Size	Operating mode					Rim		Tyre dimension								Load capacity (kg) per axle at tyre pressure kPa																	
	LI/SI*	PR	Speed Index at/ at speed (km/h)	Pattern	TT/ TL	Rim Width	Distance Between Rim centres	Max. standard Value in service		Actual value			Stat. radius	Rolling Circum. ference	Load Index LI	Tyre tonnage	450 (63)	500 (73)	550 (80)	600 (87)	650 (94)	700 (102)	750 (109)	800 (116)	820 (122)	900 (131)
								Width	Outer-Dia.	Width +1%	Outer-Dia. ±1%		±2%																				
295/80 R 22.5	152/148 M		M 130	BF 15	TL	8.25 9.00	338 346	305 313	1062 1062	290 298	1044 1044	497 497	3185	152 148	S D	4265 7575	4640 8240	5010 8880	5370 9535	5752 10165	6075 10785	6420 11395	6750 12000	7100 12600	
315/80 R 22.5	156/150 L 156/150 K		M 130 (L 120) K 110	BF 12 BU 53	TL	9.00	355	328	1096	312	1076	500	3280	156 154 150	S S D	4560 4505 8055	4995 4905 8700	5390 5290 9455	5780 5675 10140	6165 6050 10810	6540 6420 11470	6910 6785 12120	7280 7140 12765	7940 7500 13400	8000
275/70 R 22.5	148/145 J (151/148 E)	16	J 100 (E 70)	BS 31	TL	7.50 8.25	307 316	279 287	973 973	267 275	961 961	447 447	2820	151 148 145	S S D	3960 3915 7235	4310 3355 7870	4650 4245 8290	4985 4555 8695	5320 4865 9110 8940	5640 5150 10065 9845	5960 5440 10885 10625	6275 5730 11465 10565	8590 6015 11935 11460	6900 6300 9000
385/65 R 22.5	160/ - K	20	K 110	BT 43	TL	11.75 12.25	0 0	409 414	1092 1092	389 395	1072 1072	495 495	3250	160	S	5165	5620	6065	6505	6935	7360	7775	8190	8595	9000		
11 R 22.5	148/145 L		L 120	BF 12	TL	7.50 8.25	305 314	279 287	1064 1064	271 279	1050 1050	489 489	3200	148 145	S D	3785 6970	4120 7585	4445 8185	4765 8775	5080 9355	5390 9930	5695 10490	6000 11050	6300 11500	7100 12600
12 R 22.5	152/148 L (150/148 M)	16	L 120 (M 130)	BF 12	TL	8.25 9.00	329 338	301 309	1099 1099	292 300	1084 1084	504 504	3306	152 150 148	S S D	4285 4250 7575	4640 4490 8240	5010 4850 8890	5370 5200 9535	5725 5570 10165	6075 5920 10785	6420 6265 11395	6750 6590 12000	7100 7940 7500 13400	8000 6900 6300 9000

A = Outer diameter on the tyre
L = static radius
t = deflection under load

Commercial Vehicle Tyres

Barum

Delivery range
Commercial Vehicle Tyre
and Specifications

Manufactured by:
Continental Tyre SA Pty. (Ltd)

Barum
A good commercial reason.

Barum
A good commercial reason.

STEER

BF 12

For short and long distancec service.

- The wide ribbed tread pattern provides excellent mileage performance. Low rolling resistance ensure low fuel consumption.
- The optimum tread pattern design ensures precise steering response, safer braking and low rolling noise.
- The special grooved structure deflects stones and helps to retain the casing value.

Delivery Range

11 R 22.5	148/145 L	
12 R 22.5	152/148 L	(150/148 M)
315/80 R 22.5	154/150 M	(156/150 L)

BF 15 Road Front

Front axle tyre for short and long distance haulage.

- New, extra wide shoulder - rugged, with precise steering response.
- Innovative groove geometry helps eject stones.
- Optimised tread compound reduces wear, extending tyre life.

295/80 R 22.5	152/148 M	

BC 31 Road / City

Specialist for city buses.

- Reinforced sidewall to protect from kerbstone damage
- Outstanding mileage performance and quiet running

275/70 R 22.5	148/145 J	(151/148 E)

UNIVERSAL

BU 53

All-round tyre for on-/Off-road use.

- Optimum tread pattern design deflects stones.
- Solid shoulders give the tyre directional stability.

Delivery Range

12 R 22.5	152/148 K	
315/80 R 22.5	156/150 K	

TRAILER

BT 43

Developed as an all-round fitment on conventional and articulated trailers in road use.

- High tread volume ensures excellent mileage performance.
- Modern tread pattern design means very good driving stability
- Optimised arrangement of grooves deflects stones, thus maintaining the high value of the casing.

385/65 R 22.5	160/ - K	

Tyre designations

Tyre designations

As a matter of principle the technical data in the tables always complies with the international standards as specified by ISO and the ETRTO.

Further details such as other tyre sizes or designs, plus the static radius and the rolling circumference comply with the DIN/WdK Guidelines.

Dimensions
Are given in millimeters (mm).

Tyre pressure
Tyre inflation pressure is given in kPa based on cold tyre.

Outer diameter New*)
Is a nominal size which refers to the tread centre

Max. outer diameter in service
Is the maximum diameter permitted in the tread centre as a result of permanent growth during tyre use. Dynamic deformations are not included.

Cross-section width New*)
Is a nominal size which refers to the smooth tyre wall.

Max. operational width
Is the maximum permitted width. This includes scuff ribs, decorative ribs, lettering and permanent growth during use. Dynamic deformations are not included.

Static radius
Is the distance from the tyre centre to the ground. Measurements are checked on fitted tyres inflated to the tyre pressure specified in DIN 70020 Part 5.

Rolling circumference
Is the distance covered by each revolution of the tyre.

Load capacities
Are given in kgs (weight in the sense of mass)

Dual tyre spacing
Maintaining the minimum space ensures that the two tyres in a dual tyre fitment function without any infringement of ERTRO standards, providing the tyres are not fitted with chains.

In the course of development, a variety of designations for tyre dimensions have been introduced, some of which are used concurrently. The following combination is most frequently used: tyre width in mm, then H:W (height: width) in % and finally the codes for the tyre construction – for example R for "radial" and "-" for "crossply" – and the nominal rim diameter.

When planning vehicle wheel space, automotive designers must proceed on the basis of the maximum values for tyre width and outer diameter, taking into account the tyre's static and dynamic deformation. In this way they ensure that all standard approved tyres will fit in all cases. If this is not possible in exceptional cases, appropriate measures are to be taken to exclude any possible risk to safety.

*) Construction size