



BLACKLION **TRUCK & BUS TIRES CATALOG**

Long Haul / Regional / On & OFF Road / Off Road / Urban





BLACKLION

Jinyu firmly adheres to the enterprise spirit, "Common benefit is above all" and the company's target of "Providing the customers with excellent quality products and a high level of service." We insist on focusing on our customer's demands, committing to our promises, operating legally, and developing scientifically to maximize the common benefit of consumers, distributors, suppliers, employees, shareholders, communities, governments, enterprises and other related parties.

"Common benefit is above all"!



ENTERPRISE VISION



BLACKLION

TRUCK & BUS TIRE

Long Haul / Regional / On&Off Road / Off Road / Urban



To be the best tire supplier, trusted globally and able to provide the best value and experience to customers and end-users.



ENTERPRISE MISSION

Concentrate on rubber tire technology and service development and application;
Commit ourselves to providing customers the best value and experience.



12R22.5

TOURING

ENTERPRISE INTRODUCTION

Enterprise Profile

JINYU Tire Group Co., Ltd, founded in 1995, is a professional tire R&D and manufacturing enterprise. The company has total assets of \$853 million and currently over 3500 employees. Equipped with advanced tire production, R&D, testing equipment, professional technology and management team, a complete quality management system has been established. The total annual capacity of all-steel radial tire production in China is 3.5 million units. After the completion of the overseas factory project established in Vietnam, the global annual production capacity will reach to 5.5 million sets of all-steel radial tire. The company has set up sales centers in North America, Europe, Vietnam and other countries to achieve localized operations. The sales network covers more than 100 countries and regions in Middle East, Asia, Europe, the United States and Africa etc.

Jinyu Certificates

The company has obtained certificates like CCC, DOT, ECE, INMETRO, ISO/TS16949, GCC, SONCAP, TBS, SARS and so on. The company's laboratory has been certified by CNAS and ISO/IEC 17025 and obtained many national Patents.

Research and Development

The company believes proving excellent quality is a way of life and takes every opportunity to instill this value throughout the entire enterprise. As proof of this commitment, a considerable investment has been made in R&D over the last 20 years. The R&D center not only utilizes advanced equipment but also commits to having efficient operations and maintaining a strong teamwork culture. The team is hyper-focused on marketing, product planning, formula research and development, as well as, structure design and product testing.











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BLACKLION PATTERN REFERENCE

	Long Haul	Regional
Vehicle — Road	 	 
Steer	 <p>10 BT165</p>	 <p>11 BF188</p>
Drive	 <p>12 BD165 13 BD177</p>	 <p>14 BD175</p>
Trailer	 <p>17 BT160 18 BT188</p>	 <p>19 BT180</p>
All-position		

On&Off Road



Urban



15BD210 **16**BD280



20BA226



21BA220



22BU123

BT165







Medium and long mileage trucks running on paved and highway roads.

- High wear resistance
- Long tread life
- Economical and green
- Good cost-performance



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
13R22.5	18	154/151K	17	C	B	73	✓	✓
205/75R17.5	14	124/122M	13	D	B	73	✓	✓
215/75R17.5	16	135/133L	12,5	D	B	73	✓	✓
225/70R19.5	14	128/126L	12,5	D	B	73	✓	✓
235/75R17.5	18	143/141L	13	D	B	73	✓	✓
245/70R19.5	18	144/142J	13	D	B	73	✓	✓
265/70R19.5	18	143/141J	13,5	C	B	73	✓	✓
285/70R19.5	18	150/148K	13	C	B	73	✓	✓
295/60R22.5	18	150/147L	14,5	C	B	73	✓	✓
295/80R22.5	18	152/149M	16	C	B	73	✓	✓
295/80R22.5	18	154/149M	16	C	B	73	✓	✓
315/60R22.5	18	152/148L	14,5	C	B	73	✓	✓
315/70R22.5	18	156/150L	15,5	C	B	73	✓	✓
315/80R22.5	20	156/153L	17	C	B	73	✓	✓
9.5R17.5	18	143/141J	13,5	D	B	73	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BF188







Medium and long mileage truck running on paved and highway roads.

- High wear resistance
- Long tread life
- Economical and green
- Good cost-performance



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
*11R22.5	16	146/143L	16,5				✓	✓
*12R22.5	18	152/149L	17				✓	✓
215/75R17.5	16	135/133L	12,5	C	C	71	✓	✓
225/70R19.5	14	128/126L	12,5				✓	✓
235/75R17.5	18	143/141L	13	C	C	71	✓	✓
245/70R17.5	16	136/134M	13,5	C	C	71	✓	✓
245/70R19.5	18	144/142J	13	C	C	71	✓	✓
255/70R22.5	16	140/137M	12,5				✓	✓
265/70R19.5	18	143/141J	13,5	C	C	71	✓	✓
275/70R22.5	16	148/145M	15	C	C	71	✓	✓
285/70R19.5	18	150/148K	14,5	C	C	71	✓	✓
295/60R22.5	18	150/147L	15	C	C	71	✓	✓
295/80R22.5	18	152/149M	16	C	C	71	✓	✓
315/60R22.5	18	152/148L	14,5	C	C	71	✓	✓
315/70R22.5	18	156/150L	15,5	C	C	71	✓	✓
315/80R22.5	20	156/153L	17	C	C	71	✓	✓

*under development

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BD165







Medium and long mileage vehicles running on paved roads.

- Long tread life.
- Super wide and wear resistant tread provides a longer tread life for longer travel (an extra 20% compared to the original).



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
*295/80R22.5	18	152/149L	17				✓	✓
315/70R22.5	18	156/150L	18	D	C	74	✓	✓
315/80R22.5	20	156/153K	18	D	C	74	✓	✓

*under development

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BD177







Medium and long mileage vehicles running on paved roads.

- Long tread life.
- Super wide and wear resistant tread provides a longer tread life for longer travel (an extra 20% compared to the original).



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
265/70R19.5	18	143/141J	15,5	C	B	74	✓	✓
275/70R22.5	16	148/145M	18				✓	✓
285/70R19.5	18	150/148K	16				✓	✓
295/60R22.5	18	150/147L	18				✓	✓
295/80R22.5	18	152/149L	19	C	B	74	✓	✓
315/60R22.5	18	152/148L	18	C	B	74	✓	✓
315/70R22.5	18	156/150L	19	C	B	74	✓	✓
315/80R22.5	20	156/153L	20	C	B	74	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BD175







Medium and long mileage trucks running on paved and highway roads.

- Excellent traction
- High wear resistance
- Tread chunking resistance



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
11R22.5							✓	✓
*12R22.5							✓	✓
205/75R17.5	14	124/122L	15	D	C	75	✓	✓
215/75R17.5	16	135/133L	15	D	C	75	✓	✓
225/70R19.5	14	128/126L	15	D	C	75	✓	✓
235/75R17.5	18	143/141L	15	D	C	75	✓	✓
245/70R19.5	18	144/142J	15,5	D	C	75	✓	✓
265/70R19.5	18	143/141J	15,5	D	C	75	✓	✓
275/70R22.5	16	148/145M	22	C	B	74	✓	✓
285/70R19.5	18	150/148K		C	B	74	✓	✓
295/60R22.5	18	150/147L		C	B	74	✓	✓
295/80R22.5	18	152/149L	22	C	B	74	✓	✓
315/60R22.5	18	152/148L	20	C	B	74	✓	✓
315/70R22.5	18	156/150L	20	C	B	74	✓	✓
315/80R22.5	20	156/153L	23	C	B	74	✓	✓

*under development

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BD210







Medium and Short mileage vehicles running on paved and unpaved roads.

- Excellent traction
- Excellent durability
- Tread chunking resistance



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
13R22.5	20	156/150J	22	C	B	74	✓	✓
315/80R22.5	20	156/153K	21,5	C	B	74	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BD280



Dump truck tire drive position tire used for medium and short distances on mixed road surfaces.

- Excellent durability
- High strength
- Excellent grip



Suitable



Size	PR	Load Index	Tread Depth (mm)				M+S	
11R22.5	16	148/145K	19				✓	POR
13R22.5	20	156/150J	20				✓	POR
315/80R22.5	20	156/153K	20,5				✓	POR

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BT160







Medium and long mileage vehicles running on paved roads.

- Long tread life and great high speed stability
- Durable and wear-resistant sidewall
- Cool running
- Low noise emissions and reduced stone retention



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
385/55R22.5	20	160K	14,5	C	C	73	✓	✓
385/65R22.5	20	160K	15,5	C	C	73	✓	✓
385/65R22.5	24	164K	15,5	C	C	73	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BT188







Medium and long mileage vehicles running on paved roads.

- Long tread life and great high speed stability
- Durable and wear-resistant sidewall
- Cool running
- Low noise emissions and reduced stone retention



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
435/50R19.5	20	160J	12,5	C	C	71	✓	✓
445/45R19.5	20	160J	13	C	C	71	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BT180



Medium and long mileage vehicles running on paved roads.

- Long tread life and great high speed stability
- Durable and wear-resistant sidewall
- Cool running
- Low noise emissions and reduced stone retention



Suitable



Size	PR	Load Index	Tread Depth (mm)				M+S	
385/65R22.5	20	160K	17	B	C	72	✓	✓
385/65R22.5	24	164K	17	B	C	72	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BA226







Medium and short mileage vehicles running on paved and unpaved roads.

- Cool running
- Excellent durability



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
385/65R22.5	24	164K	17,5	D	B	73	✓	✓
425/65R22.5	20	165K	17,5	D	B	73	✓	✓
445/65R22.5	20	169K	17,5	B	B	73	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BA220







Medium and long mileage trucks running on paved and unpaved roads.

- Cool running
- Excellent durability



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
*11R22.5	16	146/143K	17,5					
*12R22.5	18	152/149K	18					
13R22.5	18	154/151K	18	D	C	72	✓	✓
315/80R22.5	20	156/153L	17	D	C	72	✓	✓

*under development

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

BU123







Short mileage vehicles running on paved roads.

- Excellent durability
- High scrub resistance



Suitable 



Size	PR	Load Index	Tread Depth (mm)				M+S	
275/70R22.5	18	148/145J	20,5	C	C	72	✓	✓

1inch=25.4mm 1kPa=0.142psi 1KG≈2.2 lbs

TRUCK & BUS TIRE

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TECHNOLOGY DATA

				STANDART INFLATED TYRE DIMENSION (mm)				
		SIZE	PATTERN	LOAD INDEX	RIM (inch)	D	B	
LONG HAUL	STEER	13R22.5		154/151K	9,75	1124	320	
		205/75R17.5		124/122M	6	753	205	
		215/75R17.5		135/133L	6	767	211	
		225/70R19.5		128/126L	6,75	811	226	
		235/75R17.5		143/141L	6,75	797	233	
		245/70R19.5		144/142J	7,5	839	248	
		265/70R19.5		143/141J	7,5	867	262	
		285/70R19.5	BT165	150/148K	8,25	895	283	
		295/60R22.5		150/147L	9	926	292	
		295/80R22.5		152/149M	9	1044	298	
		295/80R22.5		154/149M	9	1044	298	
		315/60R22.5		152/148L	9,75	950	313	
		315/70R22.5		156/150L	9	1014	312	
		315/80R22.5		156/153L	9	1076	312	
		9.5R17.5		143/141J	6,75	842	240	
	DRIVE	295/80R22.5		152/149L	9	1044	298	
		315/70R22.5	BD165	156/150L	9	1014	312	
		315/80R22.5		156/153K	9	1076	312	
		265/70R19.5		143/141J	7,5	867	262	
		275/70R22.5		148/145M	8	958	276	
		285/70R19.5		150/148K	8,25	895	283	
		295/60R22.5	BD177	150/147L	9	926	292	
		295/80R22.5		152/149L	9	1044	298	
		315/60R22.5		152/148L	9,75	950	313	
		315/70R22.5		156/150L	9	1014	312	
		315/80R22.5		156/153L	9	1076	312	
		TRAILER	385/55R22.5		160K	12,25	996	386
			385/65R22.5	BT160	160K	11,75	1072	389
			385/65R22.5		164K	11,75	1072	389
			435/50R19.5	BT188	160J	14	931	438
445/45R19.5	160J		15		895	446		
REGIONAL	STEER	11R22.5		146/143L	8,25	1054	279	
		12R22.5		152/149L	9	1085	300	
		215/75R17.5		135/133L	6	767	211	
		225/70R19.5	BF188	128/126L	6,75	811	226	
		235/75R17.5		143/141L	6,75	797	233	
		245/70R17.5		136/134M	7,5	789	248	
		245/70R19.5		144/142J	7,5	839	248	

KG	LOAD		PRESSURE		SIZE	PATTERN		
	KG	LBS	KPA	PSI				
3750	3450	8270	7610	830	120	13R22.5	LONG HAUL	
1600	1500	3525	3310	750	110	205/75R17.5		
2180	2060	4805	4540	860	125	215/75R17.5		
1800	1700	3970	3750	760	110	225/70R19.5		
2725	2575	6005	5675	860	125	235/75R17.5		
2800	2650	6175	5840	900	130	245/70R19.5		
2725	2575	6005	5675	900	130	265/70R19.5		
3350	3150	7390	6945	900	130	285/70R19.5		BT165
3350	3075	7390	6780	900	130	295/60R22.5		
3750	3250	8270	7160	850	125	295/80R22.5		
3550	3250	7825	7165	900	130	295/80R22.5		
3550	3150	7825	6945	900	130	315/60R22.5		
4000	3350	8820	7385	900	130	315/70R22.5		
4000	3650	8820	8045	850	125	315/80R22.5		
2725	2575	6005	5675	875	125	9.5R17.5		
3550	3250	7825	7165	900	130	295/80R22.5		
4000	3350	8820	7385	900	130	315/70R22.5		BD165
4000	3650	8820	8045	850	125	315/80R22.5		
2725	2575	6005	5675	900	130	265/70R19.5		
3150	2900	6940	6395	900	130	275/70R22.5		
3350	3150	7390	6945	900	130	285/70R19.5		
3350	3075	7390	6780	900	130	295/60R22.5		
3550	3250	7825	7165	900	130	295/80R22.5	BD177	
3550	3150	7825	6945	900	130	315/60R22.5		
4000	3350	8820	7385	900	130	315/70R22.5		
4000	3650	8820	8045	850	125	315/80R22.5		
4500		9920		900	130	385/55R22.5		
4500		9920		900	130	385/65R22.5	BT160	
5000		11000		900	130	385/65R22.5		
4500		9920		900	130	435/50R19.5		
4500		9920		900	130	445/45R19.5	BT188	
3000	2725	6610	6005	830	120	11R22.5		
3550	3250	7830	7160	930	135	12R22.5		
2180	2060	4805	4540	860	125	215/75R17.5		
1800	1700	3970	3750	760	110	225/70R19.5	BF188	
2725	2575	6005	5675	860	125	235/75R17.5		
2240	2120	4940	4675	850	123	245/70R17.5		
2800	2650	6175	5840	900	130	245/70R19.5		
							REGIONAL	

TECHNOLOGY DATA

		SIZE	PATTERN	LOAD INDEX	RIM (inch)	STANDART INFLATED TYRE DIMENSION (mm)				
						D	B			
REGIONAL	STEER	255/70R22.5	BF188	140/137M	7,5	930	255			
		265/70R19.5		143/141J	7,5	867	262			
		275/70R22.5		148/145M	8,25	958	276			
		285/70R19.5		150/148K	8,25	895	283			
		295/60R22.5		150/147L	9	926	292			
		295/80R22.5		152/149M	9	1044	298			
		315/60R22.5		152/148L	9,75	950	313			
		315/70R22.5		156/150L	9	1014	312			
		315/80R22.5		156/153L	9	1076	312			
		11R22.5		146/143K	8,25	1054	279			
		12R22.5		152/149L	9	1085	300			
		205/75R17.5		124/122L	6	753	205			
		215/75R17.5		135/133L	6	767	211			
		225/70R19.5		128/126L	6,75	811	226			
		235/75R17.5		143/141L	6,75	797	233			
		245/70R19.5		144/142J	8	839	248			
		265/70R19.5		143/141J	7,5	867	262			
		275/70R22.5		BD175	148/145M	8	958	276		
		285/70R19.5			150/148K	8,25	895	283		
		295/60R22.5			150/147L	9	926	292		
		295/80R22.5			152/149L	9	1044	298		
		315/60R22.5			152/148L	9,75	950	313		
		315/70R22.5			156/150L	9	1014	312		
		315/80R22.5			156/153L	9	1076	312		
		TRAILER			385/65R22.5	BT180	160K	11,75	1072	389
					385/65R22.5		164K	11,75	1072	389
ON&OFF ROAD	DRIVE	BD210	13R22.5		156/150J	9,75	1124	320		
			315/80R22.5	156/153K	9	1076	312			
		BD280	11R22.5	148/145K	8,25	1054	279			
			13R22.5	156/150J	9,75	1124	320			
			315/80R22.5	156/153K	9	1076	312			
				TRAILER	BA226	385/65R22.5	164K	11,75	1072	389
	425/65R22.5	165K	12,25	1124		422				
	445/65R22.5	169K	13	1150		444				
	ALL POSITION	BA220	11R22.5	146/143K	8,25	1054	279			
			12R22.5	152/149K	9	1085	300			
			13R22.5	154/151K	9,75	1124	320			
			315/80R22.5	156/153L	9	1076	312			
URBAN		275/70R22.5	BU123	148/145J	8,25	958	276			

KG	LOAD		PRESSURE		SIZE	PATTERN	
		LBS	KPA	PSI			
2500	2300	5510	5070	830	120	255/70R22.5	REGIONAL
2725	2575	6005	5675	900	130	265/70R19.5	
3150	2900	6940	6395	900	130	275/70R22.5	
3350	3150	7390	6945	900	130	285/70R19.5	
3350	3075	7390	6780	900	130	295/60R22.5	
3550	3250	7825	7165	900	130	295/80R22.5	
3550	3150	7825	6945	900	130	315/60R22.5	
4000	3350	8820	7385	900	130	315/70R22.5	
4000	3650	8820	8045	850	125	315/80R22.5	
3000	2725	6610	6005	830	120	11R22.5	
3550	3250	7830	7160	930	135	12R22.5	
1600	1500	3525	3310	750	110	205/75R17.5	
2180	2060	4805	4540	860	125	215/75R17.5	
1800	1700	3970	3750	760	110	225/70R19.5	
2725	2575	6005	5675	860	125	235/75R17.5	
2800	2650	6175	5840	900	130	245/70R19.5	
2725	2575	6005	5675	900	130	265/70R19.5	
3150	2900	6940	6395	900	130	275/70R22.5	
3350	3150	7390	6945	900	130	285/70R19.5	
3350	3075	7390	6780	900	130	295/60R22.5	
3550	3250	7825	7165	900	130	295/80R22.5	
3550	3150	7825	6945	900	130	315/60R22.5	
4000	3350	8820	7385	900	130	315/70R22.5	
4000	3650	8820	8045	850	125	315/80R22.5	
4500		9920		900	130	385/65R22.5	
5000		11000		900	130	385/65R22.5	
4000	3350	8820	7390	900	130	13R22.5	
4000	3650	8820	8045	850	125	315/80R22.5	
3150	2900	6945	6395	840	120	11R22.5	
4000	3350	8820	7390	900	130	13R22.5	
4000	3650	8820	8045	850	125	315/80R22.5	
5000		11000		900	130	385/65R22.5	
5150		11400		830	120	425/65R22.5	
5800		12800		900	130	445/65R22.5	
3000	2725	6610	6005	830	120	11R22.5	
3550	3250	7830	7160	930	135	12R22.5	
3750	3450	8270	7610	830	120	13R22.5	
4000	3650	8820	8045	850	125	315/80R22.5	
3150	2900	6940	6395	900	130	275/70R22.5	

Refer to the Speed Symbols and Load Capacity Index tables below

• SPEED SYMBOLS

SI	KM/H
B	50
C	60
D	65
E	70
F	80
G	90
J	100
K	110
L	120
M	130
N	140
P	150
Q	160
R	170

• LOAD CAPACITY INDEX

LI	KG	LI	KG	LI	KG
115	1215	136	2240	157	4125
116	1250	137	2300	158	4250
117	1285	138	2360	159	4375
118	1320	139	2430	160	4500
119	1360	140	2500	161	4625
120	1400	141	2575	162	4750
121	1450	142	2650	163	4875
122	1500	143	2725	164	5000
123	1550	144	2800	165	5150
124	1600	145	2900	166	5300
125	1650	146	3000	167	5450
126	1700	147	3075	168	5600
127	1750	148	3150	169	5800
128	1800	149	3250	170	6000
129	1850	150	3350	171	6150
130	1900	151	3450	172	6300
131	1950	152	3550	173	6500
132	2000	153	3650	174	6700
133	2060	154	3750	175	6900
134	2120	155	3875	176	7100
135	2180	156	4000	177	7300



Before fitting, it is essential to check the different markings to ensure that the tires meets the maximum load and speed possibilities and/or the regulations in force.

TIRE PRESSURE MANAGEMENT

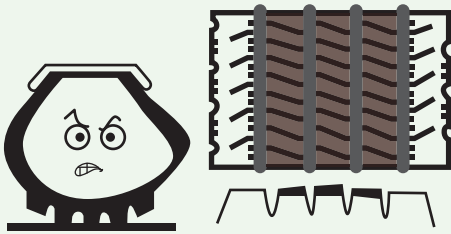
INFLATION PRESSURE RECOMMENDATION



SAFETY

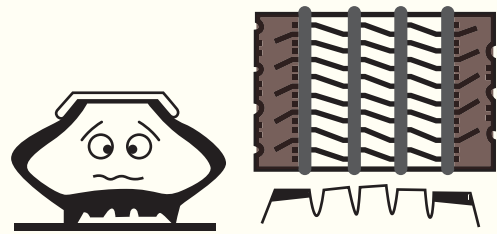
Over-inflation reduces

- Comfort
- Grip
- Safety
- Braking distance
- Tire life span, particularly on drive axle tires

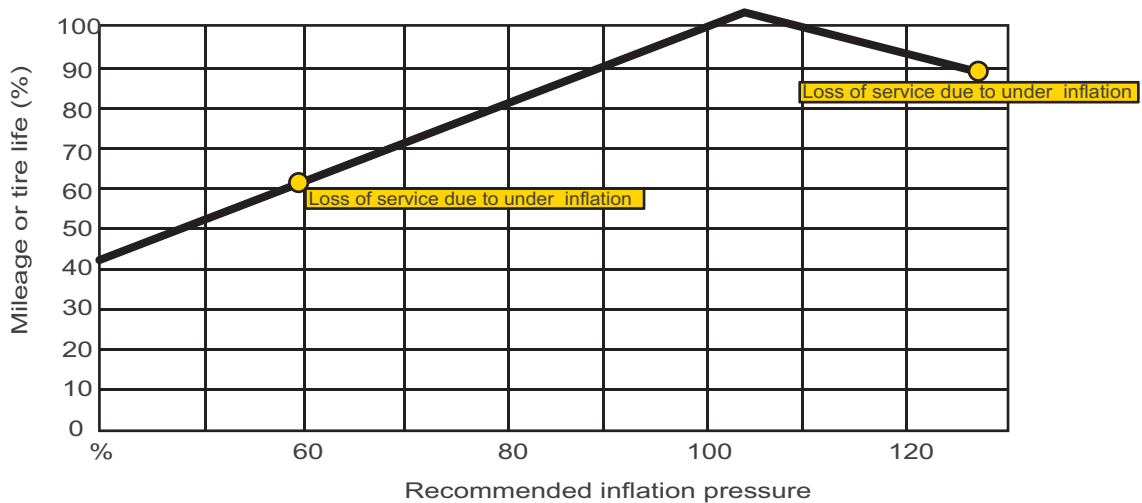


Under-inflation leads to

- Reduced vehicle handling and safety
- A reduction in casing retreadability
- An increase of fuel consumption



Effect of inflation pressure on tire life

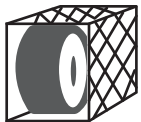


IMPORTANT INSTRUCTIONS FOR SAFE INFLATION

• ADVICE BEFORE INFLATION

- Weight your vehicle and its load, axle by axle, to determine tire pressure.
- Measure the pressure when cold (when the vehicle has been stationary for several hours): pressures must be checked at regular intervals and during each service.
- Important safety instruction: pressure increases when the vehicle is in motion, never reduce the pressure of a hot tire.
- Pressure gauges: must be accurate, handled with care and calibrated regularly.

INFLATION METHOD



With inflation cage

Place the tire vertically in the inflation cage
Read the cage user manual



Without inflation cage

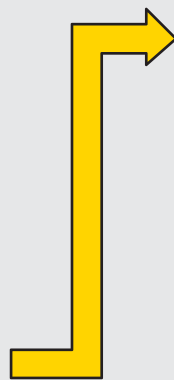
• Step 1



Pre-inflate tire
up to 1.5 bars and STOP



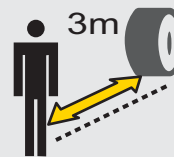
Check the tire.
If you have doubts stop
and call an expert



• Step 2



Inflate up
to the appropriate pressure.



During inflation, stand in line
with the tire tread minimum
three meters away

TIRE PRESSURE MANAGEMENT

SPEED (km/h)	VARIATION IN LOAD CARRYING CAPACITY (%) (2)						Inflation pressure compensation (%) (*)
	Speed Symbol						
	F	G	J	K	L	M	
Static	+150.0	+150.0	+150.0	+150.0	+150.0	+150.0	+40
5	+110.0	+110.0	+110.0	+110.0	+110.0	+110.0	+40
10	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+30
15	+65.0	+65.0	+65.0	+65.0	+65.0	+65.0	+25
20	+50.0	+50.0	+50.0	+50.0	+50.0	+50.0	+21
25	+35.0	+35.0	+35.0	+35.0	+35.0	+35.0	+17
30	+25.0	+25.0	+25.0	+25.0	+25.0	+25.0	+13
35	+19.0	+19.0	+19.0	+19.0	+19.0	+19.0	+11
40	+15.0	+15.0	+15.0	+15.0	+15.0	+15.0	+10
45	+13.0	+13.0	+13.0	+13.0	+13.0	+13.0	+9
50	+12.0	+12.0	+12.0	+12.0	+12.0	+12.0	+8
55	+11.0	+11.0	+11.0	+11.0	+11.0	+11.0	+7
60	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+6
65	+7.5	+8.5	+8.5	+8.5	+8.5	+8.5	+4
70	+5.0	+7.0	+7.0	+7.0	+7.0	+7.0	+2
75	+2.5	+5.5	+5.5	+5.5	+5.5	+5.5	+1
80	0	+4.0	+4.0	+4.0	+4.0	+4.0	0
85		+2.0	+3.0	+3.0	+3.0	+3.0	0
90		0	+2.0	+2.0	+2.0	+2.0	0
95			+1.0	+1.0	+1.0	+1.0	0
100			0	0	0	0	0
110				0	0	0	0
120					0	0	0
130						0	0

The coefficients in this table are those of the ETRTO standard and are given for information only.

Contact us for all load capacities greater than the basic load limits given by tire markings and used in this brochure.

When the coefficients in these tables lead to pressure greater than 10 bars, you must reduce the maximum load capacity to an amount which corresponds to a maximum pressure of 10 bars.

If you wish to use pressure greater than 10 bars, consult us for the tires, check the maximum resistance of rims with your rim manufacturer and comply with regulations in force for fitting and use. The coefficients indicated in this table are taken from the ETRTO.

Urban-bus or City bus (M3 – class I): + 15% of the load indices marked on the tyre, when the average speed does not exceed 40 km/h.

Sub-urban bus or Interurban bus (M3 – class II): + 10% of the load indices marked on the tyre, when the operating speed is restricted to 60 km/h.



S
Tire Section Width



H
Tire Sidewall Height



R
Unloaded Free Diameter



R'
Static Loaded Radius



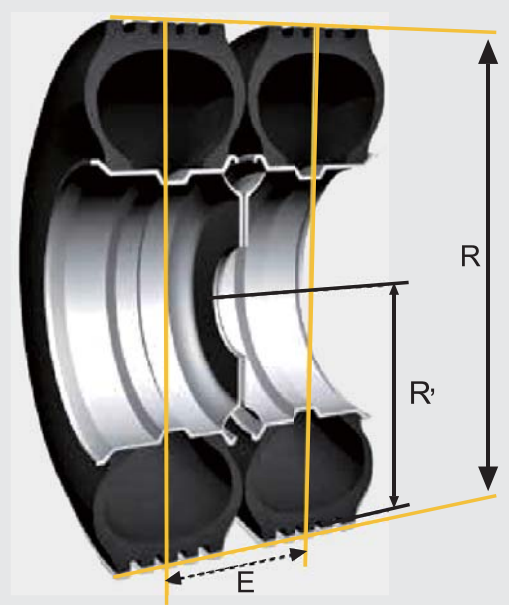
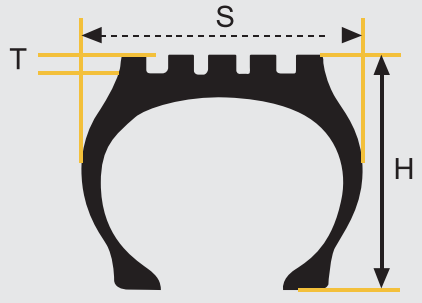
D
Rolling Circumference



E
Min. Distance Tire Sidewalls in Twin Fitment



T
Tread Depth



Qualified Warranty Participants

This warranty applies to the original owner or user of any new Blacklion radial truck tire sold through an authorized dealer. Tires eligible for warranty must bear the Blacklion brand name, a complete D.O.T. serial identification number, not be stamped as Non-Adjustable (NA) and operated in normal driving conditions. Eligible tires must be on the vehicle on which they were originally installed, in conformance with the vehicle manufacturer's recommendations.

These tires are covered by this warranty for the life of the original usable tread depth (the original tread depth down to the level of treadwear indicators molded at 2/32 inch) within 72 months from the date of purchase (proof of purchase required).

If proof of purchase is not available the coverage will be 72 months from the date of manufacture for all tires.

LABELLING EXPLAINED

EU implemented in 2012 tire labelling requirements regarding the display of information on fuel efficiency, wet grip and the external rolling noise of tires. (Regulation (EC) 1222/2009 with amendments (EC) 228/2011 and (EC) 1235/2011). Its aim was to increase the safety, environmental and economic efficiency of road transport in Europe. The labelling allows end-users to make more informed choices when purchasing tires. The current labelling has now been in operation for 8 years and has been reviewed from several angles. To further enhance tire safety and environmental information to the public, the regulation (EC) 1222/2009 will be replaced with the upgraded regulation (EU) 2020/740. This regulation will start to apply as of 1 May 2021. The main upgrades can be summarised:

- > The label layout will follow EU standard environmental protection labelling schemes
- > Public access to label and product information sheet via QR code added to label
- > Reorganisation of label classes. Only classes A-E will be available
- > Introduction of snow grip symbol on label (3PMSF)
- > Label will be added to truck tires (was not required before)

All tires that are placed on EU market as of 20 June 2020, will have to be registered in the EU energy labelling portal (EPREL).

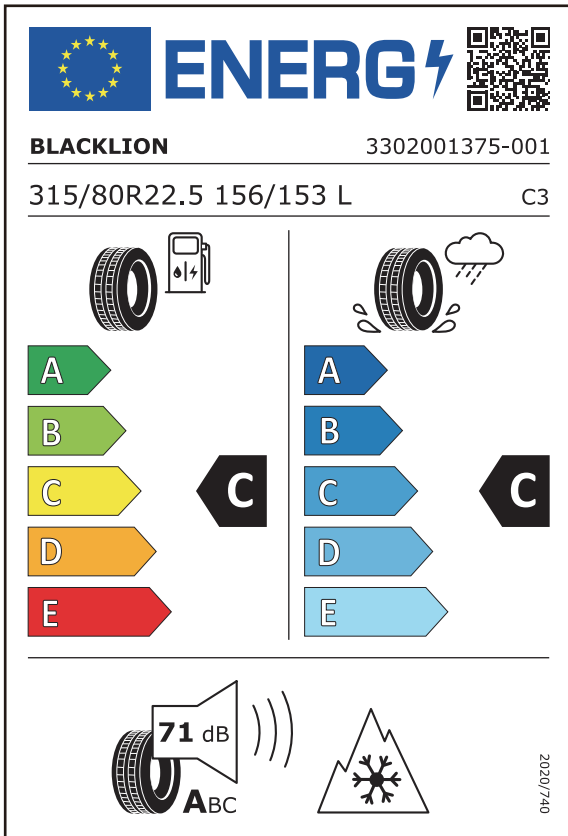
From 1 May 2021, the public will have access, via this EU portal, to information about all tires placed on EU market. Beside access to the digital label itself, a product information sheet can also be accessed.

Product Information Sheet

Delegated Regulation (EU) 2020/740

Supplier name or trademark	BLACKLION
Commercial name or trade designation	BF188
Tyre type identifier	3302001375-001
Tyre size designation	315/80R22.5
Load-capacity index	156
Load-capacity index (Load index for Dual mounting)	153
Speed category symbol	L
Fuel efficiency class	C
Wet grip class	C
External rolling noise class	A
External rolling noise value	71 dB
Severe snow tyre	Yes
Date of start of production	22/20
Date of end of production	-
Additional information	
Load-capacity index (Single load index for Additional Service Description)	
Load-capacity index (Dual load index for Additional Service Description)	
Speed category symbol (for Additional Service Description)	

We at BLACKLION welcome this upgraded labelling system, we are convinced it will guide our customers towards using safer, quieter and more fuel-efficient tires. Our research and development team have taken great care in designing tires that meet the highest safety and environmental standards, and we are confident it will satisfy our customers.



WHAT DOES THE LABEL TELL YOU?

The truck tire label gives you details about the manufacturer, internal product code, and a description of the tire size and class.

It grades 4 Performance criteria:

- Fuel efficiency
- Wet Grip
- Exterior noise from contact with the road surface
- Snow grip

For fuel efficiency and wet grip, performance is expressed in 5 classes ranging from A (the most efficient) to E (the least efficient).

For noise, the measured value is present on the label together with the letters A, B, and C (A is the lowest noise rating and C is the highest noise rating).



SNOW GRIP

When the label has the 3PMSF symbol, it shows that the tire has passed a regulated objective test, indicating it has min. 25% better snow traction than a so-called SRTT tire. (Standard Reference Test Tire)



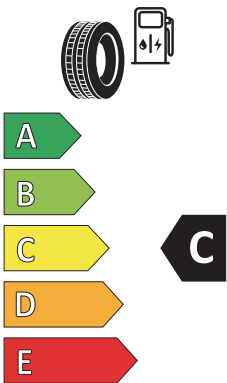
EXTERIOR NOISE

Exterior tire noise levels are split into 3 categories and measured in decibel (dB) in comparison with the EU Regulative noise levels (ECE117).

A = 3 dB less than the current EU limit value for this product

B = Compliant with the current EU limit value for this product

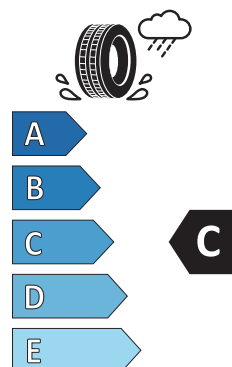
C = Non-compliant with the current EU limit value for this product



FUEL EFFICIENCY

Fuel consumption is influenced by the rolling resistance of the tires caused by tire deformation when rotating, resulting in energy losses in the form of heat. The higher the deformation, the higher the tire rolling resistance and consequently the more fuel is required to move the vehicle forward. In other words, lower rolling resistance means lower fuel consumption and therefore lower vehicle emissions, including CO₂.

The label displays different “rolling resistance” grades, where A is the most “fuel efficient” and E the least efficient in class. The black arrow next to the grading indicates the performance level of the product. Customers should be made aware that actual fuel savings and road safety depend heavily on the behavior of drivers, in particular the following: environmentally friendly driving can significantly reduce fuel consumption; tire pressure needs to be correct and regularly checked for optimum fuel efficiency.



WET GRIP

The most important role of a tire is to provide safety – in all weather conditions. Wet traction or grip is one of the most important performance characteristics of any tire.

There is typically a performance trade-off when combining noise, fuel efficiency and a safety performance like wet grip. The labelling will allow customers to prioritise for themselves their preferred type of performance.

The label displays a range of 5 grades, where tires with an “A” provide the highest levels of wet grip and “E” the lowest.



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Edition 09-2021