

BOTO



BOTO



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OTR TYRE
BROCHURE



BRIEF INTRODUCTION TO

Shandong Wanda BOTO Tyre Co., Ltd.

Located in Shandong Province, China, as a leading subsidiary company of China Wanda Group who is one of Top 500 national industrial enterprises in economic strength, Shandong Wanda BOTO Tyre Co Ltd is a large scale of professional tire production enterprise and China Quality and Credit enterprise mainly involving with development, production and sales of TBR, radial OTR and light truck tires.

Established in 2004 and with registration capital of 400 million yuan, the company owns over 3 billion yuan fixed assets and employs more than 5000 staff and workers. With annual production capacity of 3000,000 unit of TBR and 100,000 unit of radial OTR tires, the company can produce and supply various series and more than 100 sizes and patterns of all steel truck and bus radial tires, all steel radial off-the-road tires and light truck tires. Since its establishment, in accordance with its concept of "Dedication Makes Expertise" and through reinforcement of quality system

control and carrying out its strategy of invigorating enterprise by building brand name, the company has made sustainable and healthy development and became a modern and large scale enterprise involving with production and sales of tires and tire retreading whose production scale and economic benefits is top ranked nationwide in China tire sector.

The company emphasizes tire quality and constantly standardizes its production operation. The company has successfully and separately passed authorization and audit of ISO TS16949, ISO 9001 quality system and China Compulsory Certificate, acquired some foreign country certificates such as "DOT, ECE, S-MARK, INMETRO and GCC". All Tyres produced in our factory have followed Reach Act and Tyre Labeling of Europ market equipments.

Shandong Wanda Boto Tyre Co., Ltd sincerely welcomes friends from home and abroad for export business discussion!



BOTO



CONTENT

BOTO *Start a new journey*

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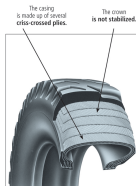
GCB7 GCB8 BT126 BT129

17/18

OTR radial tyre limited warranty

TYRE CONSTRUCTION

BIAS OR DIAGONAL PLY CONSTRUCTION



The crown and sidewalls are formed by the same ply structure. The tread is affected by flexing of the sidewalls, resulting in:

- deformation of the tyre contact area on the ground
- movement in the tread contact area.

The casing plies tend to "scissor" in relation to each other.

Disadvantages:

- accelerated wear.
- less grip.
- increased fuel consumption.

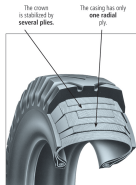


MAXIMUM PLY RATING (PR) AND CORRESPONDING STAR(*) MARKING ON BOTO RADIAL TYRES

SIZES AND MARKINGS	WORK MACHINES PR	TRANSPORT MACHINES PR	SIZES AND MARKINGS	WORK MACHINES PR	TRANSPORT MACHINES PR
12.00R24★★★	24	24	20.5R25★★		28
13.00R25★★★		28	23.5R25★	28	
14.00R20	20		23.5R25★★		32
14.00R24TG★	16		26.5R25★	32	
14.00R24	24		26.5R25★★		32
14.00R24★★★	28	32	29.5R25★	34	
14.00R25★★★		32	29.5R25★★		34
16.00R24TG★	16		29.5R29★	34	
16.00R24★★		36	29.5R29★★		40
16.00R25★★		36	18.00R33★★		40
17.5R25★	16		21.00R33★★		32
17.5R25★★	20	24	35/65R33★★	36	
18.00R25★	24		35/65R33★★(*)		
18.00R25★★		36	21.00R35★★		44
20.5R25★	24		24.00R35★★		48

(*) no corresponding PR in these sizes which are only made in radial construction.

THE BOTO X RADIAL TECHNIQUE



The sidewall and tread function separately. The tread is unaffected by the flexing of the sidewalls, so there is:

- less deformation of the tyre contact area on the ground.
- less movement in tread contact area.
- no movement between casing plies.

Advantages:

- longer tyre life.
- better traction on all types of surface.
- lower fuel consumption due to lower rolling resistance.
- improved comfort.
- increased resistance to punctures / flats.
- increased resistance to heating



VARIOUS TREAD COMPOUNDS

Type R1: Standard Compound

Type R1C: Standard Compound & Cutting Resistance

Type H1: High Speed & Heat Resistance

Type H2: Heat Resistance

Type C1: Cutting Resistance

Type C2: Super Cutting Resistance

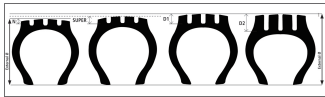
Snowfield-specific Compound

Port-specific Compound

IDENTIFICATION OF EARTHMOVER TYRES

DIFFERENT TREAD DEPTHS

There are 4 earthmover tyre families characterized by their different tread depths (or tread heights) and which are chosen as a function of their use and the surface conditions.



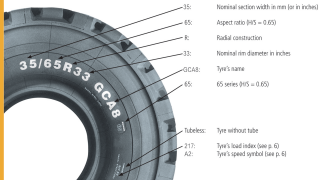
(E2 - E3 - L2 - L3 - G2 - G3)
Traction, rock
SCOT designation:
SUPER
N (Normal)
e.g.: XRON

(SUPER E3, SUPER L3)
Traction, rock
SCOT designation:
SUPER
N (N < SUPER < D1)

(E4 - L4 - G4)
Rock,
deep tread
SCOT designation:
D1 = N x 1,5

(L5)
Rock,
extra deep tread
SCOT designation:
D2 = N x 2,5

EXAMPLE OF MARKINGS: 35/65 R 33 GCA8



Note that earthmover tyres have a Load Index / Speed Symbol (see example) or one or several stars.

The type of tread rubber (R1,H1,H2,C1,C2) and the tread depth (SUPER, D1, D2) may also be shown.

LOAD INDEX - SPEED SYMBOL

LOAD INDEX (LI) AND
MAXIMUM LOAD (KG/LB)

The LOAD INDEX is a numerical code which indicates with the maximum load a tyre can carry at the speed corresponding to its speed symbol, under specified conditions.

LI	maximum load		LI	maximum load		LI	maximum load		LI	maximum load		LI	maximum load	
	kg	lb		kg	lb		kg	lb		kg	lb		kg	lb
120	1.400	3.086	150	3.350	7.380	180	8.000	17.640	210	19.000	41.880	240	45.000	99.210
121	1.450	3.200	151	3.450	7.610	181	8.250	18.190	211	19.500	43.000	241	46.250	101.960
122	1.500	3.310	152	3.550	7.830	182	8.500	18.740	212	20.000	44.100	242	47.500	104.720
123	1.550	3.420	153	3.650	8.050	183	8.750	19.290	213	20.500	45.200	243	48.750	107.470
124	1.600	3.530	154	3.750	8.270	184	9.000	19.840	214	21.000	46.300	244	50.000	110.230
125	1.650	3.640	155	3.850	8.500	185	9.250	20.390	215	21.500	47.400	245	51.250	113.000
126	1.700	3.750	156	4.000	8.820	186	9.500	20.940	216	22.000	48.500	246	52.500	115.760
127	1.750	3.860	157	4.150	9.090	187	9.750	21.490	217	22.500	50.000	247	53.750	118.520
128	1.800	3.970	158	4.250	9.370	188	10.000	22.040	218	23.000	50.400	248	55.000	121.280
129	1.850	4.080	159	4.375	9.650	189	10.250	22.590	219	24.000	53.580	249	58.000	127.890
130	1.900	4.190	160	4.500	9.930	190	10.500	23.140	220	25.000	55.120	250	60.000	132.300
131	1.950	4.300	161	4.625	10.200	191	10.750	23.690	221	25.750	56.780	251	61.500	135.580
132	2.000	4.410	162	4.750	10.470	192	11.000	24.240	222	26.500	58.430	252	63.000	138.860
133	2.050	4.520	163	4.875	10.750	193	11.250	24.790	223	27.250	60.070	253	64.500	142.140
134	2.100	4.630	164	5.000	11.020	194	11.500	25.340	224	28.000	61.720	254	66.000	145.420
135	2.150	4.740	165	5.125	11.290	195	11.750	25.890	225	29.000	63.940	255	67.500	148.700
136	2.200	4.850	166	5.250	11.560	196	12.000	26.440	226	30.000	66.150	256	71.000	156.530
137	2.300	5.070	167	5.450	12.020	197	12.500	27.560	227	30.750	67.790	257	73.000	160.500
138	2.350	5.180	168	5.600	12.350	198	13.000	28.680	228	31.500	69.430	258	75.000	164.470
139	2.400	5.290	169	5.750	12.670	199	13.250	29.230	229	32.500	71.640	259	77.500	170.660
140	2.500	5.510	170	6.000	13.230	200	14.000	30.870	230	33.500	73.850	260	80.000	176.400
141	2.575	5.680	171	6.150	13.560	201	14.500	31.970	231	34.500	76.070	261	82.000	181.880
142	2.650	5.840	172	6.300	13.890	202	15.000	33.070	232	35.500	78.280	262	85.000	187.360
143	2.725	6.010	173	6.500	14.310	203	15.500	34.180	233	36.500	80.490	263	87.500	192.840
144	2.800	6.170	174	6.750	14.770	204	16.000	35.280	234	37.500	82.690	264	90.000	198.320
145	2.900	6.390	175	6.800	15.120	205	16.500	36.380	235	38.500	84.890	265	92.500	203.800
146	3.000	6.610	176	7.100	15.650	206	17.000	37.480	236	40.000	88.200	266	95.000	209.280
147	3.075	6.780	177	7.300	16.060	207	17.500	38.580	237	41.250	90.940	267	97.500	214.760
148	3.150	6.950	178	7.500	16.530	208	18.000	39.680	238	42.500	93.710	268	100.000	220.240
149	3.250	7.170	179	7.750	17.060	209	18.500	40.790	239	43.750	96.470	269	102.000	225.720

SPEED SYMBOLS

The SPEED SYMBOL indicates the maximum speed at which the tyre can carry a load corresponding to its load index, under specified conditions.

Symbol	A2	A3	A4	A5	A6	A8	B	C	D	E	F	G
speed (km/h)	10	15	20	25	30	40	50	60	65	70	80	90
speed (mph)	6	9	12	15	19	25	31	37	40	43	50	56

Examples of tyre marking:

23.5 R 25 X-SUPER TERRAIN AD TL 185 B ; this tyre is able to carry 9250 kg at a speed of 50 km/h (20 400 ft at 30 mph)

44595 R 25 X-CRANE AT TL 174 F ; this tyre is able to carry 6 700 kg at a maximum speed of 80 km/h (50 mph)

It is imperative:

- do not exceed the permitted max. speed of the tyre
- do not exceed the permitted max. distances in one hour indicated in the tables of tyre's characteristics
- At the time of fitting, it is vital that the various markings be checked, in order to be certain that the tyre is suitable for operation at the maximum allowed vehicle speed and load.

BOTO EARTHMOVER TYRE RANGE

A VARIETY OF TREAD PATTERNS

For the conditions of use of each tyre according to the machine type, consult the Earthmover tyre range brochure.



GCA1

GCA2

GCA3

GCA5



GCA6

GCA7

GCA8

GCA9



GCB1

GCB2

GCB3

GCB5

GCB6



GCB7

GCB8

BT126

BT169

GCA5+

BOTO



SIZE AND AVAILABILITY CHART

SIZE	GCA1	GCA2	GCA3	GCA5	GCA6	GCA7	GCA8	GCA9	GCB1	GCB2	GCB3	GCB5	GCB6	GCB7	GCB8	BT126	BT169
11.00R20																	▲
12.00R20																	▲
12.00R24	▲										▲				▲		
13.00R25											▲						
14.00R20											▲	▲	▲			▲	▲
14.00R25				▲							▲		▲				
16.00R24										▲							
16.00R25				▲					▲								
17.5R25	▲											▲		▲	▲		
18.00R25					▲						▲	▲			▲		
18.00R33	▲	▲						▲									
20.5R25	▲						▲					▲			▲		
21.00R33		▲															
21.00R35								▲									
23.5R25	▲						▲					▲					
24.00R35		▲						▲									
28.5R25	▲		▲			▲	▲					▲	▲				
29.5R25	▲		▲			▲	▲					▲					
29.5R29	▲					▲											
35.5R33						▲	▲										
45.5R25												▲					
75.0R25												▲					

NEW!



GCAS+



Loaders



Graders

- ▶ Multiple groove edges offer superior traction on all surfaces
- ▶ Specially placed blades for optimized ice and snow traction
- ▶ Unique groove shape for optimized self-cleaning in all conditions
- ▶ Wide-base construction for high flotation, improved stability and reduced ground pressure
- ▶ Flexible block elements for minimized stone retention

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX TRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
									TRA	
17.5R25	★★	TL	G-3/L-3	14.00/1.5	28	153A8	445	1348	950/300	8500/650
						182A2			400MMH	
20.5R25	★★	TL	G-3/L-3	17.00/2.0	31	161A8	520	1492	950/300	11500/650
						193A2			400MMH	

NEW!



GCB6



Span Carriers

- ▶ Special compound provides excellent cutting & wear resistance property
- ▶ Tread shallow ditch improves traction and heat dissipation property

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX TRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
									TRA	
26.5R25	★★★	TL	L-3	22.00/3.0	24	211A2	673	1750	950MMH	19500
									500MMH	

GCA1



Articulated dumpers



Dozers



Loaders



Graders

- ▶ Versatile tread pattern designed for loader, dozer and other equipment used for construction, stockpile, loading application
- ▶ Superior traction
- ▶ Ensures a very comfortable ride due to its superb stability
- ▶ The inner liner with specially designed compound helps prevent air leakage

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX TRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
									TRA	
17.5R25 (445/80R25)	★	TL	E-3/L-3	14.00/1.5	28	157B/178A2	445	1348	4125/375	7100/500
						167B/182A2			5450/525	
20.5R25 (525/80R25)	★	TL	E-3/L-3	17.00/2.0	28	168B/186A2	520	1492	5600/375	9500/500
						177B/193A2			7300/525	
23.5R25	★	TL	E-3/L-3	19.5/2.5	31.5	176B/195A2	597	1617	7100/375	12150/500
						185B			9250/525	
23.5R25A	★	TL	E-3/L-3 DEEP TREAD	19.5/2.5	42	176B/195A2	597	1617	7100/375	12150/500
						185B			9250/525	
26.5R25	★	TL	E-3/L-3	22.00/3.0	36	184B/202A2	673	1750	9000/375	15000/500
						193B/209A2			11500/525	
29.5R25	★	TL	E-3/L-3	25.00/3.5	43	191B/206A2	750	1873	10900/375	18000/500
						200B/216A2			14000/525	
29.5R29	★	TL	E-3/L-3	25.00/3.5	43	193B/211A2	750	1975	11500/375	19500/500
						202B/218A2			15000/525	

GCA2



Rigid dumpers



- ▶ Non-directional deep tread pattern designed for muddy and soft surfaces
- ▶ Excellent traction and floatation offers comfortable handling
- ▶ Superior long tread life and excellent puncture resistance
- ▶ Low rolling resistance and fuel economy

SIZE	STAR RATING	TYPE	TIRA CODE	STANDARD R ₀	TREAD DEPTH (mm)	LOAD INDEX TIRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²) TIRA
									30KM/H 130KM/H
12.00R24	★★★	TT	E-4	8.5	31.5	158/155F	315	1245	4250/830 (Single) 3675/830 (Dual)
18.00R33	★★	TL	E-4	13.00/3.5	54	191B	500	1875	10900/700
21.00R33	★★	TT	E-3	15.00/3.0	32	200B (200B/216A2)	570	1955	14000/850
24.00R35	★★	TL	E-4	17.00/3.5	57	209B	655	2175	18500/700

GCA3



Articulated dumpers Dozers Loaders Graders



- ▶ Non-directional traction and standard tread depth pattern design
- ▶ Excellent performance supported with low heating-up compound
- ▶ Primarily designed for mining, off the road and muddy surfaces

SIZE	STAR RATING	TYPE	TIRA CODE	STANDARD R ₀	TREAD DEPTH (mm)	LOAD INDEX TIRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²) TIRA
									30KM/H 130KM/H
26.5R25	★	TL	E-3/L-3	22.00/3.0	38.5	184B/202A2	673	1750	9000/375 15000/500
	★★					193B/209A2			11500/525 18500/850
29.5R25	★	TL	E-3/L-3	25.00/3.5	43	191B/208A2	750	1873	10900/375 19000/500
	★★					200B/216A2			14000/525 22400/850

GCA5



Transport Cranes Fire & Rescue Flatbed



- ▶ Primarily designed for high speed long haul application
- ▶ Superior comfortable ride
- ▶ High-speed performance
- ▶ Superior traction on all surfaces

SIZE	STAR RATING	TYPE	TIRA CODE	STANDARD R ₀	TREAD DEPTH (mm)	LOAD INDEX ETRTO	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²) ETRTO
14.00R24	★★★	TL	E-2	10.00W	23	170E	375	1368	6000/900
14.00R25	★★★	TL	E-2	10.00/1.5	23	170E	375	1368	6000/900
16.00R25 (445/90R25)	★					167B			5450/450
	★★	TL	E-2	11.25/2.0	25	177B	432	1493	7300/850
	★★★					177E			7300/900

GCA7



Articulated dumpers Underground Shuttle Trucks



- ▶ This deep tread particularly suitable for loaders and dump trucks operating in quarry or mining
- ▶ Unique non-directional traction pattern ensures optimum traction and prolongs tread life
- ▶ Superior sidewall cut resistance
- ▶ Good self-cleaning with groove stone ejector

SIZE	STAR RATING	TYPE	TIRA CODE	STANDARD R ₀	TREAD DEPTH (mm)	LOAD INDEX TIRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²) TIRA
									30KM/H 130KM/H
26.5R25	★	TL	E-4	22.00/3.0	58	184B	673	1758	9000/375
	★★					193B			11500/525
	★★★					191B			10900/375
29.5R25	★★	TL	E-4	25.00/3.5	60	200B	750	1920	14000/525
	★★★					202B			15000/525
29.5R29	★★	TL	E-4	25.00/3.5	60	193B	750	1975	11500/375
	★★★					202B			15000/525
35/65R33	★	TL	E-4	28.00/3.5	62.5	199B	890	2075	13600/350
	★★					207B			17500/475

GCA6



- ▶ Mobile crane tire, designed for on-off highway application
- ▶ Offers superior durability and cool running at high speed
- ▶ This new generation of tread design offers exceptional abrasiveness and fuel economy

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD MM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/kPa)
						ETRTD			ETRTD
18.00R25 (90S/98R25)	★	TL	E-2	13.00/2.5	30	176B	485	1615	7100/450
						185B			9250/650
						186E			9500/900

GCA8



- ▶ Extra deep tread pattern is specially designed for loaders and dozers on extremely rocky surfaces in open pit, quarries and underground mines
- ▶ Superior sidewall cut resistance
- ▶ Long tread life
- ▶ Exceptional casing durability
- ▶ Enhanced stability and riding comfort

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD MM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/kPa)
						TRA			TRA
20.5R25	★	TL	L-5	17.00/2.0	68	186A2	521	1548	9500/500
						193A2			11500/650
23.5R25	★	TL	L-5	19.5/2.5	78	195A2	597	1673	12150/475
						201A2			14500/650
26.5R25	★	TL	L-5	22.00/3.0	88	202A2	673	1796	15000/500
						209A2			18500/650
29.5R25	★	TL	L-5	25.00/3.5	96	208A2	750	1920	18000/500
						216A2			22400/650
35/65R33	★	TL	L-5	28.00/3.5	96	217A2	890	2075	23000/500
						223A2			27250/650



GCA9



- ▶ Deep tread designed for severe and rocky surfaces
- ▶ Used for underground mining, open pits and quarries
- ▶ Specially designed sidewall provides extended protection from cutting
- ▶ Excellent combination of traction, stability and comfortable ride

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD MM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/kPa)
						TRA			TRA
18.00R33	★	TL	E-4	13.00/2.5	48	180B	500	1875	8000/475
						191B			10900/700
21.00R35	★	TL	E-4	16.00/3.0	53	201B	555	2040	14500/700
						199B			13600/475
24.00R35	★	TL	E-4	17.00/3.5	58	209B	655	2175	16500/700
						209B			16500/700

GCB1



- ▶ The tread design improves operator comfort by reducing road noise and delivering precise handling response
- ▶ High speed capabilities
- ▶ Excellent traction on all conditions both on and off highways
- ▶ Exceptional casing durability

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD MM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/kPa)
						TRA			TRA
16.00R25 (44S/56R25)	★	TL	E-2	11.25/2.0	23	167B	432	1493	5450/475
						177B			7300/700
						177E			7300/900



GCB2



Graders

- Suitable for grader with a stable contour
- Unique pattern design offers excellent traction and grip

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX TRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)
14.00R24 (385/95R24)	★	TL	G-2	8.00TD	26	153AB	360	1350	3650/375
16.00R24 (445/95R24)	★	TL	G-2	10.00VA	28	161AB	425	1460	4625/375

GCB3



- Suitable for straddle carriers, forklifts and other port equipment
- Special tire construction design has ultra-deep tread, excellent carrying capacity and long service life

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX TRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)
12.00R24	★★	TT/TL	IND-5	8.5V11.8	40	178A5	315	1275	7500/950
14.00R24 (385/95R24)	★★★	TT/TL	IND-5	10.00VA	60	180A5	315	1275	8100/960
16.00R25 (445/95R25)	★★★	TL	IND-4	13.00D2.5	63.5	214A5	488	1673	21200/1000



GCB5



- Special pattern design, with elegant formal expressions
- With excellent traction and buoyancy performance
- Outstanding stability and operating comfort, with large pattern plate and long service life

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX TRA	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)
13.00R25	★★	TT	E-3	8.50/1.3	28	162B (SPECIAL TRUCK)	350	1300	4750/650
14.00R24 (385/95R24)	★★★	TT/TL	E-3	10.00VA	30	163B (SPECIAL STANDARD)	375	1368	4875/700
14.00R25 (385/95R25)	★★★	TT/TL	E-3	10.00D2.5	30	168B	375	1368	5600/700
14.00R25 (385/95R25)	★★★	TT/TL	E-3	10.00D2.5	30	170B	375	1368	6050/800
17.5R25 (445/95R25)	★	TL	E-3/L-3	14.00/1.5	26.5	157B/176A2	445	1348	4125/375
17.5R25 (445/95R25)	★★	TL	E-3/L-3	14.00/1.5	26.5	167B/182A2	445	1348	5450/525
17.5R25 (445/95R25)	★★	TL	E-4/L-4	14.00/1.5	37	157B/176A2	445	1348	4125/375
17.5R25 (445/95R25)	★★	TL	E-4/L-4	14.00/1.5	37	167B/182A2	445	1348	5450/525
18.00R25	★	TT/TL	E-4	13.00/2.5	47	170B	498	1673	7100/475
18.00R25	★★	TT/TL	E-4	13.00/2.5	47	185B	498	1673	9250/700
20.5R25 (525/95R25)	★★	TL	E-3/L-3	17.00/2.0	28.5	177B/193A2	520	1492	7300/525
20.5R25 (525/95R25)	★★	TL	E-3/L-3	17.00/2.0	28.5	177B/193A2	520	1492	11500/660
23.5R25	★★	TL	E-3/L-3	19.5/2.5	32	185B/201A2	597	1617	9250/525
23.5R25	★★	TL	E-3/L-3	19.5/2.5	32	185B/201A2	597	1617	14500/660
23.5R25	★★	TL	E-4/L-4	19.5/2.5	48	185B/201A2	597	1617	9250/525
23.5R25	★★	TL	E-4/L-4	19.5/2.5	48	185B/201A2	597	1617	14500/660
26.5R25	★★	TL	E-3/L-3	22.00/3.0	35	206A2/193B	673	1750	11500/525
26.5R25	★★	TL	E-3/L-3	22.00/3.0	35	206A2/193B	673	1750	18500/660
26.5R25	★★	TL	E-4/L-4	22.00/3.0	54	206A2/193B	673	1750	11500/525
26.5R25	★★	TL	E-4/L-4	22.00/3.0	54	206A2/193B	673	1750	18500/660
29.5R25	★	TL	E-4/L-4	25.00/3.5	57	191B/208A2	750	1873	10900/375
29.5R25	★★	TL	E-4/L-4	25.00/3.5	57	200B/216A2	750	1873	18000/500
35.0R25R25	★★	TL	E-3/L-3	19.5/2.5	38	180B/193A2	850	1500	14000/525
35.0R25R25	★★	TL	E-3/L-3	19.5/2.5	38	180B/193A2	850	1500	22400/660
35.0R25R25	★★	TL	E-3/L-3	22.00/3.0	43	190B/202A2	750	1610	8000/425
35.0R25R25	★★	TL	E-3/L-3	22.00/3.0	43	190B/202A2	750	1610	15000/475



GCB7



- Smooth, extra deep tread pattern is specially designed for loaders, scrapers and other engineering machines which work underground mine alley, tunnels or other harsh conditions
- Special cut resistant tread compound and formula and smooth, extra thick tread offers good performance, wear resistance and puncture resistance against ores and coal

SIZE	STAR RATING	TYPE	TRA CODE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
									SINGLE/ DUAL	TRA
12.00R24	★★★	TT/TL	L-SS	8.50V1.6	56	177/A2	315	1275		7300/950
17.5R25	★★	TT/TL	L-SS	14.00V1.5	80	182/A2	445	1399		8500/650
18.00R25	★★	TL	L-SS	13.00V2.5	83	204/A2	498	1673		16000/825



GCB8



Desert Off-road Trucks

- Unique dentate pattern design in tire shoulder provides good mud and sand handling ability
- This tread pattern design improves tire traction ability and turning control with excellent maneuverability when vehicles plunge in mires

SIZE	PLY RATING	TYPE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
								SINGLE/ DUAL	TRA
14.00R20	20	TT	10.00	20	164/161F	375	1240	5000/790 (Single) 4625/790 (Dual)	

BT126/BT126A



Tip lorry



- Mainly for drive wheels
- Applicable for driving on bad road conditions, especially for mining road
- Widen and deeper pattern design with excellent grip, traction and ride ability performance
- The pattern is With good performance in cutting resistance- anti-puncture and anti-cracking

SIZE	PLY RATING	TYPE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX	NEW TYRE INFLATED DIMENSION (mm)	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
									SINGLE/ DUAL	TRA
11.00R20	22	TT	8.0	32	160/156B	293	1085	4500/4000	930/930	
12.00R20	22	TT	8.5	32	162/158B	315	1125	4750/4250	930/930	
12.00R20 BT126A	22	TT	8.5	30	162/158B	315	1125	4750/4250	930/930	



BT169



Mining Trucks

- With good traction and grip performance
- Specially designed for mine dump truck, with excellent resistance to cutting
- Special pattern design, which has good performance in puncture resistance

SIZE	PLY RATING	TYPE	STANDARD RM	TREAD DEPTH (mm)	LOAD INDEX	SECTION WIDTH (mm)	OVERALL DIAMETER (mm)	MAX LOAD AND INFLATION PRESSURE (kg/cm ²)	
								SINGLE/ DUAL	TRA
14.00R20	20	TT/TL	10.00	21	164/161F	375	1240	5000/790 (Single) 4625/790 (Dual)	



SHANDONG WANDA BOTO TIRE CO.,LTD.

OTR RADIAL TIRE LIMITED WARRANTY

VERSION:2008 V1.0 (EFFECTIVE: January 1st,2008)

BRIEF INTRODUCTION:

Shandong Wanda BOTO Tire Co., Ltd (hereinafter called "BOTO") is a professional OTR/TBR tires manufacturer. With most of its world advanced production and test equipments and quality materials supplied by some international conglomerates, BOTO offers the most complete OTR product line and reliable quality OTR radial tires in China.

The following limited warranty contains certain rights and obligations that pertain to BOTO and other off-take branded OTR/radial tires. Please review these rights and obligations carefully.

This limited warranty covers BOTO/YOTO and other off-take branded OTR radial tires provided by BOTO on the global market excluding mainland of China [

WHO IS ELIGIBLE?

You are eligible for the benefits of this limited warranty if you are the original purchaser or authorized agent of the original purchaser of new BOTO/YOTO and other off-take OTR radial tires bearing complete serial numbers.

WHAT IS COVERED AND FOR HOW LONG?

This limited warranty covers all OTR radial tires presented & provided by BOTO for adjustment on or after January 1st,2008. The limited warranty is in effect for 5 years commencing on the date of Bill of Lading (B/L). If proof of the purchase date is not available, the date of manufacture indicated on the serial number will be used as the warranty commencement date.

COVERAGE:

If any OTR radial tire provided by BOTO and covered by this limited warranty becomes unserviceable due to a covered warranty condition, such tire will, at the option of BOTO, be repaired or replaced with a comparable new OTR radial tire (BOTO and other off-take brand), discounted on a pro rata basis, or, at the BOTO option, BOTO will issue an appropriate credit. The customer charge for replacement will be calculated by multiplying BOTO's current replacement tire price at the adjustment location (exclusive of taxes), by the percentage determined from the following chart. In the event BOTO issues a credit, the credit will reflect the discount that would have been included in the foregoing charge.

Amount of Credit to the Customer for Workmanship and Material Conditions

TIRE AGE	Percentage of Remaining Tread Depth (RTD%)									
	91%to 100%	81%to 90%	71%to 80%	61%to 70%	51%to 60%	41%to 50%	31%to 40%	21%to 30%	11%to 20%	0%to 10%
BOTO's Compensation										
1 Year or less	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
2 Year or less	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
3 Year or less	95%	85%	75%	65%	55%	45%	35%	25%	15%	5%
4 Year or less	92%	82%	72%	62%	53%	42%	32%	22%	12%	2%
5 Year or less	90%	80%	70%	60%	50%	40%	30%	20%	10%	0%
More than 5 Year	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

WARRANTY LIMITATIONS:

This limited warranty is applicable to the original purchaser and is not assignable to subsequent purchasers.

No BOTO's dealer, agent, or representative has the authority to make or imply any representation, promise or agreement which in any way varies or extends the terms of this warranty.

Any OTR radial tires, no matter how well manufactured, may fail in service or otherwise become unserviceable due to conditions

beyond the control of the manufacturers. This limited warranty is under no circumstances a representation that a tire failure cannot occur.

This limited warranty gives you specific rights and you may also have other rights which may vary from jurisdiction to jurisdiction. To the extent that the provisions of any applicable such term or terms shall be accordingly replaced, eliminated, amended or extended, as the case may be, in accordance with such legislation.

MEASURE OF REMAINING TREAD DEPTH:

1. Vernier caliper (or professional caliper) is used, when measuring, avoiding the wearing mark. Any the vernier caliper (or professional caliper) must be vertical to the bottom of groove.

2. The position of measure: Groove depth of middle line on the tread or depth of the leading groove nearest to the tread center.

3. Avoid the strengthening veins and position of wearing mark when measuring.

4. Calculation of tread depth: measure the depth of four equal indexes on the tread circle, and the average value of the four data is regarded as the remaining tread depth.

WHAT IS NOT COVERED BY THIS WARRANTY?

The following are not covered by this policy:

1. Tires purchased more than 5 years prior to presentation. Without proof of the B/L date, tires manufactured more than 5 years prior to presentation are not covered.

2. Tires sold as a blemish (B grade tires: the first letter of brand is moved).

3. Tires for which an alternate warranty/guarantee has been negotiated.

The tread wear and damage will not be covered by the limited warranty influenced by the following conditions:

1. Damaged resulting from misuse, improper mounting, misapplication, use of non-approved rims, improper inflation, overloading, running flat, misalignment of imbalance of wheels/rims, defective brakes of shock absorbers, abuse, withful damage, oil, chemical action, fire or other externally generated heat, use of studs, water or other material entrapped inside the tire, vehicle damage or road hazards (such as rock cuts, punctures, cut separations, impacts, flex breaks).

2. Claims for irregular wear or rapid tread wearout are not covered by this limited warranty.