XL



#### **FEATURES**

- Transverse Sturdy Lug pattern designed for excellent traction and road grip.
- Special Tread compound for high mileage and better resistance to chunking and cuts.
- Strong Casing design for high load carrying capacity and out standing durability.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL	l
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12	
8.25-20	16	137/132	К	6.50	240	998	22.00	2300/120	2000/110	TT	

# L 909 DLX



#### **FEATURES**

- Powerful transverse lug pattern for excellent traction and road grip
- Specially designed lug grooves for better road grips in ON/OFF road operation.
- Flat & Wide tread with proven tread compound for long life, cooler running & cut resistance.
- Strong casing with better resistance to cuts, impact & snags.

Tyre Size	PR	Load	Speed	Rec.		tion dth	Ove Diam		Non : Dep		Load I Single	nflation Dual	TT/TL
		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	,
11.00.00	16	150/145	K	8.0	296	11.7	1107	43.6	22	27.5	3350/115	2900/105	П
11.00-20	18	152/147	К	8.0	296	11.7	1107	43.6	22	27.5	3550/125	3075/115	TT

# L 910



#### **FEATURES**

- Bold Lug pattern for excellent traction, road grip and braking ability.
- Special Tread compound for high mileage, heat resistance performance and improved cut/chip resistance.
- Tough Casing construction for better fatigue resistance and outstanding durability.

Tyre Size	Pr	Load	Speed	Rec.		ction idth	_	erall neter		Skid epth	Load, Single	Inflation Dual	Π/TL
,		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	11/12
12.00-20	18	154/150	K	8.5	314	12.4	1136	44.7	20.1	25.3	3750/115	3350/105	TT
12.00-24	18	158/154	K	8.5	317	12.5	1232	48.5	21.0	26.4	4250/115	3750/105	П

## L 911



#### **FEATURES**

- Optimised tread distribution with higher overall diameter for higher mileage.
- Wide flat tread width for better load distribution and uniform wear.
- Multiangled tread groove for better air ventilation to ensure cooler running.
- Strong casing for better impact resistance, higher reliability and trouble free service.

	Tyre Size	Pr	Load	Speed	Rec.	Wi	ction idth		erall neter		Skid epth	Load, Single	/Inflation	Π/TL
	·		Index	Rating	Rim	(mm)	(inch)	(mm)	(inch)	(mm)	(1/32)	Kgs@psi	Kgs@psi	11/12
ĺ	11.00-22	16	152/147	К	8.0	292	11.5	1152	45.4	20.5	25.8	3550/115	3075/105	П

## B 101



#### **FEATURES**

- Multiple Blocks Lug pattern for excellent traction on surface and tracks
- Wider tread width for wider foot print to reduce Ground contact pressure
- Highly weather resistant tread and side wall compound to withstand extreme climatic conditions from hot Desert to cold mountains.

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	TT/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12
14.00-20	18	161/156	F	10.00	387	1257	19.00	4625/95	4000/85	TT



## **Truck and Bus Radials**



# SECURA HAW1



#### **FEATURES**

- Unique 5 Rib pattern with sipes for good traction and stability
- Stone ejector for high resistance to cuts and rib tearing
- Improved tread compound for high mileage and good fuel efficiency

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load In	flation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12
295/80R22.5	16	152/148	М	9.00	304	1053	16.0	3650/120	3150/120	TL
315/80R22.5	18	154/150	М	9.50	316	1076	15.5	3750/120	3350/120	TL





# **SECURA MAW1**



#### **FEATURES**

- Premium high performance all position tyre for Truck / Bus / Trailer
- Superior wear life & Improved heat resistance
- Superior casing durability

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inf	lation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12
315/80R22.5	18	154/150	М	9.00	316	1076	15.5	3750/120	3350/120	TL

 $2^{2}$ 



# **Tractor Bias Tyres Range**



# **AF 101**

#### **FEATURES**

- Notched rib pattern for free rolling and good traction
- Superior tread compound for long tread life
- Strong casing for excellent resistance to punctures and provides more retreadibility

Tyre Size	PR	Load	Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inf	lation	Π/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11/12
6.00 16	8	94	A6	5.5	173	732	17	670/60	-	TT









**AF 101** 

# **AR 101**



#### **FEATURES**

- Double angle Hexagonal head lugs ensures equal Load distribution and provides resistance to alternate lug wear.
- Big rigid shoulder lugs provides good traction and resistance to spinning
- Improved casing and tread compound for more mileage and fuel efficiency

Tyre Size	PR	Load	Speed	Rec.	Section Width	Overall Diameter	Non Skid Depth	Load Inf	flation	TT/TL
		Index	Rating Rim	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
12.4 28	12	125	A6	11	315	1272	39.0	1650/36	-	TT
13.6 28	12	128	A6	12	354	1319	38.7	1800/34	-	TT
18.4 30	14	151	A6	16	483	1559	37.6	3450/38	-	TT



# Notes:



# **AR 102**

#### **FEATURES**

- Knife style lugs for better penetration and traction
- Big rigid shoulders suitable for both farming and haulage
- Improved tread compound and casing for longer tyre life and increased durability.

Tyre Size	PR	Load			Section Width	Overall Diameter	Non Skid Depth	Load Inflation		Π/TL	
	Inc		Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	,	
12.4 28	10	124	A6	11	323	1270	35.8	1600/35	-	TT	

# **AR 100 XL**



- Double angle Hexagonal head lugs ensures equal Load distribution and provides excellent traction
- Big rigid shoulder lugs provides good penetration and resistance to spinning
- Improved casing and tread compound for more mileage and fuel efficiency

Tyre Size	PR		Speed		Section Width	Overall Diameter	Non Skid Depth	Load Inf	ilation	TT/TL
		Index	Rating	Rim	(mm)	(mm)	(mm)	Single kgs@psi	Dual kgs@psi	11,12
14.9 28	12	134	A6	W13	389	1387	39.0	2120/33	-	TT
16.9 30	12	144	A6	W15L	430	1484	42.5	2800/33	-	TT
18.4 30	14	151	A6	W16L	485	1566	41.0	3450/38	-	TT

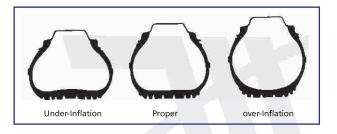
## **Inflation Pressure**



## TIRE MAINTENANCE

#### **INFLATION PRESSURE**

Proper inflation pressure is essential to get the best performance from tires. Optimum traction, flotation, and load endurance can only be obtained if the proper inflation pressure is maintained. Both over-inflation and under-inflation shorten tire life and can result in tire failures. Proper inflation pressure depends on the vehicle, ground conditions, load, speed, and other factors.



## **Results of Under-inflation**

- Excessive deflection develops, generating heat and leading to early tire failure.
- Tread and ply separation.
- Cord fatigue is accelerated, leading to broken cord
- Sidewalls become susceptible to rupture.
- Tread wear is uneven and radial cracks develop.
- Rim becomes displaced, creating air leaks in tubeless tires.
- Cracks at the inner liner.

### **Results of Over-inflation**

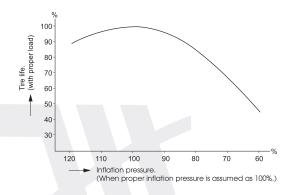
- Increased ground contact pressure at the center of the tread, causing excessive wear there.
- Reduced protection of the cord against shocks from uneven road surfaces, resulting in vulnerability to rupture from cuts or shock.
- Excessive pressure is exerted on the beads, increasing the potential for beads to burst.
- Riding comfort deteriorates and tendency to slip develops.

## **Inflation Pressure**



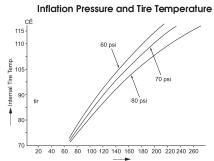
Inflation pressure and tire life have the following general relationship:

#### Inflation Pressure and Tire Life



## Caution:

- In the course of operation air pressure rises inside tires in correlation with heat build up. This is a normal occurrence. The rise in pressure differs among tires, and should be kept in mind especially for tires used in continuous operation. If heat generated in operation results in a rise of 25% or more in inflation pressure, the cold inflation pressure should be rechecked. If the cold inflation pressure shows to be correct, either traveling speed and/or load must be reduced. Otherwise, overheating may cause separation in the tire.
- Tires should not be bled to compensate for the increase in pressure resulting from operation. Reducing inflation pressure can cause the internal temperature to rise, leading to tire failure.
- A pressure gauge used for checking inflation pressure should be checked and calibrated if necessary, periodically.
- Valves should always be capped. This keeps mud and dust out of the valve core and protects the air seal.



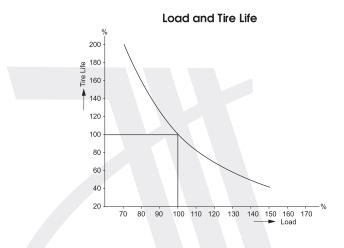


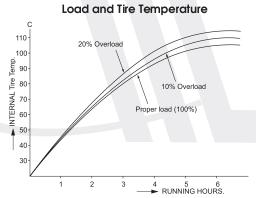
## **CONVERSION TABLE**



## LOAD

Overloading shortens tire life and increases the chance of early tire failure. For the best tire performance, the maximum recommended load should not be exceeded. If the load exceeds the specified capacity of the tire, a tire with a higher ply rating should be used.





# **Results of Overloading**

- Excessive heat generation causes separation.
- Excessive tire deflection causes broken cords.
- Rapid wear due to excessive tread movement against road surface.
- Bead failure due to excessive bead movement.
- Risk of bursting due to increased cord tension.

									_		
Units		Multiply			То			Multiply	То		
	Ву	:		Get	::	By:   Get:	t:				
Linear Measures							٦				
feet	Χ	0.3048		=	meters	)	<	3.281	=	feet	
inches	Χ	2.54		=	centimeters	)	<	0.3937	=	inches	
inches	Χ	25.4		=	milimeters	)	<	0.03937	=	inches	
miles	Χ	1.6093		=	kilometers	)	<	0.6214	=	miles	
miles	Χ	0.0254		= milimeters		)	<	39.37	=	miles	
yards	Χ	0.9144				<	1.0936	=	yards		
feet	Χ	12		=	inches	)	<	0.08333	=	feet	
yards	Χ	3		=	feet	)	<	0.333	=	yards	
mile	Х	1760		=	yards	)	<	0.000568	=	miles	
mile	Х	1.6092		=	kilometers	)	<	0.6214	=	miles	
Area Measures	;										
feet <sup>2</sup>	Χ	0.0929	=	m	eters <sup>2</sup>			10.764	=	feet <sup>2</sup>	
feet <sup>2</sup>	Χ	144	=	_	ches <sup>2</sup>		(		=		
inches <sup>2</sup>	X	6.452	=	_	entimeter <sup>2</sup>		-		=	inches <sup>2</sup>	
inches <sup>2</sup>	Χ	645.16	=	m	ilimeters <sup>2</sup>		<	0.00155	=	inches <sup>2</sup>	
yards <sup>2</sup>	X	0.8361	Ξ	m	eters <sup>2</sup>		_		=		
yards <sup>2</sup>	X	9	=	fe	et <sup>2</sup>		_		=	yards <sup>2</sup>	
yards <sup>2</sup>	Х	1296	=	in	ches <sup>2</sup>		<	0.00077	=	yards <sup>2</sup>	
hectare (ha)	Х	10000	=	m	eters <sup>2</sup>		(	0.0001	=	hectares	
hectare (ha)	Χ	2.4711	=	a	cres		<	0.4046	=	hectares	
mile <sup>2</sup>	Х	640	=	ac	res	)		0.00156	=	miles²	
Volume		-									
feet <sup>3</sup>	Χ	28.317	=	lite	ers		(	0.03531	=	feet <sup>3</sup>	
feet <sup>3</sup>	Χ	7.481	=	g	allons		<	0.1337	=	feet <sup>3</sup>	
feet <sup>3</sup>	Χ	29.92	=	_	uarts (liquid)		(	0.0334	=		
feet <sup>3</sup>	Х	0.02832	=	_	eter <sup>3</sup>		<	35.315	=	feet <sup>3</sup>	
feet <sup>3</sup>	Х	1728	=	in	ches <sup>3</sup>		<		=	feet <sup>3</sup>	
gallons	Χ	3.7854	=	lite	∋rs	)	<	0.2642	=	gallons	
gallons	Х	128	=	flu	iid ounces	_	_		=	gallons	
gallons	Χ	3785.4	=	C	entimeters <sup>3</sup>	_	_	0.00026	=	gallons	
gallons	Χ	231	=	_	ches³		_			gallons	
inches <sup>3</sup>	Χ	0.01639	=	lite	∋rs		_		=	inches <sup>3</sup>	
inches <sup>3</sup>	Χ	0.01732	=	qı	uarts ( liquid )	)	<		=	inches <sup>3</sup>	
inches³	Х	16.387	=	_	entimeters <sup>3</sup>	)	<	0.06102	=	inches <sup>3</sup>	
inches³	Х	16387	=	m	ilimeters³	_	_		=	inches <sup>3</sup>	
yards³	Х	764.5	=	_	∋rs	_	_	0.0013	=	yards³	
yards <sup>3</sup>	X	202	=	_	allons		-		=	yards <sup>3</sup>	
yards <sup>3</sup>	X	0.7646	=	_	eters <sup>3</sup>	-	(	1.308	=	yards <sup>3</sup>	
yards <sup>3</sup>	Х	27	=	_	et³		(	0.037	=	yards <sup>3</sup>	
hectoliter	X	100	=	_	ers		Ì	0.01	=	hectoliters	

## **CONVERSION TABLE**



## THE LOAD INDEX



The Load Index is a numerical code, associated with the maximum load a tyre can carry in the Singel or Dual application at the speed indicated by its speed symbol under the specified service conditions.

TABLE

Correlation between Load Index and tyre load-carrying capacity (TLCC)

Load Index (LI)	TLCC kG	Load Index (LI)	TLCC kg	Load Index (LI)	TLCC kg	Load Index (LI)	TLCC kg	Load Index (LI)	TLCC kg	Load Index (LI)	TLCC kg	Load Index (LI)	TLCC kg
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 33 33 34 35 36 37 38 38 38 39 39 39 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30	45 46.2 47.5 48.7 50 51.5 53 54.5 56 60 61.5 63 65 67 77.5 80 82.5 95 97.5 100 103 106 109 112 115 118 121 125 128 132	40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69 70 71 72 73 74 75 76 77 78 79	140 145 150 155 160 165 170 175 180 185 190 206 212 218 224 230 236 243 250 257 265 272 280 290 307 315 325 335 345 355 365 375 365 375 387 400 412 425 437	80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 110 111 112 113 114 115 116 117 118 119	450 462 475 487 500 515 530 545 560 670 615 630 670 670 770 775 800 825 850 875 900 825 950 975 1000 1030 1150 1150 1150 1125 1250 1285 1360	120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159	1400 1450 1550 1500 1550 1600 1700 1750 1800 1950 2000 2060 2120 2180 2240 2300 2360 2430 2575 2650 2725 2800 2900 3005 3150 3350 3450 3350 3350 3450 33550 33550 3450 34	160 161 162 163 164 165 166 167 170 171 172 173 174 175 176 177 178 180 181 182 183 184 185 186 187 189 190 191 192 193 194 195 197 198	4500 4625 4750 4875 5000 5150 5300 5450 5600 6600 6150 6300 6700 6700 6700 7750 8250 8500 8750 9000 9750 10000 11200 11200 11200 11800 11800 112500 12850 13200 13600	200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 226 227 228 229 231 232 233 234 235 236 237 238 236 237 238 238 239 231 231 232 233 234 235 236 237 238 238 239 239 231 231 232 233 234 235 236 237 238 239 239 230 231 231 232 233 234 235 236 237 238 238 239 239 230 231 231 232 233 234 235 236 237 238 238 239 230 231 231 232 233 234 235 236 237 237 238 238 239 230 231 231 232 232 233 234 235 236 237 238 239 239 230 231 231 232 232 233 234 235 236 237 237 238 238 239 239 239 239 230 231 231 232 232 233 234 235 236 237 237 238 239 239 239 239 239 239 239 239 239 239	14000 14500 15500 15500 17500 17500 18500 17500 18500 19500 20600 21200 21200 21200 22400 23600 22400 23600 25750 26500 27250 28500 27250 28500 29000 30750 31500 31500 33500 34500 34500 37500 40000 41250 42500 43750	240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 279 279 279 279 279 279 279 279 279	45000 46250 47500 48750 50000 51500 53000 54500 58000 60000 61500 67000 67000 67000 73000 77500 80000 82500 85000 87500 90000 92500 97500 100000 112000 112000 112000 115000 121000 125000 125000 128000 132000 136000

Units	Multiply			То		Multiply	То		
	Ву	:	Ge	t:	Ву	By:         Get:           X 15.43         = grains           X 436.7         = grains           X 0.0353         = ounces           X 2.2046         = pounds           X 0.0022         = pounds           X 0.0625         = pounds           X 0.4536         = kilogram for           X 3.597         = ounce ford           X 0.2248         = pounds ford           X 0.000948         = Btu           X 0.2388         = calories           X 0.7376         = foot poun           X 0.0003766         = watt hour           X 10.2051         = cm-kgf           X 8.851         = inch-pour		et:	
Mass									
gains	Χ	0.0648	=	grams	X	15.43	=	grains	
gains	Χ	0.00229	=	ounces	X	436.7	=	grains	
ounces	Χ	28.35	=	grams	X	0.0353	=	ounces	
pounds	Χ	0.4536	=	kilograms	Х	2.2046	=	pounds	
pounds	Χ	453.6	=	grams			=	pounds	
tonne(t)	Χ	1000	=	kilograms			=		
pounds	Χ	16	=	ounces			=	pounds	
Force									
kilogram force	Χ	2.2.46	=	pounds	Х	0.4536	=	kilogram force	
onuce force	Х	0.278	=	newtons			=	ounce force	
pounds force	Х	4.448	=	newtons	X	0.2248	=	pounds force	
Energy or Work								1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Btu	Χ	1055	=	joules	X	0.000948	=	Btu	
Btu	X	778	=	foot pound	1 1 1		=		
calories	Х	4.187	=	joules					
foot pound	X	1.3558	=	ioules			_	foot pound	
watt hours	Х	3600	=	joules			=	watt hours	
watt hours	Χ	2655	=	foot pound			=	watt hours	
cm-kgf	Χ	0.09799	=	joules	X	10.2051	=	cm-kgf	
inch-pound	Х	0.1129	=	joules			=	inch-pound	
Pressure									
atmospheres	Χ	101.3	=	kilopascals	X	0.00987	=	atmospheres	
atmospheres	Χ	760	=	mm Hg (0°c)	X	0.00132	=	atmosphere	
pound/sq.inch	Χ	6.895	=	kilopascals		0.145	=	pound/sq.incl	
torrs	Χ	1.0	=	mm Hg (0°c)	X	1.000	=	torrs	
kg/sq.cm	Χ	98.066	=	kilopascals		0.01019	=	kg/sq.cm	
bar	Х	100	=	kilopascals	X	0.01000	=	bar	
Power	, ,	,,,,,				0.0.000		112220	
horsepower	Χ	0.746	=	kilowatts	X	1.34	=	horsepower	
horsepower	X	33000		ft-lbf/min		0.00003		horsepower	
ft-lbf/min	X	0.0226	=	watts		44.25	=	ft-lbf/min	
Temperature		2.2220				5			
	/5 °	C + 32 for a	COD	verting degree C to	) F.				
				onverting degree F					

3a

# **SPEED SYMBOL**



**Notes:** 



Indicates the speed at which the tyre can carry a load corresponding to its ply rating or load index or load equal to the recommended maximum load as given in the Standards Manual.

## Correlation between speed symbol and speed category

Speed symbol	Speed category km/h	Speed symbol	Speed category km/h	Speed symbol	Speed category km/h
A1	5	D	65	Q	160
A2	10	E	70	R	170
A3	15	F	80	S	180
A4	20	G	90	T	190
A5	25	J	100	U	200
A6	30	K	110	Н	210
A7	35	L	120	V	240
A8	40	М	130	W	270
В	50	N	140	Υ	300
С	60	Р	150		

# **Notes:**