ORNATE

VOLEX OTR

PRODUCT MANUAL



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VOLEX

Tires Engineered for Perfection

a special brand of whole series OTR tyres, Included OTR, IND, and FORKLIFT.



C-7
E-3/G-1
E-3/G-3
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L-5S



VOLEX brand is highly popular worldwide

Volex

Applicable Operation Conditions
Civil construction, Gravel road etc

Product Introductions
Horizontal block pattern, wide tread design providing good traction and wear resistance, with cut resistance.
Suitable for use in steel mills, and construction sites, with good cut resistance and long service life.



E-3/L-3

Loader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth (mm)	Section Width (mm)	Overall Diameter (mm)	Max. Load (Kg)	Pressure (KPa)	Speed Index km/h	TT/TL
7.50-16	6.00G	8	20	215	810	1900	500	10	TT/TL
8.25-16	6.50H	10	20	235	865	1800	550	10	TT/TL
12.00-16	8.5	10	20	315	1020	1245	390	10/50	TT/TL
14/90-16	8.5H	10	16	215	896	1200	270	10/50	TT/TL
14.00-24	10.00/2.0	16	24	375	1370	7300/4000	550/375	10/50	TT/TL
15.5-25	12.00/1.3	16	24	395	1275	6500/3750	525/325	10/50	TT/TL
16.00-24	11.25/2.0	16	26	430	1495	8250/4875	425/325	10/50	TT/TL
16.00-25	11.25/2.0	28	28	430	1495	11500/6700	750/575	10/50	TT/TL
16/70-20	13(SDC)	14	25	410	1075	5150/2900	450/350	10/50	TT/TL
16/70-20	13(SDC)	18	25	410	1075	5800/3350	550/450	10/50	TT/TL
16/70-24	13(SDC)	14	25	410	1175	5600/3350	450/350	10/50	TT/TL
16/70-24	13(SDC)	18	25	410	1175	6300/3880	550/450	10/50	TT/TL
17.5-25	14.00/1.5	16	25	445	1350	7300/4250	475/300	10/50	TT/TL
17.5-25	14.00/1.5	20	25	445	1350	8250/5000	575/400	10/50	TT/TL
18.00-25	13.00/2.5	36	28	500	1615	16000/9250	850/625	10/50	TT/TL
20.5-25	17.00/2.0	20	29	520	1490	9500/6000	450/325	10/50	TT/TL
20.5/70-16	10.00G	12	25	480	1070	2185/1890	300/250	10/50	TT/TL
23.5-25	19.50/2.5	20	31	595	1615	10900/7300	375/300	10/50	TT/TL
26.5-25	22.00/3.0	24	35	675	1750	14000/9250	400/300	10/50	TT/TL
29.5-25	25.00/3.5	28	36	750	1875	17500/11500	425/325	10/50	TT/TL

OFF THE ROAD TYRE

Applicable Operation Conditions
Civil construction, Gravel road, mining operations etc

Product Introductions
Horizontal block pattern, wide tread design, providing good traction and wear resistance, with cut resistance.
Suitable for use in mines, steel mills, and construction sites with good cut resistance and long service life.



E-3/L-3

Loader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth (mm)	Section Width (mm)	Overall Diameter (mm)	Max. Load (Kg)	Pressure (KPa)	Speed Index km/h	TT/TL
17.5-25	14.00/1.5	24	25	445	1350	9250/5600	700/475	10/50	TT/TL
20.5-25	17.00/2.0	24	29	520	1490	10300/6700	525/400	10/50	TT/TL
23.5-25	19.50/2.5	24	31	595	1615	12500/8000	475/350	10/50	TT/TL
26.5-25	22.00/3.0	28	35	675	1750	15500/10000	475/350	10/50	TT/TL
29.5-25	25.00/3.5	32	36	750	1875	19250/13000	500/400	10/50	TT/TL
14.00-24	10.00/2.0	28	24	375	1370	10000/5600	925/650	10/50	TT/TL
16.00-25	11.25/2.0	32	28	430	1495	12500/7300	875/650	10/50	TT/TL
18.00-25	13.00/2.5	40	28	500	1615	17000/9750	950/700	10/50	TT/TL
18.00-25	13.00/2.5	44	28	500	1615	18000/10300	1050/775	10/50	TT/TL

Volex

Applicable Operation Conditions
Civil construction, Gravel road etc

Product Introductions
The large-pattern design offers excellent grip and extraordinary traction. The tire tread has its good flexibility, resistance to cut and puncture,which is suitable for road maintenance or construction site operation.





L-3NEW

Loader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
17.5-25	14.00/1.5	16	25	445	1350	7300/4250	475/300	10/50	TL/TT
17.5-25	14.00/1.5	20	25	445	1350	8250/5000	575/400	10/50	TL/TT
20.5-25	17.00/2.0	16	29	520	1490	8250/5450	350/275	10/50	TL/TT
20.5-25	17.00/2.0	20	29	520	1490	9500/6000	450/325	10/50	TL/TT
23.5-25	19.50/2.5	16	31	595	1615	9500/6150	300/225	10/50	TL/TT
23.5-25	19.50/2.5	20	31	595	1615	10900/7300	375/300	10/50	TL/TT
16/70-20	13(SDC)	14	25	410	1075	5150/2900	450/350	10/50	TL/TT
16/70-20	13(SDC)	18	25	410	1075	5800/3350	550/450	10/50	TL/TT
20.5/70-16	10.00G	12	25	480	1075	2185/1890	300/250	10/50	TL/TT
26.5-25	22.00/3.0	24	35	675	1750	14000/9250	400/300	10/50	TL/TT

OFF THE ROAD TYRE

Applicable Operation Conditions
Civil construction, Gravel road etc

Product Introductions
The large-pattern design offers excellent grip and extraordinary traction. The tread has good flexibility resistance to cut and puncture,which is suitable for complex surfaces such as mines and construction sites.



L-3NEW

Loader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
17.5-25	14.00/1.5	24	25	445	1350	9250/5600	700/475	10/50	TT/TL
20.5-25	17.00/2.0	24	29	520	1490	10300/6700	525/400	10/50	TT/TL
23.5-25	19.50/2.5	24	31	595	1615	12500/8000	475/350	10/50	TT/TL
26.5-25	22.00/3.0	28	35	675	1750	15500/10000	475/350	10/50	TT/TL

Volex

OFF THE ROAD TYRE

Applicable Operation Conditions
Loading operations

Product Introductions
The large outline design enhances the tire's load-bearing capacity.
The deepened pattern design extends the tire's service life.
The tread block design improves the tire's cut resistance.



L-5



Wheel Loader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
20. 5/70-16	10. 00G	14	46	356	955	1600	350	10	TT
16/70-20	13 (SDC)	14	50	410	1090	5150/2900	450/350	10/50	TT
17. 5-25	14. 00/1. 5	20	60	445	1400	8250/5000	575/400	10/50	TL
20. 5-25	17. 00/2. 0	20	66	520	1550	9500/6000	450/325	10/50	TL
23. 5-25	19. 50/2. 5	28	72	595	1675	13600/8750	550/400	10/50	TL
26. 5-25	22. 00/3. 0	32	82	675	1800	17000/11200	550/425	10/50	TL

Applicable Operation Conditions
Underground mining works

Product Introductions
The design is robust with a wide tread surface and a large contact area.
Enhanced wear resistance of the tire crown, reduced sidewall cuts, and longer service life for low section smooth tires.



L-5S



Underground Mine Scraper Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
12. 00-24	8. 5	24	55	315	1275	7500/4125	975/650	10/50	TT
17. 5-25	14. 00/1. 5	20	60	445	1400	8250/5000	575/400	10/50	TL

Applicable Operation Conditions
Compaction works

Product Introductions
Wide driving surface, high wear resistance, puncture resistance.



R-3

Road Roller Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
23. 1-26	DW20	14	16	595	1500	5600	230	10	TT/TL
23. 1-26	DW20	16	16	595	1500	6150	260	10	TT/TL

Applicable Operation Conditions
Civil construction, Municipal works, mining operations etc

Product Introductions
Suitable for construction, municipal engineering, and earth mining operations.it has excellent heat resistance and wear resistance, as well as good traction performance.



G-2/L-2

Grader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
13. 00-24	8. 00TG	12	23. 5	333	1278	5600/2725	450/300	10/50	TL/TT
14. 00-24	8. 00TG	16	25	362	1348	7300/3650	550/350	10/50	TL/TT
15. 5-25	12. 00/1. 3	12	23	395	1275	5600/3250	400/250	10/50	TT/TL
17. 5-25	14. 00/1. 5	16	24. 5	445	1350	7300/4250	475/300	10/50	TT/TL
20. 5-25	17. 00/2. 0	16	27. 5	521	1493	8250/4000	350/225	10/50	TT/TL
23. 5-25	19. 50/2. 5	16	30	597	1617	9500/4750	300/200	10/50	TT/TL

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Applicable Operation Conditions
Park shoveling operations

Product Introductions
The patterns are rugged and thick, with deep designs,ensuring a long usage cycle.
It has good wear resistance, cut resistance, and puncture resistance.
The reinforced bead design ensures good handling and driving safety under heavy loads or sharp turns.





Forklift Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
5. 00-8	3. 50D	8	10	137	470	1000	790	25	TT
6. 00-9	4. 00E	10	11. 5	160	540	1505	860	25	TT
6. 00-9	4. 00E	12	11. 5	160	540	1675	1030	25	TT
7. 00-9	5. 00S	10	13	190	590	1505	860	25	TT
6. 50-10	5. 00F	10	13. 5	175	590	1655	790	25	TT
7. 00-12	5. 00S	12	15	190	676	2375	860	25	TT
7. 00-12	5. 00S	14	15	190	676	2590	1000	25	TT
8. 25-12	6. 5	14	15	235	765	3325	830	25	TT
7. 00-15	5. 5	14	15	200	750	3140	1000	25	TT
7. 50-15	6. 0	14	15	215	780	3375	925	25	TT
28X9-15	7. 0	14	17	220	706	3050	970	25	TT
8. 25-15	6. 5	14	17	235	840	3775	830	25	TT

OR288

Applicable Operation Conditions
Park shoveling operations

Product Introductions
The patterns are rugged and thick, with deep designs,ensuring a long usage cycle.
It has good wear resistance, cut resistance, and puncture resistance.
The reinforced bead design ensures good handling and driving safety under heavy loads or sharp turns.





Forklift Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
10. 00-20	7. 5	16	30	278	1055	6030	790	25	TT
12. 00-20	8. 5	16	32	315	1125	6915	690	25	TT



Applicable Operation Conditions

Park shoveling operations

Product Introductions

The tire tread is rugged and thick, with deepper patterns excellent grip, and a long service life.
It has good wear resistance,cut resistance, and puncture resistance.
The reinforced bead design ensures good handling and driving safety under heavy loads or sharp turns.

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
5. 00–8	3. 50D	10	10	137	470	1150	1000	25	TT
6. 00–9	4. 00E	10	12	160	540	1505	860	25	TT
6. 00–9	4. 00E	12	12	160	540	1675	1030	25	TT
6. 50–10	5. 00F	12	13. 5	175	590	1895	1000	25	TT
7. 00–12	5. 00S	14	16	190	676	2590	1000	25	TT
7. 00–15	5. 5	14	15	200	750	3140	1000	25	TT
7. 50–15	6. 0	14	15	215	780	3375	925	25	TT
7. 50–15	6. 0	16	15	215	780	3550	1000	25	TT
7. 50–16	6. 00G	12	16	215	805	3195	790	25	TT
8. 25–15	6. 5	14	16	235	840	3775	830	25	TT
8. 25–15	6. 5	16	16	235	840	4050	925	25	TT
18×7–8	4. 33R	14	14	173	465	1440	970	25	TT
18×7–8	4. 33R	16	14	173	465	1695	1000	25	TT
23X10–12	8. 00G	16	15	254	597	2810	1030	25	TT
28X9–15	7. 0	16	19	220	706	3115	1000	25	TT
250–15	7. 5	16	22	250	735	3865	930	25	TT
300–15	8. 0	18	21	300	840	5530	830	25	TT
300–15	8. 0	20	24	300	840	5940	930	25	TT

Applicable Operation Conditions
Loading operations

Product Introductions
Wide tread surface, high-saturation traction pattern, smooth vehicle operation.
It has good wear resistance, cut resistance, and puncture resistance.



SKS-1

Skid Steer Loader Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
10-16.5	8.25	10	21	264	773	2135	520	10	TL
12-16.5	9.75	10	21	307	831	2540	450	10	TL
12-16.5	9.75	12	21	307	831	2865	550	10	TL
15-19.5	11.75	14	22	389	1019	4565	485	10	TL
14-17.5	10.5	14	19	349	921	3875	550	10	TL

Applicable Operation Conditions
Civil construction, Municipal works, mining operations etc

Product Introductions
Suitable for small excavators, with good traction and anti-skid performance.
Applicable to conditions such as construction, municipal engineering, and earth mining.



R-4

Mini-Wheel Excavator Tyre

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
16.9-24	W15L	12	25	430	1335	3250	260	30	TL
16.9-28	W15L	12	25	430	1435	3550	260	30	TL
17.5L-24	W15L	12	25	445	1265	2995	250	30	TL
18.4-26	DW16	12	25	467	1450	4000	250	30	TL
19.5L-24	DW16	12	26	495	1340	3455	230	30	TL
19.5L-24	DW16	16	26	495	1340	4035	300	30	TL
21L-24	DW18	12	27	533	1400	3875	220	30	TL
10.5/80-18	9.00	12	22	274	885	2140	440	30	TL
12.5/80-18	9.00	12	22.5	308	965	2625	370	30	TL

Applicable Operation Conditions
Loading operations

Product Introductions
The large patterned design provides good stability and strong puncture resistance.
The deepened pattern offers excellent wear resistance and a long service life.

Applicable Operation Conditions
Loading operations

Product Introductions
The tread pattern is suitable for both off-road and smooth road conditions.
It has good wear resistance, heat dissipation, cut resistance, and puncture resistance,
The wide tread improves driving comfort on smooth surfaces



Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
10–16. 5	8. 25	10	26	264	773	2135	520	10	TL
10–16. 5	8. 25	12	26	264	773	2375	620	10	TL
12–16. 5	9. 75	10	27	307	831	2540	450	10	TL
12–16. 5	9. 75	12	27	307	831	2865	550	10	TL

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	Max. Load	Pressure	Speed Index	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(KPa)	km/h	
10–16. 5	8. 25	10	33	264	773	2135	520	10	TL
12–16. 5	8. 25	12	33	264	773	2135	620	10	TL
12–16. 5	9. 75	10	34	307	831	2540	450	10	TL
12–16. 5	9. 75	12	34	307	831	2865	550	10	TL

OR614

Applicable Operation Conditions
Intercity transportation operations

Product Introductions
The pattern is primarily horizontal, with wider and deeper grooves that enhance grip on the road, providing superior traction, making it suitable for medium to long-distance transportation operations.



BIAS TRUCK TYRE (HEAVY DUTY)

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	**Single Load**	**Dual Load**	Pressure	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(Kg)	(KPa)	
8. 25–20	6. 5	12	12. 5	236	974	2060	1800	700/630	TT
9. 00–20	7. 0	14	14	259	1018	2575	2300	770/700	TT
9. 00–20	7. 0	16	14	259	1018	2900	2500	880/810	TT
10. 00–20	7. 5	14	14. 5	278	1055	2800	2430	700/630	TT
10. 00–20	7. 5	16	14. 5	278	1055	3000	2650	810/740	TT

OR625

Applicable Operation Conditions
Intercity transportation operations

Product Introductions
Multiple striped pattern designs increase friction, enhancing load-bearing capacity, and improving wear resistance, making it suitable for medium and long-distance transportation operations.



BIAS TRUCK TYRE (HEAVY DUTY)

Tire Size	Standard Rim	Ply Rating	Tread Depth	Section Width	Overall Diameter	**Single Load**	**Dual Load**	Pressure	TT/TL
			(mm)	(mm)	(mm)	(Kg)	(Kg)	(KPa)	
8. 25–20	6. 5	12	12. 5	236	974	2060	1800	700/630	TT
9. 00–20	7. 0	14	14	259	1018	2575	2300	770/700	TT
9. 00–20	7. 0	16	14	259	1018	2900	2500	880/810	TT
10. 00–20	7. 5	14	14. 5	278	1055	2800	2430	700/630	TT
10. 00–20	7. 5	16	14. 5	278	1055	3000	2650	810/740	TT

By The Way

We Have Professional VOLEX Warehouse





We Make Sure That

Even You Need Different Tyres
From Different VOLEX Production Bases,

We Can Load Them Easily.

Then You Can Get Them Quickly.