



SUPERHAWK®

SUPERHAWK®

OTR TYRE CATALOG 2014

EARTHMOVER SERVICE
GRADER SERVICE
LOADER AND DOZER SERVICE
COMPACTOR SERVICE

LOGGING SERVICE
HIGH-SPEED SERVICE
INDUSTRIAL SERVICE
MULTIPLE SERVICE

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ABOUT US

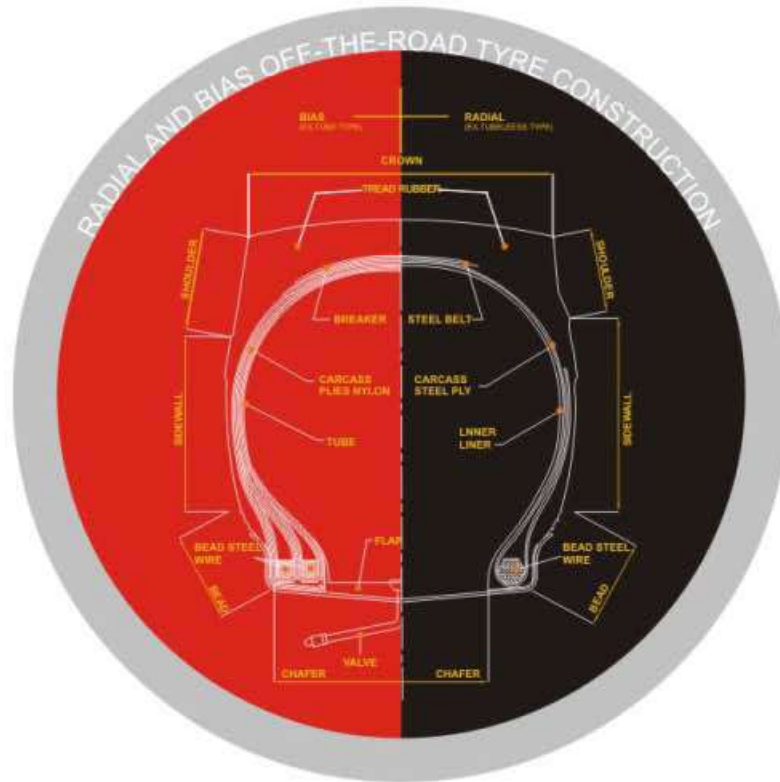
Shandong Hawk International Rubber Industry Co. Ltd is located in Laizhou City of Shandong Province. The factory covers over 125 acres and has more than 2000 employees. Both Qingdao and Yantai airports are within a 90 minute drive. A new motorway link ensures fast transport from factory to Qingdao port.

The factory is among the major tyre manufacturers in China with years history of international cooperation and shared technologies. Superhawk produces premium quality giant radial and bias mining tyre, radial and bias off the road tyre, radial truck tyre, radial and bias agricultural tyre and Industrial tyre. New workshop of giant radial mining tyre is being constructed and it will triple the current production capacity at the end of May 2013.

Superhawk products meet all the internationally required manufacturing standards like DOT, ECE and ISO 9001. Additionally, we produce tyres that meet the exact requirements of the worlds leading tyre manufacturers and distributors. Our experienced technical and management teams ensure that all tyres are continuously tested and developed to ensure a constant product performance. Through cooperation with world famous tyre manufacturers and traders our Superhawk brand enjoys a worldwide reputation for quality and performance in all the most demanding world markets together with a domestic market of more than 200 dealerships. Additionally Superhawk provides tyres for the Original Equipment markets including the world's most famous manufacturers of handling equipment from Truck & Bus to giant mining tyres.

Superhawk's commitment to quality and worldwide partnerships ensures evolving and continuously improvements. We aim to build up a quality tyre brand and establish longterm cooperation with all customers around the world.





Tread

As the outermost coverage of the tyre and also the tyre contact area with the road surface, tread is designed to protect the tyre body from cuts and wear. Due to the different applications, the tread compound may customize between the different heat resistance, cut resistance and other properties. Also, the different tread pattern design may affect the tyre performance greatly.

Breaker

The breaker is rubberized cord which locates between the tread and carcass, and binding the two together. The breaker can prevent the penetration from the tread to the carcass, absorb the shock to the tyre and re-enhance the adhesion between the tread and carcass.

Carcass

As the frame structure of the tyre, carcass is also from rubberized cord or steel wire. Carcass can support the tyre to be inflated with air, then, afford the load to the tyre, and it is also flexible enough to absorb the shocks.

Bead

With rubber-coated steel wire, beads fit the tyre to the rim firmly to support the safety load and avoid air leakage.

Inner Liner

The inner chamber wall of the tyres are with inner liner compound. It is more important for tubeless tyre, as tubeless tyre inner liner requires air-impermeable compound, this can keep the tubeless tyre to be free from tube and flap.

Sidewall

Composed with flexible and crack-resistant compound, sidewall can greatly protect the carcass from cut and further damage. But for tough chunking, rocky and chipping applications, reinforced sidewall tyre is preferred.

OFF-THE-ROAD TYRES EXPLANATION OF TYRE DESIGNATION

TYRE SIZE DESIGNATION

14.00
37.00
45

/

65

-

R

-

24

57

45

NHS

28PR

58PR

★ ★

RIM
DIAMETER
CODE

PLY
RATING

LOAD SYMBOL

CONSTRUCTION CODE;
"R"-RADIAL, "-"-DIAGONAL

NOMINAL ASPECT RATIO

NOMINAL SECTION WIDTH (inches)

SUFFIX DESIGNATION:

NHS - Not For Highway service.

K - Compactor tyre for use on 5" drop center or semi-drop center rims having bead seats with nominal minus .032" diameter.

TG - Tractor Grader tyres - Not For Highway service.

LOAD INDEX

The LOAD INDEX is an international number code associated with the maximum load a tyre can carry at the speed indicated by its Speed Symbol under service specified conditions

LI	kg	LI	kg	LI	kg	LI	kg	LI	kg	LI	kg
0	45	50	190	100	800	150	3350	200	14000	250	60000
1	46.2	51	195	101	825	151	3450	201	14500	251	61500
2	47.5	52	200	102	850	152	3550	202	15000	252	63000
3	48.7	53	206	103	875	153	3650	203	15500	253	65000
4	50	54	212	104	900	154	3750	204	16000	254	67000
5	51.5	55	218	105	925	155	3875	205	16500	255	69000
6	53	56	224	106	950	156	4000	206	17000	256	71000
7	54.5	57	230	107	975	157	4125	207	17500	257	73000
8	56	58	236	108	1000	158	4250	208	18000	258	75000
9	58	59	243	109	1030	159	4375	209	18500	259	77500
10	60	60	250	110	1060	160	4500	210	19000	260	80000
11	61.5	61	257	111	1090	161	4625	211	19500	261	82500
12	63	62	265	112	1120	162	4750	212	20000	262	85000
13	65	63	272	113	1150	163	4875	213	20600	263	87500
14	67	64	280	114	1180	164	5000	214	21200	264	90000
15	69	65	290	115	1215	165	5150	215	21800	265	92500
16	71	66	300	116	1250	166	5300	216	22400	266	95000
17	73	67	307	117	1285	167	5450	217	23000	267	97500
18	75	68	315	118	1320	168	5600	218	23600	268	100000
19	77.5	69	325	119	1360	169	5800	219	24300	269	103000
20	80	70	335	120	1400	170	6000	220	25000	270	106000
21	82.5	71	345	121	1450	171	6150	221	25750	271	109000
22	85	72	355	122	1500	172	6300	222	26500	272	112000
23	87.5	73	365	123	1550	173	6500	223	27250	273	115000
24	90	74	375	124	1600	174	6700	224	28000	274	118000
25	92.5	75	387	125	1650	175	6900	225	29000	275	121000
26	95	76	400	126	1700	176	7100	226	30000	276	125000
27	97	77	412	127	1750	177	7300	227	30750	277	128000
28	100	78	425	128	1800	178	7500	228	31500	278	132500
29	103	79	437	129	1850	179	7750	229	32500	279	136000
30	106	80	450	130	1900	180	8000	230	33500		
31	109	81	462	131	1950	181	8250	231	34500		
32	112	82	475	132	2000	182	8500	232	35500		
33	115	83	487	133	2060	183	8750	233	36500		
34	118	84	500	134	2120	184	9000	234	37500		
35	121	85	515	135	2180	185	9250	235	38750		
36	125	86	530	136	2240	186	9500	236	40000		
37	128	87	545	137	2300	187	9750	237	41250		
38	132	88	560	138	2360	188	10000	238	42500		
39	136	89	580	139	2430	189	10300	239	43750		
40	140	90	600	140	2500	190	10600	240	45000		
41	145	91	615	141	2575	191	10900	241	46250		
42	150	92	630	142	2650	192	11200	242	47500		
43	155	93	650	143	2725	193	11500	243	48750		
44	160	94	670	144	2800	194	11800	244	50000		
45	165	95	690	145	2900	195	12150	245	51500		
46	170	96	710	146	3000	196	12500	246	53000		
47	175	97	730	147	3075	197	12850	247	54500		
48	180	98	750	148	3150	198	13200	248	56000		
49	185	99	775	149	3250	199	13600	249	58000		

■ SPEED SYMBOL

The SPEED SYMBOL indicates the speed at which the tyre can carry a load corresponding to its load index service conditions specified by Superhawk.

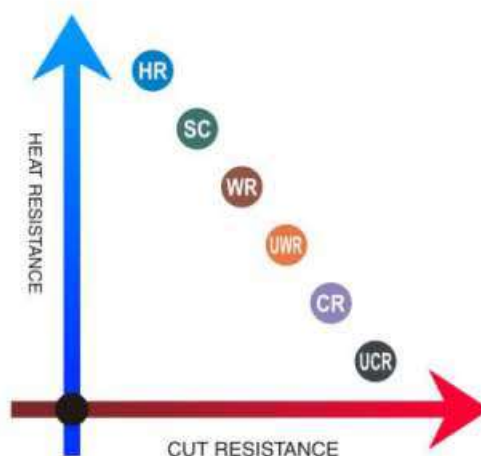
Speed Symbol	Speed (km/h)	Speed Symbol	Speed(km/h)
A1	5	B	50
A2	10	C	60
A3	15	D	65
A4	20	E	70
A5	25	F	80
A6	30	G	90
A7	35		
A8	40		

■ TREAD DEPTH DESIGN COMPARISON

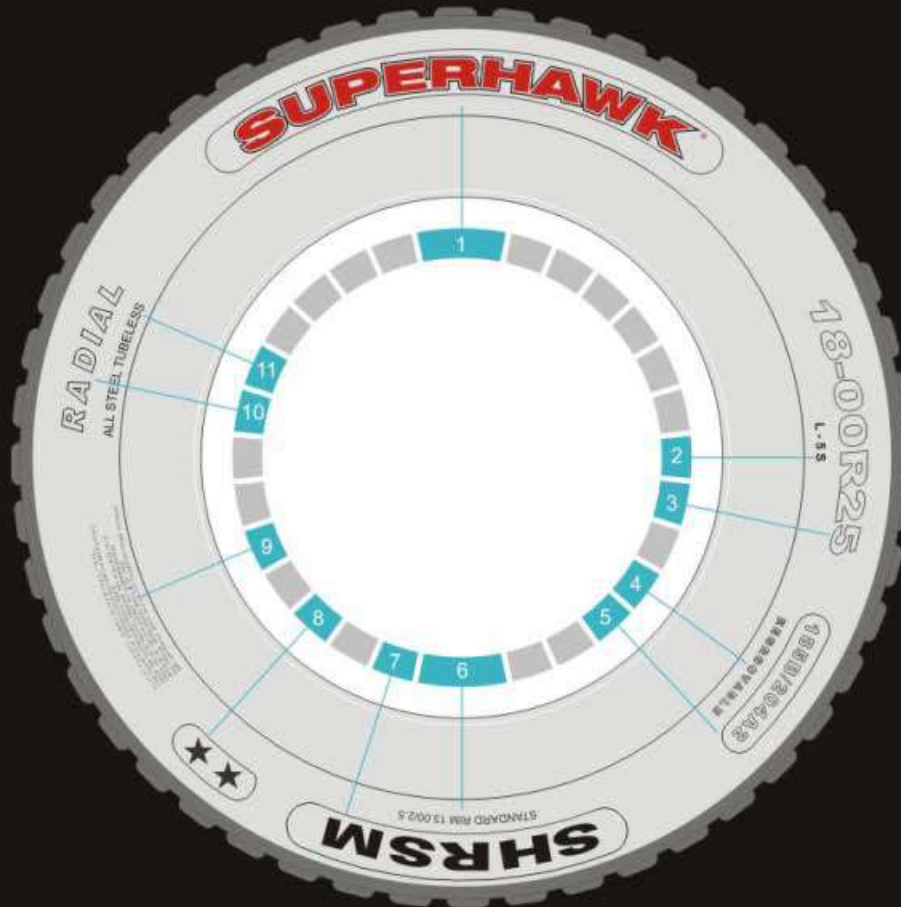


■ COMPOUND TYPE

- HR** HEAT RESISTANCE
- SC** STANDARD COMPOUND
- WR** WEAR RESISTANCE
- UWR** ULTRA WEAR RESISTANCE
- CR** CUT RESISTANCE
- UCR** ULTRA CUT RESISTANCE

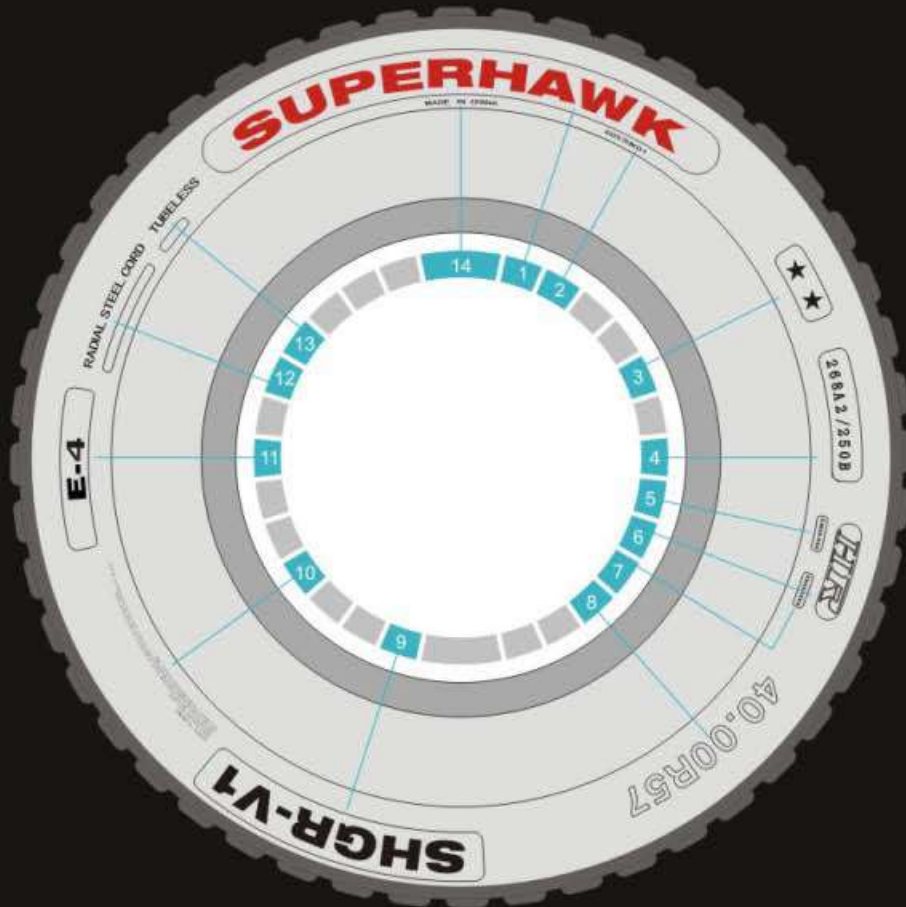


SIDEWALL ENGRAVING EXPLANATION



1. SUPERHAWK	Brand Name	7. SHRSM	Superhawk Tread Pattern Type
2. L-5S	Tread Pattern TRA Code	8. ★★	Star Rating
3. 18.00R25	Tyre Size	9. Safety Warning	Tyre Special Safety Warning
4. Regroovable	Regroovable Tread Design	10. Radial	Radial Construction
5. 185B/204A2	Load Index & Speed Symbol	11. All Steel Tubeless	Tubeless Tyre
6. Standard Rim 13.00/2.5	Recommended Rim Size		

SIDEWALL ENGRAVING DESCRIPTION



1. SUPERHAWK	Brand Name	8. 40. 00R57	Tyre Size
2. 4057HK01	Mould No.	9. SHGR-V1	Superhawk Tread Pattern Type
3. ★★	Star Rating	10. Safety Warning	Tyre Special safety Warning
4. 268A2/250B	Load Index & Speed Symbol	11. E-4	TRA Partten Name
5. E4XXXXXX	E-mark No.	12. Radial	Radial Construction
6. HR	Compound Type	13. Tubeless	Tubeless Tyre
7. A12052501016	Tyre Series No.	14. Made In China	Country Of Origin

SERIAL NUMBER EXPLANATION

SERIAL NUMBER FOR BIAS TYRE WITH RIM SIZE SMALLER THAN 29"(INCLUDE 29.5-29 L4)

1 1 0 5 2 1 0 0 4 0 3											
1 1 0 5 2 1				0 0 4				0 3			
Production Date(YY/MM/DD)				Curing Press No.				Production Tyre No.			

SERIAL NUMBER FOR BIAS TYRE WITH RIM SIZE LARGER THAN 29"(INCLUDE 29.5-29 L5S)

E 1 1 0 5 2 1 0 0 4 0 0 8 2											
E			1 1 0 5 2 1			0 0 4			0 0 8 2		
Construction Generation (C/D/E...)			Production Date (YY/MM/DD)			Curing Press No.			Production Tyre No.		

SERIAL NUMBER FOR RADIAL OFF THE ROAD TYRES WITH RIM SIZE SMALLER THAN 33"(INCLUDE 33")

A 1 1 0 3 2 8 1 5 0 4											
A			1 1 0 3 2 8			1 5			0 4		
Shift No.(A/B/C)			Production Date (YY/MM/DD)			Curing Press No.			Production Tyre No.		

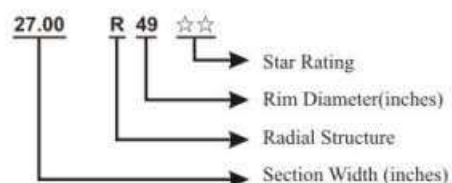
SERIAL NUMBER FOR RADIAL OFF THE ROAD TYRE WITH RIM SIZE LARGER THAN 33"

E A J 0 0 0 0 0 1											
E		A		J		0 0		0 0 0 1			
Factory Code		Production Year		Production Month		Specifications		Production Tyre No.			

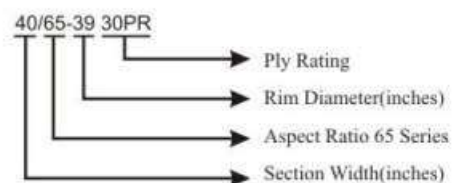
TYRE ASPECT RATIO EXPLANATION

(TYRE SECTION HEIGHT/TYRE SECTION WIDTH)

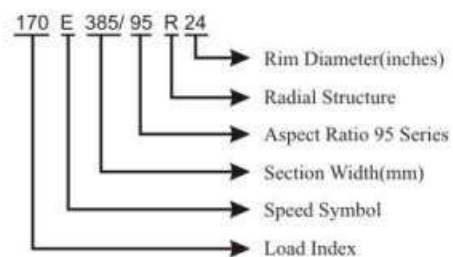
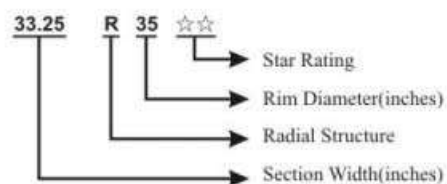
Narrow Base



Super Wide Base



Wide Base



CLASSIFICATION OF SUPERHAWK OFF-THE-ROAD TYRE

TYRE TYPE NOMENCLATURE		SERVICE/VEHICLE	SUPERHAWK TREAD PATTERN		Maximum*		
TRA CODE NUMBER	TREAD TYPE		BIAS	RADIAL	Speed	Journey Distance	
E EQUALS EARTHMOWING (HAULAGE) SERVICE							
E-1	Rib Regular Tread	1 Rigid Dump Truck 2 Articulated Dump Truck 3 Coal Hauler 4 Scraper				65km(40mph)	4km(2.5mi.)
E-2	Traction Regular Tread			LQ102		65km(40mph)	4km(2.5mi.)
E-3	Rock Regular Tread			LQ101/LQ102/LQ107 LQ108/LQ110/HK508	HKI	65km(40mph)	4km(2.5mi.)
E-4	Rock Deep Tread			LQ101/LQ107	HK208/HK298	65km(40mph)	4km(2.5mi.)
E-7	Flotation Tread					65km(40mph)	4km(2.5mi.)
L EQUALS LOADER AND DOZER (SLOW SPEED) SERVICE							
L-2	Traction Regular Tread	1 Loader 2 Dozer 3 Shovels 4 Shuttle Truck 5 LHD(Load-Haul-Dump) Machine 6 Span Carrier		LQ106/LQ112		10km/h(5mph)	76m(250ft.)
L-3	Rock Regular Tread			LQ101/LQ108/LQ110/HK508	HKI	10km/h(5mph)	76m(250ft.)
L-4	Rock Deep Tread			LQ101/LQ105/LQ108		10km/h(5mph)	76m(250ft.)
L-5	Rock Extra Deep Tread			LQ109	SHDLS	10km/h(5mph)	76m(250ft.)
L-3S	Smooth Regular Tread					10km/h(5mph)	76m(250ft.)
L-4S	Smooth Deep Tread			LQ108		10km/h(5mph)	76m(250ft.)
L-5S	Smooth Extra Deep Tread			LQ108	SHRSM	10km/h(5mph)	76m(250ft.)
GEQUALS GRADER SERVICE							
G-1	Rib Regular Tread	1 Grader				40km/h(25mph)	Unlimited
G-2	Traction Regular Tread			LQ106		40km/h(25mph)	Unlimited
G-3	Rock Regular Tread			LQ101	HKI	40km/h(25mph)	Unlimited
G-4	Rock Deep Tread			LQ101		40km/h(25mph)	Unlimited
C EQUALS COMPACTOR SERVICE							
C1	Smooth Tread	1 Compactor 2 Tyre-roller				10km/h(5mph)	Unlimited
C2	Grooved Tread					10km/h(5mph)	Unlimited
IND EQUALS INDUSTRIAL SERVICE							
IND-3	Regular Tread	1 Mechanical Handling Equipment 2 Towing Tractors 3 Mobile Crusher		LQ102/LQ110/HK508		-----	-----
IND-4	Deep Tread			LQ105/LQ108		-----	-----
IND-5	Extra Deep Tread					-----	-----
LS EQUALS LOGGING SERVICE							
LS		1 Log-skidder		LQ107/LQ403/LQ405	HKI/HK298	-----	-----
HIGH-SPEED SERVICE							
HIGH-SPEED SERVICE		1 Mobile Crane				-----	-----
		1 Mining & Logging Truck				-----	-----
MULTIPLE SERVICE							
4L I3		1 MPT		LQ312		-----	-----



BIAS OTR TYRE



LQ101

BIAS OTR TYRE L3/E3/G3 L4/E4/G4

- For earthmover applications at lower speeds, for static loads and for industrial applications, please consult technical department.
- Non-directional tread pattern design supplies the excellent traction, land grip and chunking resistance performance.



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
16/70-20	10	LQ101	L3/E3/G3	26	13(SDC)	TT	1075	410	4200	2400	325	250
	14	LQ101	L3/E3/G3	26	13(SDC)	TT	1075	410	5150	2925	450	350
	18	LQ101	L3/E3/G3	26	13(SDC)	TT	1075	410	5800	3350	550	450
17.5-25	8	LQ101	L3/E3/G3	30	14.00/1.5	TL/TT	1350	445	4750	2800	225	150
	12	LQ101	L3/E3/G3	30	14.00/1.5	TL/TT	1350	445	6150	3650	350	225
	16	LQ101	L3/E3/G3	30	14.00/1.5	TL/TT	1350	445	7300	4250	475	300
	20	LQ101	L3/E3/G3	30	14.00/1.5	TL/TT	1350	445	8250	5000	575	400
20.5-25	16	LQ101	L3/E3/G3	32	17.00/2.0	TL/TT	1490	520	8250	5450	350	275
	20	LQ101	L3/E3/G3	32	17.00/2.0	TL/TT	1490	520	9500	6000	450	325
	24	LQ101	L3/E3/G3	32	17.00/2.0	TL/TT	1490	520	10300	6700	525	400
	28	LQ101	L3/E3/G3	32	17.00/2.0	TL/TT	1490	520	11500	7500	625	475
23.5-25	16	LQ101	L3/E3/G3	36	19.50/2.5	TL/TT	1615	595	9500	6150	300	225
	20	LQ101	L3/E3/G3	36	19.50/2.5	TL/TT	1615	595	10900	7300	375	300
	24	LQ101	L3/E3/G3	36	19.50/2.5	TL/TT	1615	595	12500	8000	475	350
	28	LQ101	L3/E3/G3	36	19.50/2.5	TL/TT	1615	595	13600	8750	550	400
26.5-25	16	LQ101	L3/E3/G3	37	22.00/3.0	TL/TT	1750	675	11500	7300	275	200
	20	LQ101	L3/E3/G3	37	22.00/3.0	TL/TT	1750	675	13200	8250	350	250
	24	LQ101	L3/E3/G3	37	22.00/3.0	TL/TT	1750	675	14000	9250	400	300
	28	LQ101	L3/E3/G3	37	22.00/3.0	TL/TT	1750	675	15500	10000	475	350
	32	LQ101	L3/E3/G3	37	22.00/3.0	TL/TT	1750	675	17000	11200	550	425
29.5-25	16	LQ101	L3/E3/G3	42	25.00/3.5	TL/TT	1875	750	12900	8000	250	175
	22	LQ101	L3/E3/G3	42	25.00/3.5	TL/TT	1875	750	15000	10000	325	250
	28	LQ101	L3/E3/G3	42	25.00/3.5	TL/TT	1875	750	17500	11500	425	325
	34	LQ101	L3/E3/G3	42	25.00/3.5	TL/TT	1875	750	20000	13200	530	410



LQ102

BIAS OTR TYRE IND-3

- For both dump truck, loader and industrial applications.
- Strong carcass construction provides extra load capacity.
- Aggressive tread design supplies excellent abrasion resistance, cut and chunking resistance performance.



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
14.00-24	20	LQ102	IND-3	33	10.0	TL/TT	1370	375	8500	4625	700	475
	24	LQ102	IND-3	33	10.0	TL/TT	1370	375	9500	5150	850	575
	28	LQ102	IND-3	33	10.0	TL/TT	1370	375	10000	5600	925	650
	32	LQ102	IND-3	33	10.0	TL/TT	1370	375	10500	6050	1000	740



LQ103

BIAS OTR TYRE



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	0km/h	10km/h	0km/h
17.5-25	12	LQ103	L2/G2	28	14.00/1.5	TL/FF	1350	465	4750	—	225	—
	22	LQ103	L2/G2	28	14.00/1.5	TL/FF	1350	465	8950	9300	650	650

- ◆ For both dump truck, loader and industrial applications.
- ◆ Strong carcass construction provides extra load capacity.
- ◆ Aggressive tread design supplies excellent abrasion, cut, and chunking resistance performance.



LQ105

BIAS OTR TYRE R4



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Speed Sybol	Inflation Pressure (kPa)	Maximum Load Versus Speed(kg)					
		Type	TRA Code				Outer Diameter	Section Width			0km/h	15km/h	25km/h	30km/h	40km/h	50km/h
12.5/80-18 (IMP)	12	LQ105	R4	28	W9x18(11x18)	TT	1014	322	A6	370	4375	3205	2835	2650	2385	—
16.9-24 (IND)	8	LQ105	R4	26	W15Lx24 (W14Lx24)	TT	1351	464	A8	190	6095	3550	2940	2835	2650	2410
	10	LQ105	R4	26		TT	1351	464	A8	220	6900	4040	3330	3210	3000	2730
	12	LQ105	R4	26		TT	1351	464	A8	260	7475	4355	3610	3480	3250	2960
17.5L-24 (IND)	6	LQ105	R4	29	W15Lx24 (W14Lx24)	TT	1278	480	A8	140	4600	2680	2220	2140	2000	1820
	8	LQ105	R4	29		TT	1278	480	A8	170	5590	3255	2695	2600	2430	2210
	10	LQ105	R4	29		TT	1278	480	A8	220	6440	3750	3110	2995	2800	2550
	12	LQ105	R4	29		TT	1278	480	A8	260	7475	4355	3610	3480	3250	2960
19.5L-24 (IND)	8	LQ105	R4	27	W16Lx24 (DA16A, W15Lx24)	TT	1356	535	A8	170	6270	3650	3025	2915	2725	2480
	10	LQ105	R4	27		TT	1356	535	A8	190	7075	4120	3415	3290	3075	2800
	12	LQ105	R4	27		TT	1356	535	A8	230	7935	4625	3830	3690	3450	3140
21L-24 (IND)	14	LQ105	R4	27	W18Lx24 (W18x24, DW18Ax24)	TT	1356	535	A8	260	8915	5195	4300	4145	3875	3525
	10	LQ105	R4	37		TT	1424	576	A8	180	7705	4490	3720	3585	3350	3050
	12	LQ105	R4	37		TT	1424	576	A8	220	8915	5195	4300	4145	3875	3525
16.9-28 (IND)	16	LQ105	R4	37	W16Lx26 (DW16A, W15Lx26)	TT	1424	576	A8	280	10350	6030	4995	4815	4500	4095
18.4-26 (IND)	12	LQ105	R4	27		TL/TT	1523	505	A8	250	9200	5360	4440	4280	4000	3640
16.9-28 (IND)	12	LQ105	R4	32		TL/TT	1452	464	A8	260	8165	4755	3940	3800	3550	3230

- ◆ For Load and Inflation Pressure on agricultural tractors, please consult the technical department.
- ◆ For tractor steer wheels, load is 80% of free rolling load.
- ◆ For 12.5/80-18, the load capacity and inflation pressure is for free rolling application.



LQ106

BIAS OTR TYRE G2/L2



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		speed symbol
		Type	TRA Code				Outer Diameter	Section Width	
13.00-24 (TG)	10	LQ106	G2/L2	28	8.00TG	TBLS/TT	1298	366	A8/A2
	12	LQ106	G2/L2	28	(10.00VA,9.00DC)	TBLS/TT	1298	366	A8/A2
	14	LQ106	G2/L2	28	8.00TG(10.00VA)	TBLS/TT	1298	366	A8/A2
	16	LQ106	G2/L2	28	10.00VA	TBLS/TT	1298	366	A8/A2
14.00-24 (TG)	12	LQ106	G2/L2	28	8.00TG	TBLS/TT	1370	398	A8/A2
	14	LQ106	G2/L2	28	8.00TG	TBLS/TT	1370	398	A8/A2
	16	LQ106	G2/L2	28	10.00VA	TBLS/TT	1370	398	A8/A2

OFF-THE-ROAD TRACTOR AND GRADER SERVICE(TG G2 FOR MAX 40KM/H SPEED, DISTANCE UNLIMITED)

Tyre Size	Load Limits At Cold Inflation Pressures										
	kPa	125	150	175	200	225	250	275	300	325	350
13.00-24	kg	1700	1900	2060	2240	2360(10)	2500	2650	2725(12)	2800(14)	2900(16)
14.00-24	kg	2060	2300	2500	2650	2800	3075(12)	3250	3450(14)	3550	3650(16)

OFF-THE-ROAD SLOW SPEED SERVICE(TG L2 FOR MAX 10KM/H SPEED, JOURNEY DISTANCE 76M)

Tyre Size	Load Limits At Cold Inflation Pressures												
	kPa	325	350	375	400	425	450	475	500	525	550	575	600
13.00-24	kg	4500	4750	5000(10)	5150	5300	5600(12)	5600	5800	6000(14)	6150	6300	6500(16)
14.00-24	kg	5450	5600	6000	6150	6300(12)	6500	6700(14)	6900	7100	7300(16)	-	-

◆ For maintenance work on established highways, inflation pressures may be increased 50% if desired with no increase in loads.



LQ108

Bias OTR Tyre L4S/L5S



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
14.00-24	16	LQ108	L-5S	78	10	TL	1370	375	7300	-	550	-
	20	LQ108	L-5S	78	10	TL	1370	375	8500	-	700	-
	24	LQ108	L-5S	78	10	TL	1370	375	9500	-	850	-
	28	LQ108	L-5S	78	10	TL	1370	375	10000	-	925	-
	32	LQ108	L-5S	78	10	TL	1370	375	10600	-	1000	-
14.00-24	16	LQ108	L-4S	37	10	TL	1370	375	7300	4000	550	375
	20	LQ108	L-4S	37	10	TL	1370	375	8500	4625	700	475
	24	LQ108	L-4S	37	10	TL	1370	375	9500	5150	850	575
	28	LQ108	L-4S	37	10	TL	1370	375	10000	5600	925	650
	32	LQ108	L-4S	37	10	TL	1370	375	10600	6000	1000	725
17.5-25	16	LQ108	L-5S	69	14.00/1.5	TL	1380	445	7300	-	475	-
	20	LQ108	L-5S	69	14.00/1.5	TL	1380	445	8250	-	575	-
26.5-25	20	LQ108	L-5S	98	22.00/3.0	TL	1790	675	13200	-	350	-
	24	LQ108	L-5S	98	22.00/3.0	TL	1790	675	14000	-	400	-
	28	LQ108	L-5S	98	22.00/3.0	TL	1790	675	15000	-	475	-
	32	LQ108	L-5S	98	22.00/3.0	TL	1790	675	17000	-	550	-
29.5-29	28	LQ108	L-5S	104	25.00/3.5	TL	2023	750	19000	-	425	-
	34	LQ108	L-5S	104	25.00/3.5	TL	2023	750	21200	-	525	-
	40	LQ108	L-5S	104	25.00/3.5	TL	2023	750	23600	-	625	-

- ◆ Smooth extra deep tread is specially designed for underground mining application.
- ◆ Extra deep tread provides better cutting, weariness, cutting resistance and also longer life.
- ◆ Special compound for heating-up problem.
- ◆ The 14.00-24 L-4S is also applicable for mechanical handling equipment.



LQ111

Bias OTR Tyre IND-3/E3



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
16.00-25	24	LQ111	IND-3/E3	37	11.25/2.0	TL/TT	1490	450	10600	6000	650	475
	28	LQ111	IND-3/E3	37	11.25/2.0	TL/TT	1490	450	11500	6700	750	575
	32	LQ111	IND-3/E3	37	11.25/2.0	TL/TT	1490	450	12500	7300	875	650
	36	LQ111	IND-3/E3	37	11.25/2.0	TL/TT	1490	450	13600	7750	975	725
18.00-25	24	LQ111	IND-3/E3	41	13.00/2.5	TL/TT	1615	495	12500	7300	550	425
	28	LQ111	IND-3/E3	41	13.00/2.5	TL/TT	1615	495	13600	8000	650	500
	32	LQ111	IND-3/E3	41	13.00/2.5	TL/TT	1615	495	15000	8750	750	575
	36	LQ111	IND-3/E3	41	13.00/2.5	TL/TT	1615	495	16000	9250	850	625
21.00-25	40	LQ111	IND-3/E3	41	13.00/2.5	TL/TT	1615	495	17000	9750	950	700
	24	LQ111	IND-3/E3	42	15.00/3.0	TL/TT	1750	635	15000	8750	500	375
	28	LQ111	IND-3/E3	42	15.00/3.0	TL/TT	1750	635	16500	9500	575	425
	32	LQ111	IND-3/E3	42	15.00/3.0	TL/TT	1750	635	17500	10300	650	500
	36	LQ111	IND-3/E3	42	15.00/3.0	TL/TT	1750	635	18600	-	725	-
	40	LQ111	IND-3/E3	42	15.00/3.0	TL/TT	1750	635	20600	-	825	-

- ◆ Designed super strength carcass, provide high-load operation protection in all-weather.
- ◆ Designed wide wall, protected carcass like an iron rampart.
- ◆ Extra wide tread profile and big block tread pattern design, provide the excellent anti-puncture and tract performance.
- ◆ Anti-aging formula to provide long wear life.



LQ112

Bias OTR Tyre L-2



Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)
		Type	TRA Code			Outer Diameter	Section Width	8km/h	16km/h	
8.25-16	14	LQ112	L-2	6.50H	TT	845	240	-	795	250
12.00-16	12	LQ112	L-2	8.0H	TT	880	259	-	1600	280
14/90-16	12	LQ112	L-2	8.50H	TT	910	300	-	1600	280
16/70-16	10	LQ112	L-2	10.00G	TT	935	345	-	1600	280

- ◆ Apply to construction and mine area.
- ◆ Extra wide tread profile and big block tread pattern design, supply the excellent anti-puncture and tract performance.
- ◆ Anti-aging formula to provide long wear life.



LQ312

Bias MPT Tyre 4L I3



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Application	Maximum Tyre Load(kg)							
		Type	TRA Code				Inflation Pressure (kPa)	On Other Vehicles at Maximum Speed				Inflation Pressure (kPa)	On Forklift at 25km/h				
								Static		10	25		60	Load Wheel	Steer Wheel		
405/70-20	12	LQ312	4L I3	26	13X20(13SDC)	TBLS/TT	1100	435	Free	300	5695	4830	4105	3105	475	4935	4140
									Drive	300	5695	3400	2890	2185	475	4935	4140
	14	LQ312	4L I3	26	13X20(13SDC)	TBLS/TT	1100	435	Free	350	6190	5250	4465	3375	550	5365	4500
									Drive	350	6190	3710	3155	2385	550	5365	4500

- ◆ MPT tyre can be apply to multi road condition. For the application details, please consult technical department.
- ◆ Designed in wide wall, protected carcass like an iron rampart.
- ◆ Extra wide tread profile for better cut and wear resistance performance.
- ◆ Anti-aging formula to provide long servicing life.
- ◆ Multi tread pattern grooves provide excellent traction performance.



HK508

Bias OTR Tyre E3



Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code			Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
14.00-24	24	HK508	E3	10.00	TT	1368	386	9500	5150	850	575
	28	HK508	E3	10.00	TT	1368	386	10000	4600	925	650
13.00-25	28	HK508	E3	8.50	TT	1309	336	—	4600	--	700
14.00-25	28	HK508	E3	10.00	TT	1370	375	10000	5600	925	650
	36	HK508	E3	10.00	TT	1370	375	12850	7200	1150	835

- ◆ Design for construction and mine area.
- ◆ Extra wide tread profile and big block tread pattern design, supply the excellent anti-puncture and tract performance.
- ◆ Anti-aging formula to provide long wear life.



BIAS INDUSTRIAL TYRE



LQ110

Bias OTR Tyre IND-3



Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code			Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
40X12.5-20NHS	28	LQ110	IND-3	10.00/2.0	TT/TL	1000	320	7900	4500	1000	800
	20	LQ110	IND-4/E-4	10.0	TT/TL	1370	375	8500	4625	700	475
14.00-24NHS	24	LQ110	IND-4/E-4	10.0	TT/TL	1370	380	9500	5150	850	575
	28	LQ110	IND-4/E-4	10.0	TT/TL	1370	380	10000	5600	925	650
	32	LQ110	IND-4/E-4	10.0	TT/TL	1370	380	10500	6050	1000	740
16.00-25NHS	24	LQ110	IND-4/E-4	11.25/2.0	TT/TL	1546	430	10600	6000	650	475
	28	LQ110	IND-4/E-4	11.25/2.0	TT/TL	1546	430	11500	6700	750	575
	32	LQ110	IND-4/E-4	11.25/2.0	TT/TL	1546	430	12500	7300	875	650
	36	LQ110	IND-4/E-4	11.25/2.0	TT/TL	1546	430	13600	7750	975	725
18.00-25NHS	24	LQ110	IND-4/E-4	13.00/2.5	TT/TL	1670	495	12500	7300	550	425
	28	LQ110	IND-4/E-4	13.00/2.5	TT/TL	1670	495	13600	8000	650	500
	32	LQ110	IND-4/E-4	13.00/2.5	TT/TL	1670	495	15000	8750	750	575
	36	LQ110	IND-4/E-4	13.00/2.5	TT/TL	1670	495	16000	9250	850	625
	40	LQ110	IND-4/E-4	13.00/2.5	TT/TL	1670	495	17500	9750	1000	700

- ◆ Designed super strength carcass, provide high-load operation protection in all-weather.
- ◆ Designed wide wall, protected carcass like an iron rampart.
- ◆ Extra wide tread profile and big block tread pattern design, supply the excellent anti-puncture and tract performance.
- ◆ Anti-aging formula to provide long wear life.
- ◆ Infusion into the polyurethane solid tires, provide high security and stability with worry-free performance.



SSM101

Bias Industrial Tyre.



Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	8km/h	16km/h	
315/55D20	14	SSM101	R4	11	Filled	830	319	3360	4380	560
445/65-22.5	18	SSM101	R4	13.0	Filled	1180	445	8500	1060	800
	20	SSM101	R4	13.0	Filled	1180	445	1100	14560	860
18-625	16	SSM101	R4	15.0	Filled	1033	450	6900	8970	700
355/55D625	14	SSM101	R4	11.75	Filled	936	355	5840	7600	520
445/50D710	18	SSM101	R4	W15L	Filled	1210	450	8500	1075	750

- ◆ Designed super strength carcass, provide high-load operation protection in all-weather.
- ◆ Designed wide wall, protected carcass like an iron rampart.
- ◆ Extra wide tread profile and big block tread pattern design, supply the excellent anti-puncture and tract performance.
- ◆ Anti-aging formula to provide long wear life.
- ◆ Foam filled tyre, provide high security and stability with worry-free performance.



SSR101

Bias SKS Tyre



Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	8km/h	16km/h	
10-16.5	8	SSR101	—	8.25	TL	788	280	1880	1480	410
	10	SSR101	—	8.25	TL	788	280	2135	1690	520
	12	SSR101	—	8.25	TL	788	280	2375	1900	620

- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.
- ◆ Designed in wide wall, protected carcass like an iron rampart.
- ◆ Extra wide tread profile for better land ratio.
- ◆ Anti-aging formula to provide long wear life.



LQ308 SKS

Bias SKS Tyre



Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	8km/h	16km/h	
10-16.5	6	LQ308	—	8.25	TL	763	285	1590	1260	315
	8	LQ308	—	8.25	TL	763	285	1875	1480	420
	10	LQ308	—	8.25	TL	763	285	2140	1900	525
	12	LQ308	—	8.25	TL	763	285	2405	1900	630
12-16.5	8	LQ308	—	9.75	TL	820	320	2180	1720	350
	10	LQ308	—	9.75	TL	820	320	2545	2010	450
	12	LQ308	—	9.75	TL	820	320	2880	2280	560
26x12-16.5 (300/40-16.5)	10	LQ308	—	9.75	FF	663	283	1630	1290	400
	14	LQ308	—	9.75	FF	663	283	2060	1630	600
14-17.5	8	LQ308	—	10.5	TL	920	355	2585	2040	280
	10	LQ308	—	10.5	TL	920	355	3105	2450	385
	12	LQ308	—	10.5	TL	920	355	3550	2800	480
	14	LQ308	—	10.5	TL	920	355	3875	3060	560
15-19.5	8	LQ308	—	11.75	TL	1020	398	3255	2570	280
	10	LQ308	—	11.75	TL	1020	398	3745	2960	350
	12	LQ308	—	11.75	TL	1020	398	4170	3290	420
	14	LQ308	—	11.75	TL	1020	398	5070	4010	560
	16	LQ308	—	11.75	TL	1020	398	6000	4740	700
385/65-22.5	16	LQ308	—	11.75	TL/FF	1092	382	6900	6400	700
	18	LQ308	—	11.75	TL/FF	1092	382	7750	7200	800
385/45-28	18	LQ308	—	11.75	FF	1090	380	7085	6070	750

- ◆ Designed super strength carcass, provide high-load operation protection in all-weather.
- ◆ Designed wide wall, protected carcass like an iron rampart.
- ◆ Extra wide tread and big tread pattern block design, provide the excellent anti-puncture and tract performance.
- ◆ Anti-aging formula to provide long servicing life.
- ◆ Foam filled tyre, provide high security and stability with worry-free performance.



LQ301

Bias Industrial Tyre



Tyre Size	PR	Tread Pattern	Tread Depth (mm)	Rim Size	Tube Type	Flap	Tyre Dimensions		Inflation Pressure (kPa)	Max Load(kg) Versus Speed		Inflation Pressure (kPa)	
							Max in Service(mm)			Drive Wheel	Steer Wheel	Drive Wheel	Steer Wheel
							Outer Diameter	Section Width					
5.00-8	8	LQ301	10	3.00D	5.00-8	5.00-8	476	143	825	1235	950	1190	885
	10	LQ301	10	3.00D	5.00-8	5.00-8	476	143	1000	1415	1090	1365	1015
18x7-8 (180/70-8)	16	LQ301	10	4.33R	18x7-8	18x7-8	471	187	1000	2145	1650	2065	1535
	18	LQ301	10	4.33R	18x7-8	18x7-8	471	187	1050	2405	1850	2315	1720
6.00-9	10	LQ301	12	4.00E	6.00-9	6.00-9	540	160	860	1505	1275	1400	1120
	12	LQ301	12	4.00E	6.00-9	6.00-9	540	160	1030	1675	1415	1560	1245
7.00-9	10	LQ301	13.5	5.00S	7.00-9	7.00-9	590	190	860	1995	1685	1850	1480
21x8-9 (200/75-9)	14	LQ301	12	6.00E	21x8-9	21x8-9	546	216	900	2535	1950	2440	1815
	16	LQ301	12	6.00E	21x8-9	21x8-9	546	216	1000	2755	2120	2650	1970
6.50-10	10	LQ301	13	5.00F	6.50-10	6.50-10	590	175	775	1950	1500	1875	1395
	12	LQ301	13	5.00F	6.50-10	6.50-10	590	175	900	2145	1650	2065	1535
	14	LQ301	13	5.00F	6.50-10	6.50-10	590	175	1000	2340	1800	2250	1675
7.00-12	12	LQ301	14	5.00S	7.00-12	7.00-12	676	190	860	2680	2060	2575	1915
	14	LQ301	14	5.00S	7.00-12	7.00-12	685	207	900	2755	2120	2650	1970
8.25-12	12	LQ301	16	5.00S	8.25-12	8.25-12	735	216	720	3060	2585	2840	2270
7.00-15	14	LQ301	12	5.5	7.00/7.50/8.15-15	7.00/7.50/8.15-15	761	213	900	3350	2575	3220	2395
250-15 (250/75-15)	18	LQ301	12	7.5	250-15	8.15/250/300-15	750	270	950	4745	3650	4565	3395
	20	LQ301	12	7.5	250-15	8.15/250/300-15	750	270	1050	5200	4000	5000	3720
28x9-15 (8.15-15) (225/70-15)	12	LQ301	10	7.0	700/750/815-15	8.15/250/300-15	706	220	830	2790	2355	2590	2070
	14	LQ301	10	7.0	700/750/815-15	8.15/250/300-15	706	220	970	3050	2575	2835	2265
	16	LQ301	10	7.0	700/750/815-15	8.15/250/300-15	706	220	1000	3115	2630	2895	2310
8.25-15	14	LQ301	14	6.5	8.25-15	7.00/7.50/8.25-15	853	253	800	4225	3250	4065	3025
	16	LQ301	14	6.5	8.25-15	7.00/7.50/8.25-15	853	253	925	4615	3550	4440	3300
300-15 (315/70-15)	18	LQ301	14	8.0	300-15	8.15/250/300-15	857	324	800	6015	4625	5780	4300
	20	LQ301	14	8.0	300-15	8.15/250/300-15	857	324	950	6340	4875	6095	4535
9.00-20	16	LQ301	14	7.0	8.25/9.00-20	8.25/9.00-20	1038	279	1000	5700	4750	5465	4420

- ◆ Natural rubber compound limits heating-up.
- ◆ Popular tread design, full ply construction and thick sidewalls.
- ◆ perfect combination of quality and value.



EF-108

Bias Industrial Tyre



Tyre Size	PR	Tread Pattern	Tread Depth (mm)	Rim Size	Tube Type	Flap	Tyre Dimensions		Inflation Pressure (kPa)	Max Load(kg) Versus Speed		Inflation Pressure (kPa)	
							Max in Service(mm)			Drive Wheel	Steer Wheel	Drive Wheel	Steer Wheel
							Outer Diameter	Section Width					
5.00-8	8	EF-108	12	3.50D	5.00-8	5.00-8	470	137	790	1000	845	930	745
	10	EF-108	12	3.50D	5.00-8	5.00-8	470	137	1000	1150	970	1065	850
18X7-8 (180/70-8)	14	EF-108	15	4.33R	18X7-8	18X7-8	465	173	900	1440	1220	1340	1070
6.00-9	10	EF-108	13	4.00E	6.00-9	6.00-9	540	160	860	1505	1275	1400	1120
	12	EF-108	13	4.00E	6.00-9	6.00-9	540	160	1030	1675	1415	1560	1245
6.50-10	10	EF-108	14	5.00F	6.50-10	6.50-10	590	175	790	1655	1400	1540	1230
	12	EF-108	14	5.00F	6.50-10	6.50-10	590	175	970	1860	1570	1725	1380
7.00-12	12	EF-108	15	5.00S	7.00-12	7.00-12	676	190	860	2375	2005	2205	1765
7.00-15	14	EF-108	18	5.5	7.00/7.50/8.15-15	7.00/7.50/8.15-15	750	200	900	3350	2575	3220	2395
7.50-15	14	EF-108	18	6.0	7.50-15	7.50-15	780	215	925	3640	2800	3500	2590
250-15 (250/75-15)	16	EF-108	23	7.5	250-15	8.15/250/300-15	735	250	930	3865	3265	3590	2870
	20	EF-108	23	7.5	250-15	8.15/250/300-15	735	250	1050	5200	4000	5000	3700
28X9-15	12	EF-108	17	7.0	28X9-15	28X9-15	710	220	830	2790	2355	2590	2070
	14	EF-108	17	7.0	28X9-15	28X9-15	710	220	970	3050	2575	2835	2265
	16	EF-108	17	7.0	28X9-15	28X9-15	710	220	1000	3115	2630	2895	2310
8.25-15	14	EF-108	20	6.5	8.25-15	7.00/7.5/8.25-15	840	235	830	3775	3185	3505	2800
300-15	18	EF-108	26	8.0	300-15	8.15/250/300-15	840	300	830	5540	4670	5135	4105
	22	EF-108	26	8.0	300-15	8.15/250/300-15	840	300	975	7810	6000	—	—
9.00-20	14	EF-108	20	7.0	8.25/9.00-20	8.25/9.00-20	1018	259	760	5195	4385	4825	3855

- ◆ Traditional tread design, long lasting bias tyre pattern.
- ◆ Superior and latest construction techniques with first quality nylon and natural rubber, for most arduous application.
- ◆ Deeper tread pattern provide better wear performance.



BIAS GIANT OTR TYRE



LQ107

Bias Giant OTR Tyre E3/E4



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
21.00-33	28	LQ107	E3	38	15.00/3.0	TT	1953	572	16300	9400	550	425
	32	LQ107	E3	38	15.00/3.0	TT	1953	572	17900	10300	650	500
	36	LQ107	E3	38	15.00/3.0	TT	1953	572	19500	11200	750	575
21.00-35	28	LQ107	E4	57	15.00/3.0	TL	2005	575	19500	11200	575	425
	32	LQ107	E4	57	15.00/3.0	TL	2005	575	21200	12150	650	500
	36	LQ107	E4	57	15.00/3.0	TL	2005	575	23000	12850	750	550
	40	LQ107	E4	57	15.00/3.0	TL	2005	575	24300	14000	825	625
	44	LQ107	E4	57	15.00/3.0	TL	2005	575	25000	14500	900	675
24.00-35	42	LQ107	E3	44	17.00/3.5	TL	2130	650	29000	16500	750	550
	48	LQ107	E3	44	17.00/3.5	TL	2130	650	31500	18500	850	650

- ◆ The regular E-3 tread is designed with special compounded rubber for operation on rocky and rugged applications.
- ◆ The E-4 deep tread can solve the critical serviceability and cutting problems on rock, coal and earth surfaces.
- ◆ Aggressive tread provides super durability and lowering vibration.
- ◆ Available compounds: Heat Resistance(HR); standard(SC); Cut resistance(CR); Ultra cutting Resistance(UCR).



LQ109

Bias Giant OTR Tyre L5



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Speed versus Inflation Pressure(kPa)	
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h
35/65-33	24	LQ109	L-5	106	28.00/3.5	TL	2077	890	19000	-	350	-
	30	LQ109	L-5	106	28.00/3.5	TL	2077	890	21800	-	450	-
	36	LQ109	L-5	106	28.00/3.5	TL	2077	890	23600	-	525	-
	42	LQ109	L-5	106	28.00/3.5	TL	2077	890	26500	-	625	-
45/65-45	38	LQ109	L-5	117	36.00/4.5	TL	2733	1140	38750	-	425	-
	46	LQ109	L-5	117	36.00/4.5	TL	2733	1140	43750	-	525	-
	58	LQ109	L-5	117	36.00/4.5	TL	2733	1140	50000	-	675	-

- ◆ Special pattern design is developed to provide maximum protection for front-end loader tyres when service on rock, coal and rugged earth surface where serviceability and tread cutting are critical problems.
- ◆ Extra tread depth for mine haulage for super traction and weariness.
- ◆ Unique tread compound provides excellent chipping, tearing and cutting resistance, and also avoid heating-up on shoulder area.



ALL STEEL RADIAL OTR TYRE



HK1

All Steel Radial

Radial OTR Tyre L3/E3/G3



Tyre Size	Star Rating	Tread Pattern		Load Index	Tube Type	Rim Size	Inflation Dimensions (mm)		Max Load Capacity (kg)		Inflation Pressure (kPa)		Tread Depth (mm)
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h	
17.5R25	★	HK1	L3/E3/G3	176/157	TBLS	14.00/1.5	1348	445	7100	4125	500	375	26.5
	★★	HK1	L3/E3/G3	182/167			1348	445	8500	5450	650	525	26.5
20.5R25	★	HK1	L3/E3/G3	186/168	TBLS	17.00/2.0	1493	521	9500	5600	500	375	32
	★★	HK1	L3/E3/G3	193/177			1493	521	11500	7300	650	525	32
23.5R25	★	HK1	L3/E3/G3	195/176	TBLS	19.50/2.5	1617	597	12150	7100	500	375	35
	★★	HK1	L3/E3/G3	201/185			1617	597	14500	9250	650	525	35
26.5R25	★	HK1	L3/E3/G3	202/184	TBLS	22.00/3.0	1750	673	15000	9000	500	375	40
	★★	HK1	L3/E3/G3	209/193			1750	673	18500	11500	650	525	40
29.5R25	★	HK1	L3/E3/G3	208/191	TBLS	25.00/3.5	1874	749	18000	10900	500	375	40
	★★	HK1	L3/E3/G3	216/200			1874	749	22400	14000	650	525	40

- ◆ Specially designed for mining and construction applications.
- ◆ Extra deep tread pattern provides super traction and wearing performance.
- ◆ Unique tread compound gives excellent cut resistance and also lower heating-up.
- ◆ The 10km/h load capacity and inflation pressure is for slow speed service with single journey distance up to 76m(250ft.).
- ◆ The 50km/h load capacity and inflation pressure is for haulage service with single journey distance up to 4km(2.5m.).



HK206

All Steel Radial

Radial Giant OTR Tyre E4



Tyre Size	Star Rating	Tread Pattern		Load Index	Tube Type	Rim Size	Inflation Dimensions (mm)		Max Load Capacity (kg)		Inflation Pressure (kPa)		Tread Depth (mm)
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h	
13.00R25	★★★	HK206	E4	163B/182A2	TT	8.50	1301	351	8500	4875	950	700	33
14.00R25	★★	HK206	E4	168B/186A2	TT	10.00	1368	375	9500	5600	800	650	33
	★★★			169B/188A2					10000	5800	950	700	

- ◆ Wider section & bigger pattern lug provides better wear performance.
- ◆ Multi deeper grooves provides better heating release and excellent traction performance.
- ◆ Long servicing life.
- ◆ Available compounds: Heat Resistance(HR); standard(SC); Cut resistance(CR); Ultra cutting Resistance(UCR).



SHRSM

All Steel Radial

Radial OTR Tyre L5S



Tyre Size	Star Rating	Tread Pattern		Load Index	Tube Type	Rim Size	Inflation Dimensions (mm)		Max Load Capacity (kg)		Inflation Pressure (kPa)		Tread Depth (mm)
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h	
17.5R25	★★	SHRSM	L5S	182/167	TBLS	14.00/1.5	1399	445	8500	5450	575	450	76.5
18.00R25	★★	SHRSM	L5S	204/185	TBLS	13.00/2.5	1673	498	16000	9250	825	700	90
23.5R25	★★	SHRSM	L5S	201/185	TBLS	19.50/2.5	1673	597	14500	9250	575	450	83
26.5R25	★★	SHRSM	L5S	209/193	TBLS	22.00/3.0	1798	673	18500	11500	575	450	95
29.5R29	★★	SHRSM	L5S	218/202	TBLS	25.00/3.5	2023	750	23600	15000	575	450	105

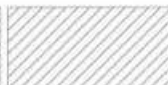
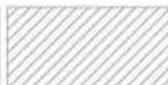
- ◆ Extra deep tread design gives excellent wear performance and also extra long service life.
- ◆ Special compound minimizes the inner heating-up and maximizes cut & chunking resistance.



SHDLS

All Steel Radial

Radial OTR Tyre L5



Tyre Size	Star Rating	Tread Pattern		Load Index	Tube Type	Rim Size	Inflation Dimensions (mm)		Max Load Capacity (kg)		Inflation Pressure (kPa)		Tread Depth (mm)
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h	
20.5R25	★★	SHDLS	L5	193/177	TBLS	17.00/2.0	1548	520	11500	7300	575	450	76.5
23.5R25	★★	SHDLS	L5	201/185	TBLS	19.50/2.5	1673	597	14500	9250	575	450	83
26.5R25	★★	SHDLS	L5	209/193	TBLS	22.00/3.0	1798	673	18500	11500	575	450	90
29.5R25	★★	SHDLS	L5	216/200	TBLS	25.00/3.5	1921	750	22400	14000	575	450	95
35/65R33	★★	SHDLS	L5	223/207	TBLS	28.00/3.5	2077	889	27250	17500	650	475	93

- ◆ Robust carcass design make all application service tyre.
- ◆ Unique sidewall design provides super cut protection.



GIANT ALL STEEL RADIAL OTR TYRE



HK208

All Steel Radial

Radial Giant OTR Tyre E4



Tyre Size	Star Rating	Tread Pattern		Load Index	Tube Type	Rim Size	Inflation Dimensions (mm)		Max Load Capacity (kg)		Inflation Pressure (kPa)		Tread Depth (mm)
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h	
21.00R35	★	HK208	E4	208/190	TBLS	15.00/3.0	2052	572	18000	10600	550	475	55.5
	★★	HK208	E4	219/201					24300	14500	825	700	55.5
24.00R35	★★	HK208	E4	227/209	TBLS	17.00/3.5	2175	653	30750	18500	825	700	58

- ◆ Aggressive tread pattern design provides excellent stability and grip capability.
- ◆ Unique tread compound supplies best abrasion resistance and chunking resistance properties.
- ◆ Super land ratio gives maximum traction performance.



SHGR-V1

All Steel Radial

Radial Giant OTR Tyre E4



Tyre Size	Star Rating	Tread Pattern		Load Index	Tube Type	Rim Size	Inflation Dimensions (mm)		Max Load Capacity (kg)		Inflation Pressure (kPa)		Tread Depth (mm)
		Type	TRA Code				Outer Diameter	Section Width	10km/h	50km/h	10km/h	50km/h	
27.00R49	★★	SHGR-V1	E4	240/223	TL	19.50/4.0	2690	740	45000	27250	800	650	68
33.00R51	★★	SHGR-V1	E4	253/235	TL	24.00/5.0	3030	920	65000	38750	800	650	78
37.00R57	★★	SHGR-V1	E4	261/245	TL	27.00/6.0	3438	1016	82500	51500	825	700	86
40.00R57	★★	SHGR-V1	E4	268/250	TL	29.00/6.0	3594	1097	100000	60000	825	700	86
46/90R57	★★	SHGR-V1	E4	269/252	TL	32.00/6.0	3560	1180	103000	63000	825	700	96

- ◆ Wider section & bigger pattern lug provides better wear performance.
- ◆ Multi deeper grooves provides better heating release and excellent traction performance.
- ◆ Long servicing life.
- ◆ Available compounds: Heat Resistance(HR); standard(SC); Cut resistance(CR); Ultra cutting Resistance(UCR).



BIAS AGRICULTURAL TYRE



SATR-01

Bias Agricultural Tyre



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Load Capacity(kg)	Inflation Pressure (kPa)
		Type	TRA Code				Outer Diameter	Section Width		
15.5/80-24	16	SATR-01	R1	38	W12	TL/TT	1269	394	3250	350
16.9-26	10	SATR-01	R1	43	W15L	TL/TT	1384	429	2430	250
18.4-30	10	SATR-01	R1	43	W16L	TL/TT	1552	467	2900	180
18.4-38	12	SATR-01	R1	43	W16L	TL/TT	1755	467	3750	290
18.4-42	16	SATR-01	R1	43	W16L	TL/TT	1857	467	4375	330
24.5-32	14	SATR-01	R1	45	DW21A	TL/TT	1803	622	4875	250
30.5L-32	16	SATR-01	R1	56	DW27A	TL/TT	1890	775	5370	170
30.5L-32	18	SATR-01	R1	56	DW27A	TL/TT	1890	775	6000	210
800/65-32	20	SATR-01	R1	56	DW27A	TL/TT	1870	800	7750	320
900/60-32	20	SATR-01	R1	56	DW27A	TL/TT	1900	900	9250	320
14.9-24	8	SATR-01	R1	35	W13	TL/TT	1265	378	1800	180
16.9-24	8	SATR-01	R1	35	W15L	TL/TT	1331	430	1950	180

- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.
- ◆ Extended tread pattern nose design, protected carcass like an iron rampart.
- ◆ Good self-cleaning large lug pattern design, provide excellent performance in grip and Skid resistance.
- ◆ Wear puncture-resistant and anti-aging compound to give super long life tires.
- ◆ Apply to agriculture, forestry tractors, harvesters and other logging skider.



SATR-02

Bias Agricultural Tyre



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed 40km/h	Inflation Pressure (kPa)
		Type	TRA Code				Outer Diameter	Section Width		
20.8-42	10	SATR-02	R1	43	18.00	TL	1935	528	3750	190
	14	SATR-02	R1	43	18.00	TL	1935	528	4125	200
	16	SATR-02	R1	43	18.00	TL	1935	528	4500	220

- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.
- ◆ Extended tread pattern nose design, protected carcass like an iron rampart.
- ◆ Good self-cleaning large lug pattern design, provide excellent performance in grip and Skid resistance.
- ◆ Wear puncture-resistant and anti-aging compound to give super long life tires.
- ◆ Apply to agriculture, forestry tractors, harvesters and other logging skider.



SATR-03

Bias Agricultural Tyre



Tyre Size	PR	Tread Pattern		Tread Depth (mm)	Rim Size	Tube Type	Inflated Dimensions (mm)		Load Capacity(kg)	Inflation Pressure (kPa)
		Type	TRA Code				Outer Diameter	Section Width		
7.00-12	6	SATR-03	R1	19	7.00/5.00	TL/TT	690	220	690	250

- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.
- ◆ Extended tread pattern nose design, protected carcass like an iron rampart.
- ◆ Good self-cleaning large lug pattern design, provide excellent performance in grip and Skid resistance.
- ◆ Wear puncture-resistant and anti-aging compound to give super long life tires.



SAI-01

Bias IMP Tyre

Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	30km/h	40km/h	
400/60-15.5IMP	14	SAI-01	I-3	AG13.00	TL	868	405	2900	2180	360
400/60-15.5IMP	16	SAI-01	—	AG13.00	TL	868	405	3650	3250	490
400/60-15.5IMP	18	SAI-01	—	AG13.00	TL	868	405	3870	3450	620

- ◆ Wear puncture-resistant and anti-aging compound to supply super long servicing life.
- ◆ Multi tread pattern design, supply well appearance and driving performance.
- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.



SAI-02

Bias IMP Tyre

Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	30km/h	40km/h	
500/50-17IMP	18	SAI-02	I-3	AG16.00	TL	950	500	4500	4125	480
400/60-22.5IMP	16	SAI-02	I-3	AG13.00	TL	1070	400	4000	2800	350
400/60-22.5IMP	18	SAI-02	I-3	AG13.00	TL	1070	400	4500	3150	430
500/60-22.5IMP	16	SAI-02	I-3	AG16.00	TL	1170	500	4875	3450	320
500/60-22.5IMP	18	SAI-02	I-3	AG16.00	TL	1170	500	5150	3650	360
550/60-22.5	16	SAI-02	I-3	AG16.00	TL	1238	550	5450	3750	280
600/50-22.5	16	SAI-02	I-3	AG20.00	TL	1170	576	5150	3650	260
600/50-22.5	20	SAI-02	I-3	AG20.00	TL	1170	576	7150	5150	325
700/40-22.5	16	SAI-02	I-3	AG24.00	TL	1180	710	5300	3750	220
600/55-26.5	16	SAI-02	I-3	AG20.00	TL	1333	591	6000	4375	260
700/50-26.5	16	SAI-02	I-3	AG24.00	TL	1333	700	6700	4750	240
800/45-26.5	16	SAI-02	I-3	AG28.00	TL	1333	800	7300	5000	220
650/65-30.5	16	SAI-02	I-3	AG20.00	TL	1670	650	7750	5450	220
850/50-30.5	16	SAI-02	I-3	AG28.00	TL	1670	850	9500	6700	220

- ◆ Wear puncture-resistant and anti-aging compound to supply super long servicing life.
- ◆ Multi tread pattern design, supply well appearance and driving performance.
- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.



SAI-04

Bias IMP Tyre

Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	30km/h	40km/h	
400/60-15.5IMP	14	SAI-04	I-3	AG13.00	TL	875	405	2900	2180	360
400/60-15.5IMP	16	SAI-04	I-3	AG13.00	TL	875	405	3250	2725	450
400/60-15.5IMP	18	SAI-04	I-3	AG13.00	TL	875	405	3650	3250	520

- ◆ Wear puncture-resistant and anti-aging compound to supply super long servicing life.
- ◆ Multi tread pattern design, supply well appearance and driving performance.
- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.



SAI-05

Bias IMP Tyre

Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	30km/h	40km/h	
14.0/65-16IMP	14	SAI-05	I-3	AG11.00	TL	860	360	3150	2240	400
15.0/55-17IMP	12	SAI-05	I-3	AG13.00	TL	840	390	2360	1650	280
15.0/55-17IMP	14	SAI-05	I-3	AG13.00	TL	840	390	2650	1850	330
15.0/55-17IMP	18	SAI-05	I-3	AG13.00	TL	840	390	3250	2300	420
15.0/55-17IMP	26	SAI-05	I-3	AG13.00	TL	840	390	3075	4500	600
500/50-17IMP	14	SAI-05	I-3	AG16.00	TL	950	500	3550	3875	400
500/50-17IMP	18	SAI-05	I-3	AG16.00	TL	950	500	4125	4500	480

- ◆ Wear puncture-resistant and anti-aging compound to supply super long servicing life.
- ◆ Multi tread pattern design, supply well appearance and driving performance.
- ◆ Designed in super strength carcass, provide high-load operation protection in all-weather.



SAI-06

Bias IMP Tyre

Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	30km/h	40km/h	
6.00-16	8	BTR	I-1	4.5	TT	739	164	–	670	450
7.50-16	8	BTR	I-1	5.5	TT	808	203	–	775	375

- ◆ Low profile tube type high flotation front/implement tyres with broad load distribution offers the highest quality and durability.



SAF-01

Tyre Size	PR	Tread Pattern		Rim Size	Tube Type	Inflated Dimensions (mm)		Max Load(kg) versus Speed		Inflation Pressure (kPa)
		Type	TRA Code			Outer Diameter	Section Width	30km/h	40km/h	
9.00-16	10	SAF-01	F-2	6	TL	825	234	–	1450	350
11.00-16	12	SAF-01	F-2	8	TL	927	295	–	2120	350

◆ Good traction in the field and on the road.



RADIAL AGRICULTURAL TYRE



RADIAL SRA-108

Radial AG Tyre R1/LS

- ◆ Designed in special radial tyre ply cord, dimensional stability, low heat-up performance, providing mini-low-carbon economy solutions for the four-wheel drive, high horsepower tractors and combine.
- ◆ Extended tread pattern nose design, protected carcass like an iron rampart.
- ◆ Good self-cleaning large lug pattern design, provide excellent traction performance in grip and skid resistance.
- ◆ Wear puncture-resistant and anti-aging compound to provide super long servicing life.
- ◆ Apply to agriculture, forestry tractors, harvesters and other logging skidder.

Tyre Size	Tread Pattern		Load Index	Rim Size	Tube Type	Inflated Dimensions (mm)		Load Capacity(kg)	Speed Symbol	Inflation Pressure (kPa)
	Type	TRA Code				Outer Diameter	Section Width			
900/60R32	SRA-108	R1	178	Dw28	TL/TT	1900	900	7500	A8	240
900/60R32	SRA-108	R1	181	DW28	TL/TT	1900	900	8250	A8	320
800/65R32	SRA-108	R1	167	DW27A	TL/TT	1853	798	5450	A8	160
540/65R34	SRA-108	R1	140	W18L	TL/TT	1566	550	2500	A8	120
540/65R34	SRA-108	R1	145	W18L	TL/TT	1566	550	2900	A8	160
540/65R34	SRA-108	R1	152	W18L	TL/TT	1566	550	3550	A8	240
650/65R42	SRA-108	R1	158	DW20B	TL/TT	1913	645	4250	A8	160
650/65R42	SRA-108	R1	165	DW20B	TL/TT	1913	645	5150	A8	240
650/65R42	SRA-108	R1	170	DW20B	TL/TT	1913	645	6000	A8	320
380/70R24	SRA-108	R1	130	W12	TL/TT	1190	380	1900	A8	240
420/70R24	SRA-108	R1	130	W13	TL/TT	1248	418	1900	A8	160
480/70R30	SRA-108	R1	147	W15L	TL/TT	1478	479	3075	A8	240
480/70R34	SRA-108	R1	143	W15L	TL/TT	1580	479	2725	A8	160
480/70R34	SRA-108	R1	146	W15L	TL/TT	1580	479	3000	A8	160
480/70R34	SRA-108	R1	155	W15L	TL/TT	1580	479	3875	A8	240
520/70R38	SRA-108	R1	150	W16L	TL/TT	1749	516	3350	A8	160
710/70R38	SRA-108	R1	179	23.00	TL/TT	1950	741	7750	A8	160
710/70R42	SRA-108	R1	179	23.00	TL/TT	2079	743	7750	A8	320
620/70R42	SRA-108	R1	166	DW20B	TL/TT	1980	610	5300	A8	240
480/80R42	SRA-108	R1	151	DW15A	TL/TT	1835	479	3450	A8	160
480/80R46	SRA-108	R1	158	DW15A	TL/TT	1936	479	4250	A8	240
480/80R50	SRA-108	R1	170	DW15A	TL/TT	2056	474	6000	A8	240
280/85R24	SRA-108	R1	115	W9	TL/TT	1086	282	1215	A8	160
320/85R24	SRA-108	R1	122	W10	TL/TT	1154	319	1500	A8	160
340/85R24	SRA-108	R1	125	W11	TL/TT	1188	343	1650	A8	160
380/85R24	SRA-108	R1	131	W12	TL/TT	1256	380	1950	A8	160
420/85R24	SRA-108	R1	137	W13	TL/TT	1324	418	2300	A8	160
280/85R28	SRA-108	R1	118	W9	TL/TT	1187	282	1320	A8	160
320/85R28	SRA-108	R1	124	W10	TL/TT	1255	319	1600	A8	160
340/85R28	SRA-108	R1	127	W11	TL/TT	1289	343	1750	A8	160
380/85R28	SRA-108	R1	133	W12	TL/TT	1357	380	2060	A8	160
420/85R28	SRA-108	R1	139	W13	TL/TT	1425	418	2430	A8	160
380/85R30	SRA-108	R1	135	W12	TL/TT	1408	380	2180	A8	160
420/85R30	SRA-108	R1	140	W13	TL/TT	1475	418	2500	A8	160
460/85R30	SRA-108	R1	145	W14L	TL/TT	1544	455	2900	A8	160
420/85R34	SRA-108	R1	142	W13	TL/TT	1578	418	2650	A8	160
460/85R34	SRA-108	R1	147	W14L	TL/TT	1646	455	3075	A8	160
340/85R38	SRA-108	R1	133	W11	TL/TT	1543	343	2060	A8	160
380/85R38	SRA-108	R1	139	W12	TL/TT	1611	380	2430	A8	160
420/85R38	SRA-108	R1	144	W13	TL/TT	1679	418	2800	A8	160
460/85R38	SRA-108	R1	149	W14L	TL/TT	1747	455	3250	A8	160
520/85R38	SRA-108	R1	155	DW16L	TL/TT	1849	516	3875	A8	160
650/85R38	SRA-108	R1	176	DW20B	TL/TT	2071	645	7100	A8	240
460/85R42	SRA-108	R1	150	W14L	TL/TT	1849	455	3350	A8	160
520/85R42	SRA-108	R1	162	DW16L	TL/TT	1951	516	5150	A8	240

CONVERSION TABLE: STAR RATING TO PLY RATING

Service Tyre Size	Star Rating	Corresponding	Ply Rating
Grader	14.00R24	★	up to 16
	16.00R24	★	up to 16
	17.5R25	★	up to 16
Earthmover	12.00R24	★★★	up to 24
	14.00R24	★★★	up to 32
	14.00R25	★★★	up to 32
	16.00R25	★★	up to 36
	18.00R25	★	up to 24
	18.00R25	★★	up to 36
	18.00R33	★★	up to 40
	21.00R33	★★	up to 36
	21.00R35	★★	up to 44
	24.00R35	★★	up to 48
	24.00R49	★★	up to 48
	27.00R49	★★	up to 54
	30.00R51	★★	up to 58
	33.00R51	★★	up to 64
	36.00R51	★★	up to 66
	40.00R57	★★	up to 74
	17.5R25	★	up to 16
	20.5R25	★	up to 24
		★★	up to 28
	25/65R25	★★	up to 32
23.5R25	★	up to 24	
	★★	up to 32	

* MULTIPLE STAR RATING

Type of Service	Star Rating	Inflation Pressure	Load (Load Index)	Speed (Speed Symbol)
Loader	★(one star)	500kPa	15,000kgs (202)	10km/hour (A2)
Earthmover	★★(two star)	525kPa	11,500kgs (190)	50km/hour (B)

Radial tyre which marked with "LOADER & DOZER ★(one star)"and"EARTHMOVER★★(two star)" have specified load capacity on each servicing condition. Strength of tyre casing is designed to constrain inflation pressure used.

<26.5R25 as an example>

Remark:

Due to the continuous improvement of tyre technology, the content of this manual are subject to change without further notice.

Service Tyre Size	Star Rating	Corresponding	Ply Rating
Earthmover	26.5R25	★★	up to 32
	29.5R25	★★	up to 34
	29.5R29	★★	up to 40
	33.25R29	★★	up to 44
	37.5R33	★★	up to 48
	33.25R35	★★	up to 44
	37.25R35	★★	up to 48
	37.5R39	★★	up to 52
Loader		★★	up to 54
	15.5R25	★	up to 16
	17.5R25	★	up to 16
	20.5R25	★	up to 24
		★★	up to 28
	23.5R25	★	up to 24
		★★	up to 32
	26.5R25	★	up to 24
		★★	up to 36
	29.5R25	★	up to 28
		★★	up to 34
	29.5R29	★	up to 34
	35/65R33	★	up to 36
	45/65R45	★	up to 50

SIZE CONVERSION TABLE

Metric	Inch
385/95R24,25	14.00R24,25
445/95R24,25	16.00R24,25
445/80R25	17.5R25
505/95R25	18.00R25
525/80R25	20.5R25
750/65R25	30/65R25

CONVERSION TABLE: STAR RATING TO PLY RATING

Service Tyre Size	Star Rating	Corresponding	Ply Rating
Grader	14.00R24	★	up to 16
	16.00R24	★	up to 16
	17.5R25	★	up to 16
Earthmover	12.00R24	★★★	up to 24
	14.00R24	★★★★	up to 32
	14.00R25	★★★★	up to 32
	16.00R25	★★	up to 36
	18.00R25	★	up to 24
	18.00R25	★★	up to 36
	18.00R33	★★	up to 40
	21.00R33	★★	up to 36
	21.00R35	★★	up to 44
	24.00R35	★★	up to 48
	24.00R49	★★	up to 48
	27.00R49	★★	up to 54
	30.00R51	★★	up to 58
	33.00R51	★★	up to 64
	36.00R51	★★	up to 66
	40.00R57	★★	up to 74
	17.5R25	★	up to 16
	20.5R25	★	up to 24
		★★	up to 28
	25/65R25	★★	up to 32
	23.5R25	★	up to 24
		★★	up to 32

Service Tyre Size	Star Rating	Corresponding	Ply Rating
Earthmover	26.5R25	★★	up to 32
	29.5R25	★★	up to 34
	29.5R29	★★	up to 40
	33.25R29	★★	up to 44
	37.5R33	★★	up to 48
	33.25R35	★★	up to 44
	37.25R35	★★	up to 48
	37.5R39	★★	up to 52
		★★	up to 54
	15.5R25	★	up to 16
Loader	17.5R25	★	up to 16
		★	up to 24
	20.5R25	★★	up to 28
	23.5R25	★	up to 24
		★★	up to 32
	26.5R25	★	up to 24
		★★	up to 36
	29.5R25	★	up to 28
		★★	up to 34
	29.5R29	★	up to 34
	35/65R33	★	up to 36
	45/65R45	★	up to 50

*** MULTIPLE STAR RATING**

Type of Service	Star Rating	Inflation Pressure	Load (Load Index)	Speed (Speed Symbol)
Loader	★(one star)	500kPa	15,000kgs (202)	10km/hour (A2)
Earthmover	★★(two star)	525kPa	11,500kgs (190)	50km/hour (B)

Radial tyre which marked with "LOADER & DOZER ★(one star)" and "EARTHMOVER★★(two star)" have specified load capacity on each servicing condition. Strength of tyre casing is designed to constrain inflation pressure used.

<26.5R25 as an example>

SIZE CONVERSION TABLE

Metric	Inch
385/95R24,25	14.00R24,25
445/95R24,25	16.00R24,25
445/80R25	17.5R25
505/95R25	18.00R25
525/80R25	20.5R25
750/65R25	30/65R25

Remark:

Due to the continuous improvement of tyre technology, the content of this manual are subject to change without further notice.

Inflation Pressure(kg/cm² to lbs/in²)

kg/cm ²	lbs/in ²	kg/cm ²	lbs/in ²	kg/cm ²	lbs/in ²	kg/cm ²	lbs/in ²
0.1	1	2.6	37	5.1	72	7.6	108
0.2	3	2.7	38	5.2	74	7.7	109
0.3	4	2.8	40	5.3	75	7.8	111
0.4	6	2.9	41	5.4	77	7.9	112
0.5	7	3.0	43	5.5	78	8.0	114
0.6	9	3.1	44	5.6	80	8.1	115
0.7	10	3.2	45	5.7	81	8.2	116
0.8	11	3.3	47	5.8	82	8.3	118
0.9	13	3.4	48	5.9	84	8.4	119
1.0	14	3.5	50	6.0	85	8.5	121
1.1	16	3.6	51	6.1	87	8.6	122
1.2	17	3.7	53	6.2	88	8.7	124
1.3	18	3.8	54	6.3	89	8.8	125
1.4	20	3.9	55	6.4	91	8.9	126
1.5	21	4.0	57	6.5	92	9.0	128
1.6	23	4.1	58	6.6	94	9.1	129
1.7	24	4.2	60	6.7	95	9.2	131
1.8	26	4.3	61	6.8	97	9.3	132
1.9	27	4.4	62	6.9	98	9.4	133
2.0	28	4.5	64	7.0	99	9.5	135
2.1	30	4.6	65	7.1	101	9.6	136
2.2	31	4.7	67	7.2	102	9.7	138
2.3	33	4.8	68	7.3	104	9.8	139
2.4	34	4.9	70	7.4	105	9.9	141
2.5	36	5.0	71	7.5	107	10.0	142

Temperature(Centigrade to Fahrenheit)

°C	°F	°C	°F	°C	°F	°C	°F
-19	-2.2	+24	+75.2	+67	+152.6	+110	+230.0
-18	-0.4	25	77.0	68	154.4	111	231.8
-17	+1.4	26	78.8	69	156.2	112	233.6
-16	3.2	27	80.6	70	158.0	113	235.4
-15	5.0	28	82.4	71	159.8	114	237.2
-14	6.8	29	84.2	72	161.6	115	239.0
-13	8.6	30	86.0	73	163.4	116	240.8
-12	10.4	31	87.8	74	165.2	117	242.6
-11	12.2	32	89.6	75	167.0	118	244.4
-10	14.0	33	91.4	76	168.8	119	246.2
-9	15.8	34	93.2	77	170.6	120	248.0
-8	17.6	35	95.0	78	172.4	121	249.8
-7	19.4	36	96.8	79	174.2	122	251.6
-6	21.2	37	98.6	80	176.0	123	253.4
-5	23.0	38	100.4	81	177.8	124	255.2
-4	24.8	39	102.2	82	179.6	125	257.0
-3	26.6	40	104.0	83	181.4	126	258.8
-2	28.4	41	105.8	84	183.2	127	260.6
-1	30.2	42	107.6	85	185.0	128	262.4
0	32.0	43	109.4	86	186.8	129	264.2
+1	33.8	44	111.2	87	188.6	130	266.0
2	35.6	45	113.0	88	190.4	131	267.8
3	37.5	46	114.8	89	192.2	132	269.6
4	39.2	47	116.6	90	194.0	133	271.4
5	41.0	48	118.4	91	195.8	134	273.2
6	42.8	49	120.2	92	197.6	135	275.0
7	44.6	50	122.0	93	199.4	136	276.8
8	46.8	51	123.8	94	201.2	137	268.6
9	48.2	52	125.6	95	203.0	138	280.4
10	50.0	53	126.4	96	204.8	139	282.2
11	51.8	54	129.2	97	206.6	140	284.0
12	53.6	55	131.0	98	208.4	141	285.8
13	55.4	56	132.8	99	210.2	142	287.6
14	57.2	57	134.6	100	212.0	143	289.4
15	59.0	58	136.4	101	213.8	144	291.2
16	60.8	59	138.2	102	215.6	145	293.0
17	62.6	60	140.0	103	217.4	146	294.8
18	64.4	61	141.8	104	219.2	147	296.6
19	66.2	62	143.6	105	221.0	148	298.4
20	68.0	63	145.4	106	222.8	149	300.2
21	69.8	64	147.2	107	224.6	150	302.0
22	71.6	65	149.0	108	226.4		
23	73.4	66	150.8	109	228.2		

Millimeters to inches

mm	in/32	mm	in/32	mm	in/32	mm	in/32
1	1	19	24	37	47	75	95
2	3	20	25	38	48	80	101
3	4	21	27	39	49	85	107
4	5	22	28	40	50	90	113
5	6	23	29	41	52	95	120
6	8	24	30	42	53	100	126
7	9	25	32	43	54	105	132
8	10	26	33	44	55	110	139
9	11	27	34	45	57	115	145
10	13	28	35	46	58	120	151
11	14	29	37	47	59	125	158
12	15	30	38	48	61	130	164
13	16	31	39	49	62	135	170
14	18	32	40	50	63	140	176
15	19	33	42	55	69	145	183
16	20	34	43	60	76	150	189
17	21	35	44	65	82		
18	23	36	45	70	88		

Standard(UK,US,etc)to Metric

mph	kph	mph	kph	mph	kph	mph	kph
0.62	1	16.16	26	31.70	51	47.23	76
1.24	2	16.78	27	32.32	52	47.86	77
1.86	3	17.40	28	32.94	53	48.48	78
2.49	4	18.02	29	33.56	54	49.10	79
3.11	5	18.65	30	34.18	55	49.72	80
3.73	6	19.27	31	34.80	56	50.34	81
4.35	7	19.89	32	35.43	57	50.96	82
4.97	8	20.51	33	36.05	58	51.58	83
5.59	9	21.13	34	36.67	59	52.21	84
6.22	10	21.75	35	37.29	60	52.83	85
6.84	11	22.37	36	37.91	61	53.45	86
7.46	12	23.00	37	38.53	62	54.07	87
8.08	13	23.62	38	39.15	63	54.69	88
8.70	14	24.24	39	39.78	64	55.31	89
9.32	15	24.86	40	40.40	65	55.94	90
9.94	16	25.48	41	41.02	66	56.56	91
10.57	17	25.10	42	41.64	67	57.18	92
11.19	18	26.72	43	42.26	68	57.80	93
11.81	19	27.35	44	42.88	69	58.42	94
12.43	20	27.97	45	43.51	70	59.04	95
13.05	21	28.59	46	44.13	71	59.66	96
13.67	22	29.21	47	44.75	72	60.29	97
14.29	23	29.83	48	45.37	73	60.91	98
14.92	24	30.45	49	45.99	74	61.53	99
15.54	25	31.08	50	46.61	75	62.15	100

1 mile=1,760 yds 1 yd=3 ft 1 ft=12 in 1 sq mile=640 acres
 1 acre=43,560 sq ft 1 sq ft=144 sq in 1 cu ft=7.48 gal 1 gal=231 cu in=4 quarts liq
 1 quart=32 fl oz 1 fl oz=1.80 cu in 1 sh ton=2,000 lbs 1 lg ton=2,240 lbs
 1 lb=16 oz, avdp. 1 BTU=778 ft lb=0.000393 HPH=0.000293 KWH
 1 HP=550 ft lb/sec 1 atmosp=14.7 psi

Inches to Millimeters

mm	in/32	mm	in/32	mm	in/32	mm	in/32
1	0.8	21	16.7	41	32.5	105	83.3
2	1.6	22	17.5	42	33.3	110	87.3
3	2.4	23	18.3	43	34.1	115	91.3
4	3.2	24	19.1	44	34.9	120	95.3
5	4.0	25	19.8	45	35.7	125	99.2
6	4.8	26	20.6	46	36.5	130	103.2
7	5.6	27	21.4	47	37.3	135	107.2
8	6.4	28	22.2	48	38.1	140	111.1
9	7.1	29	23.0	49	38.9	145	115.1
10	8.0	30	23.8	50	39.7	150	119.1
11	8.7	31	24.6	55	43.7	155	123.0
12	9.5	32	25.4	60	47.6	160	127.0
13	10.3	33	26.2	65	51.6	165	131.0
14	11.1	34	27.0	70	55.6	170	134.9
15	11.9	35	27.8	75	59.5	175	138.9
16	12.7	36	28.6	80	63.5	180	142.9
17	13.5	37	29.4	85	67.5	185	146.9
18	14.3	38	30.2	90	71.4	190	150.8
19	15.1	39	31.0	95	75.4	195	154.8
20	15.9	40	31.8	100	79.4	200	158.8

Metric to Standard(UK,US,etc)

MULTIPLY METRIC UNIT	BY	TO OBTAIN ENGLISH UNIT
Kilometer (km)	0.6214	mile
Meter (m)	1.0936	yard
Centimeter (cm)	0.0328	foot
Millimeter (mm)	0.03937	inch
Square Kilometer (km ²)	0.3861	square mile
Hectare (Ha)	2.471	acre
Square meter (m ²)	10.76	square foot
Square centimeter (cm ²)	0.1550	square inch
Cubic meter (m ³)	1.308	cubic yard
kilograms/cubic meter (kg/m ³)	1.686	pounds/cubic yard
Liter (l or ltr.)	0.2642	gallon (US)
Imperial gallon	1.20	US gallon
Kilometer per hour (kph)	0.621	MPH
Liter (l or ltr.)	61.02	cubic inch
Cubic centimeter (cm ³)	0.0338	fluid ounce
Metric tonne (t)	0.984	long ton
Metric tonne (t)	1.102	short ton
Kilogram (kg)	2.205	pound, avdp.
Gram (g or gr.)	0.0353	ounce, avdp.
Calorie, kilo (C or Cal.)	3.968	BTU
Kilogram-meter (kgm)	7.233	foot-pound
Meter-kilogram (m-kg)	7.233	pound-foot
Metric horsepower (CV)	0.9863	HP
kg/square centimeter (kgs./cm ²)	13.225	pounds/square inch
kilopascal (kPa)	0.14503	pounds/square inch

1 km=1,000 m 1 m=100 cm 1 cm=10 mm 1 km²=100 Ha
 1 Ha=10,000 m² 1 m²=10,000 cm² 1 cm²=100 mm² 1 m³=1,000 liters
 1 liter=1,000 cm³ 1 metric ton=1,000 kg 1 quintal=100 kg 1 kg=1,000 g
 1 Cal=427 kgm=0.0016 CVH=0.00116 KWH 1 kg/cm²=98.066 kPa
 Torque unit: 1 CV=75 kgm/sec 1 kg/cm²=0.97 atmosph 1 bar=100 kPa

Kilograms to Pounds

kg	lbs	kg	lbs	kg	lbs	kg	lbs
1	2	130	287	600	1323	2500	5512
5	11	140	309	650	1433	2600	5732
10	22	150	331	700	1543	2700	5952
15	33	160	353	750	1654	2800	6173
20	44	170	375	800	1764	2900	6393
25	55	180	397	850	1874	3000	6614
30	66	190	419	900	1984	3500	7716
35	77	200	441	950	2094	4000	8818
40	88	210	463	1000	2205	4500	9921
45	99	220	485	1100	2425	5000	11023
50	110	230	507	1200	2646	5500	12125
55	121	240	529	1300	2866	6000	13228
60	132	250	551	1400	3086	6500	14330
65	143	260	573	1500	3307	7000	15432
70	154	270	595	1600	3527	7500	16535
75	165	280	617	1700	3748	8000	17637
80	176	290	639	1800	3968	8500	18739
85	187	300	661	1900	4189	9000	19841
90	198	350	772	2000	4409	9500	20944
95	209	400	882	2100	4630	10000	22046
100	221	450	992	2200	4850		
110	243	500	1102	2300	5071		
120	265	550	1213	2400	5291		

Kilometers per Hour to Miles per Hour

mph	kph	mph	kph	mph	kph	mph	kph
0.62	1	16.16	26	31.70	51	47.23	76
1.24	2	16.78	27	32.32	52	47.86	77
1.86	3	17.40	28	32.94	53	48.48	78
2.49	4	18.02	29	33.56	54	49.10	79
3.11	5	18.65	30	34.18	55	49.72	80
3.73	6	19.27	31	34.80	56	50.34	81
4.35	7	19.89	32	35.43	57	50.96	82
4.97	8	20.51	33	36.05	58	51.58	83
5.59	9	21.13	34	36.67	59	52.21	84
6.22	10	21.75	35	37.29	60	52.83	85
6.84	11	22.37	36	37.91	61	53.45	86
7.46	12	23.00	37	38.53	62	54.07	87
8.08	13	23.62	38	39.15	63	54.69	88
8.70	14	24.24	39	39.78	64	55.31	89
9.32	15	24.86	40	40.40	65	55.94	90
9.94	16	25.48	41	41.02	66	56.56	91
10.57	17	26.10	42	41.64	67	57.18	92
11.19	18	26.72	43	42.26	68	57.80	93
11.81	19	27.35	44	42.88	69	58.42	94
12.43	20	27.97	45	43.51	70	59.04	95
13.05	21	28.59	46	44.13	71	59.66	96
13.67	22	29.21	47	44.75	72	60.29	97
14.29	23	29.83	48	45.37	73	60.91	98
14.92	24	30.45	49	45.99	74	61.53	99
15.54	25	31.08	50	46.61	75	62.15	100

Pounds to Kilograms

lbs	kg	lbs	kg	lbs	kg	lbs	kg
1	0.5	260	117.9	1200	544.3	5000	2268.0
10	4.5	280	127.0	1300	589.7	5200	2358.7
20	9.1	300	136.1	1400	635.0	5400	2449.4
30	13.6	320	145.2	1500	680.4	5600	2540.2
40	18.1	340	154.2	1600	725.8	5800	2630.9
50	22.7	360	163.3	1700	771.1	6000	2721.6
60	27.2	380	172.4	1800	816.5	7000	3175.2
70	31.8	400	181.4	1900	861.8	8000	3628.8
80	36.3	420	190.5	2000	907.2	9000	4082.4
90	40.8	440	199.6	2200	997.9	10000	4536.0
100	45.4	460	208.7	2400	1088.6	11000	4989.6
110	49.9	480	217.7	2600	1179.4	12000	5443.2
120	54.4	500	226.8	2800	1270.1	13000	5896.8
130	59.0	520	235.9	3000	1360.8	14000	6350.4
140	63.5	540	244.9	3200	1451.5	15000	6804.0
150	68.0	560	254.0	3400	1542.2	16000	7257.6
160	72.6	580	263.1	3600	1633.0	17000	7711.2
170	77.1	600	272.2	3800	1723.7	18000	8164.8
180	81.6	700	317.5	4000	1814.4	19000	8618.4
190	86.2	800	362.9	4200	1905.1	20000	9072.0
200	90.7	900	408.2	4400	1995.8		
220	99.8	1000	453.6	4600	2086.6		
240	108.9	1100	499.0	4800	2177.3		

Miles per Hour to Kilometer per Hour

mph	kph	mph	kph	mph	kph	mph	kph
1	1.61	14	22.53	27	43.44	40	64.36
2	3.22	15	24.14	28	45.05	41	65.97
3	4.83	16	25.74	29	46.66	42	67.58
4	6.44	17	27.35	30	48.27	43	69.19
5	8.05	18	28.96	31	49.88	44	70.80
6	9.66	19	30.57	32	51.49	45	72.41
7	11.26	20	32.18	33	53.10	46	74.01
8	12.87	21	33.79	34	54.71	47	75.62
9	14.48	22	35.40	35	56.32	48	77.23
10	16.09	23	37.01	36	57.92	49	78.84
11	17.70	24	38.62	37	59.53	50	80.45
12	19.31	25	40.23	38	61.14		
13	20.92	26	41.83	39	62.75		

SUPERHAWK

SUPERHAWK CHILE S.P.A.

Filial de Shandong Hawk International Rubber Industry Co., Ltd