



Corporate office:

JK Tyre & Industries Ltd.
Patriot House, 3, Bahadur Shah Zafar Marg
New Delhi - 110002.

JK TYRE
Off The Road Tyres



TECHNICAL DATA BOOK

Who We Are —

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 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.

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

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.



LOAD INDEX

LI	kg	lbs	LI	kg	lbs	LI	kg	lbs	LI	kg	lbs	LI	kg	lbs	LI	kg	lbs	LI	kg	lbs
0	45	99	40	140	309	80	450	990	120	1400	3085	160	4500	9920	200	14000	30865	240	45000	99210
1	46.2	102	41	145	320	81	462	1020	121	1450	3195	161	4625	10195	201	14500	31970	241	46250	101965
2	47.5	105	42	150	331	82	475	1050	122	1500	3305	162	4750	10470	202	15000	33070	242	47500	104720
3	48.7	107	43	155	342	83	487	1075	123	1550	3415	163	4875	10750	203	15500	34170	243	48750	107475
4	50	110	44	160	353	84	500	1102	124	1600	3525	164	5000	11025	204	16000	35275	244	50000	110230
5	51.5	114	45	165	364	85	515	1135	125	1650	3640	165	5150	11355	205	16500	36375	245	51500	113540
6	53	117	46	170	375	86	530	1170	126	1700	3750	166	5300	11685	206	17000	37480	246	53000	116845
7	54.5	120	47	175	386	87	545	1200	127	1750	3860	167	5450	12015	207	17500	38580	247	54500	120150
8	56	123	48	180	397	88	560	1235	128	1800	3970	168	5600	12345	208	18000	39685	248	56000	123460
9	58	128	49	185	408	89	580	1280	129	1850	4080	169	5800	12785	209	18500	40785	249	58000	127870
10	60	132	50	190	419	90	600	1325	130	1900	4190	170	6000	13330	210	19000	41890	250	60000	132275
11	61.5	136	51	195	430	91	615	1355	131	1950	4300	171	6150	13560	211	19500	42990	251	61500	135585
12	63	139	52	200	441	92	630	1390	132	2000	4410	172	6300	13890	212	20000	44090	252	63000	138890
13	65	143	53	206	454	93	650	1435	133	2060	4540	173	6500	14330	213	20600	45415	253	65000	143300
14	67	148	54	212	467	94	670	1475	134	2120	4675	174	6700	14770	214	21200	46740	254	67000	147710
15	69	152	55	218	481	95	690	1520	135	2180	4805	175	6900	15210	215	21800	48060	255	69000	152120
16	71	157	56	224	494	96	710	1565	136	2240	4940	176	7100	15655	216	22400	49385	256	71000	156530
17	73	161	57	230	507	97	730	1610	137	2300	5070	177	7300	16095	217	23000	50705	257	73000	160935
18	75	165	58	236	520	98	750	1655	138	2360	5205	178	7500	16535	218	23600	52030	258	75000	165345
19	77.5	171	59	243	536	99	775	1710	139	2430	5355	179	7750	17085	219	24300	53570	259	77500	170860
20	80	176	60	250	551	100	800	1765	140	2500	5510	180	8000	17635	220	25000	55115	260	80000	176370
21	82.5	182	61	257	567	101	825	1821	141	2575	5675	181	8250	18190	221	25750	56770	261	82500	181880
22	85	187	62	265	584	102	850	1875	142	2650	5840	182	8500	18740	222	26500	58420	262	85000	187395
23	87.5	193	63	272	600	103	875	1930	143	2725	6010	183	8750	19290	223	27250	60075	263	87500	192905
24	90	198	64	280	617	104	900	1985	144	2800	6175	184	9000	19840	224	28000	61730	264	90000	198415
25	92.5	204	65	290	639	105	925	2040	145	2900	6395	185	9250	20395	225	29000	63935	265	92500	203925
26	95	209	66	300	661	106	950	2095	146	3000	6615	186	9500	20945	226	30000	66140	266	95000	209440
27	97.5	215	67	307	677	107	975	2150	147	3075	6780	187	9750	21495	227	30750	67790	267	97500	214950
28	100	220	68	315	694	108	1000	2205	148	3150	6945	188	10000	22045	228	31500	69445	268	100000	220460
29	103	227	69	325	717	109	1030	2270	149	3250	7165	189	10300	22710	229	32500	71650	269	103000	227075
30	106	234	70	335	740	110	1060	2335	150	3350	7385	190	10600	23370	230	33500	73855	270	106000	233690
31	109	240	71	345	760	111	1090	2405	151	3450	7605	191	10900	24030	231	34500	76060	271	109000	240305
32	112	247	72	355	785	112	1120	2470	152	3550	7825	192	11200	24690	232	35500	78265	272	112000	246915
33	115	254	73	365	805	113	1150	2535	153	3650	8045	193	11500	25355	233	36500	80470	273	115000	253530
34	118	260	74	375	825	114	1180	2600	154	3750	8265	194	11800	26015	234	37500	82675	274	118000	260145
35	121	267	75	387	855	115	1215	2680	155	3875	8545	195	12150	26785	235	38750	85430	275	121500	267860
36	125	276	76	400	880	116	1250	2755	156	4000	8820	196	12500	27560	236	40000	88185	276	125000	275580
37	128	282	77	412	910	117	1285	2835	157	4125	9095	197	12850	28330	237	41250	90940	277	128500	283295
38	132	291	78	425	935	118	1320	2910	158	4250	9370	198	13200	29100	238	42500	93695	278	132000	291010
39	136	300	79	437	965	119	1360	3000	159	4375	9645	199	13600	29985	239	43750	96450	279	136000	299830

LOAD RANGE DESIGNATIONS

LOAD RANGE	A	B	C	D	E	F	G	H	J	L	M	N
PLY RATING	2	4	6	8	10	12	14	16	18	20	22	24

SPEED INDEX

SPEED INDEX	SPEED (IN KMPH)
A1	5
A2	10
A3	15
A4	20
A5	25
A6	30
A7	35
A8	40
B	50
C	60
D	65
E	70
F	80
G	90
J	100
K	110
L	120
M	130
N	140
P	150
Q	160
R	170
S	180
T	190
U	200
H	210
V	240
W	270
Y	300

PRESSURE UNIT CONVERSION TABLE

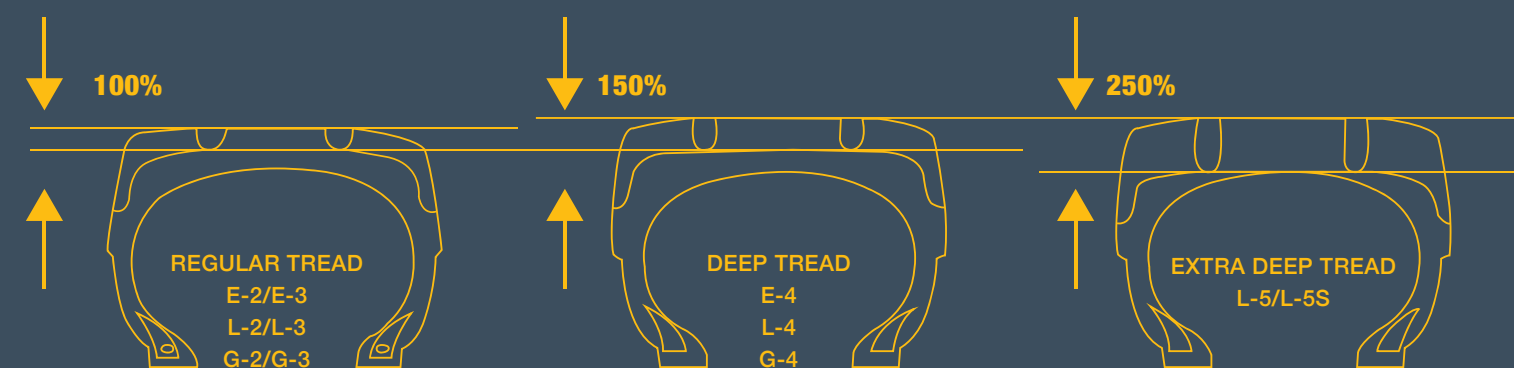
bar	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5
kPa	100	150	200	250	300	350	400	450	500	550
PSI	15	22	29	36	44	51	58	65	73	80
bar	6	6.5	7	7.5	8	8.5	9	9.5	10	
kPa	600	650	700	750	800	850	900	950	1000	
PSI	87	94	102	109	116	123	131	138	145	

TRA CODES

AGRICULTURE		
CODE	CODE	TYPE
 Tractor Front/ Steer	F-1	Agricultural Single Rib Tread
	F-2	Agricultural Multiple Rib Tread
	F-3	Industrial Multiple Rib Tread
 Implement	I-1	Rib Tread
	I-2	Moderate Tread
	I-3	Traction Tread
 Tractor Rear Traction	R-1	Drive Wheel, Regular tread
	R-1W	Drive Wheel, Wet Traction Tread
	R-2	Drive Wheel, Cane & Rice, Deep
	R-3	Drive Wheel, Shallow Tread
	R-4	Drive Wheel, Industrial Tractor Tread
 Drive Wheel (Small Tractor)	G1	Regular Traction Tread
	G1W	Wet Traction Tread
	G2	Turf Traction Tread

IND / CONSTRUCTION / OTR			
TRA Classification	TRA Code	% Tread Depth	Tread Type
 E=Earthmover	E-1	100	Rib Regular Tread
	E-2	100	Traction Regular tread
	E-3	100	Regular Tread
	E-4	150	Deep Tread
	E-7	80	Flotation Tread
 G=Grader	G-1	100	Rib Regular Tread
	G-2	100	Traction Regular Tread
	G-3	100	Regular Tread
	G-4	150	Deep Tread
 L=Loader & Dozer	L-2	100	Traction Regular Tread
	L-3	100	Regular Tread
	L-4	150	Deep Tread
	L-5	250	Extra Deep Tread
	L-3S	100	Smooth Regular Deep
	L-4S	150	Smooth Deep Tread
	L-5S	250	Smooth Extra Deep Tread
 C=Soil Compactor Service	C-1	100	Smooth
	C-2	100	Grooved

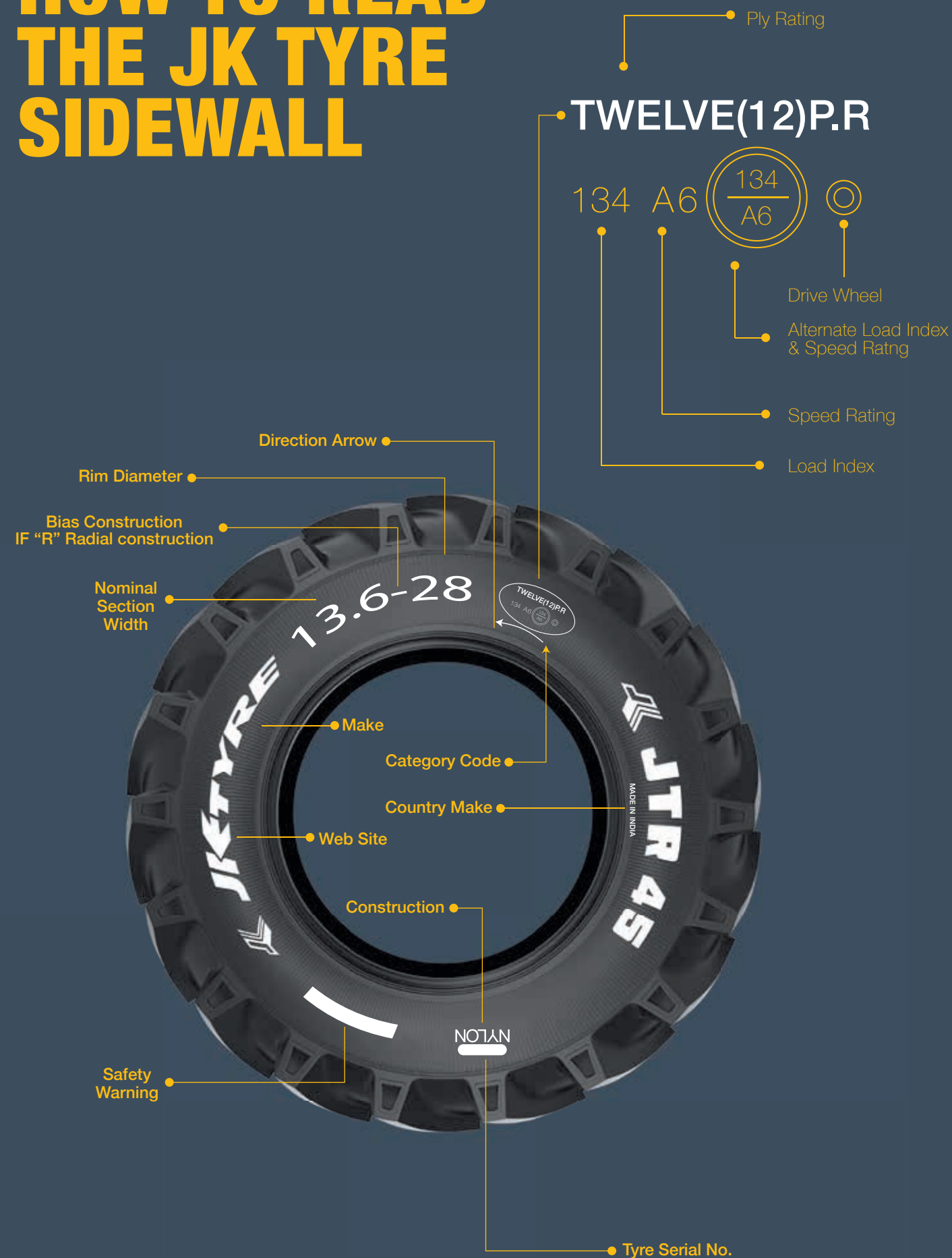
OTR DESIGN TREAD DEPTH



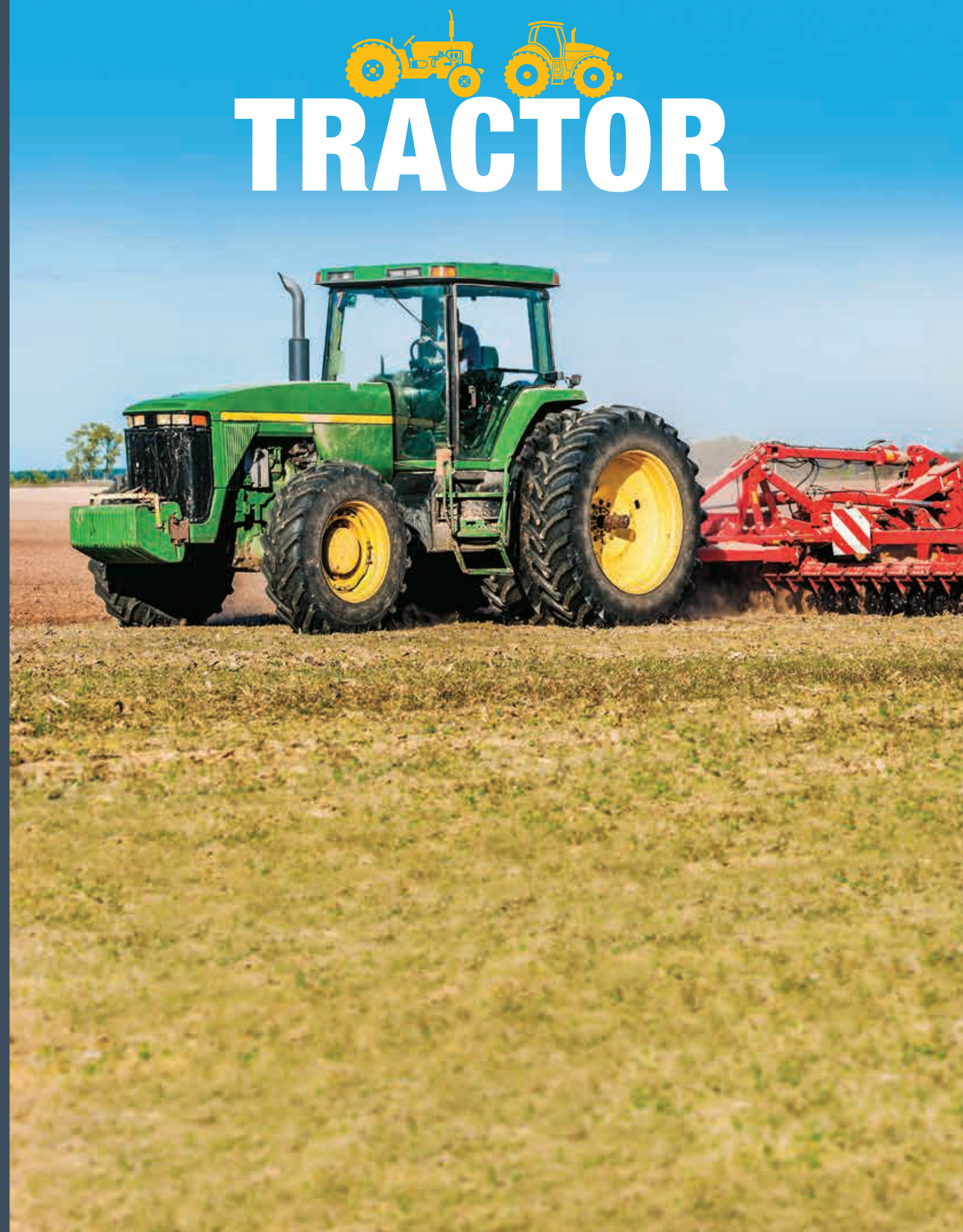
OTHER DESIGNATIONS & DEFINITIONS

NHS	Not for Highway Service
SL	Service Limited to agricultural use
FI	Implement tyre, towed highway service
ML	Mining and Logging intermittent highway service

HOW TO READ THE JK TYRE SIDEWALL



TRACTOR





TRACTION

A directional pattern that gives exceptional traction and good roadability at high speeds.



STABILITY

Wider draft angles and a fillet radius that ensures superior stability and a low wear rate.



TREAD DESIGN

An extensive center overlap with an optimized gap between the lugs improves roadability while enabling self-cleaning on muddy surfaces.



COMPOUND

Specially formulated compound and rugged nylon casing for resistance to cuts, chips, bruises, and abrasions. Additionally, has high load-carrying capacity and exceptional stability.

JTR 45 R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
180/95-14	5JA	6PR	80	A6	TL	183	690	321	2070	450	250
7.50-16	5.50F	8	99 (Drive Wheel) 112 (Free Rolling)	A8	TL	202	805	374	2415	775 (Drive Wheel)/ 1120 (Free Rolling)	280
7.50-16	5.50F	10PR	103 (Drive Wheel) 116 (Free Rolling)	A8	TL	202	805	374	2415.0	875 (Drive Wheel) / 1250 (Free Rolling)	400
9.5-22	W8	6PR	104	A6	TT	241	996	466	2988	900	220
9.5-22	W8	6PR	104	A6	TL	241	996	466	2988	900	220
9.5-24	W8	8PR	112	A6	TT	241	1049	493	3147	1120	275
9.5-24	W8	8PR	112	A6	TL	241	1049	493	3147	1120	275
11.2-24	W10	8PR	117	A6	TT	284	1105	517	3315	1285	250
11.2-24	W10	8PR	117	A6	TL	284	1105	517	3315	1285	250
11.2-24	W10	10PR	120	A6	TT	284	1105	517	3315	1400	300
11.2-28	W10	8PR	118	A6	TT	289	1204	566	3612	1320	240
11.2-28	W10	8PR	118	A6	TL	289	1204	566	3612	1320	240
12.4-24	W11	8PR	121	A6	TT	315	1161	541	3483	1450	220
12.4-24	W11	8PR	121	A6	TL	315	1161	541	3483	NA	280
12.4-24	W11	10PR	124	A6	TT	315	1161	541	3483	NA	280
12.4-24	W11	10PR	124	A6	TL	315	1161	541	3483	1450	220
13.6-24	W12	8PR	123	A6	TT	345	1209	561	3627	1550	190
13.6-24	W12	8PR	123	A6	TL	345	1209	561	3627	1550	190
12.4-28	W11	6PR	117	A6	TT	315	1260	590	3780	1285	165
12.4-28	W11	8PR	123	A6	TT	315	1260	590	3780	1550	230
12.4-28	W11	10	126	A6	TT	315	1260	590	3780	1700	280
12.4-28	W11	10	126	A6	TL	315	1260	590	3780	1700	280
12.4-28	W11	8PR	123	A6	TL	315	1260	590	3780	1550	230
13.6-28	W12	8PR	125	A6	TT	345	1311	612	3933	1650	190
13.6-28	W12	8PR	125	A6	TL	345	1311	612	3933	1650	190
13.6-28	W12	10PR	130	A6	TT	345	1311	612	3933	1900	250
13.6-28	W12	12PR	134	A6	TT	345	1311	612	3933	2120	290
13.6-28	W12	12PR	134	A6	TL	345	1311	612	3933	2120	290
14.9-24	W13	8PR	128	A6	TT	378	1265	585	3795	1800	180
14.9-24	W13	8PR	128	A6	TL	378	1265	585	3795	1800	180
14.9-24	W13	10PR	133	A6	TT	378	1265	585	3795	2060	230
14.9-24	W13	12PR	136	A6	TT	378	1265	585	3795	2240	260
14.9-28	W13	8PR	130	A6	TT	378	1365	635	4095	1900	180

SIZES

180/95-14	7.50-16	8-16
9.5-22	9.5-24	11.2-24
12.4-24	13.6-24	14.9-24
16.9-24	11.2-28	12.4-28
13.6-28	14.9-28	16.9-28
16.9-30	18.4-30	18.4-34
15.5-38	18.4-38	

JTR 45 R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
14.9-28	W13	8PR	130	A6	TL	378	1365	635	4095	1900	180
14.9-28	W13	12PR	137	A6	TT	378	1365	635	4095	2300	230
14.9-28	W13	12PR	137	A6	TL	378	1365	635	4095	2300	230
15.5-38	W14L	8PR	133	A6	TT	394	1570	741	4710	2060	180
15.5-38	W14L	8PR	133	A6	TL	394	1570	741	4710	2060	180
15.5-38	W14L	10PR	138	A6	TT	394	1570	741	4710	2360	230
15.5-38	W14L	10PR	138	A6	TL	394	1570	741	4710	2360	230
16.9-24	W15L	8PR	133	A6	TT	429	1336	615	4008	2060	165
16.9-24	W15L	8PR	133	A6	TL	429	1336	615	4008	2060	165
16.9-30	W15L	8PR	137	A6	TT	429	1486	691	4458	2300	165
16.9-30	W15L	8PR	137	A6	TL	429	1486	691	4458	2300	165
16.9-30	W15L	10PR	140	A6	TL	429	1486	691	4458	2500	190
16.9-30	W15L	12PR	144	A6	TT	429	1486	691	4458	2800	230
16.9-30	W15L	12PR	144	A6	TL	429	1486	691	4458	2800	230
16.9-28	W15L	6PR	129	A6	TT	429	1435	665	4305	1850	125
16.9-28	W15L	8PR	135	A6	TT	429	1435	665	4305	2180	165
16.9-28	W15L	8PR	135	A6	TL	429	1435	665	4305	2180	165
16.9-28	W15L	10PR	138	A6	TL	429	1435	665	4305	2360	190
16.9-28	W15L	10PR	138	A6	TT	429	1435	665	4305	2360	190
16.9-28	W15L	12PR	143	A6	TT	429	1435	665	4305	2725	240
18.4-30	W16L	8PR	139	A6	TT	467	1549	717	4647	2430	140
18.4-30	W16L	8PR	139	A6	TL	467	1549	717	4647	2430	140
18.4-30	W16L	10PR	144	A6	TT	467	1549	717	4647	2800	180
18.4-30	W16L	10PR	144	A6	TL	467	1549	717	4647	2800	180
18.4-30	W16L	12PR	149	A6	TT	467	1549	717	4647	3250	220
18.4-30	W16L	12PR	149	A6	TL	467	1549	717	4647	3250	220
18.4-34	DW16A	8PR	141	A6	TT	467	1651	768	4953	2575	140
18.4-34	DW16A	8PR	141	A6	TL	467	1651	768	4953	2575	140
18.4-34	DW16A	10PR	146	A6	TT	467	1651	768	4953	3000	180
18.4-34	DW16A	10PR	146	A6	TL	467	1651	768	4953	3000	180
18.4-38	W16A	8PR	143	A6	TT	467	1750	818	5250	2725	140
18.4-38	W16A	8PR	143	A6	TL	467	1750	818	5250	2725	140

JTR 45 R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
9.5-22	W8	8PR	110	A6	TT	241	996	466	2988.0	1060	270
9.5-22	W8	8PR	110	A6	TL	241	996	466	2988.0	1060	270
9.5-24	W8	6PR	106	A6	TT	241	1049	493	3147.0	950	210
9.5-24	W8	6PR	106	A6	TL	241	1049	493	3147.0	950	210
9.5-24	W8	10PR	116	A6	TT	241	1049	493	3147.0	1250	350
9.5-24	W8	10PR	116	A6	TL	241	1049	493	3147.0	1250	350
11.2-24	W10	6PR	110	A6	TT	284	1105	517	3315.0	1060	180
11.2-24	W10	6PR	110	A6	TL	284	1105	517	3315.0	1060	180
11.2-24	W10	10PR	120	A6	TL	284	1105	517	3315.0	1400	300
11.2-28	W10	10PR	122	A6	TT	289	1204	566	3612.0	1500	300
11.2-28	W10	10PR	122	A6	TL	289	1204	566	3612.0	1500	300
12.4-24	W11	6PR	115	A6	TT	315	1161	541	3483.0	1215	165
12.4-24	W11	6PR	115	A6	TL	315	1161	541	3483.0	1215	165
12.4-24	W11	10PR	124	A6	TT	315	1161	541	3483.0	1600	280
12.4-24	W11	10PR	124	A6	TL	315	1161	541	3483.0	1600	280
12.4-28	W11	6PR	117	A6	TL	315	1260	590	3780.0	1285	165
13.6-28	W12	10PR	130	A6	TL	345	1311	612	3933.0	1900	250
14.9-24	W13	10PR	133	A6	TL	378	1265	585	3795.0	2060	230
14.9-28	W13	10PR	134	A6	TT	378	1365	635	4095.0	2120	220
14.9-28	W13	10PR	134	A6	TL	378	1365	635	4095.0	2120	220
15.5-38	W14L	12PR	144	A6	TT	394	1570	741	4710.0	2800	260
15.5-38	W14L	12PR	144	A6	TL	394	1570	741	4710.0	2800	260
16.9-30	W15L	10PR	140	A6	TT	429	1486	691	4458.0	2500	190
18.4-34	DW16A	12PR	150	A6	TT	467	1651	768	4953.0	3350	220
18.4-34	DW16A	12PR	150	A6	TL	467	1651	768	4953.0	3350	220
18.4-38	W16A	10PR	149	A6	TT	467	1750	818	5250.0	3250	180
18.4-38	W16A	10PR	149	A6	TL	467	1750	818	5250.0	3250	180



TRACTION

A specially developed cross-lug tread patten for improved traction, increased output and less slippage.



STABILITY

Increased rubber mass in the center that supports tractive forces, increases stability and results in an effortless drive.



TREAD DESIGN

Open lug design for effective lug self-cleaning and improved traction.



SERVICE LIFE

Optimized land distribution for better wear properties and longer tyre life.

Trac Master R-1

R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
180/85D12	5JA	4PR	63	A6	TT	178	610	283	1830	272	160
6.00-16	4.50E	8PR	103	A6	TT	167	740	346	2220	875	450
13.6-38	W12	12PR	139	A6	TT	355	1565	739	4695	2430	290
13.6-38	W12	12PR	139	A6	TL	355	1565	739	4695	2430	290
23.1-26	DW20B	12PR	153	A6	TT	587	1605	734	4815	3650	165
23.1-26	DW20B	12PR	153	A6	TL	587	1605	734	4815	3650	165
23.1-26	DW20B	16PR	159	A6	TT	587	1605	734	4815	4375	230
23.1-26	DW20B	16PR	159	A6	TL	587	1605	734	4815	4375	230
23.1-30	DW20B	12PR	155	A6	TT	595	1710	786	5130	3875	165
23.1-30	DW20B	12PR	155	A6	TL	595	1710	786	5130	3875	165
16.9-34	W15L	12PR	146	A6	TT	435	1590	742	4770	3000	240
16.9-34	W15L	12PR	146	A6	TL	435	1590	742	4770	3000	240
18.4-34	DW16A	14PR	154	A6	TT	467	1650	768	4950	3750	260
16.9-38	W15L	12PR	147	A6	TL	435	1695	795	5085	3075	240
20.8-38	W18A	16PR	163	A6	TT	528	1835	854	5505	4875	280
20.8-38	W18A	16PR	163	A6	TL	528	1835	854	5505	4875	280

SIZES

5-12	6.00-12	180/85D12
6.00-16	8.3-24	23.1-26
23.1-30	16.9-34	18.4-34
13.6-38	16.9-38	20.8-38

Trac Master R-1

R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
13.6-38	W12	8PR	131	A6	TT	355	1565	739	4695.0	1950	200
13.6-38	W12	8PR	131	A6	TL	355	1565	739	4695.0	1950	200
13.6-38	W12	10PR	136	A6	TT	355	1565	739	4695.0	2240	250
13.6-38	W12	10PR	136	A6	TL	355	1565	739	4695.0	2240	250
23.1-26	DW20B	8PR	145	A6	TT	587	1605	734	4815.0	2900	110
23.1-26	DW20B	8PR	145	A6	TL	587	1605	734	4815.0	2900	110
23.1-26	DW20B	14PR	156	A6	TT	587	1605	734	4815.0	4000	190
23.1-26	DW20B	14PR	156	A6	TL	587	1605	734	4815.0	4000	190
23.1-30	DW20B	8PR	146	A6	TT	595	1710	786	5130.0	3000	110
23.1-30	DW20B	8PR	146	A6	TL	595	1710	786	5130.0	3000	110
16.9-34	W15L	8PR	138	A6	TL	435	1590	742	4770.0	2360	165
16.9-34	W15L	8PR	138	A6	TT	435	1590	742	4770.0	2360	165
16.9-34	W15L	10PR	142	A6	TT	435	1590	742	4770.0	2650	190
16.9-34	W15L	10PR	142	A6	TL	435	1590	742	4770.0	2650	190
20.8-38	W18A	8PR	148	A6	TT	528	1835	854	5505.0	3150	125
20.8-38	W18A	8PR	148	A6	TL	528	1835	854	5505.0	3150	125
20.8-38	W18A	12PR	156	A6	TT	528	1835	854	5505.0	4000	190
20.8-38	W18A	12PR	156	A6	TL	528	1835	854	5505.0	4000	190
20.8-38	W18A	14PR	158	A6	TT	528	1835	854	5505.0	4250	220
20.8-38	W18A	14PR	158	A6	TL	528	1835	854	5505.0	4250	220

Trac Master G-1/R1W

G-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
6.00-12	4 JA	6PR	77	A6	TL	160	635	294	1905.0	412	270
5-12	4	4PR	55	A6	TT	132	550	257	1650	218	240
6.00-12	4 JA	6PR	77	A6	TT	160	635	294	1905	412	270
6.00-12	4JA	8PR	84	A6	TT	160	635	294	1905	500	360
6.00-12	4JA	8PR	84	A6	TL	160	635	294	1905	500	360
6.00-12	4JA	4PR	69	A6	TT	160	635	294	1905	325	180

R1W

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
8.3-24	W7	6PR	101	A6	TT	211	1000	472	3000	825	240
8.3-24	W7	8PR	109	A6	TT	211	1000	472	3000	1030	310



STRONG CONSTRUCTION

Steel belted with extremely strong casing.



TREAD DESIGN

Wider footprint with broader lugs and best puncture protection.



SERVICE LIFE

Extremely strong outer shell, longer life, lesser wear and tear.

Agri Gold R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
320/85R28	W11	10PR	124	A6	TT	339	1262	591	3786	1600	160
320/85R28	W11	10PR	124	A6	TL	339	1262	591	3786	1600	160
340/85R28	W12	10PR	127	A6	TT	365	1300	607	3900	1750	160
340/85R28	W12	10PR	127	A6	TL	365	1300	607	3900	1750	160
380/85R28	W12	10PR	133	A6	TT	390	1360	633	4080	2060	160
380/85R28	W12	10PR	133	A6	TL	390	1360	633	4080	2060	160
420/85R28	W15L	10PR	139	A6	TT	440	1440	667	4320	2430	160
420/85R28	W15L	10PR	139	A6	TL	440	1440	667	4320	2430	160

SIZES

320/85R28

340/85R28

380/85R28

420/85R28



TREAD DESIGN

Specially designed lug geometry for excellent traction and better ploughing.



SELF-CLEANING

Unique mud shaker between lugs for mud-removal and self-cleaning ability.



STRONG CONSTRUCTION

Strong casing for heavy haulage applications.

SIZES

- 12.4-28
- 13.6-28

Haul Grip R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
12.4-28	W11	12PR	125	A6	TT	325	1275	597	3825	1650	250
13.6-28	W12	12PR	128	A6	TT	358	1323	617	3969	1800	230



Prithvi R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
12.4-28	W11	12PR	125	A6	TT	335	1300	607	3900	1650	250
13.6-28	W12	12PR	128	A6	TT	365	1337	623	4011	1800	230
16.9-28	W15L	12PR	143	A6	TT	440	1440	667	4320	2725	240



TREAD DESIGN
Specially designed lug geometry and deep tread depth that provides better traction.



STRONG CONSTRUCTION
Strong casing and lower cavity profile, provides better fitment and high loading capacity.



SELF-CLEANING
Unique mud shaker ensures excellent mud removal and cleaning of tread surface.

SIZES		
12.4-28	13.6-28	16.9-28
18.4-30		



TREAD DESIGN
Step-lug design and superior tread depth provides better hour-age life and traction.



STRONG CONSTRUCTION
Extra strong casing for high load capacity.



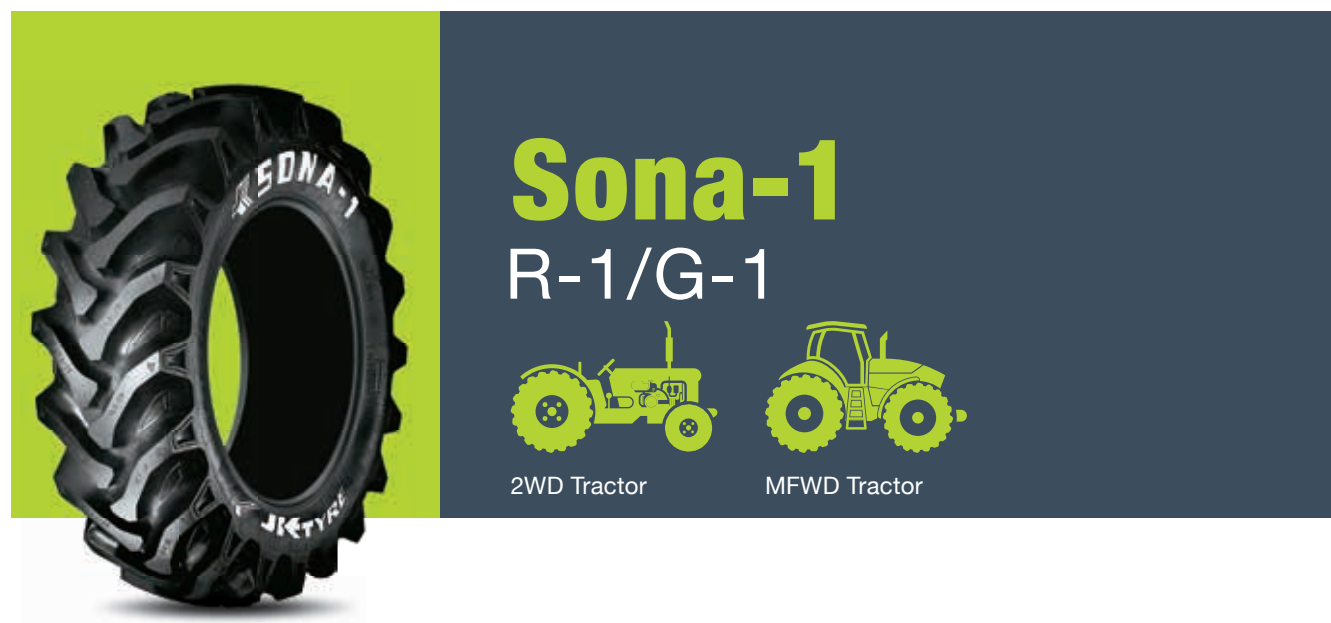
OPTIMISED DESIGN
Superior dimensions gives good performance and aesthetics. Optimised tyre contours does not let mud/slurry/soil to settle between lugs.

Shresth R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
12.4-28	W11	12PR	125	A6	TT	332	1300	607	3900	1650	250
13.6-28	W12	12PR	128	A6	TT	360	1350	629	4050	1800	230
13.6-28	W12	12PR	128	A6	TL	360	1350	629	4050	1800	230
14.9-28	W13	12PR	134	A6	TT	390	1390	646	4170	2120	230
15.9-28	W14	12PR	140	A6	TT	394	1410	654	4230.0	2500	250
16.9-28	W15L	12PR	143	A6	TT	444	1452	672	4356	2725	240

SIZES

12.4-28	13.6-28	14.9-28
15.9-28	16.9-28	



TREAD DESIGN

Optimum tread depth and broader lugs for good traction and increased tyre life.



STRONG CONSTRUCTION

Optimal overlap at the centre for better rubber contact, providing excellent stability and better wear properties along with fuel efficiency.



STABILITY

Central tie-bar for increased stability and reduced tread squirm.



OPTIMISED DESIGN

Optimised patterns developed using computational simulations enabling better pull and better ploughing even in hard soil.

SIZES

8-18	8.3-20	8.3-32
9.5-24	11.2-24	12.4-24
12.4-28	13.6-28	14.9-28
16.9-28	16.9-30	18.4-30

Sona-1 R-1/G-1

R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
8-18	W7	4PR	85	A6	TT	205	840	392	2520	515	160
8-18	W7	6PR	93	A6	TT	205	840	392	2520	650	240
9.5-24	W8	8PR	112	A6	TT	241	1050	493	3150	1120	280
11.2-24	W10	8PR	116	A6	TT	292	1120	523	3360	1250	240
12.4-24	W11	8PR	121	A6	TT	320	1180	549	3540	1450	230
12.4-28	W11	12PR	125	A6	TT	332	1290	603	3870	1650	250
13.6-28	W12	12PR	128	A6	TT	360	1330	620	3990	1800	230
13.6-28	W12	12PR	128	A6	TL	360	1330	620	3990	1800	230
14.9-28	W13	12PR	134	A6	TT	385	1380	642	4140	2120	230
16.9-28	W15L	12PR	143	A6	TT	440	1445	669	4335	2725	240
16.9-30	W15L	12PR	144	A6	TT	440	1490	692	4470	2800	240
18.4-30	W16L	14PR	151	A6	TT	490	1560	722	4680	3450	260
8.3-20	W7	6PR	96	A6	TT	211	890	417	2670	710	240
8.3-20	W7	8PR	106	A6	TT	211	890	417	2670	950	320
8.3-32	W7	8PR	112	A6	TT	213	1200	572	3600	1120	320
8.3-32	W7	8PR	112	A6	TL	213	1200	572	3600	1120	320
9.5-24	W8	12PR	122	A6	TT	241	1050	493	3150.0	1500	420
11.2-24	W10	8PR	116	A6	TL	292	1120	523	3360.0	1250	240
15.9-28	W14	12PR	140	A6	TT	404	1400	650	4200.0	2500	250
16.9-30	W15L	6PR	130	A6	TL	440	1490	692	4470.0	1900	125

G-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
8-18	W7	4PR	85	A6	TT	205	840	392	2520	515	160
8-18	W7	6PR	93	A6	TT	205	840	392	2520	650	240



SHRESTH PUDDLING MASTER R-1W

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
9.5-20	W8	8PR	107	A6	TT	245	955	445	2865.0	975	280
13.6-28	W12	12PR	134	A6	TT	350	1315	614	3945	2120	290
14.9-28	W13	12PR	138	A6	TT	388	1380	642	4140	2360	260
16.9-28	W15L	12PR	143	A6	TT	435	1440	667	4320	2725	240



TREAD DESIGN
Unique mud shaker - for improved self-cleaning ability.



STRONG CONSTRUCTION
Strong tie bar - for reduced lug shuffling.



OPTIMISED DESIGN
Optimized lug spacing and extra deep tread - for enhanced wet traction.

SIZES		
13.6-28	14.9-28	16.9-28
9.5-20		



Sona H/F R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
12.4-28	W11	12PR	125	A6	TT	326	1290	603	3870	1650	250
14.9-28	W13	12PR	134	A6	TT	385	1380	642	4140	2120	230



TREAD DESIGN
Specially designed lug geometry for high traction and uniform wear.



STRONG CONSTRUCTION
Twenty lugs with overlapping centre provides better stability, road grip, and fuel efficiency.



SERVICE LIFE
Deep tread depth for longer life of tyre.



OPTIMISED DESIGN
Computer aided design for reduced carcass stress that provides high load carrying capacity.

SIZES

- 12.4-28
- 14.9-28



TREAD DESIGN

Specially designed lug geometry for reduced soil damage and protection of the crops.



STRONG CONSTRUCTION

Seventeen lugs with overlapping centre provides better stability and fuel efficiency.



STRONG CASING

Extra strong casing for reduced down time and enhanced productivity.



HEAVY BEAD CONSTRUCTION

Wider bead to bead width for tubeless application for ease in filament.



OPTIMIZED DESIGN

Computer aided design for increased durability.

Sona R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
13.6-24	W12	6PR	115	A6	TL	355	1195	555	3585	1215	150

SIZES

13.6-24



TRACTION

Cross-lug design with centre overlap and optimum lug spacing provides better traction and excellent self cleaning ability.



STABILITY

Optimized land distribution for uniform tread wear & longer tyre life.



TREAD DESIGN

Carcass protector provides outstanding puncture and damage resistance under severe operating conditions.



COMPOUND

Specially formulated cut & chip resistant compound & sturdy nylon casing provides high load carrying capacity.

KAT 63 R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
18.4-26	DW16A	14PR	145	A8	TL	467	1450	668	4350.0	2900	270
18.4-26	DW16A	12PR	142	A8	TL	467	1450	668	4350.0	2650	220

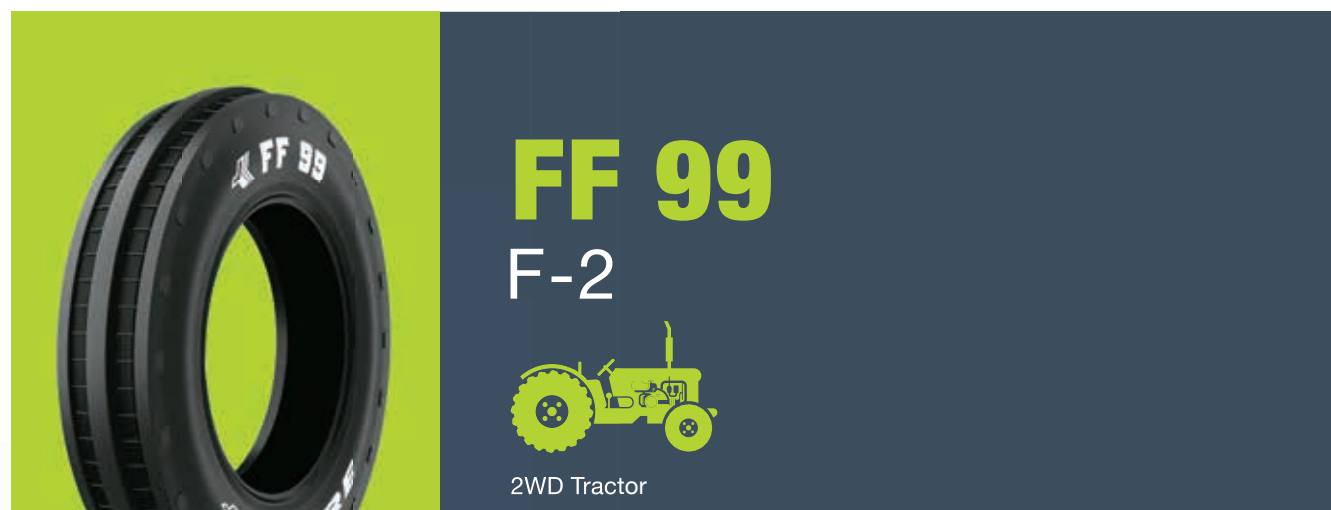
SIZES

18.4-26



TRACTOR (FRONT)





STABILITY

A special 3-rib design for improved steering and stability.



SELF-CLEANING

Unique ridges between ribs that support self-cleaning and resist stubble damage.



TREAD DESIGN

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



STRONG CONSTRUCTION

Strong nylon casing for improved load-carrying capacity and better retreadability.

FF 99 F-2

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
6.00-16	4.00E	6PR	89	A6	TT	165	745	348	2235	580	360
6.00-16	4.00E	6PR	89	A6	TL	165	745	348	2235	580	360
6.00-16	4.00E	8PR	94	A6	TT	165	745	348	2235	670	450
6.00-16	4.00E	8PR	94	A6	TL	165	745	348	2235	670	450
6.00-16	4.50E	10PR	99	A6	TL	165	745	348	2235	775	560
6.50-16	4.50E	6PR	88	A8	TT	175	760	354	2280	560	330
6.50-16	4.50E	6PR	88	A8	TL	175	760	354	2280	560	330
6.50-16	4.50E	8PR	93	A8	TT	175	760	354	2280.0	650	410
6.50-16	4.50E	8PR	93	A8	TL	175	760	354	2280.0	650	410
7.50-16	5.50F	6PR	94	A8	TT	205	810	376	2430	670	300
7.50-16	5.50F	6PR	94	A8	TL	205	810	376	2430	670	300
7.50-16	5.50F	8PR	99	A8	TT	205	810	376	2430	775	390
7.50-16	5.50F	8PR	99	A8	TL	205	810	376	2430	775	390
7.50-16	5.50F	10PR	103	A8	TL	205	810	376	2430	875	475
7.50-18	5.50F	8PR	102	A8	TT	205	860	401	2580	850	385
7.50-18	5.50F	8PR	102	A8	TL	205	860	401	2580.0	850	385
10.00-16	W8L	8PR	110	A8	TT	280	917	421	2751	1060	300
10.00-16	W8L	8PR	110	A8	TL	280	917	421	2751	1060	300
10.00-16	W8L	12PR	121	A8	TL	280	917	421	2751	1450	470
10.00-16	W8L	10PR	121	A8	TT	280	917	421	2751.0	1450	470
10.00-16	W8L	10PR	121	A8	TL	280	917	421	2751.0	1450	470
11.00-16	W10L	8PR	114	A8	TT	325	970	444	2910	1180	280
11.00-16	W10L	12PR	123	A8	TL	325	970	444	2910	1550	410

SIZES

6.00-16*	6.50-16	7.50-16
7.50-18	10.00-16*	11.00-16*

*Marked product sizes are made in India and Mexico.



TREAD DESIGN

Continuous 3-rib design for improved surface grip and steerability.



SERVICE LIFE

Prominent centre rib with superior compound for a longer tyre life.



STRONG CONSTRUCTION

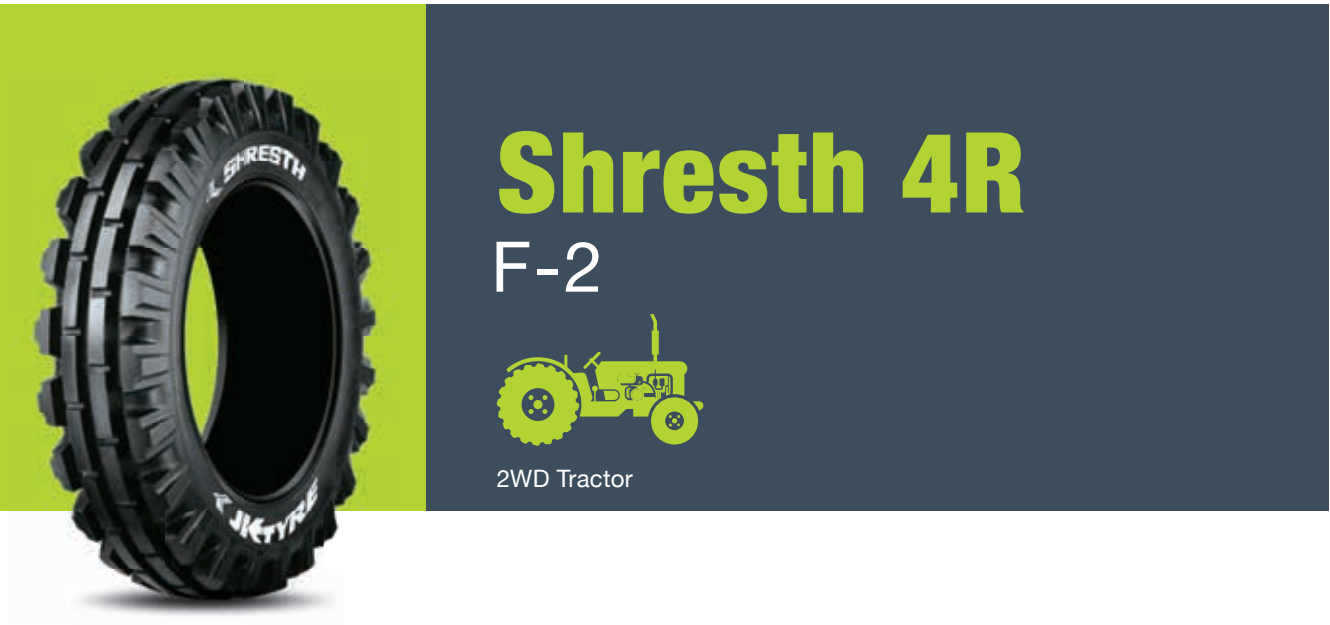
Strong nylon casing for high casing reliability.

SIZES

7.50-20

Sona-1 3R_{F-2}

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
7.50-20	5.5F	6PR	103	A6	TT	205	917	429	2751	875	280
7.50-20	5.5F	8	109	A6	TT	205	917	429	2751	1030	340



TREAD DESIGN

A computer-simulated 4-rib tread design for improved load-carrying capacity. Additionally, a wide tread pattern and a better ground-height ratio for excellent performance.



FUEL EFFICIENCY

Extra rubber for extra mileage and high fuel-efficiency.

SIZES

6.00-16	6.50-20	7.50-16
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Shresth 4R_{F-2}

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
6.00-16	4.00E	8PR	94	A6	TT	175	742	347	2226	670	450
7.50-16	5.50F	8PR	103	A6	TT	212	816	378	2448	875	370
6.50-20	5.5F	8PR	102	A6	TT	185	875	411	2625	850	450
6.50-20	5.5F	8PR	102	A6	TL	185	875	411	2625.0	850	450



TREAD DESIGN

3-rib tread design with a deep tread depth.



SERVICE LIFE

Enhanced tyre life in all soil conditions.



STRONG CONSTRUCTION

Strong casing for a high load-carrying capacity.

Sona F-2

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
5.00-15	4.00E	4PR	73	A8	TT	142	660	310	1980	365	280
5.25-14	4.00E	8PR	86	A6	TT	148	645	302	1935	530	590
6.00-16	4.50E	8PR	94	A6	TT	171	740	346	2220	670	450
6.50-20	5.00F	8PR	102	A6	TT	183	873	410	2619	850	450
7.50-16	5.50F	8PR	103	A6	TT	209	810	376	2430	875	370
4.50-10	3.5B	6PR	-	-	TT	125	505	234	1515	-	-
4.50-12	3.5B	6PR	-	-	TT	118	535	251	1605	-	-
5.00-15	4.00E	6PR	82	A8	TT	142	660	310	1980.0	475	370
5.00-15	4.00E	6PR	82	A8	TL	142	660	310	1980.0	475	370

SIZES

4.50-10	4.50-12	5.25-14
5.00-15	6.00-16	7.50-16
6.50-20		



Sona-1 Thresher F-2

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
6.00-16	4.50E	8PR	94	A6	TT	171	740	346	2220	670	450



TREAD DESIGN
Continuous 3-rib design for improved surface grip and steerability.



SERVICE LIFE
Prominent centre rib with superior compound for a longer tyre life.



STRONG CONSTRUCTION
Strong nylon casing for high casing reliability.

SIZES

6.00-16



TREAD DESIGN

Special 3-rib tread design and slotted shoulder rib for better traction.



SERVICE LIFE

Optimized land distribution for a longer life and better wear properties.



STRONG CONSTRUCTION

Strong nylon casing for a high load-carrying capacity and better retreadability.

Sona-1 F-2

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
6.00-16	4.50E	8PR	94	A6	TT	171	740	346	2220	670	450
6.50-16	4.50E	8PR	98	A6	TT	175	760	354	2280	750	420

SIZES

6.00-16

6.50-16



TRACTOR TRAILER





STRONG CONSTRUCTION
Strong nylon texture for unmatched loading capacity.



TREAD DESIGN
Specially designed treads with lateral and circumferential grooves.



HEAVY BEAD CONSTRUCTION
Strong bead for a superior grip.

SIZES

9.00-16

Sona-5/Sona I-1

Sona-5

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
9.00-16	6.50H	16PR	137	A6	TT	257	930	427	2790	2300	725
9.00-16	6.50H	18PR	138	A6	TT	257	930	427	2790	2360	760

Sona

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
9.00.16	6.00T	137	A6	TT	257	930	427	2790	2300	725	725
9.00.16	6.00T	138	A6	TT	257	930	427	2790	2360	760	760



PIVOT IRRIGATOR



TRACTION

Non-directional tread pattern ensures superior and equal traction while moving forward and in reverse in center pivot irrigation systems.



SOIL PROTECTION

Optimized rounded cavity contour designed for excellent flotation and minimal soil and crop disturbance.



SELF-CLEANING

Innovative lug design improves traction by removing mud and soil.



STRONG CONSTRUCTION

A specially formulated compound and rugged nylon casing for high performance in wet and muddy terrains that reduce mechanical failure and lowered moisture deterioration.

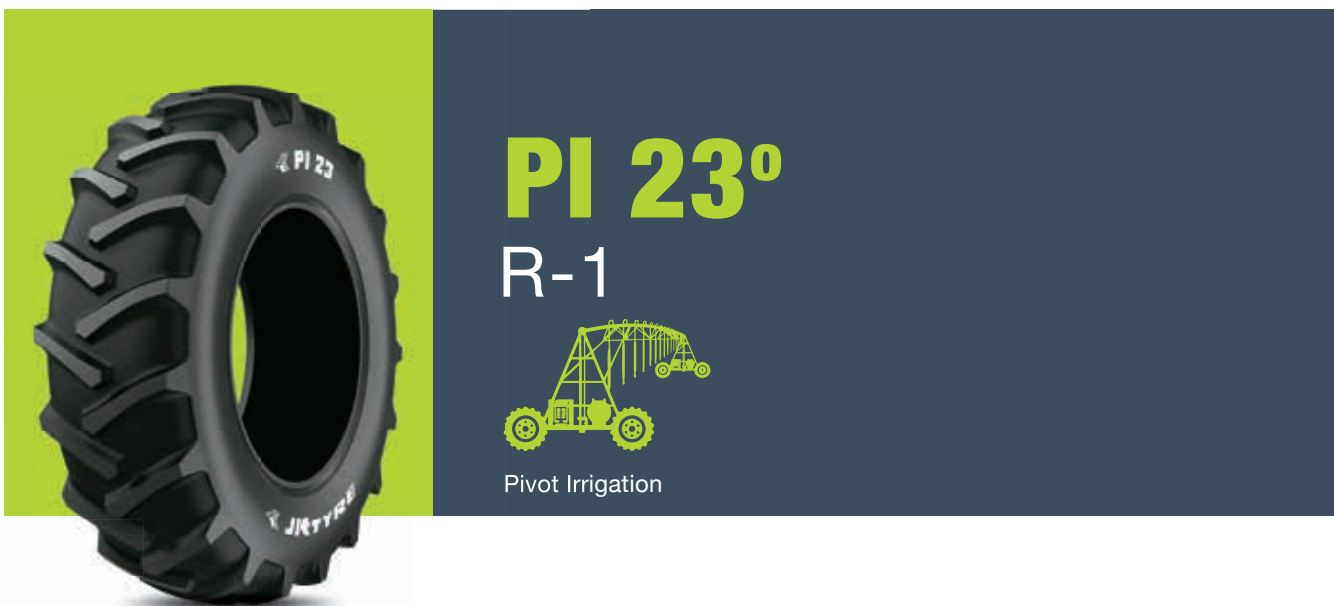
PI Zero⁰ R-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
11.2-24	W10	4PR	101	A6	TL	277	1095	512	3285	825	125
11.2-24	W10	6PR	110	A6	TL	277	1095	512	3285	1060	180
11.2-24	W10	6PR	110	A6	TT	277	1095	512	3285	1060	180
14.9-24	W13	6PR	123	A6	TL	370	1250	579	3750	1550	140
14.9-24	W13	6PR	123	A6	TT	370	1250	579	3750	1550	140
14.9-24	W13	8PR	128	A6	TL	370	1250	579	3750	1800	180
14.9-24	W13	8PR	128	A6	TT	370	1250	579	3750	1800	180

SIZES

11.2-24

14.9-24



TRACTION

Ideally spaced 23 degree lugs for superior traction while ensuring no entrapment of mud and soil between lugs.



SOIL PROTECTION

Optimized rounded cavity contour designed for excellent flotation and minimal soil and crop disturbance.



SELF-CLEANING

Open tread center for improved self-cleaning.



STRONG CONSTRUCTION

A specially formulated compound and rugged nylon casing for high performance in wet and muddy terrains, reduced mechanical failure and lowered moisture deterioration.

PI 23°_{R-1}

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
11.2-24	W10	4PR	101	A6	TL	277	1095	512	3285	825	125
11.2-24	W10	6PR	110	A6	TL	277	1095	512	3285	1060	180
11.2-24	W10	6PR	110	A6	TT	277	1095	512	3285	1060	180
14.9-24	W13	6PR	123	A6	TL	370	1250	579	3750	1550	140
14.9-24	W13	6PR	123	A6	TT	370	1250	579	3750	1550	140
14.9-24	W13	8PR	128	A6	TL	370	1250	579	3750	1800	180
14.9-24	W13	8PR	128	A6	TT	370	1250	579	3750	1800	180
11.2-38(270/95-38)	W10	6PR	117	A6	TL	277	1450	690	4350	1285	180

SIZES

11.2-24

14.9-24

11.2-38



Implements





STABILITY

Designed with the help of advanced simulation techniques that improve flotation, free-rolling and stability.



STRONG CONSTRUCTION

Strong nylon casing for high casing durability.



COMPOUND

Special tread rubber for superior tread properties and longer tyre life.

SIZES

7.60-15	7.50-16SL	9.5L-14
9.5L-15	11L-15	11L-14SL
11L-16	12.5L-15	21.5L-16.1SL

*Marked product sizes are made in India and Mexico.

FI 99 I-1

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
7.60-15	6LB	8PR	106	B	TL	203	736	342	2208	950	360
7.50-16SL	5.50F	8PR	110	B	TL	210	790	367	2370	1060	330
9.5L-14	8KB	8PR	111	B	TL	246	736	340	2208	1090	300
9.5L-15	8LB	8PR	112	B	TL	242	769	356	2307	1120	300
9.5L-15	8LB	12PR	121	B	TL	245	770	357	2310	1450	440
11L-14SL	8KB	8PR	112	B	TL	285	758	350	2274	1120	250
11L-15	8LB	8PR	113	B	TL	283	780	361	2340	1150	250
11L-15	8LB	10PR	118	B	TL	283	780	361	2340	1320	300
11L-15	8LB	12PR	121	B	TL	283	780	361	2340	1450	360
11L-16	8LB	8PR	115	B	TL	280	800	371	2400	1215	260
11L-16	8LB	10PR	119	B	TL	280	800	371	2400	1360	300
12.5L-15	10LB	10PR	123	B	TL	312	835	385	2505	1550	300
12.5L-15	10LB	12PR	127	B	TL	312	835	385	2505	1750	360
21.5L-16.1SL	W18CH	14PR	152	B	TL	550	1140	517	3420	3550 (Free Rolling)	250



STABILITY

Wide tread with a flat rib and broad lugs for high mileage and smooth wear.



STRONG CONSTRUCTION

Strong nylon casing for excellent load-carrying capabilities, both for trailer and tractor applications.



SERVICE LIFE

Special tread rubber for better wear properties and longer tyre life.

IMP 99 IMP

SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
11.5/80-15.3	9.00	12PR	122 (Drive Wheel) 135 (Free Rolling)	A8	TL	297	845	389	2535	1500 (Drive Wheel)/ 2180 (Free Rolling)	410
11.5/80-15.3	9.00	14PR	126 (Drive Wheel) 139 (Free Rolling)	A8	TL	297	845	389	2535	1700 (Drive Wheel)/ 2430 (Free Rolling)	475
10.0/75-15.3	9.00	14PR	118 (Drive Wheel) 130 (Free Rolling)	A8	TL	274	760	353	2280.0	1320 (Drive Wheel)/ 1900 (Free Rolling)	550
10.0/75-15.3	9.00	10PR	111 (Drive Wheel) 123 (Free Rolling)	A8	TL	274	760	353	2280.0	1090 (Drive Wheel)/ 1550 (Free Rolling)	390
10.0/75-15.3	9.00	12PR	114 (Drive Wheel) 126 (Free Rolling)	A8	TL	274	760	353	2280.0	1180 (Drive Wheel)/ 1700 (Free Rolling)	470
10.0/75-15.3	9.00	16PR	121 (Drive Wheel) 133 (Free Rolling)	A8	TL	274	760	353	2280.0	1450 (Drive Wheel)/ 2060 (Free Rolling)	630
10.0/75-15.3	9.00	18PR	124 (Drive Wheel) 136 (Free Rolling)	A8	TL	274	760	353	2280.0	1600 (Drive Wheel)/ 2240 (Free Rolling)	710
12.5/80-15.3	9.00	14PR	129 (Drive Wheel) 142 (Free Rolling)	A8	TL	312	885	407	2655.0	1850 (Drive Wheel)/ 2650 (Free Rolling)	430
12.5/80-15.3	9.00	12PR	128 (Drive Wheel) 140 (Free Rolling)	A8	TL	312	885	407	2655.0	1800 (Drive Wheel)/ 2500 (Free Rolling)	370
12.5/80-15.3	9.00	16PR	132 (Drive Wheel) 144 (Free Rolling)	A8	TL	312	885	407	2655.0	2000 (Drive Wheel)/ 2800 (Free Rolling)	490
13.0/65-18	11.00	16PR	131 (Drive Wheel) 144 (Free Rolling)	A8	TL	336	890	414	2670.0	1950 (Drive Wheel)/ 2800 (Free Rolling)	490
13.0/65-18	11.00	12PR	125 (Drive Wheel) 138 (Free Rolling)	A8	TL	336	890	414	2670.0	1650 (Drive Wheel)/ 2360 (Free Rolling)	360
13.0/65-18	11.00	14PR	128 (Drive Wheel) 141 (Free Rolling)	A8	TL	336	890	414	2670.0	1800 (Drive Wheel)/ 2575 (Free Rolling)	430
10.5/80-18	W9	14PR	125 (Drive Wheel) 138 (Free Rolling)	A8	TL	275	885	411	2655.0	1650 (Drive Wheel)/ 2360 (Free Rolling)	520
10.5/80-18	W9	12PR	123 (Drive Wheel) 135 (Free Rolling)	A8	TL	275	885	411	2655.0	1550 (Drive Wheel)/ 2180 (Free Rolling)	450
10.5/80-18	W9	16PR	129 (Drive Wheel) 141 (Free Rolling)	A8	TL	275	885	411	2655.0	1850 (Drive Wheel)/ 2575 (Free Rolling)	585
400/60-15.5	AG13"	14PR	132 (Drive Wheel) 145 (Free Rolling)	A8	TL	405	875	403	2625.0	NA	360
400/60-15.5	AG13"	12PR	130 (Drive Wheel) 142 (Free Rolling)	A8	TL	405	875	403	2625.0	NA	320
400/60-15.5	AG13"	16PR	136 (Drive Wheel) 148 (Free Rolling)	A8	TL	405	875	403	2625.0	NA	400

SIZES

10.0/75-15.3

10.5/80-18

12.5/80-15.3

13.0/65-18

11.5/80-15.3

400/60-15.5



TRACTION

Aggressive looking directional pattern designed for providing outstanding traction and longer life.



STABILITY

Optimized geometry & lug spacing provides better stability during manoeuvres & excellent self cleaning.



TREAD DESIGN

Specially formulated cut & chip resistant compound & sturdy nylon casing provides high load carrying capacity.



COMPOUND

Higher rubber mass at the center with broad lugs gives exceptional support while carrying heavy loads, both on pavement & soil under severe operating conditions.

KAT 45 IMPLEMENT

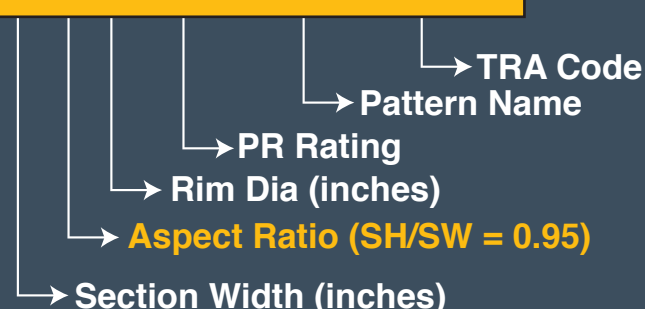
SIZE	RIM CODE	PR	LOAD INDEX	SPEED SYMBOL	TT/TL	SW (MM)	OD (MM)	SLR (MM)	ROLLING CIRCUMFERENCE (MM)	MAX. LOAD (KG)	INFLATION PRESSURE (KPA)
16.5/85-24	W13	12PR	151 (Drive Wheel) 163 (Free Rolling)	A8	TL	417	1320	608	3960.0	3450 (Drive Wheel)/4875 (Free Rolling)	280
16.5/85-24	W13	10PR	146 (Drive Wheel) 158 (Free Rolling)	A8	TL	417	1320	608	3960.0	3000 (Drive Wheel)/4250 (Free Rolling)	240
16.5/85-24	W13	14PR	153 (Drive Wheel) 165 (Free Rolling)	A8	TL	417	1320	608	3960.0	3650 (Drive Wheel)/5150 (Free Rolling)	330
16.5/85-24	W13	16PR	156 (Drive Wheel) 168 (Free Rolling)	A8	TL	417	1320	608	3960.0	4000 (Drive Wheel)/5600 (Free Rolling)	380

SIZES

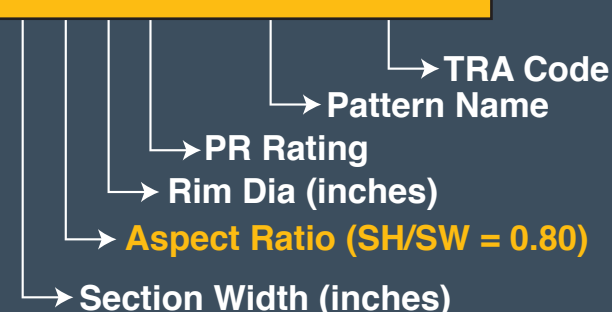
16.5/85-24

HOW TO READ OFF-HIGHWAY TYRE SIZES

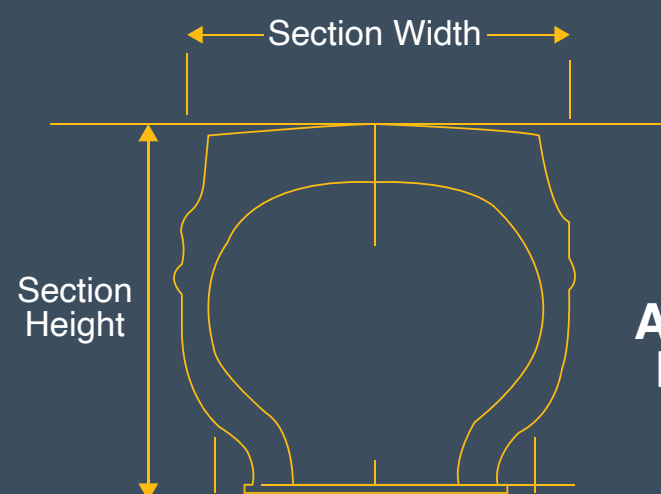
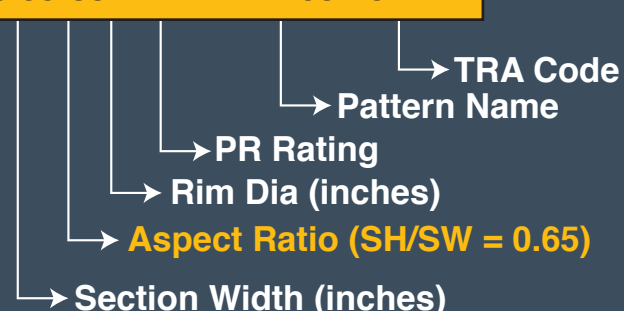
Regular: 24.00-35 48PR VEM 045 E4 TL



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 (OW)

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.

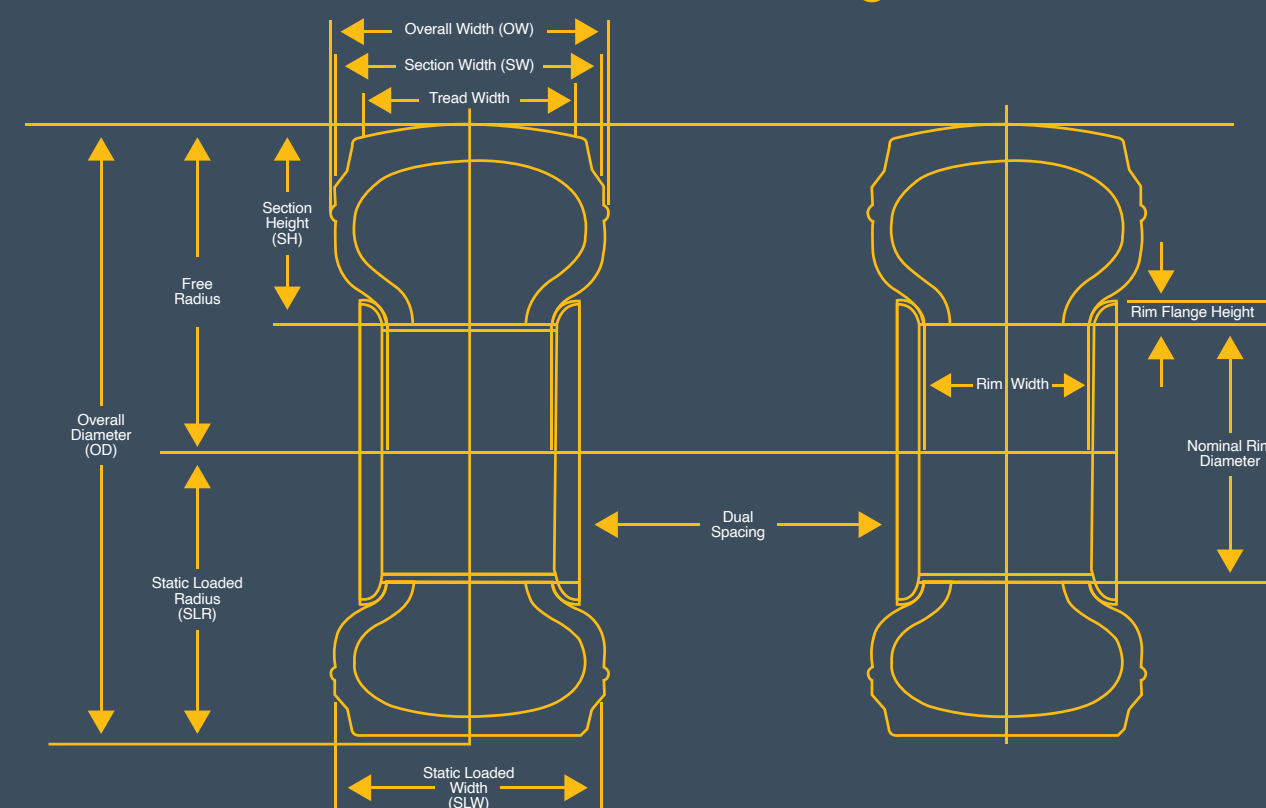
STATIC LOADED RADIUS AND WIDTH (SLR, SLW)

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

$$= \left(\frac{\text{Mean Tyre Load (MTL)}}{2} \right) \times \left(\text{Average Work Shift Speed (AWSS)} \right)$$

Mean Tyre Load (MTL)

Average Work Shift Speed (AWSS)

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

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

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