

MICHELIN TRUCK AND BUS TYRE TECHNICAL DATABOOK



EDITION 2016 EAST ASIA AND OCEANIA



MICHELIN
Total Performance



MICHELIN

A better way forward



SAFETY WARNINGS

**BE SURE TO READ THE SAFETY
INFORMATION PROVIDED HEREIN AS
SERIOUS INJURY OR DEATH CAN
RESULT FROM FAILURE TO FOLLOW
SAFETY WARNINGS**



WARNING: Tyre and rim servicing can be dangerous and must be done only by trained personnel using proper tools and procedures. Failure to read and comply with all procedures may result in serious injury or death to you or others.



WARNING: Re-inflation of any type of tyre and rim assembly that has been operated in a run-flat or underinflated condition (80% or less of recommended operating pressure) can result in serious injury or death. The tyre may be damaged on the inside and can explode while you are adding air. The rim parts may be worn, damaged or dislodged and can explosively separate.



WARNING: Use of gasoline, petrol or any other flammable material to lubricate, seal or seat the beads of a tyre can cause the tyre to explode or can cause the explosive separation of the tyre/rim assembly resulting in serious injury or death. The use of any flammable material during tyre servicing is absolutely prohibited.



WARNING: Any inflated tyre mounted on a rim contains explosive energy. The use of damaged, mismatched or improperly assembled tyre/rim parts can cause the assembly to burst apart with explosive force. If you are struck by an exploding tyre, rim part or the air blast, you can be seriously injured or killed.



WARNING: Re-assembly and inflation of mismatched rim parts can result in serious injury or death. Just because parts fit together does not mean they belong together. Check for proper matching of all rim parts before putting any parts together.



WARNING: Mismatching tyre and rim diameters is dangerous. A mismatched tyre and rim assembly may explode and can result in serious injury or death. This warning applies to any combination of mismatched components. Never assemble a tyre and rim unless you have positively identified and correctly matched the parts.

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■ **TYRE KNOWLEDGE**

- **RADIAL TYRE COMPONENTS** 02
- **SIDEWALL DESIGN** 03
- **HOW TO READ TYRE MARKING** 04
- **INFLATION PRESSURE** 06

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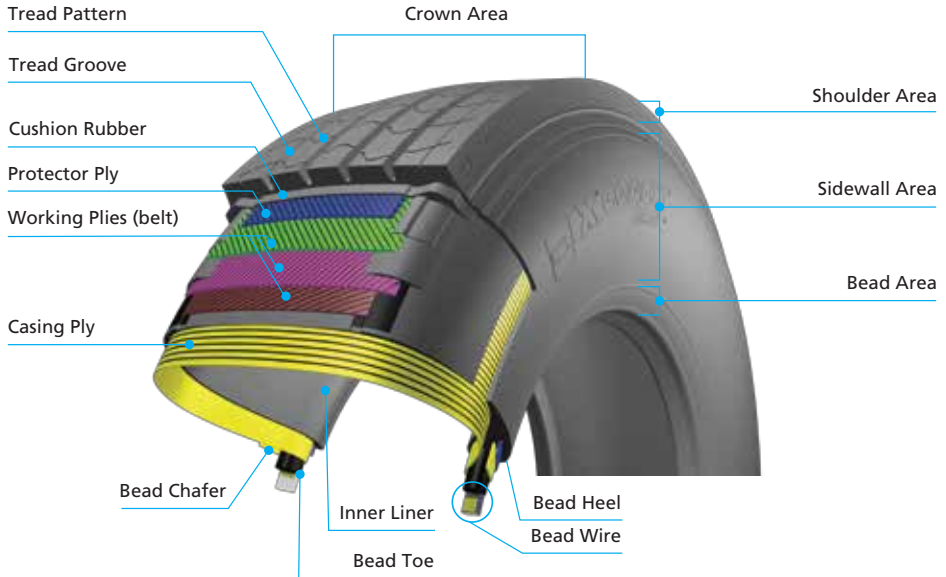
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TYRE KNOWLEDGE

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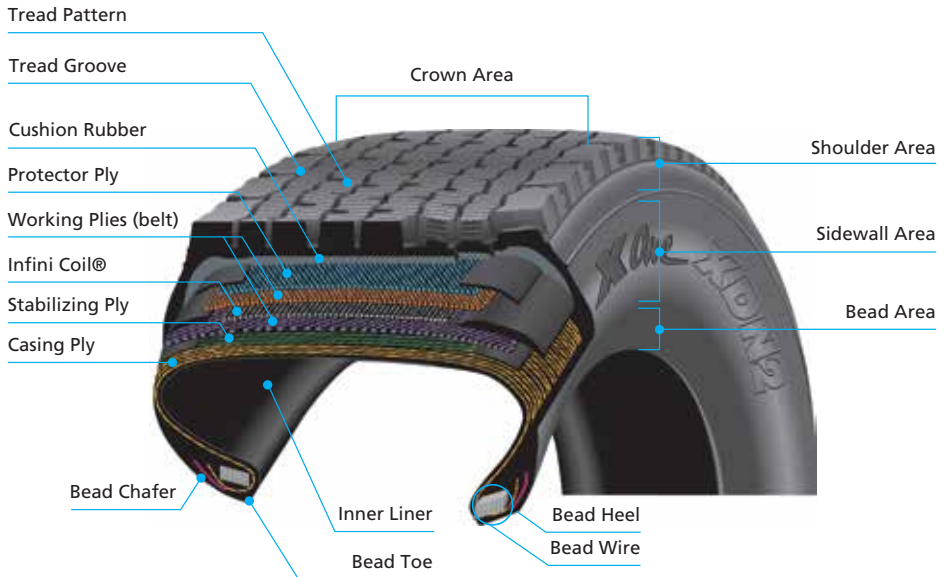


RADIAL TYRE COMPONENTS



MICHELIN X One

COMPONENTS



MICHELIN TRUCK & BUS TYRES NEW SIDEWALL DESIGN



385/55R22.5 F  = Front axle

295/80R22.5 D  = Drive axle

275/70R22.5 Z  = All position

455/55R22.5 T  = Trailer axle

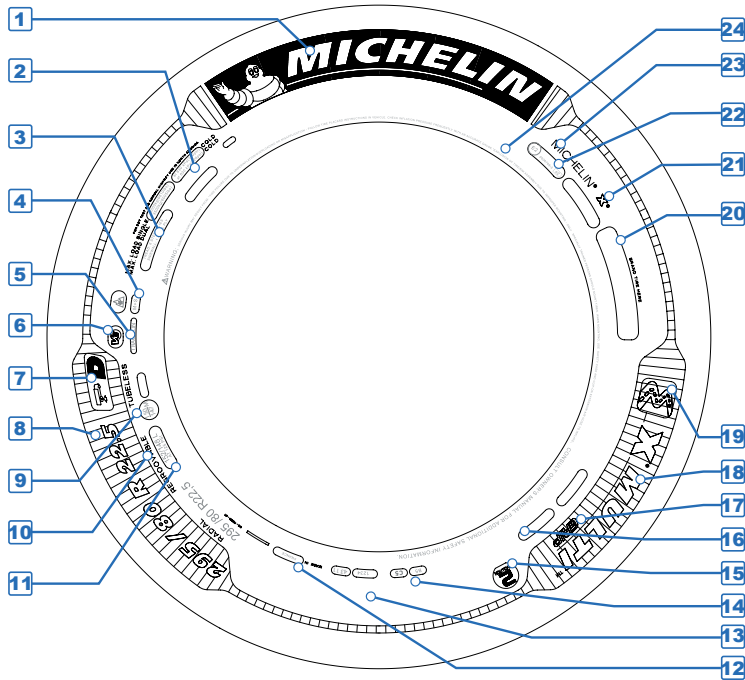
F This marking indicates the tyre is designed for steer axles.

D This marking indicates the tyre is designed for drive axles.

Z This marking (<<Z>>) indicates the tyre is designed for all positions which includes steer, drive, free rolling, and trailer axles.

T This marking indicates the tyre is designed for trailer axles.
Tyre with marking (<<T>>) is specifically developed for trailer and semi-trailer fitments and is not suitable for front axle usage.

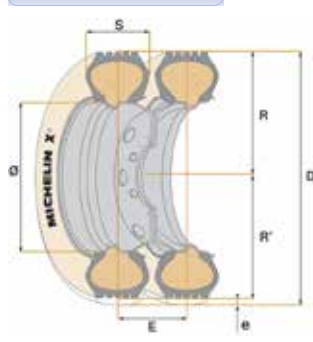
HOW TO READ TYRE MARKING



- 1 MICHELIN brand logo
- 2 Max load max press and max speed. US regulation
- 3 Tyre architecture
- 4 M+S Mud and Snow & 3PSMF picto
- 5 Traction new regulation (drive tyre) or FRT, free rolling tyre (trailer only tyre)
- 6 Specific code
- 7 Tyre position code (Letter F for Front axle, D for Drive, T for Trailer, Z for all axle ...) illustrated on a truck silhouette (arrow indicates axle position)
- 8 Tyre Size
- 9 Indicates added load and speed index (see chart)
- 10 Radial, tubeless, regroovable
- 11 Load and speed index
- 12 Made in...: indicates where the tyre has been manufactured
- 13 Place for logistic information: vignette, barcode & matricule number, ex: PRZ6596G
- 14 DOT: Department of transport. The last 4 numbers indicate tyre manufacturing.
- 15 Tyre evolution number: indicates production date
- 16 Brazil or China homologation
- 17 Option name: indicates tyre optional benefit.
- 18 Range Name: indicates tyre usage (see naming chart).
- 19 Usage Pictogram: illustrates tyre common usage
- 20 "Brand tire here": free space for hot branding
- 21 X® symbol of MICHELIN radial tyre, it's a registered brand
- 22 E2...: CEE homologation number
- 23 MICHELIN registered brand
- 24 Warning: gives user information

Tyre Marking Detailed Description

Overall dimensions



- S** Section width when measured on standard rim
- D** Free diameter (Rx2).
Ø Rim diameter.
- R** Free radius.
- E** Minimum dual spacing.
- R'** Laden radius.
- e** Static deflection (R-R').
- H** Section height.

Load Capacity Index: These numerical values are designed to correspond to a load value listed in a table similar to excerpt shown right. For a complete Load Capacity Index table, see page 92 in the appendix.

Speed Symbols: These alpha numeric symbols correspond to a maximum speed the tyre is designed for continuous operation. For a complete Speed Symbol table, see page 92 in the appendix.

Speed symbol and load index

Speed symbol	Speed	
	mph	km/h
A1	3	5
A2	6	10
A3	9	15
A4	12	20
A5	16	25
A6	19	30
A7	22	35
A8	25	40
B	31	50
C	37	60
D	40	65
E	43	70
F	50	80
G	56	90
J	62	100
K	68	110
L	74	120
M	81	130
N	87	140

Index	Load kg	Index	Load kg	Index	Load kg	Index	Load kg
100	800	123	1550	146	3000	169	5800
101	825	124	1600	147	3075	170	6000
102	850	125	1650	148	3150	171	6150
103	875	126	1700	149	3250	172	6300
104	900	127	1750	150	3350	173	6500
105	925	128	1800	151	3450	174	6700
106	950	129	1850	152	3550	175	6900
107	975	130	1900	153	3650	176	7100
108	1000	131	1950	154	3750	177	7300
109	1030	132	2000	155	3875	178	7500
110	1060	133	2060	156	4000	179	7750
111	1090	134	2120	157	4125	180	8000
112	1120	135	2180	158	4250	181	8250
113	1150	136	2240	159	4375	182	8500
114	1180	137	2300	160	4500	183	8750
115	1215	138	2360	161	4625	184	9000
116	1250	139	2430	162	4750	185	9250
117	1285	140	2500	163	4875	186	9500
118	1320	141	2575	164	5000	187	9750
119	1360	142	2650	165	5150	188	10000
120	1400	143	2725	166	5300	189	10300
121	1450	144	2800	167	5450	190	10600
122	1500	145	2900	168	5600	191	10900

IMPORTANT : At the time of fitting, it is vital that the various markings are checked, in order to be certain that the tyre is suitable for operation at the maximum allowed vehicle speed and loading.

Unique point

A number of truck tyre sizes carry a second load speed index marked on the sidewall. This is known as the «Unique Point» that is located after the main load index as shown below

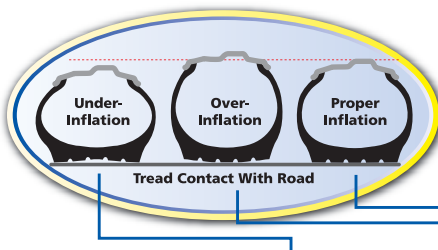
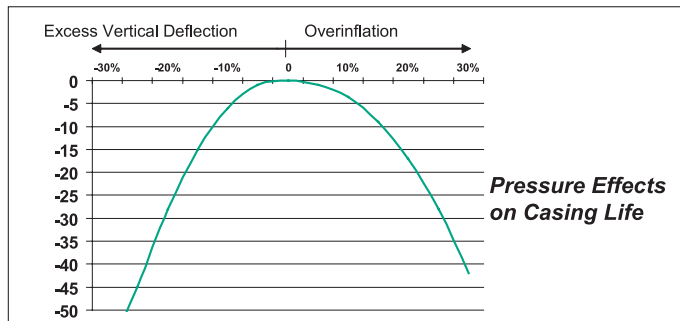
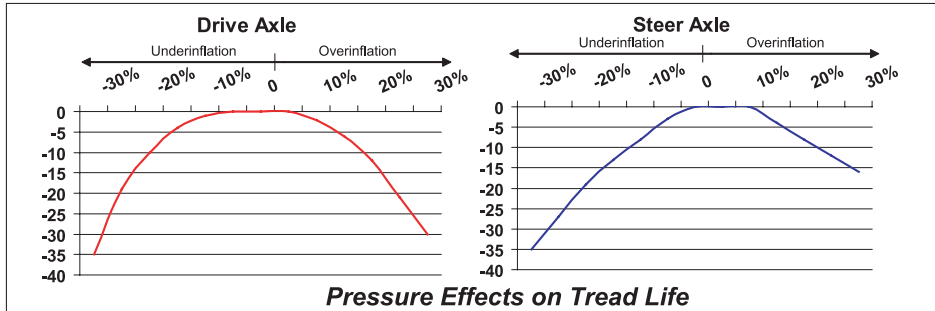
135/133 G
----- J
132

For these sizes, the «Unique Point» provides additional load speed operating conditions in order to satisfy particular requirements.

IMPORTANT : Load variances based on speed do not apply to the additional couple load index / speed symbol of the unique point.

INFLATION PRESSURE

The most critical factor in tyre maintenance is proper inflation. No tyre or tube is completely impervious to loss of air pressure. To avoid the hazards of under inflation, lost-air must be replaced. Inflation pressure has a direct impact in tyre performance - both tread life and endurance - as shown in the following charts :



UNDERINFLATION

Causes abnormal tyre deflection, which builds up heat and causes irregular wear. Similar to the rim being too wide.

OVERINFLATION

Causes tyre to run hard and be more vulnerable to impacts. It also causes irregular wear. Similar to the rim being too narrow.

PROPER INFLATION

The correct profile for full contact with the road promotes traction, braking capability and safety.

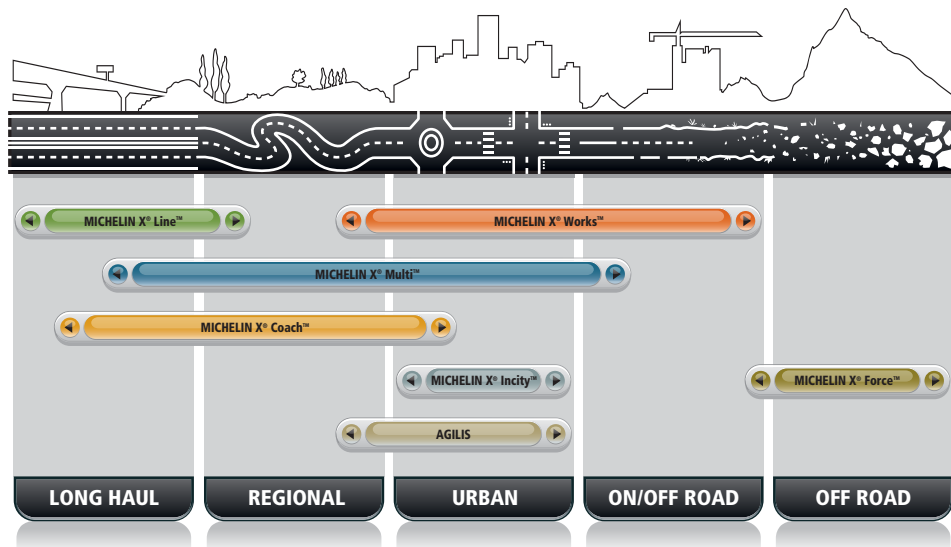
TECHNICAL 2 **CHARACTERISTICS TABLE AND PRODUCT OFFER**

- **USER FOCUS, USAGE FOCUS 08**
- **TECHNICAL 14 - 69**
CHARACTERISTICS TABLE

TECHNICAL CHARACTERISTICS 2 TABLE AND PRODUCT OFFER

USER FOCUS, USAGE FOCUS

FIND THE RIGHT TYRES FOR YOUR APPLICATION



Reliable and cost effective tyre solution for long haulers, bringing fuel efficiency without compromising durability

Medium to heavy vehicle tyre ranges optimized for long distances

- Operating on improved road surfaces and high speeds
- Light aggression and scrub
- Slow wear rate applications



Outstanding durability and mobility on all kinds of roads and in all seasons for versatile activities

Small to heavy vehicle tyre ranges optimized for mixed regional and long distance service

- Primary and secondary road conditions
- Moderate to high scrub and frequent turns
- Medium to fast wear rate applications



Robustness, durability and off-road mobility for tippers, mixers, and construction service

Heavy duty vehicle tyre ranges optimized for mixed application on/off road service

- Construction, mining, forestry, agriculture activities
- Slow to moderate speeds, exposure to cuts and chipping
- Fast wear rate and high tyre aggression applications



Extreme robustness and off-road mobility for special vehicles

Heavy duty tyre ranges designed for off-road applications, on all type of soils



Reliable and cost effective tyre solutions especially designed for urban conditions, with optimized environmental impacts

Small to heavy vehicle tyre ranges optimized for urban/suburban service

- Variable loading with frequent stops, starts and turns
- City buses and municipal utilities
- Fast wear rate and high scrub applications



Robustness, durability and peace of mind for the light trucks user

Light truck tyre ranges designed for multipurpose service



Safe, comfortable and cost effective tyre solutions especially designed for coach, bring fuel efficiency without compromising durability

Medium to heavy vehicles tyre ranges optimized for motor coach on-road service

TECHNICAL CHARACTERISTICS

TABLE AND PRODUCT OFFER

2



Z



MICHELIN
X LINE ENERGY Z



MICHELIN
XZA 2+ ENERGY



MICHELIN
XZA 2 ENERGY



MICHELIN
XZA



MICHELIN
XJE 4 MIX ENERGY

F



MICHELIN
X LINE ENERGY F



MICHELIN
XFA 2 ENERGY

D



MICHELIN
XDA 2+ ENERGY



MICHELIN
XDA 2 ENERGY

T



MICHELIN
X ENERGY SAVERGREEN XT



MICHELIN
X LINE ENERGY T



MICHELIN
XTA 2+ ENERGY



MICHELIN
XTA 2 ENERGY



Z



MICHELIN
X MULTI Z



MICHELIN
X MULTI HD Z



MICHELIN
X MULTIWAY XZE R



MICHELIN
X MULTIWAY 3D XZE



MICHELIN
XZE 3 R



MICHELIN
XZE 2+



MICHELIN
XZE 2



MICHELIN
XZE



MICHELIN
XZN MIX ENERGY



MICHELIN
XJW 4+



MICHELIN
XJS WINTER GRIP+

F



MICHELIN
XFE

Z = ALL POSITION **F** = FRONT AXLE **D** = DRIVE AXLE **T** = TRAILER AXLE / MICHELIN Durable Technologies



X MULTI™

D



MICHELIN X MULTI D **MICHELIN** X MULTIWAY 3D XDE **MICHELIN** XDE 2+ **MICHELIN** XDE 2 **MICHELIN** XDN 2 GRIP  **MICHELIN** XDW ICE GRIP 

T



MICHELIN X MULTI T **MICHELIN** XTE 3 **MICHELIN** XTE 2 / XTE 2+ **MICHELIN** XTA **MICHELIN** X ONE XTE 

X WORKS™

Z



MICHELIN X WORKS XZY **MICHELIN** X WORKS Z **MICHELIN** X WORKS XZ **MICHELIN** XZY 3 **MICHELIN** XZY-2 **MICHELIN** XZH 2 R

Z



MICHELIN X ONE XZY 3 

D



MICHELIN X WORKS XDY



MICHELIN X WORKS XD



MICHELIN XDY 3

T



MICHELIN XTY 2

X FORCE™

Z



MICHELIN XZL 2 **MICHELIN** XZL+ **MICHELIN** XZL **MICHELIN** XML **MICHELIN** XS

D



MICHELIN XDL

TECHNICAL CHARACTERISTICS

TABLE AND PRODUCT OFFER

2



Z



MICHELIN
X INCITY Z



MICHELIN
XZU 3+



MICHELIN
XZU 3



MICHELIN
XZU ENERGY



MICHELIN
XZU 2T



MICHELIN
X ONE XZU S



Z



MICHELIN
AGILIS



MICHELIN
AGILIS HD



MICHELIN
XZA



MICHELIN
XJE 4 MIX ENERGY



MICHELIN
XZY 3



MICHELIN
XDW Ice Grip



Z



MICHELIN
X COACH ENERGY Z

D



MICHELIN
X COACH XD



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
7.50R15	XTA	2	TT	16	135/133G	133/132J	8.50	10.5	4360	8.50	8240	8.50	220	787	2385	6.0-6.5-86.5	233	210	769	354	2340	238	6.00	15/16 J	15x6.00	
8.25R15	XTA	2	TT		143/141G	141/140J	8.50	11.2	5450	8.50	10300	8.50	246	853	2585	6.0-6.5 86.5-6.50	259	232	834	381	2547	262	6.50	15K	15x6.00	
10.00R15	XTA	2	TT	18	148/145G	146/144J	8.50	11.5	6300	8.50	11600	8.50	286	939	2845	7.0 - 7.5	298	269	914	419	2780	304	7.50	15P	15x7.50	
205/75R16	XDW ICE GRIP	7	TL		113/111L			11.9	2300	6.00	4360	6.00	213	726	2200	5.50 JJ-6 JJ 5.50 K-6.5J	217	199	721	337	2207	225	5.50JJ			
195/85R16	XIE4 MIX ENERGY	7	TL		114/112L			8.5	2360	6.00	4480	6.00	206	751	2276	5J - 5.17J 6J - 6K	217	197	733	343.5	2241	223	5.50K			
195/85R16	XDW ICE GRIP	7	TL		114/112L			11.8	2360	6.00	4480	6.00	206	751	2276	5 J-5.50 JJ-6 JJ 5 K-5.50 K-6 K	219	197	742	347	2270	223	5.50 JJ			
205/85R16	XIE4 MIX ENERGY	7	TL		117/115L			8.6	2570	6.00	4860	6.00	213	768	2327	5-5.5-6-6.5	233	211	752	352	2297	239	6.00			
	XDW ICE GRIP	7	TL		117/115L			11.9	2570	6.00	4860	6.00	213	768	2327	5J à 6J2K	231	211	761	356	2330	239	6.00K			
215/85R16	XIE4 MIX ENERGY	7	TL		120/118L			9.0	2800	6.00	5280	6.00	227	787	2385	5.5-6-6.5 - 7.0	241	219	769	358	2350	247	6.00K			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed limit Load variations according to speed do not apply to the unique point.

Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
7.50R15	XTA	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
		single dual													2950	3060	3180	3300	3420	3540	3650	3770	3890	4010	4120	4240	4360			
8.25R15	XTA	single dual													5570	5790	6010	6240	6460	6680	6900	7130	7350	7570	7790	8020	8240			
		single dual													3680	3830	3980	4120	4270	4420	4570	4710	4860	5010	5160	5300	5450			
10.00R15	XTA	single dual													6960	7240	7520	7790	8070	8350	8630	8910	9190	9460	9740	10020	10300			
		single dual													4260	4430	4600	4770	4940	5110	5280	5450	5620	5790	5960	6130	6300			
205/75R16	XDW ICE GRIP	single dual													7840	8150	8460	8780	9090	9410	9720	10030	10350	10660	10970	11290	11600			
		single dual			1280	1360	1450	1530	1620	1700	1790	1870	1960	2040	2130	2210	2300													
195/85R16	X/E4MX ENERGY	single dual													3880	4040	4200	4360												
		single dual			1310	1400	1490	1570	1660	1750	1840	1920	2010	2100	2190	2270	2360													
195/85R16	XDW ICE GRIP	single dual													3980	4150	4310	4480												
		single dual			1310	1400	1490	1570	1660	1750	1840	1920	2010	2100	2190	2270	2360													
205/85R16	X/E4MX ENERGY	single dual													4480	4680	4860	5040												
		single dual			1430	1520	1620	1710	1810	1900	2000	2090	2190	2280	2380	2470	2570													
215/85R16	X/E4MX ENERGY	single dual													4860	5080	5280	5480												
		single dual			1560	1660	1760	1870	1970	2070	2180	2280	2390	2490	2590	2700	2800													

2/ TECHNICAL CHARACTERISTICS 15 - 16 INCHES

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
7.00 R16	AGILIS	7	TL	16	117/113L			9.2	2570	6.00	4600	6.00	208	794	2406	4.50E - 5.00E 5.50F - 6.00G	217	195	782	365.5	2388	221	5.50F	16J	16x6.00	
	AGILIS	7	TL	12	117/116L			9.2	2570	6.00	5000	6.00	208	794	2406	4.50E - 5.00E 5.50F - 6.00G	217	195	782	365	2388	221	5.50F	16J	16x6.00	
7.50R16	AGILIS	7	TL	14	122/121L			9.2	3000	7.00	5800	7.00	226	824	2497	5.50F - 6.00G 6.50H	231	209	800	375	2450	237	6.00G	16J	16x6.00	
	AGILIS HD	7	TL	14	122/121L			10.3	3000	7.00	5800	7.00	226	824	2497	5.50F - 6.00G 6.50H	227	207	804	377	2459	234	6.00G	16J	16x6.00	
8.25R16	AGILIS	7	TT	16	128/126K			10.5	3600	6.75	6800	6.75	239	878	2623	6.00G - 6.50H	256	232	858	400	2619	263	6.50H	16K	16x6.00	
	AGILIS HD	7	TT	16	128/126K			11.6	3600	6.75	6800	6.75	239	878	2623	6.00G - 6.50H	259	235	860	400.5	2627	265	6.50H	16K	16x6.00	

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed (pair load) variations according to speed do not apply to the unique point.

Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension

Tread pattern

	psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00
7.00 R16	Single			1430	1520	1620	1710	1810	1900	2000	2090	2190	2280	2380	2470	2570												
	dual			2780	2960	3150	3330	3520	3700	3890	4070	4260	4440	4630	4810	5000												
	Single			1430	1520	1620	1710	1810	1900	2000	2090	2190	2280	2380	2470	2570												
	dual			2780	2960	3150	3330	3520	3700	3890	4070	4260	4440	4630	4810	5000												
7.50R16	Single							1840	1940	2000	2090	2190	2280	2380	2470	2570												
	dual							3550	3740	3890	4070	4260	4440	4630	4810	5000												
	Single							1840	1940	2000	2090	2190	2280	2380	2470	2570												
	dual							3550	3740	3890	4070	4260	4440	4630	4810	5000												
8.25R16	Single						2160	2280	2400	2030	2130	2230	2320	2420	2520	2610	2710	2810	2900	3000								
	dual						4080	4310	4530	3930	4120	4300	4490	4680	4860	5050	5240	5430	5610	5800								
	Single						2160	2280	2400	2030	2130	2230	2320	2420	2520	2610	2710	2810	2900	3000								
	dual						4080	4310	4530	3930	4120	4300	4490	4680	4860	5050	5240	5430	5610	5800								

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
215/70R17.5	XZE2	6	TL		118/116L			12.8	2640	6.00	5000	6.00	222	759	2315	6.00 - 6.75	229	209	759	355	2306	237	6.00			
	X MULTI Z	6	TL		136/134M			12.5	4480	8.30	8480	8.30	258	803	2449	6.75 - 7.50	269	246	793	366	2417	209	6.75			
	XZE 2	6	TL		136/134M			13.5	4480	8.00	8480	8.00	258	803	2449	6.75 - 7.50	268	245	795	368	2424	277	6.75			
245/70R17.5	X MULTI D	6	TL		136/134M			12.0	4480	8.30	8480	8.30	258	803	2449	6.75	268	246	795	368	2415	278	6.75			
	XDE 2	6	TL		136/134M			14.0	4480	8.00	8480	8.00	258	811	2474	6.75 - 7.50	268	245	797	368	2419	277	6.75			
	XZE 2	6	TL		124/122M			12.5	3200	6.50	6000	6.50	212	765	2333	5.25-6.00-6.75	230	210	763	353	2310	238	6.00			
205/75R17.5	XDE 2	6	TL		124/122M			14.0	3200	6.50	6000	6.50	212	773	2358	5.25-6.00-6.75	231	210	763	353	2312	238	6.00			
	X MULTI Z	6	TL		126/124M			11.5	3400	6.90	6400	6.90	220	779	2376	6.00 - 6.75	237	217	770	357	2346	245	6.00			
	XZE 2	6	TL		126/124M			13.0	3400	6.50	6400	6.50	235	797	2431	6.00 - 6.75	238	217	774	357	2353	246	6.00			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair: Load variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Tread pattern

Dimension	Tread	psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
		bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00
215/70R17.5	XZE2	single			1470	1560	1660	1760	1860	1960	2050	2150	2250	2350	2440	2540	2640												
	dual			2780	2960	3150	3330	3520	3700	3890	4070	4260	4440	4630	4810	5000													
245/70R17.5	X MULTIZ	Single										2850	2970	3090	3220	3340	3470	3590	3710	3840	3960	4080	4210	4330	4460				
	dual											5390	5620	5860	6090	6320	6560	6790	7030	7260	7500	7730	7960	8200	8430				
	single											2940	3070	3200	3330	3460	3580	3710	3840	3970	4100	4220	4350	4480					
	dual											5570	5810	6060	6300	6540	6780	7030	7270	7510	7750	8000	8240	8480					
205/75R17.5	X MULTID	single										2850	2970	3090	3220	3340	3470	3590	3710	3840	3960	4080	4210	4330	4460				
	dual											5390	5620	5860	6090	6320	6560	6790	7030	7260	7500	7730	7960	8200	8430				
	single											2940	3070	3200	3330	3460	3580	3710	3840	3970	4100	4220	4350	4480					
	dual											5570	5810	6060	6300	6540	6780	7030	7270	7510	7750	8000	8240	8480					
215/75R17.5	XZE 2	single					1880	1990	2100	2210	2320	2430	2540	2650	2760	2870	2980	3090	3200										
	dual						3520	3720	3930	4140	4340	4550	4760	4970	5170	5380	5590	5790	6000										
	single						1880	1990	2100	2210	2320	2430	2540	2650	2760	2870	2980	3090	3200										
	dual						3520	3720	3930	4140	4340	4550	4760	4970	5170	5380	5590	5790	6000										
215/75R17.5	X MULTIZ	single										2110	2220	2330	2440	2560	2670	2780	2890	3000	3110	3220	3330						
	dual											3970	4180	4390	4600	4810	5020	5230	5440	5650	5860	6070	6270						
	single						1990	2110	2230	2340	2460	2580	2700	2830	2950	3070	3200	3320	3440										
	dual						3750	3970	4190	4410	4630	4860	5080	5300	5520	5740	5960	6180	6400										



Dimension	Tread Pattern	Category		PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
215/75R17.5	X MULTI D	6	TL		126/124M			13.0	3400	6.90	6400	6.90	220	779	2376	6.00 - 6.75	236	216	775	359	2350	245	6.00			
	XOE 2	6	TL		126/124M			15.0	3400	6.50	6400	6.50	235	797	2431	6.00 - 6.75	238	216	778	360	2370	245	6.00			
	X MULTI Z	6	TL		129/127M			11.5	3700	7.20	7000	7.20	235	797	2431	6.00 - 6.75	255	233	787	366	2407	264	6.75			
225/75R17.5	XZE 2	6	TL		129/127M			13.0	3700	7.00	7000	7.00	235	797	2431	6.00 - 6.75	255	233	792	367	2414	264	6.75			
	X MULTI D	6	TL		129/127M			12.5	3700	7.20	7000	7.20	235	797	2431	6.00 - 6.75	256	234	790	367	2400	264	6.75			
	XOE 2	6	TL		129/127M			15.0	3700	7.00	7000	7.00	235	803	2449	6.00 - 6.75	255	232	798	369	2415	263	6.75			
235/75R17.5	X MULTI Z	6	TL	16	132/130M			12.5	4000	7.60	7600	7.60	242	811	2474	6.75 - 7.50	243	241	799	371	2499	272	6.75			
	XZE 2	6	TL		132/130M			13.0	4000	7.25	7600	7.25	242	811	2474	6.75 - 7.50	261	239	805	373	2451	271	6.75			
	X MULTI D	6	TL	16	132/130M			12.5	4000	7.60	6800	7.60	242	811	2474	6.75 - 7.50	262	240	501	370	2493	272	6.75			
	XOE 2	6	TL		132/130M			15.0	4000	7.25	7600	7.25	242	811	2474	6.75 - 7.50	262	239	807	373	2447	271	6.75			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
		bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
215/75R17.5	X MULTI D	single							2110	2220	2330	2440	2560	2670	2780	2890	3000	3110	3220	3330										
		dual							3970	4180	4390	4600	4810	5020	5230	5440	5650	5860	6070	6270										
	XOE 2	single					1990	2110	2230	2340	2460	2580	2700	2810	2930	3050	3170	3280	3400											
		dual					3750	3970	4190	4410	4630	4860	5080	5300	5520	5740	5960	6180	6400											
225/75R17.5	X MULTI Z	single							2210	2330	2440	2560	2680	2790	2910	3030	3140	3260	3370	3490	3610									
		dual							4180	4400	4620	4840	5060	5280	5500	5720	5940	6160	6380	6600	6820									
	XZE 2	single							2270	2390	2510	2630	2750	2860	2980	3100	3220	3340	3460	3580	3700									
		dual							4290	4520	4740	4970	5190	5420	5650	5870	6100	6320	6550	6770	7000									
235/75R17.5	X MULTI D	single							2210	2330	2440	2560	2680	2790	2910	3030	3140	3260	3370	3490	3610									
		dual							4180	4400	4620	4840	5060	5280	5500	5720	5940	6160	6380	6600	6820									
	XOE 2	single							2270	2390	2510	2630	2750	2860	2980	3100	3220	3340	3460	3580	3700									
		dual							4290	4520	4740	4970	5190	5420	5650	5870	6100	6320	6550	6770	7000									
235/75R17.5	X MULTI Z	single											2750	2870	2990	3110	3230	3350	3470	3590	3710	3830	3950							
		dual										5230	5460	5690	5920	6140	6370	6600	6830	7050	7280	7510								
	XZE 2	single							2500	2630	2750	2880	3000	3130	3250	3380	3500	3630	3750	3880	4000									
		dual							4750	4990	5230	5460	5700	5940	6180	6410	6650	6890	7130	7360	7600									
235/75R17.5	X MULTI D	single											2750	2870	2990	3110	3230	3350	3470	3590	3710	3830	3950							
		dual										5230	5460	5690	5920	6140	6370	6600	6830	7050	7280	7510								
	XOE 2	single							2500	2630	2750	2880	3000	3130	3250	3380	3500	3630	3750	3880	4000									
		dual							4750	4990	5230	5460	5700	5940	6180	6410	6650	6890	7130	7360	7600									



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
225/80R17.5	XZN+ MIX ENERGY	6	TL	14	123/122L			11.8	3100	6.00	6000	6.00	228	810	2471	6.00 - 6.75	248	225	811	378	2465	254	6.75			
	XZN MIX ENERGY	6	TL	14	123/122L			11.8	3100	6.00	6000	6.00	228	810	2471	6.00 - 6.75	248	225	811	378	2465	254	6.75			
	X/E4 MIX ENERGY	6	TL		123/122L			13.3	3100	6.00	6000	6.00	228	810	2471	6.00 - 6.75	248	225	810	378	2467	255	6.75			
	X/S WINTER GRIP+	6	TL	14	123/122L			14.5	3100	6.00	6000	6.00	228	810	2471	6.00 - 6.75	250	228	810	378	2480	258	6.75			
	XDW / ICE GRIP	6	TL	14	123/122L			14.5	3100	6.00	6000	6.00	228	810	2471	6.00 - 6.75	251	228	810	378	2480	258	6.75			
8.5R17.5	XZA	6	TL		121/120L			12.5	2900	6.25	5600	6.25	224	817	2492	5.25-6.00-6.75	221	200	802	372	2447	227	5.25			
	XZT	6	TL		121/120L			14.7	2900	6.25	5600	6.25	224	817	2492	5.25-6.00-6.75	222	200	806	374	2459	227	5.25			
	XZY	6	TL		121/120L			13.4	2900	6.25	5600	6.25	224	817	2492	5.25-6.00-6.75	220	200	806	374	2460	227	5.25			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point (load capacity/authorized additional speed) variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

[illegible]

2 TECHNICAL CHARACTERISTICS 17.5 INCHES



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
9.5R17.5	X MULTI Z	6	TL		129J/27L	143J	8.50	11.6	3700	7.50	7000	7.50	250	857	2614	6.00 - 6.75	257	237	843	393	2581	270	6.75		
	XZA+	6	TL		129J/27L	143J	8.50	12.1	3700	7.00	7000	7.00	250	857	2614	6.00 - 6.75	258	236	843	392	2580	267	6.00		
	XZA	6	TL	14	129J/27L			11.6	3700	7.00	7000	7.00	250	857	2614	6.00 - 6.75	246	222	843	390	2568	252	6.00		
	XZT	6	TL		129J/27L			16.0	3700	7.00	7000	7.00	250	857	2614	6.00 - 6.75	253	231	844	391	2572	262	6.00		
	XZY	6	TL		129J/27L			14.0	3700	7.00	7000	7.00	250	857	2614	6.00 - 6.75	250	228	840	388	2559	258	6.00		
10R17.5	XZA	6	TL		134J/32L			12.5	4240	7.50	8000	7.50	264	875	2669	6.75 - 7.50	266	241	861	397	2620	273	6.75		
225/90R17.5	X/E4 MIX ENERGY	6	TL		140J/38L			13.5	3500	6.50	6600	6.50	237	867	2644	6.00 - 6.75	255	230	845	393	2573	260	6.75		
	XOW/ICE GRIP	6	TL	14	127J/25L			14.5	3500	6.50	6600	6.50	237	867	2644	6.75 - 6.00	257	232	849	395	2590	263	6.75		

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed (air Load variations according to speed do not apply to the unique point).



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern																		
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94
9.5R17.5	X MULTI Z	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50
		single								2350	2470	2580	2690	2800	2920	3030	3140	3250	3360
	XZA+	dual								4450	4670	4880	5090	5300	5520	5730	5940	6150	6360
		single							2270	2390	2510	2630	2750	2860	2980	3100	3220	3340	3460
	XZA	dual							4290	4520	4740	4970	5190	5420	5650	5870	6100	6320	6550
		single							2270	2390	2510	2630	2750	2860	2980	3100	3220	3340	3460
	XZT	dual							4290	4520	4740	4970	5190	5420	5650	5870	6100	6320	6550
		single							2270	2390	2510	2630	2750	2860	2980	3100	3220	3340	3460
	XZY	dual							4290	4520	4740	4970	5190	5420	5650	5870	6100	6320	6550
		single							2270	2390	2510	2630	2750	2860	2980	3100	3220	3340	3460
10R17.5	XZA	dual								5090	5330	5580	5820	6060	6300	6550	6790	7030	7270
		single							2050	2170	2290	2410	2530	2660	2780	2900	3020	3140	3260
225/90R17.5	XIE4 MIX ENERGY	dual							3870	4100	4320	4550	4780	5010	5230	5460	5690	5920	6140
		single							2050	2170	2290	2410	2530	2660	2780	2900	3020	3140	3260
	XDW ICE GRIP	dual							3870	4100	4320	4550	4780	5010	5230	5460	5690	5920	6140

2 TECHNICAL CHARACTERISTICS 19.5 INCHES

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for load (single) (bar)	Normal load per axle (single) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
225/70R19.5	XZE	6	TL		125/123L								6.00 - 6.75	240	227	819	378	2490	246	6.00			
	X MULTI Z	6	TL	16	136/134M			12.0	4480	7.90	8480	7.90	258	853	2602	6.75 - 7.50	246	243	845	393	2583	275	6.75
	XJE4 MIX ENERGY	6	TL		136/134L	136/134J	7.75	13.5	4480	7.75	8480	7.75	258	853	2602	6.75 - 7.50	265	242	851	395	2593	274	6.75
	XZN+ MIX ENERGY	6	TL		136/134L			12.3	4480	7.75	8480	7.75	248	839	2559	6.75 - 7.50	265	242	848	395	2589	270	6.75
245/70R19.5	XZN MIX ENERGY	6	TL		136/134L			12.3	4480	7.75	8480	7.75	248	839	2559	6.75 - 7.50	265	242	848	395	2589	270	6.75
	XZE2+	6	TL		136/134M	136/135J	7.75	13.0	4480	7.75	8480	7.75	258	853	2602	6.75 - 7.50	267	244	849	394	2590	276	6.75
	X MULTI D	6	TL	16	136/134M	136/135J	7.90	12.0	4480	7.90	8480	7.90	258	853	2602	6.75 - 7.50	263	241	847	394	2580	273	6.75
	XDE2+	6	TL		136/134M	136/135J	7.75	15.0	4480	7.75	8480	7.75	258	853	2602	6.75 - 7.50	267	244	853	396	2600	276	6.75

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point (load capacity/authorized additional speed) not apply to the unique point.

Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern																		
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94
225/70R19.5	bar																		
	single										2500	2620	2760	2830	2900	2950	3000	3140	3300
	dual										4720	4920	5200	5300	5400	5520	5640	5880	6200
	single												2980	3110	3240	3370	3500	3630	3750
	dual												5640	5880	6130	6370	6620	6860	7110
	single											2900	3030	3160	3290	3430	3560	3690	3820
	dual											5490	5740	5990	6240	6480	6730	6980	7230
	single											2900	3030	3160	3290	3430	3560	3690	3820
	dual											5490	5740	5990	6240	6480	6730	6980	7230
	single											2900	3030	3160	3290	3430	3560	3690	3820
245/70R19.5	ENERGY												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
245/70R19.5	ENERGY												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
245/70R19.5	ENERGY												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690
	dual												5490	5740	5990	6240	6480	6730	6980
	single												2900	3030	3160	3290	3430	3560	3690

Dimension	Tread Pattern	Category		PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
245/70R19.5	X/S WINTER GRIP+	6	TL		136/134L			16.5	4480	7.75	8480	7.75	258	853	2602	6.75-7.50	269	247	855	397	2610	280	6.75			
	XDW ICE GRIP	6	TL		136/134L			16.5	4480	7.75	8480	7.75	258	853	2602	6.75-7.50	268	246	857	397	2610	278	6.75			
	X MULTI Z	6	TL	14	140/138M			12.5	5000	7.60	9440	7.60	272	881	2687	6.75-7.50-8.25	287	259	864	401	2642	293	7.50			
	XZN+ MIX ENERGY	6	TL		140/138L			13.0	5000	7.75	9440	7.75	272	881	2687	6.75-7.50-8.25	296	262	870	393	2615	300	7.50			
265/70R19.5	XZN MIX ENERGY	6	TL		140/138L			13.0	5000	7.75	9440	7.75	272	881	2687	6.75-7.50-8.25	296	262	870	393	2615	300	7.50			
	XZE2+	6	TL		140/138M			13.6	5000	7.75	9440	7.75	272	881	2687	6.75-7.50-8.25	287	263	870	402	2650	297	7.50			
	XIW4+	6	TL		140/138L			15.0	5000	7.75	9440	7.75	272	881	2687	6.75-7.50-8.25	283	263	872	405	2660	298	7.50			
	X MULTI D	6	TL		140/138M			12.5	5000	7.60	9440	7.60	272	881	2687	6.75-7.50-8.25	285	262	868	402	2638	296	7.50			
	XDE2+	6	TL		140/138M			16.0	5000	7.75	9440	7.75	272	881	2687	6.75-7.50-8.25	262	262	875	404	2660	297	7.50			
	XDW ICE GRIP	6	TL		140/138L			16.0	5000	7.75	9440	7.75	272	881	2687	6.75-7.50-8.25	288	264	875	405	2670	299	7.50			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed/joint Load variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																											
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
245/70R19.5	XIS WINTER GRIP+	single	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00
		dual										2900	3030	3160	3290	3430	3560	3690	3820	3950	4080	4220	4350	4480					
		single										5490	5740	5990	6240	6480	6730	6980	7230	7480	7730	7980	8230	8480					
		dual										2900	3030	3160	3290	3430	3560	3690	3820	3950	4080	4220	4350	4480					
												5490	5740	5990	6240	6480	6730	6980	7230	7480	7730	7980	8230	8480					
265/70R19.5	X MULTIZ	single										3440	3590	3740	3890	4040	4190	4340	4490	4640	4790	4940							
		dual										6500	6780	7070	7350	7630	7910	8200	8480	8760	9040	9330							
	XZN+- MIX ENERGY	single										3240	3380	3530	3680	3820	3970	4120	4260	4410	4560	4710	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	XZN MIX ENERGY	single										3240	3380	3530	3680	3820	3970	4120	4260	4410	4560	4710	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	XZE2+	single										3230	3380	3530	3670	3820	3970	4110	4260	4410	4550	4700	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	XIW4+	single										3440	3590	3740	3890	4040	4190	4340	4490	4640	4790	4940							
		dual										6500	6780	7070	7350	7630	7910	8200	8480	8760	9040	9330							
265/70R19.5	XDE2+	single										3230	3380	3530	3670	3820	3970	4110	4260	4410	4550	4700	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	XIW4+	single										3230	3380	3530	3670	3820	3970	4110	4260	4410	4550	4700	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	X MULTID	single										3230	3380	3530	3670	3820	3970	4110	4260	4410	4550	4700	4850	5000					
265/70R19.5		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	XDE2+	single										3230	3380	3530	3670	3820	3970	4110	4260	4410	4550	4700	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					
	XDW ICE GRIP	single										3230	3380	3530	3670	3820	3970	4110	4260	4410	4550	4700	4850	5000					
		dual										6110	6390	6660	6940	7220	7500	7770	8050	8330	8610	8880	9160	9440					

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)		Original tread depth		Nominal load per axle (single) (kg)		Nominal pressure for load (single) (bar)		Nominal load per axle (dual) (kg)		Nominal pressure for load (dual) (bar)		Maximum section width in service (mm)		Maximum diameter in service (mm)		Rolling circumference (mm)		Approved rim(s) ETRTO		Laden section width (mm) (2)		Free section width (mm) (2)		Diameter (mm) (2)		Static laden radius (mm) (2)		Rolling circumference (mm) (2)		Minimum dual spacing (mm) (2)		Recommended rim(s) by MICHELIN		Tube	Flap	Seal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair load variations according to speed do not apply to the unique point.

Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																											
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
285/70R19.5	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
	single											3810	3980	4140	4310	4480	4640	4810	4970	5140	5300	5470	5640	5800	5970				
	dual											7120	7430	7730	8040	8350	8660	8970	9280	9590	9900	10210	10520	10830	11140				
	single											3680	3840	4000	4160	4320	4480	4640	4800	4960	5120	5280	5440	5600					
	dual											6970	7270	7570	7870	8180	8480	8780	9090	9390	9690	9990	10300	10600					
	single											3810	3980	4140	4310	4480	4640	4810	4970	5140	5300	5470	5640	5800	5970				
	dual											7120	7430	7730	8040	8350	8660	8970	9280	9590	9900	10210	10520	10830	11140				
	single											3680	3840	4000	4160	4320	4480	4640	4800	4960	5120	5280	5440	5600					
305/70R19.5	dual											6970	7270	7570	7870	8180	8480	8780	9090	9390	9690	9990	10300	10600					
	single											4040	4220	4390	4570	4740	4920	5100	5270	5450	5620	5800	5970	6150					
	dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	single											4040	4220	4390	4570	4740	4920	5100	5270	5450	5620	5800	5970	6150					
305/70R19.5	dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	single											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					



Dimension	Tread Pattern	Category	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
8.25R20	XZE	6 TT		133/131K	133/131L	6.50	11.6	4120	6.50	7800	6.50	239	980	2989	5.5-85.5-6.0 6.001-86.0-6.5 86.5-7.0-87.0	256	232	962	451	2950	263	6.50	20 K	20x7.50	
9.00R20	XZE2	2 TT	16	144/142K			13.7	5600	9.00	10600	9.00				6.0-6.00T 6.5-7.0-7.5	283	256	1017	476.5	3115	290	7.00	20 M	20x7.50	
10.00R20	XZE3 R	2 TT	16	147/148K			12.5	6150	8.00	10900	8.00	286	1074	3276	6.50-7.00-7.50	307	277	1049	489	3212	314	7.50	20 N	20x7.50	
	XZE2	2 TT	16	147/143K	146/143L	7.75	13.8	6150	8.00	10900	8.00	286	1074	3276	6.50-7.00-7.50	307	277	1053	490	3211	314	7.50	20 N	20x7.50	
	XZY3 HD	3 TT	16	147/148K			15.6	6150	7.90	10900	7.90	286	1074	3276	6.50-7.00 7.50-8.00	309	277	1057	495		313	7.50	20 N	20x7.50	
	XZY3	3 TT	16	147/148K			16.6	6150	8.00	10900	8.00	286	1073	3273	7.0-7.33	311	280	1060	494	3226	317	7.50	20 N	20x7.50	
	XDY3 HD	3 TT	16	147/143K			19.8	6150	7.90	10900	7.90	286	1074	3276	6.50-7.00 7.50-8.00	309	279	1059	493	3240	316	7.50	20 N	20x7.50	
	XDY3	3 TT	16	147/143K			19.8	6150	8.00	10900	8.00	286	1073	3273	7.0-7.33-7.5-8.0	310	281	1064	497	3240	318	7.50	20 N	20x7.50	

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern																				
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102
8.25R20		bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
	XZE	single					2420	2560	2700	2840	2980	3130	3270	3410	3550	3690	3840	3980	4120		
9.00R20							4570	4840	5110	5380	5650	5920	6190	6460	6720	6990	7260	7530	7800		
	16PR	single															3880	4020	4160	4310	4450
10.00R20																	7340	7610	7880	8150	8430
	XZE 3 R	single											4040	4220	4390	4570	4740	4920	5100	5270	5450
		dual											7160	7470	7790	8100	8410	8720	9030	9340	9650
		single											4040	4220	4390	4570	4740	4920	5100	5270	5450
	XZE 2	dual											7160	7470	7790	8100	8410	8720	9030	9340	9650
		single											4090	4270	4440	4620	4800	4980	5150	5330	5510
	XZV3 HD	dual											7250	7560	7880	8190	8510	8820	9140	9450	9770
		single											4040	4220	4390	4570	4740	4920	5100	5270	5450
	XZV 3	dual											7160	7470	7790	8100	8410	8720	9030	9340	9650
		single											4090	4270	4440	4620	4800	4980	5150	5330	5510
XDV3		dual											7250	7560	7880	8190	8510	8820	9140	9450	9770
		single											4040	4220	4390	4570	4740	4920	5100	5270	5450
		dual											7160	7470	7790	8100	8410	8720	9030	9340	9650
		single											4090	4270	4440	4620	4800	4980	5150	5330	5510

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
11.00R20	XZE 3 R	2	TT	16	150/146K	150/1471	8,00	12,3	6700	8,00	12000	8,00	297	1104	3367	6.50-7.0-7.5 7.33-8.0	324	295	1081	503	3311	334	8.00	20 P	20x8.50	
	XZE 2	2	TT	16	147/143K			13,8	6150	8,00	10900	8,00	286	1074	3276	6.50-7.0-7.5 7.33-8.0	307	277	1053	490	3211	314	7.50	20 N	20x8.50	
	XZE 2	2	TT	16	150/146K			14,3	6700	8,00	12000	8,00	297	1104	3367	7.33V-7.5-8.0 8.5-88.5-9.0	329	297	1082	503	3303	336	8.00	20 P	20x8.50	
	XZY 3	3	TT	16	150/146K			17,5	6700	8,00	12000	8,00	297	1104	3367	7.5-8.0-8.0V 8.5-8.50V	330	298	1090	506	3327	337	8.00	20 P	20x8.50	
	XDY 3	3	TT	16	150/146K			20,8	6700	8,00	12000	8,00	297	1104	3367	7.33-7.50-8.00 8.50-9.00	331	300	1096	509	3329	340	8.00	20 P	20x8.50	
	XZE 2	2	TT	18	154/150K			15,2	7500	8,50	13400	8,50	319	1146	3495	8.00V-8.5 8.50V-9.00V	345	313	1121	521	3420	354	8.50	20 Q	20x8.50	
12.00R20	XZY 3	3	TT	18	154/150K			18,1	7500	8,50	13400	8,50	319	1146	3495	7.33-8.00	348	315	1129	527	3451	357	8.50	20 Q	20x8.50	

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension		Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		Tread pattern																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	134
	bar		2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	9.25
	single												4400	4590	4790	4980	5170	5360	5550	5740	5930	6130	6320	6510	6700					
	dual												7890	8230	8570	8910	9260	9600	9940	10290	10630	10970	11310	11660	12000					
	single												4040	4220	4390	4570	4740	4920	5100	5270	5450	5620	5800	5970	6150					
	dual												7160	7470	7790	8100	8410	8720	9030	9340	9650	9970	10280	10590	10900					
11.00R20	single												4400	4590	4790	4980	5170	5360	510	5740	5930	6130	6320	6510	6700					
	dual												7890	8230	8570	8910	9260	9600	9940	10290	10630	10970	11310	11660	12000					
	single												4400	4590	4790	4980	5170	5360	510	5740	5930	6130	6320	6510	6700					
	dual												7890	8230	8570	8910	9260	9600	9940	10290	10630	10970	11310	11660	12000					
	XZY 3																													
	bar												4400	4590	4790	4980	5170	5360	5550	5740	5930	6130	6320	6510	6700					
	single												7890	8230	8570	8910	9260	9600	9940	10290	10630	10970	11310	11660	12000					
	dual												4400	4590	4790	4980	5170	5360	5550	5740	5930	6130	6320	6510	6700					
	single												7890	8230	8570	8910	9260	9600	9940	10290	10630	10970	11310	11660	12000					
	dual												4400	4590	4790	4980	5170	5360	5550	5740	5930	6130	6320	6510	6700					
12.00R20	bar																													
	single																													
	dual																													
	single																													
	dual																													

2 TECHNICAL CHARACTERISTICS 20-24 INCHES

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Norminal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal	
12.00R20	XZH2 R	3	TL		154/149G	156F	9.00	22.0	7500	8.50	13000	8.50	319	1146	3495	7.23V-8.0-8.0V 688.0-8.5-8.50V 688.5-9.0-9.00V	350	319	1140	531	3468	360	8.50	8.50	20x8.50		
	XDV 3	3	TT	18	154/150K			21.0	7500	8.50	13400	8.50	319	1158	3532	7.33 - 8.00	351	318	1135	529	3456	361	8.50	8.50	20 Q	20x8.50	
325 95R24	X WORKS XZ	3	TL		162/160K			19.0	9500	8.50	18000	8.50	327	1252	3819	8.50	347	311	1223	566	3747	352	8.50	8.50		24/25x8.50	
	X WORKS XD	3	TL		162/160K			22.0	9500	8.50	18000	8.50	327	1265	3858	8.50	348	314	1230	570	3760	355	8.50	8.50		24/25x8.50	

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair load variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	134
		bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	9.25
12.00R20	XZH2 R	single										4500	4630	4880	5070	5270	5470	5680	5880	6080	6280	6490	6690	6890	7090	7300	7500			
		dual										7800	8130	8450	8780	9140	9490	9840	10190	10540	10890	11240	11590	11950	12300	12650	13000			
	XDY 3	single													5070	5270	5470	5680	5880	6080	6280	6490	6690	6890	7090	7300	7500			
		dual													9050	9420	9780	10140	10500	10860	11230	11590	11950	12310	12680	13040	13400			
325.95R24	X WORKS XZ	single															6930	7190	7450	7700	7960	8220	8470	8730	8990	9240	9500			
		dual															13140	13620	14110	14590	15080	15570	16050	16540	17030	17510	18000			
	X WORKS XD	single															6930	7190	7450	7700	7960	8220	8470	8730	8990	9240	9500			
		dual															13140	13620	14110	14590	15080	15570	16050	16540	17030	17510	18000			



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
445/45R19.5	XTA2 ENERGY	1	TL		160J			13.0 9000	9.00							14.00	463	436	903	413	2761		14.00			
	X ONE LINE ENERGY D	1	TL		LRL			19.2 9250	8.25							14.00		1021	471				14.00			
	X ONE LINE ENERGY T	1	TL		LRL			10.3 9250	8.25							14.00		1004	465				14.00			
	X ONE MULTI ENERGY T	2	TL		LRL			12.7 9250	8.25							14.00		1008	467				14.00			
385/55R22.5	X ONE XTE	2	TL		LRL			12.7 9250	8.25							14.00	460	435	1008	465	3094		14.00			
	XFA2 ENERGY	1	TL		158L	160J	9.00	13.0 8500	9.00		401	1012	3087	11.75	3087	11.75	406	380	997	461	3040	11.75	11.75			
	X MULTI T	2	TL		160K	158L	8.50	13.0 9000	9.00		401	1012	3087	11.75	3087	11.75	406	378	998	460	3068	11.75	11.75			
	X ENERGY SAVERGREEN XT	1	TL		160J	158L	8.50	14.3 9000	9.00		381	996	3038	11.75	3038	11.75	406	380	1002	463	3072	11.75	11.75			
455/55R22.5	X ONE XZV3	3	TL		LRM			10.3 10600	9.00							14.00	480	452	1065	492	3245		14.00			
	X ONE XZU S	5	TL		LRM			18.7 10600	9.00							14.00	480	452	1095	492	3245		14.00			
	X ONE XDZ2	2	TL		LRL			21.6 10000	9.00							14.00	1076	497					14.00			
	X ONE X MULTI ENERGY T	2	TL		LRL			12.8 10000	9.00							14.00	1058	490					14.00			
	X ONE XTE*	2	TL		LRL			12.7 10000	8.50							14.00	446	1058	488	3244			14.00			

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																											
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
445/45R19.5	XTA2 ENERGY	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00
	X ONE LINE ENERGY D	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000
	X ONE LINE ENERGY T	single												6300	6640	6420	6699	6978	7257	7536	7816	8240	8374	8653	8932	9250			
	X ONE MULTI ENERGY T	single												6300	6640	6420	6699	6978	7257	7536	7816	8240	8374	8653	8932	9250			
385/55R22.5	X ONE XTE	single														6625	6890	7150	7415	7675	7940	8200	8465	8725	8985	9250			
	XFA2 ENERGY	single															5880	6100	6320	6540	6760	6970	7190	7410	7630	7850	8060	8280	8500
	X MULTI T	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000
	X ENERGY SAVERGREEN XT	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000
455/55R22.5	X ONE XZV3	single															7626	7904	8220	8497	8653	8900	9128	9433	9701	10000	10121	10419	10600
	X ONE XZU S	single															7626	7904	8220	8497	8653	8900	9128	9433	9701	10000	10121	10419	10600
	X ONE XDNI	single												6800	7160	7462	7697	7935	8155	8469	8688	8911	9145	9450	9663	10000			
	X ONE X MULTI ENERGY T	single												6800	7160	7462	7697	7935	8155	8469	8688	8911	9145	9450	9663	10000			
	X ONE XTE*	single															7670	7905	8135	8370	8600	8835	9070	9300	9535	9765	10000		

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth			Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
								Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)																		
385/65R22.5	X MULTI F	2	TL		158L	160K	9.00	12.5	8500	8.50					405	1092	3331	11.75	404	376	1073	497	3288		11.75			
	X LINE ENERGY F	1	TL		160K	158L	9.00	12.0	9000	9.00					405	1092	3331	11.75	405	376	1066	495	3270		11.75			
	XFE	2	TL		160K			16.3	9000	9.00					405	1092	3331	11.75	404	379	1072	499	3270		11.75			
	XFN 2	2	TL		158L	160J	9.00	15.4	8500	8.50					405	1103	3364	11.75 - 12.25	409	380	1074	498	3274		11.75			
	X MULTIWAY HD XZE	2	TL		164K			15.3	10000	9.00					405	1103	3364	11.75	414	384	1078	497	3309		11.75			
	XZY 3	3	TL		160K	158L	8.50	17.7	9000	9.00					405	1092	3331	11.75 - 12.25	409	379	1078	499	3280		11.75			
	X LINE ENERGY T	1	TL		160K	158L	8.50	12.4	9000	9.00					405	1103	3364	11.75	406	377	1066	494	3272		11.75			
	X MULTI T	2	TL		160K	158L	8.50	15.3	9000	9.00					405	1103	3364	11.75	403	377	1070	496	3286		11.75			
	X ENERGY SAVERGREEN XT	1	TL		160J	158L	8.50	16.0	9000	9.00					389	1072	3270	11.75	407	376	1072	498	3286		11.75			
	XTE 3	2	TL		160J	158L	8.50	17.3	9000	9.00					389	1092	3331	11.75	407	378	1074	497	3292		11.75			
	XZY 3	3	TL	20	165K			18.1	10300	8.50					430	1157	3529	13.00 - 14.00	453	421	1136	523	3460		13.00			
	XTE2	2	TL	20	165K			16.3	10300	8.50					447	1046	3190	13.00 - 14.00	449	421	1130	522	3440		13.00			
445/65R22.5	XZY 3	3	TL		169K			18.5	11600	9.00					472	1174	3581	14.00	486	451	1164	536	3540		14.00			
	XTE2	2	TL	20	169K			16.8	11600	9.00					472	1174	3581	14.00	481	451	1158	534	3520		14.00			

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
385/65R22.5	bar	single																												
	X MULTI F	single															6200	6430	6660	6890	7120	7350	7580	7810	8040	8270	8500			
	X LINE ENERGY F	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000	
	XFE	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000	
	XFN 2	single													5740	5970	6200	6430	6660	6890	7120	7350	7580	7810	8040	8270	8500			
	X MULTIWAY HD XZE	single															6920	7180	7440	7690	7950	8210	8460	8720	8970	9230	9490	9740	10000	
	XZY 3	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000	
	X LINE ENERGY T	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000	
	X MULTI T	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000	
	X ENERGY SAVER GREEN XT	single															6230	6460	6690	6920	7150	7380	7620	7850	8080	8310	8540	8770	9000	
425/65R22.5	XTE 3	single															7520	7790	8070	8350	8630	8910	9190	9460	9740	10020	10300			
	XZY 3	single													6960	7240	7520	7790	8070	8350	8630	8910	9190	9460	9740	10020	10300			
	XTE2	single															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600	
445/65R22.5	XZY 3	single															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600	
	XTE2	single															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600	



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
9R22.5	XZA	6	TL		133/131L			13.0	4120	6.50	7800	6.50	239	986	3007	6.00 - 6.75	245	222	965	450	2950	251	6.00			
	XZY	3	TL		133/131K			13.8	4120	6.50	7800	6.50	239	986	3007	6.00 - 6.75	246	219	969	450	2960	248	6.00			
10R22.5	XZA	2	TL		144/142L			15.0	5600	8.00	10600	8.00	264	1038	3166	6.75 - 7.50	270	245	1014	473	3100	277	6.75			
	XZY	3	TL		144/142K			13.9	5600	8.00	10600	8.00	264	1038	3166	6.75 - 7.50	271	244	1017	473	3110	276	6.75			
11R22.5	X MULTI Z	2	TL	16	148/145L			13.8	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	302	281	1048	492	3267	314	8.25			
	X INCITY Z	5	TL	16	148/145J	151/148E	8.30	16.0	6300	8.30	11600	8.30	290	1070	3264	7.50 - 8.25	308	282	1054	492	3221	320	8.25			
	X COACH ENERGY Z	8	TL		148/145M			13.8	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	302	281	1048	492	3267	314	8.25			
	XZA 2+ ENERGY	1	TL		148/145M			14.7	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	299	267	1056	489	3228	302	7.50			
	XIE4 MIX ENERGY	1	TL	16	148/145L			14.3	6300	8.00	11600	8.00	279	1037	3163	7.50 - 8.25	304	275	1048	486	3198	311	7.50			
	XIW4+	2	TL	16	148/145L			16.3	6300	8.00	11600	8.00	279	1037	3163	7.50 - 8.25	303	275	1054	490	3220	311	7.50			
	XZE2+	2	TL	16	148/145L			15.2	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	303	273	1055	490	3225	309	7.50			

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
9R2.2.5	bar	2.50	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
	single						2420	2560	2700	2840	2980	3130	3270	3410	3550	3690	3840	3980	4120											
	dual						4570	4840	5110	5380	5650	5920	6190	6460	6720	6990	7260	7530	7800											
	single						2420	2560	2700	2840	2980	3130	3270	3410	3550	3690	3840	3980	4120											
10R22.5	dual						4570	4840	5110	5380	5650	5920	6190	6460	6720	6990	7260	7530	7800											
	single												3680	3840	4000	4160	4320	4480	4640	4800	4960	5120	5280	5440	5600					
	dual												6970	7270	7570	7870	8180	8480	8780	9090	9390	9690	9990	10300	10600					
	single												4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
11R22.5	X MULTI Z	dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	X INCITY Z	single												4180	4350	4520	4700	4870	5050	5220	5400	5570	5740	5920	6090	6270				
		dual												7690	8010	8330	8650	8970	9290	9610	9930	10250	10570	10890	11220	11540				
	X COACH ENERGY Z	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	XZA 2+ ENERGY	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	X/EA MIX ENERGY	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	XW4+	single												4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300				
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
		single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
dual												7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600						
XZE2+	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300						
	dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600						



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
11R22.5	XZY 3	3	TL 16		148/145K			19.0	6300	8.00	11600	8.00	290	1070	3264	7.50	303	275	1060	493	3236	311	7.50			
	XZY-2	3	TL 16		148/145K			18.2	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	305	280	1059	492	3230	316	7.50			
	XZU3+	5	TL 16		148/145J	151/148E	8.00	19.7	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	303	275	1065	495	3227	311	7.50			
	XJS WINTER GRIP+	2	TL 16		148/145J			18.9	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	298	270	1060	493	3240	305	7.50			
	X MULTI D	2	TL 16		148/145L			21.5	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	297	268	1066	496	3234	303	7.50			
	XDE M/S*	2	TL 16		LRH			28.0	6000	8.25	10900	8.25	290	1070	3264	7.50 - 8.25	308	285		493	3238	318	8.25, 7.50			
	XDY3	3	TL 16		148/145K			21.5	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	306	277	1065	496	3250	314	7.50			
	XDW /CE GRIP	2	TL 16					19.0	6300	8.00	11600	8.00	290	1070	3264	7.50 - 8.25	309	279	1055	491	3220	315	7.50			
	X MULTI T	2	TL 16		148/145L	152/148J	8.30	13.5	6300	8.30	11600	8.30	290	1070	3264	7.50 - 8.25	301	272	1048	487	3206	308	8.25			
	XTE2	2	TL 14		142/142J			13.7	5300	8.00	10600	8.00	269	1064	3245	7.50 - 8.25	293	268	1050	492	3216	303	7.50			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed (air load variations according to speed do not apply to the unique point).



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
11R22.5	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00		
	XZY 3	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	XZY+2	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	XZU3+	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	XUS WINTER GRIP+	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	X MULTID	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
	XDE M/S*	single												4360	4520	4650	4840	5040	5200	5320	5480	5600	5710	5790	5900	6000				
		dual												8380	8640	8850	9170	9520	9840	10080	10380	10600	10690	10760	10850	10900				
	XDY 3	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300					
		dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600					
XDW ICE GRIP	single											4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300						
	dual											7620	7950	8290	8620	8950	9280	9610	9940	10270	10610	10940	11270	11600						
X MULTI T	single															4700	4870	5050	5220	5400	5570	5740	5920	6080	6270					
	dual											3480	3630	3790	3940	4090	4240	4390	4540	4690	4850	5000	5150	5300	11540					
XTF2	single											6970	7270	7570	7870	8180	8480	8780	9090	9390	9690	9990	10290	10590	10890	11190				
	dual																													



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
12R22.5	X LINE ENERGY Z	1	TL	18	152/149L			15.6	7100	8.50	13000	8.50	312	1104	3367	8.25 - 9.00	317	287	1084	503	3312	329	8.25			
	X MULTI Z	2	TL	18	152/149L			14.5	7100	8.50	13000	8.50	312	1104	3367	8.25 - 9.00	323	296	1082	505	3314	338	8.25			
	X WORKS XZY	3	TL	16	152/149K			18.5	7100	8.50	13000	8.50	312	1104	3367	8.25 - 9.00	323	290	1092	507	3334	328	8.25			
	XZE2+	2	TL	18	152/149L			15.5	7100	8.50	13000	8.50	312	1104	3367	8.25 - 9.00	318	287	1085	504	3310	325	8.25			
	XZY-2	3	TL	16	152/148K			18.2	7100	8.50	12600	8.50	312	1104	3367	8.25 - 9.00	328	291	1092	507	3330	329	8.25			
	X WORKS XDY	3	TL	16	152/149K			23.2	7100	8.50	13000	8.50	312	1104	3367	8.25 - 9.00	322	292	1096	511	3350	330	8.25			
	XDE2+	2	TL	18	152/149L			23.2	7100	8.50	13000	8.50	312	1104	3367	8.25 - 9.00	319	288	1094	510	3340	326	8.25			
	XDE2+	2	TL	16	152/148L			23.2	7100	8.50	12600	8.50	312	1104	3367	8.25 - 9.00	320	288	1094	510	3340	326	8.25			
	XDY 3	3	TL	16	152/148K			22.3	7100	8.50	12600	8.50	312	1104	3367	8.25 - 9.00	320	290	1097	510	3350	328	8.25			

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern																		
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94
		bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50
12R22.5	X LINE ENERGY Z	single																4800	5370
		dual																5180	5560
		single																4800	5370
	X MULTI Z	dual																4800	5370
		single																4800	5370
		dual																4800	5370
	X WORKS XZY	single																4800	5370
		dual																4800	5370
		single																4800	5370
	XZE2+	dual																4800	5370
		single																4800	5370
		dual																4800	5370
	XZY-2	single																4800	5370
		dual																4800	5370
		single																4800	5370
	X WORKS XDY	dual																4800	5370
		single																4800	5370
		dual																4800	5370
	XOE2+	single																4800	5370
		dual																4800	5370
		single																4800	5370
	XOE2+	dual																4800	5370
		single																4800	5370
		dual																4800	5370
	XDY 3	single																4800	5370
		dual																4800	5370
		single																4800	5370

Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
13R22.5	X WORKS HD Z	3	TL 18	156/151K	158/152G	9.00	17.0	8000	8.75	13800	8.75	320	1158	3532	9.00 - 9.75	340	307	1122	523	3425	349	9.00				
	WORKS XZY	3	TL 18	156/150K			18.0	8000	8.75	13400	8.75	320	1158	3532	9.00 - 9.75	309	309	1122	520	3425	349	9.00				
	XZE 2	2	TL 18	156/150L			16.0	8000	8.50	13400	8.50	326	1146	3495	9.00 - 9.75	344	310	1122	519	3420	351	9.00				
	XZH2 R	3	TL 18	154/150G	156/150F	9.00	22.0	7500	8.00	13400	8.00	326	1146	3495	9.00 - 9.75	347	317	1135	528	3456	359	9.00				
	X WORKS HD D	3	TL 18	156/151K	158/152G	9.00	21.8	8000	8.75	13800	8.75	320	1158	3532	9.00 - 9.75	343	306	1129	524	3430	349	9.00				
	X WORKS XDY	3	TL 18	156/150K			22.5	8000	8.75	13400	8.75	320	1158	3532	9.00 - 9.75	341	308	1130	525	3430	349	9.00				
	XDY 3	3	TL 18	154/150K	156G	8.50	23.6	7500	8.00	13400	8.00	326	1146	3495	9.00 - 9.75	343	310	1136	527	3465	351	9.00				
	XZAS ENERGY	1	TL	150/147K	149/146L	8.50	12.5	6700	9.00	12300	9.00	304	940	2867	9.00 - 9.75	311	290	918	424	2800	330	9.00				
	XDA 2+ ENERGY	1	TL	150/147K	149/146L	9.00	18.2	6700	9.00	12300	9.00	304	940	2867	9.00 - 9.75	312	289	928	429	2830	330	9.00				
	X MULTIWAY XD	2	TL	150/147K	149/146L	9.00	18.2	6700	9.00	12300	9.00	304	948	2891	9.00 - 9.75	312	289	927	430	2809	330	9.00				
295/60R22.5																										

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																											
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
13R22.5	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
	single															5680	5890	6110	6320	6530	6740	6950	7160	7370	7580	7790	8000		
	dual															9810	10170	10530	10890	11260	11620	11980	12350	12710	13070	13440	13800		
	single															5680	5890	6110	6320	6530	6740	6950	7160	7370	7580	7790	8000		
	dual															9520	9870	10230	10580	10930	11280	11640	11990	12340	12690	13050	13400		
	single																		6270	6485	6700	6920	7140	7350	7570	7780	8000		
	dual																		10500	10865	11230	11590	11950	12310	12680	13040	13400		
	single												4930	5140	5360	5570	5790	6000	6210	6430	6640	6860	7070	7290	7500				
	dual												8810	9190	9570	9950	10340	10720	11100	11490	11870	12250	12630	13020	13400				
	single																5680	5890	6110	6320	6530	6740	6950	7160	7370	7580	7790	8000	
dual																9810	10170	10530	10890	11260	11620	11980	12350	12710	13070	13440	13800		
single																5680	5890	6110	6320	6530	6740	6950	7160	7370	7580	7790	8000		
dual																9520	9870	10230	10580	10930	11280	11640	11990	12340	12690	13050	13400		
single												4930	5140	5360	5570	5790	6000	6210	6430	6640	6860	7070	7290	7500					
dual												8810	9190	9570	9950	10340	10720	11100	11490	11870	12250	12630	13020	13400					
295/60R22.5	single															4640	4810	4980	5150	5330	5500	5670	5840	6010	6180	6360	6530	6700	
	dual															8520	8830	9150	9460	9780	10090	10410	10720	11040	11350	11670	11980	12300	
	single															4640	4810	4980	5150	5330	5500	5670	5840	6010	6180	6360	6530	6700	
	dual															8520	8830	9150	9460	9780	10090	10410	10720	11040	11350	11670	11980	12300	
single																4640	4810	4980	5150	5330	5500	5670	5840	6010	6180	6360	6530	6700	
dual																8520	8830	9150	9460	9780	10090	10410	10720	11040	11350	11670	11980	12300	



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
315/60R22.5	XZA2 ENERGY	1	TL		152/148L			12.5	7100	9.00	12600	8.50	326	966	2946	9.00 - 9.75	335	314	952	441	2900	350	9.00			
	XDA 2+ ENERGY	1	TL		152/148L			19.0	7100	9.00	12600	8.50	326	966	2946	9.00 - 9.75	337	313	964	447	2940	350	9.00			
255/70R22.5	XZA	1	TL		140/137M	140L	8.50	13.0	5000	8.00	9200	8.00	265	944	2879	6.75 - 7.50 - 8.25	271	248	930	433	2841	281	6.75			
	XZE*	2	TL		LRH			14.3	5000	8.25	9200	8.25	265	944	2879	6.75 - 7.50 - 8.25	280	260	932	437	2856	295	7.50			
275/70R22.5	X MULTI Z	2	TL	18	148/145L	149/146K	9.00	14.0	6300	9.00	11600	9.00	287	974	2971	7.50 - 8.25	302	278	959	448	2942	311	7.50			
	X INCITY Z	5	TL	18	148/145L	152/148E		16.0	6300	9.00	11600	9.00	287	974	2971	7.50 - 8.25	299	276	962	448	2933	303	7.50			
	XZE2+	2	TL	18	148/145M			15.0	6300	9.00	11600	9.00	287	974	2971	7.50 - 8.25	299	276	966	448	2950	312	7.50			
	XJW4+	2	TL		148/145L			16.3	6300	9.00	11600	8.50	287	974	2971	7.50 - 8.25 - 9.00	298	276	969	450	2960	312	7.50			
	X MULTI D	2	TL	18	148/145L	149/146K	9.00	15.0	6300	9.00	11600	9.00	287	974	2971	7.50 - 8.25	298	274	958	446	2929	310	7.50			
	XDE2+	2	TL	16	148/145M			18.5	6300	9.00	11600	9.00	287	974	2971	7.50 - 8.25	299	275	973	454	2970	311	7.50			

• (1) ETRTO rating Standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN. • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair load variations according to speed do not apply to the unique point.





Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	psi																										
		36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131
315/60R22.5	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00
	single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100
	dual															9190	9540	9880	10220	10560	10900	11240	11580	11920	12260	12600		
	XDA 2+ ENERGY															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100
255/70R22.5	single											3290	3430	3570	3710	3860	4000	4140	4290	4430	4570	4710	4860	5000				
	dual										6050	6310	6570	6830	7100	7360	7620	7890	8150	8410	8670	8940	9200					
	single															3800	3910	4020	4130	4240	4360	4480	4600	4700	4800	4900	5000	
	XZE*															7200	7400	7600	7800	8000	8120	8240	8360	8570	8780	8990	9200	
275/70R22.5	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	dual															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	X INCITY Z															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
275/70R22.5	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	dual															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	XW4+															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
275/70R22.5	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	dual															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	X MULTI D															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
275/70R22.5	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	dual															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600
	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	XDE2+															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
275/70R22.5	XDW ICE GRIP	2	TL		148/145L			19.0	6300	9,00	11600	8.50	287	974	2971	7.50 - 8.25	299	276	970	452	2970	311	7.50		
	X MULTI T	2	TL	18	148/145L	152/148J		14.0	6300	9,00	11600	9.00	287	974	2971	7.50 - 8.25	303	280	960	447	2943	311	7.50		
	XTA2 ENERGY	1	TL		152/148J			12.4	7100	9,00	12600	9.00	287	974	2971	7.50 - 8.25	298	271	954	440	2924	307	7.50		
	XTY2	3	TL	16	148/145J			17.0	6300	9,00	11600	8.50	287	974	2971	7.50 - 8.25	298	276	970	450	2960	312	7.50		
305/70R22.5	X MULTI Z	2	TL	20	152/150L			13.5	7100	9,00	13400	9.00	317	1018	3105	8.25 - 9.00	333	308	1010	471	3093	340	8.25		
	X INCITY Z	5	TL		153/150J			19.2	7100	9,00	13400	9.00	317	1018	3105	8.25 - 9.00			1003	468		341	8.25		
	XZA2 ENERGY	1	TL	16	152/148L	150/147M	8.50	12.5	7100	9,00	12600	9.00	317	1018	3105	8.25 - 9.00	324	300	995	460	3030	339	8.25		
	XZU2T	5	TL	16	150/147J	154/150E	8.75	17.5	6700	8.50	12300	8.00	317	1018	3105	8.25 - 9.00	327	302	1003	465	3060	342	8.25		
	XDA 2+ ENERGY	1	TL		152/148L	150/147M	8.50	16.0	7100	9,00	12600	9.00	309	1028	3135	8.25 - 9.00	325	299	1002	466	3064	340	8.25		
	XDE2+	2	TL		152/148L	150/147M	8.50	19.0	7100	9,00	12600	9.00	317	1018	3105	8.25 - 9.00	325	301	1006	467	3070	340	8.25		

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
275/70R22.5	XDW/ICE GRIP	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
		dual																4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300
	X MULTI T	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300	
		dual															8030	8330	8630	8920	9220	9520	9820	10110	10410	10710	11010	11300	11600	
	XTA2 ENERGY	single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100	
		dual															8720	9050	9370	9690	10020	10340	10660	10980	11310	11630	11950	12280	12600	
	XTV2	single															4360	4520	4680	4850	5010	5170	5330	5490	5650	5820	5980	6140	6300	
		dual															8460	8780	9090	9410	9720	10030	10350	10660	10970	11290	11600			
	305/70R22.5	X MULTI Z	single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100
			dual															9280	9620	9960	10310	10650	10990	11340	11680	12030	12370	12710	13060	13400
X INCTV Z		single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100	
		dual															9280	9620	9960	10310	10650	10990	11340	11680	12030	12370	12710	13060	13400	
XZA2 ENERGY		single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100	
		dual															8720	9050	9370	9690	10020	10340	10660	10980	11310	11630	11950	12280	12600	
XZU2T		single													4530	4710	4890	5070	5250	5430	5610	5790	5980	6160	6340	6520	6700			
		dual													8790	9140	9490	9840	10190	10540	10890	11250	11600	11950	12300					
XDA 2+ ENERGY		single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100	
		dual															8720	9050	9370	9690	10020	10340	10660	10980	11310	11630	11950	12280	12600	
XDZ2+	single															4920	5100	5280	5460	5640	5830	6010	6190	6370	6550	6740	6920	7100		
	dual															8720	9050	9370	9690	10020	10340	10660	10980	11310	11630	11950	12280	12600		



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal	
315/70R22.5	X MULTWAY 3D XZE	2	TL		156/150L			14.2	8000	9.00	13400	9.00	318	1032	3148	9.00	345	317	1014	470	3099	350	9.00				
	X MULTWAY 3D XDE	2	TL		154/150L			18.3	7500	9.00	13400	9.00	318	1040	3172	9.00	342	316	1020	476	3109	350	9.00				
	XDA 2+ ENERGY	1	TL		154/150L	152/148M	8.50	17.0	7500	9.00	13400	9.00	318	1032	3148	9.00 - 9.75	344	316	1020	474	3113	350	9.00				
	XDW ICE GRIP	2	TL		154/150L			16.3	7500	9.00	13400	9.00	318	1032	3148	9.00 - 9.75	339	318	1018	473	3110	350	9.00				
275/80R22.5	XZN+ MIX ENERGY	2	TL		151/148L	149/146L	9.00	14.6	6900	9.00	12600	9.00	276	1012	3087	7.50 - 8.25	306	278	1021	474	3117	315	7.50				
	XZN MIX ENERGY	2	TL		151/148L	149/146L	9.00	14.6	6900	9.00	12600	9.00	276	1012	3087	7.50 - 8.25	306	278	1021	474	3117	315	7.50				
	X INCTY XZU3	5	TL		149/146L	152/148E	8.75	17.5	6500	8.50	12000	8.50	287	1030	3142	7.50 - 8.25	306	278	1027	478	3138	315	7.50				
	XZE2+	2	TL	16	149/146L				15.5	6500	8.50	12000	8.50	287	1030	3142	7.50 - 8.25	307	280	1023	475	3120	317	7.50			
	XUE4 MIX ENERGY	1	TL		151/148L	149/146L	8.50	14.4	6900	9.00	12600	9.00	287	1030	3142	7.50 - 8.25 - 9.00	306	277	1021	474	3120	315	7.50				
	XDE2+	2	TL	16	149/146L			22.0	6500	8.50	12000	8.50	287	1030	3142	7.50 - 8.25	307	280	1036	481	3160	317	7.50				
	XDW ICE GRIP	2	TL		151/148L	149/146L	8.50	18.2	6900	9.00	12600	9.00	287	1030	3142	7.50 - 8.25 - 9.00	309	281	1029	478	3140	317	7.50				

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern																		
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94
315/70R22.5	X MULTITWAY 3D XZE	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50
		Single															5540	5740	5950
		dual															9280	9620	9960
	X MULTITWAY 3D XDE	Single															5190	5380	5580
		dual															9280	9620	9960
		Single															5190	5380	5580
	XDA 2+ ENERGY	dual															9280	9620	9960
		Single															5190	5380	5580
		dual															9280	9620	9960
	XDW / ICE GRIP	Single															5190	5380	5580
		dual															9280	9620	9960
		Single															5190	5380	5580
275/80R22.5	XZN++ MIX ENERGY	dual															4780	4950	5130
		Single															4780	4950	5130
		dual															4780	4950	5130
	XZN MIX ENERGY	Single															4780	4950	5130
		dual															4780	4950	5130
		Single															4780	4950	5130
	X INCIITY XZU3	dual															4780	4950	5130
		Single															4780	4950	5130
		dual															4780	4950	5130
	XZE2+	Single															4780	4950	5130
		dual															4780	4950	5130
		Single															4780	4950	5130
	XUE4 MIX ENERGY	dual															4780	4950	5130
		Single															4780	4950	5130
		dual															4780	4950	5130
	XDE2+	Single															4780	4950	5130
		dual															4780	4950	5130
		Single															4780	4950	5130
	XDW / ICE GRIP	dual															4780	4950	5130
		Single															4780	4950	5130
		dual															4780	4950	5130
		Single															4780	4950	5130
		dual															4780	4950	5130
		Single															4780	4950	5130



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth				Nominal load per axle (single) (kg)		Nominal pressure for load (single) (bar)		Nominal load per axle (dual) (kg)		Nominal pressure for load (dual) (bar)		Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair load variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
295/80R22.5	X LINE ENERGY Z	bar	2.50																											
		single																												
		dual																												
	X MULTI Z	single																												
		dual																												
		dual																												
	X MULTITWAY 3D XZE	single																												
		dual																												
		dual																												
	X WORKS Z	single																												
		dual																												
		dual																												
	X COACH ENERGY Z	single																												
		dual																												
		dual																												
X COACH HL Z	single																													
	dual																													
	single																													
XZA 2+ ENERGY	single																													
	dual																													
	dual																													
XZE2+	single																													
	dual																													
	dual																													
XZY+2	single																													
	dual																													
	dual																													
X INCITY XZU 3+	single																													
	dual																													
	dual																													
XW4+	single																													
	dual																													



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
29580R22.5	XJS WINTER GRIP +	2	TL		151/148J	149/146L	8.50	19.4	6900	9.00	12600	9.00	290	1030	3142	7.50-8.25-9.00	306	279	1030	479	3128	316	7.50			
	XJS WINTER GRIP	2	TL	16	152/149L	153/150J		18.5	7100	8.50	13000	8.50	310	1112	3392	8.25-9.00	329	299	1064	495	3250	338	8.25			
	X MULTI D	2	TL	18	152/149M			18.7	7100	8.50	13000	8.50	310	1072	3270	8.25-9.00	327	297	1061	493	3225	326	8.25			
	X MULTIWAY 3D XDE	2	TL		152/148L			19.0	7100	8.30	12600	8.00	310	1062	3239	8.25-9.00	328	297	1061	492	3228	326	8.25			
	X COACH XD	8	TL		152/148M	154L	8.50	19.4	7100	8.50	13320	8.50	302	1073	3273	8.25	329	300	1062	494	3223	330	8.25			
	XDA 2+ ENERGY	1	TL		152/148M			16.8	7100	8.50	12600	8.50	310	1073	3273	8.25-9.00	327	300	1055	491	3215	330	8.25			
	XDE2+	2	TL		152/148M			23.0	7100	8.50	12600	8.50	310	1112	3392	8.25-9.00	328	300	1070	497	3270	330	8.25			
	XDW ICE GRIP	2	TL		152/149L	153/150J	8.75	19.7	7100	8.50	13000	8.50	310	1112	3392	8.25-9.00	329	300	1066	496	3260	330	8.25			
31580R22.5	X MULTI ENERGY Z	2	TL		156/151L			15.5	8000	8.50	13800	8.25	318	1096	3343	9.00-9.75							9.00			
	X MULTIWAY 3D XZE	2	TL		156/150L	154/150M	8.00	16.5	8000	8.50	13400	8.00	318	1096	3343	9.00-9.75	347	316	1081	501	3302	350	9.00			

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																												
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
295/80R22.5	X/S WINTER GRIP +	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
		single																4780	4950	5130	5310	5480	5660	5840	6020	6190	6370	6550	6720	6900
	X/S WINTER GRIP	dual															8720	9050	9370	9690	10020	10340	10660	10980	11310	11630	11950	12280	12600	
		single															4800	4990	5180	5370	5560	5760	5950	6140	6330	6520	6720	6910	7100	
	X MULTI D	dual													8780	9140	9490	9840	10190	10540	10890	11240	11590	11950	12300	12650	13000			
		single															5300	5490	5690	5880	6080	6280	6470	6670	6860	7060				
	X MULTIWAY 3D XDE	dual															9720	10080	10440	10800	11160	11520	11880	12240	12600					
		single															5180	5370	5560	5760	5950	6140	6330	6520	6720	6910	7100			
	X COACH XD	dual															9190	9540	9880	10220	10560	10900	11240	11580	11920	12260	12600			
		single													4800	4990	5180	5370	5560	5760	5950	6140	6330	6520	6720	6910	7100			
	XDA 2+ ENERGY	dual													8510	8850	9190	9540	9880	10220	10560	10900	11240	11580	11920	12260	12600			
		single													4800	4990	5180	5370	5560	5760	5950	6140	6330	6520	6720	6910	7100			
	XD2+	dual													8510	8850	9190	9540	9880	10220	10560	10900	11240	11580	11920	12260	12600			
		single															5180	5370	5560	5760	5950	6140	6330	6520	6720	6910	7100			
	XDW / CE GRIP	dual															9490	9840	10190	10540	10890	11240	11590	11950	12300	12650	13000			
		single													5410	5620	5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000			
315/80R22.5	X MULTI ENERGY Z	dual												9580	9970	10350	10730	11120	11500	11880	12270	12650	13030	13420	13800					
		single															5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000			
	X MULTIWAY 3D XZE	dual															10340	10720	11100	11490	11870	12250	12630	13020	13400					



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Nominal load per axle (single) (kg)	Nominal pressure for load (single) (bar)	Nominal load per axle (dual) (kg)	Nominal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
315/80R22.5	X WORKS XZY	3	TL		156/150K			16.0	8000	8.50	13400	8.50	318	1096	3343	9.00 - 9.75	348	317	1080	502	3308	350	9.00			
	X MULTIWAY XZER	2	TL	18	156/151L	154/150M	8.50	13.9	8000	8.50	13800	8.30	318	1096	3343	9.00 - 9.75	347	316	1077	499	3300	358	9.00			
	XZA 2+ ENERGY	1	TL	18	156/151L	154/150M	8.50	15.9	8000	8.50	13800	8.30	318	1106	3373	9.00 - 9.75	345	314	1079	499	3306	355	9.00			
	X MULTIWAY 3D XDE	2	TL		156/150L	154/150M	8.00	19.2	8000	8.50	13400	8.00	318	1106	3373	9.00 - 9.75	349	318	1087	504	3303	350	9.00			
	X WORKS XDY	3	TL		156/150K			22.0	8000	8.50	13400	8.50	318	1096	3343	9.00 - 9.75	348	317	1091	507	3312	350	9.00			
	XDE2+	2	TL		156/150L	154/150M	8.00	23.5	8000	8.50	13400	8.50	318	1107	3376	9.00 - 9.75	347	318	1095	507	3320	350	9.00			
	XDW ICE GRIP	2	TL		156/150L			20.2	8000	8.50	13400	8.00	318	1096	3343	9.00 - 9.75	348	315	1090	504	3320	350	9.00			

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	
		bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
315/80R22.5	X WORKS XYZ	single															5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000			
		dual															9780	10140	10500	10860	11230	11590	11950	12310	12680	13040	13400			
	X MULTIWAY XZE R	single													5410	5620	5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000			
		dual													9580	9970	10350	10730	11120	11500	11880	12270	12650	13030	13420	13800				
	XZA 2+ ENERGY	single													5410	5620	5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000			
		dual													9860	10250	10650	11040	11430	11830	12220	12620	13010	13410	13800					
	X MULTIWAY 3D XDE	single																5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000		
		dual																10340	10720	11100	11490	11870	12250	12630	13020	13400				
	X WORKS XDY	single																5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000		
		dual																9780	10140	10500	10860	11230	11590	11950	12310	12680	13040	13400		
	XDE2+	single																5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000		
		dual																10340	10720	11100	11490	11870	12250	12630	13020	13400				
XDW ICE GRIP	single														5410	5620	5840	6050	6270	6490	6700	6920	7140	7350	7570	7780	8000			
	dual														9570	9950	10340	10720	11100	11490	11870	12250	12630	13020	13400					



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Norminal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
325/85R16	XML	4	TL		137J	134K	4.50	16.5	4600	4.50		4.50	338	992		9.0	364	327	984	449	2980		9.0			Jt 1967
255/100R16	XZL	4	TL		126K	134J	5.75	16.5	3400	4.50			260	946		16-6.00 G	286	255	923	426	2810		16-6.50 H			Jt 1967
275/80R20	XZL	4	TL	8	128K			15.2	3600	4.20			289	974		9 - W9 - 9 SDC	305	280	939	431	2850		9	20 P	230-20LB / 20x8.50	
335/80R20	XZL	4	TL	16	141K			17.8	5150	4.30						9-W9-9 SDC-W10 DW10-11-11 SDC-W11 DW11-12-12 SDC	381	345	1037	473	3140		11	20 P	310-20LB / 20x10.00	Jt 1681
365/80R20	XZL	4	TL		152K			19.9	7100	6.00						11-11 SDC-12-12 SDC	410	372	1096	501	3330		11	20 Q	310-20LB / 20x10.00	Jt 1443
475/80R20	XML	4	TL		166G			23.5	10600	6.00						14.0V ⁵	526	480	1272	581	3859		14.0V			
365/85R20	XZL	4	TL		164G			22.5	10000	7.50						10.0-10.00V-10.00W	411	368	1144	520	3460		20-10.00 W	20 S	280-20 L	
395/85R20	XZL 2	4	TL		168K	164L	8.50	20.0	11200	8.50			401	1220				429	388	1176	534	3584		20-10.00 W		
	XZL	4	TL		168G	161J	8.50	25.8	11200	8.50						10.0-10.00V-10.00W	425	388	1189	542	3600		20-10.00 W	20 S	280-20L	Jt 1443
9.00R20	XL	4	TT		140/137K			17.0	5000	7.00	9200	7.00	268	1038		6.0-6.00T-6.5-86.5-7.0 B7.0-7.33V-7.5-B7.5	278	252	1032	479	3148	285	7.0	20 M	200-20L / 20x7.50	

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair Load variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

Dimension	Tread pattern	Table of inflation pressure (bar) in relation to maximum load per axle (kg)																													
		psi	36	40	44	47	51	54	58	62	65	69	73	76	80	83	87	91	94	98	102	105	109	112	116	120	123	127	131	134	
325/65R16	XML	bar	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	9.25	
		single			3290	3500	3720	3940	4160	4380	4600																				
255/100R16	XZL	single			2430	2590	2750	2910	3080	3240	3400																				
		dual																													
275/80R20	XZL	single			2730	2910	3090	3270	3435	3600																					
		dual																													
335/80R20	XZL	single																													
		dual																													
365/60R20	XZL	single												6500	6700	6900	7100														
		dual																													
475/60R20	XML	single			5890	6280	6670	7070	7460	7850	8240	8640	9030	9420	9810	10210	10600														
		dual																													
365/65R20	XZL	single											6970	7270	7580	7880	8180	8480	8790	9090	9390	9700	10000								
		dual																													
395/65R20	XZL 2	single															8170	8480	8780	9080	9380	9690	9990	10290	10590	10900	11200				
		dual																													
	XZL	single															8170	8480	8780	9080	9380	9690	9990	10290	10590	10900	11200				
		dual																													
9.00R20	XL	single							3060	3230	3390	3550	3710	3870	4030	4190	4350	4520	4680	4840	5000										
		dual							5640	5940	6230	6530	6830	7120	7420	7720	8010	8310	8610	8900	9200										



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
11.00R20	XZL	4	TL	16	150/146K			18.0	6700	8.00	12000	8.00	297	1104		7.33V-7.5-87.5-8.0 8.0V-88.0-8.5 8.50V-88.5-9.00V	330	299	1092	508	3340	338	8.0	20 P	20x8.50MI	
	XZL	4	TL	18	154/149K			18.7	7500	8.50	13000	8.50	319	1146		7.33V-8.0-8.0V-88.0 8.5-8.50V-88.5 9.0-9.00V	344	311	1131	527	3460	352	8.5	20 Q	230-201B / 20x8.50	
12.00R20	XML	4	TL	18	149/146J			19.5	6500	7.20	12000	7.20	319	1158		7.33V-8.0-8.0V 88.0-8.5-8.50V 88.5-9.0-9.00V	339	308	1131	526	3443	349	8.5	20 Q		
	XML	4	TL		153G	149K	6.20	24.4	7300	6.20			377	1268		9.0-10.0-10.00V 10.00W	421	383	1258	581	3830		10.00W			
14.00R20	XZL+	4	TL		164/161J	166G	7.90	22.3	10000	7.80	18500	7.80					428	386	1258	578	3832	436	20-10.00W			
	XZL+	4	TL	22	164/160J	166G	7.90	22.3	10000	7.60	18000	7.60					428	386	1258	578	3832	436	20-10.00W			
	XZL	4	TL	22	164/160G	156J	7.60	23.3	10000	7.60	16000	7.60	384	1258		9.0-9.00V-10.0 10.00V-10.00W	427	384	1258	579	3826	434	10.00			
	XS	4	TL		160/157F		16.5	9000	7.00	16500	7.00	377	1282			9.0-10.0-10.00V 10.00W	410	369	1238	566	3772	417	10.00W			
16.00R20	XZL	4	TL		173/170G		27.0	13000	7.50	24000	7.50	482	1413				488	438	1343	609	4090	495	10.00W	20 V	310-201B / 20x10.00	

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Table of inflation pressure (bar) in relation to maximum load per axle (kg)



Dimension	Tread Pattern	Category	Type	PR (Ply Rating)	Load / Speed Index	Unique point (3)	Normal pressure for unique point (bar)	Original tread depth	Normal load per axle (single) (kg)	Normal pressure for load (single) (bar)	Normal load per axle (dual) (kg)	Normal pressure for load (dual) (bar)	Maximum section width in service (mm)	Maximum diameter in service (mm) (1)	Rolling circumference (mm)	Approved rim(s) ETRTO	Laden section width (mm) (2)	Free section width (mm) (2)	Diameter (mm) (2)	Static laden radius (mm) (2)	Rolling circumference (mm) (2)	Minimum dual spacing (mm) (2)	Recommended rim(s) by MICHELIN	Tube	Flap	Seal
525/65R20.5	X5	4	TL	20	173F			16.8	13000	8.00			551	1231		16.00	558	521	1200	548	3639		16.00	19.5/20.5 UD		
2470R20.5	X5	4	TL		176F			16.8	14200	6.00						18.00	661	602	1374	620	4150		18.00	20.5 WAMD		
2470R21	X2L	4	TL	16	176G			25.0	14200	6.00			200	687			663	608	1388	631	4200		18.00			
445/65R22.5	X2L	4	TL		168G			21.0	11200	8.00						14.00	486	448	1168	537	3550		14.00			
13R22.5	X2L	4	TL	18	154/150K			20.2	7500	8.00	13400	8.00	326	1146		9.00 - 9.75	338	307	1130	525	3450	347	9.00			
12.00R24	XDL	4	TT		LRI			30.4	8000	7.50	14600	7.50				8.50, 8.00	356	323	1255	586	3944	358	8.50			

• (1) ETRTO rating (standard value, the ETRTO standard rim may be different to the rim recommended by MICHELIN). • (2) MICHELIN rating, value measured on rim recommended by MICHELIN. • (3) Unique point: load capacity/authorized additional speed pair Load variations according to speed do not apply to the unique point.



Table of inflation pressure (bar) in relation to maximum load per axle (kg)

[illegible]

TECHNICAL CHARACTERISTICS TABLE AND PRODUCT OFFER

2

MICHELIN AGILIS FOR LIGHT TRUCK



BENEFITS:

Clearly improved mileage

- 30% better in longevity compared to its previous generation.

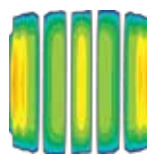
Even stronger, day to day

- Thicker sidewall protection to avoid urban obstacles.

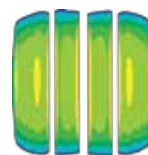
TECHNOLOGIES

Mileage

- With the “Durable Contact Patch” technology.
- The DCP technology enhances the contact between the tread blocks and the road, allowing the contact pressure to be distributed more evenly on the tread, which contributes to longer mileage¹ as well as better grip.



Previous
generation



MICHELIN
AGILIS

Strength

- From the eight sidewall kerbing protectors.
- The position of eight kerbing protectors on the sidewall has been calculated to optimize tyre protection in all circumstances.



Kerbing protector

2/ TECHNICAL CHARACTERISTICS MICHELIN AGILIS FOR LIGHT TRUCK



Dimension	Pattern	Type	Load Index	Load Index (Dual)	Speed Index	Load Capacity (Kgs) Single	Load Capacity (Kgs) Dual	Section Width Design Value (mm)	Overall Diameter (mm)	Rolling Circumference (mm)	Min Rim Width (inches)	Measuring Rim Width (inches)	Maxi Rim Width (inches)
215/75R16C	AGILIS	TL	113	111	R	1150	1090	216	728	2220	5.50	6.00	7.00
235/65R16C	AGILIS + GRNX	TL	115	113	R	1215	1150	240	712	2172	6.50	7.00	7.50
205/75R16C	AGILIS + GRNX	TL	113	111	R	1150	1090	203	714	2178	5.50	5.50	6.50
225/75R16C	AGILIS + GRNX	TL	118	116	R	1320	1250	223	744	2269	6.00	6.00	7.00
225/65R16C	AGILIS + GRNX	TL	112	110	R	1120	1060	221	686	2092	6.00	6.50	7.00
215/75R16C	AGILIS + GRNX	TL	116	114	R	1250	1180	216	728	2220	5.50	6.00	7.00
215/75R16C	AGILIS + GRNX	TL	113	111	R	1150	1090	216	728	2220	5.50	6.00	7.00

TECHNICAL CHARACTERISTICS TABLE AND PRODUCT OFFER 2

MICHELIN XCD2 FOR LIGHT TRUCK

BENEFITS:

MICHELIN XCD2 tyres are the reference for usage in the most challenging conditions.

HEIGHT LOADING CAPACITY

- Perfect choice for commercial users.

ROBUST AND STRONG

- Built to endure and last with ability to carry heavy loads with maximum safety.



HARD OUTER LAYER
SOFT INNER LAYER

01

ENDURE MORE TRIPS

WITH A COMBINATION OF RUBBER COMPOUNDS

- Hard outer layer of 100% natural rubber protects casing ply
- Soft inner layer of synthetic rubber content lowers heat generation

02

INCREASED ROBUSTNESS

WITH MAXIMUM BEAD STRENGTH

- Five more wires in bead package
- 20% stronger bead
- Improved resistance to bead failure
- Improved damage resistance during fitting and removal

MICHELIN XCD2

MICHELIN XCD

03

BETTER HANDLING

WITH RUBBER INSERT ON LOWER SIDEWALL

- 27% increased height*
- 45% higher bead reinforcement*
- More rigid sidewall
- Improved handling stability



Incorrect tyre usage and driving can lead to accidents. To reduce any possible risk, Michelin recommends users to follow the tyre user manual, tyre sidewall information and vehicle user manual strictly. The tyre user manual is available at all Michelin dealers. For more information, please visit www.michelin.country

All claims are made in comparison to the previous generation of MICHELIN XCD tyres.
*Based on MICHELIN XCD2 size 205/70 R15C

2/ TECHNICAL CHARACTERISTICS MICHELIN XCD2 FOR LIGHT TRUCK



Dimension	Pattern	Type	Load Index	Load Index (Dual)	Speed Index	Load Capacity (Kgs) Single	Load Capacity (Kgs) Dual	Section Width Design Value (mm)	Overall Diameter (mm)	Rolling Circumference (mm)	Min Rim Width (inches)	Measuring Rim Width (inches)	Maxi Rim Width (inches)
195R14C	XCD	TL	106		P	950		198	666	2031	5.00	5.50	6.00
205R14C	XCD	TL	109		P	1030		208	686	2092	5.50	6.00	6.50
215R14C	XCD	TL	112		P	1120		218	714	2178	5.50	6.00	7.00
205/70R15C	XCD	TL	106		Q	950		209	669	2040	5.50	6.00	6.50
215R15C	XCD	TL	112		Q	1120		218	725	2211	5.50	6.00	7.00
205/75R14C	XCD2	TL	109	107	P	1030	975	203	664	2025	5.50	5.50	6.50
215/75R14C	XCD2	TL	112	110	P	1120	1060	216	678	2068	5.50	6.00	7.00
225/75R14C	XCD2	TL	115	113	P	1215	1150	223	693	2114	6.00	6.50	7.00
205/70R15C *	XCD2	TL	106	104	S	950	900	209	669	2040	5.50	6.00	6.50
225/75R15C *	XCD2	TL	116	114	Q	1250	1180	223	719	2193	6.00	7.00	7.50



■ **APPENDIX** 3

- **TUBE&FLAP ASSEMBLY** 74
- **TRUCK AND BUS WHEEL** 78
- **ACCESSORIES** 80
- **CONVERSION TABLE** 82
- **GENERAL INFORMATION** 85

TIRE/TUBE/FLAP ASSEMBLY

Tyre dimensions	Tube	Valve		Flap	Plates
	Reference	Reference	Bend type	Reference	
7.50R15	15/16J	570	Single	Flap 15X6.00	Plastic
8.25R15	15K	1221	Double	Flap 15X6.00	Plastic
10.00R15	15P	582	Triple	Flap 15X7.50	Plastic
	15P	1548	Straight		
7.00R16	16J 77-95	TR77A	Single, Fixed valve	Flap 16x6.00	Metal
7.50R16	16J 77-95	TR77A	Single, Fixed valve	Flap 16x6.00	Metal
8.25R16	16K 77-95	TR77A	Single, Fixed valve	Flap 16x6.00	Metal
8.25R20	20K	1021	Single	Flap 20x7.50	Metal
9.00R20	20M+ 175 95	TR175A	Single, Fixed valve	Flap 20x7.50	Metal
10.00R20	20N+ 78 95	TR78A	Single, Fixed valve	Flap 20x7.50	Metal
11.00R20	20P 78 95	TR78A	Single, Fixed valve	Flap 20X8.50	Metal
12.00R20 335/80R20	20Q	1158	Single	Flap 20X8.50	Metal
14.00R20 G20	20S	582	Triple	Flap 20X10.00	Plastic
365/85R20	20S	582	Triple	Flap 20X8.50	Metal
395/85R20	20S	582	Triple	Flap 20X10.00	Plastic
16.00R20	20V	1188	Single	Flap 20X10.00	Plastic
	20V	1548	Straight		
12.00R24	24Q	582	Triple	Flap 24/25X8.50 E	Plastic
325/95R24	24Q	582	Triple	Flap 24/25X8.50 E	Plastic

For other CAs not listed in this table, please contact your Michelin representative.

Flap Groups for use in MICHELIN tyres

Tire size	Rim width	15X6.00	15X7.50	16X6.00+
7.00R15 7.50R15	5.00			
	5.50			
	6.00			
	6.50			
8.25R15	5.00			
	5.50			
	6.00			
	6.50			
10.00R15	6.50			
	7.00			
	7.50			
7.00R16	5.00			
	5.50			
	6.00			
7.50R16	5.50			
	6.00			
	6.50			
8.25R16	6.00			
	6.50			

Bold = Standard rim width



Preferred fitment on this rim



Fitment permitted but the flap may be wide



Fitment permitted but the flap may be narrow

TUBE AND FLAP ASSEMBLY

Flap Groups for use in MICHELIN tyres

Tire size	Rim width	20X7.50	20X8.50	20X10.00	25/25X8.25	240-24/25L
8.25R20	6.00					
	6.50					
	7.00					
9.00R20	6.50					
	7.00					
	7.50					
10.00R20	7.00					
	7.50					
	8.00					
11.00R20	7.50					
	8.00					
	8.50					
12.00R20 335/80R20	8.00					
	8.50					
	9.00					
14.00R20	9.00					
365/80R20	10.00					
16.00R20	10.00					
	11.25					
12.00R24	8.00					
	8.50					
	9.00					

Bold = Standard rim width



Preferred fitment on this rim



Fitment permitted but the flap may be wide

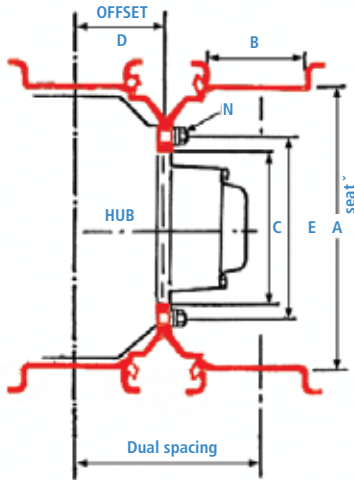


Fitment permitted but the flap may be narrow

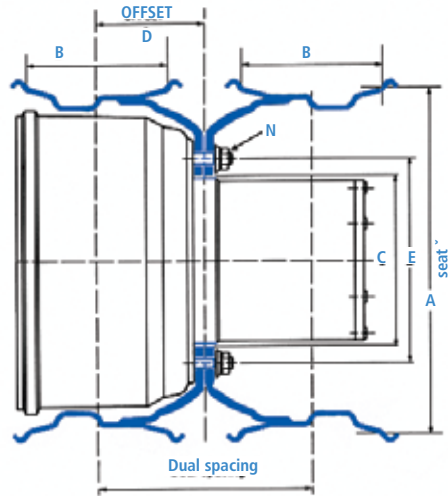


TRUCK AND BUS WHEEL

Tube Type Wheel



Tubeless Wheel

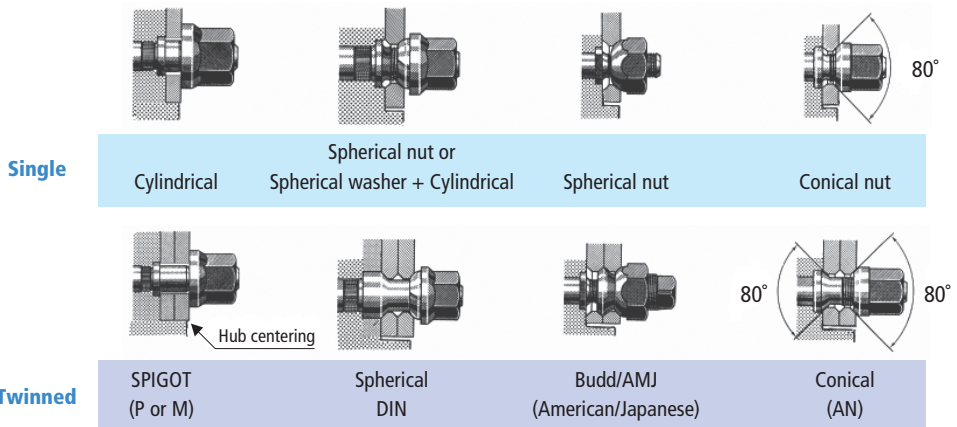


Characteristics

A = Nominal Wheel Diameter
B = Inside width
C = Centre bore

D = Offset
E = Diameter of the fixing holes (PCD)
N = Number of fixing holes
Dual Spacing = $2 \times \text{offset}$

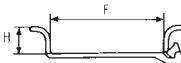
Types of Fixing

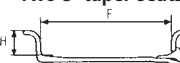


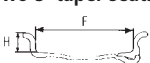
TRUCK AND BUS WHEEL

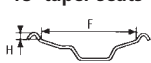
Truck & Bus Rims

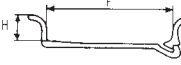
Characteristics

Flat base			
			
size	F mm	H	
3.75 P	95	25.4	
4.33 R	110	28.6	
5.00 S	127	33.3	
6.00 T	152	38.1	
7.33 V	186	44.4	
8.50 V	216	44.4	
9.00 V	229	44.4	
10.00 V	254	44.4	
10.00 W	254	51.0	
11.25 {	286	51.0	
	286	63.5	

Advanced (3 pieces) Two 5° taper seats			
			
size	F mm	H	
5.0	127	27.9	
5.5	140	30.5	
6.0	152	33.0	
6.5	165	35.6	
7.0	178	38.1	
7.5	190	40.6	
8.0	203	43.2	
8.5	216	45.7	
9.0	229	48.3	
10.0	254	50.8	

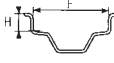
Semi Drop Centre (SDC) Two 5° taper seats			
			
size	F mm	H	
4.50 E-SDC	114.3	19.8	
5.00 E-SDC	127.0	19.8	
5.50 F-SDC	139.7	22.2	
6.00 G-SDC	152.4	27.9	
6.50 H-SDC	165.1	33.7	
7.00 N-SDC	177.8	34.5	

Drop Centre 15° taper seats			
			
size	F mm	H	
5.25	133.4	12.7	
6.00	152.4	12.7	
6.75	171.5	12.7	
7.50	190.5	12.7	
8.25	209.6	12.7	
9.00	228.6	12.7	
9.75	247.6	12.7	

Intermediate one 5° taper seats (on fixe side)			
			
size	F mm	H	
5.00 R	127	28.6	
5.50 S	140	33.3	
6.00 S	152	33.3	
6.50 T	165	38.1	
7.00 T	178	38.1	
7.50 V	190	44.4	
8.00 V	203	44.4	

5° taper seats (English standard)			
8.5.0	127	27.9	
8.5.5	140	27.9	
8.6.0	152	33.0	
8.6.5	165	38.1	
8.7.0	178	38.1	
8.7.5	190	43.2	
8.8.0	203	43.2	
8.8.5	216	45.7	

5° taper seats (Other standard)			
5.0 R	127	28.6	
5.5 S	140	33.3	
6.0 S	152	33.3	
6.5 T	165	38.1	
7.0 T	178	38.1	
7.5 V	190	44.4	
8.0 V	203	44.4	
8.5 V	216	44.4	
9.0 V	229	44.4	
10.0 Wi	254	51.0	

Well base/Drop Centre 5° taper seats			
			
size	F mm	H	
4.50 E	114.3	19.8	
5.00 F	127.0	22.2	
5.50 F	139.7	22.2	
5 1/2 K	139.7	19.6	
6 L	152.4	21.6	
6 1/2 L	165.1	21.6	
20 x 5.0 BC	127.0	25.0	
9 x 20	228.6	26.5	
11 x 20	279.4	26.5	

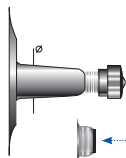
Wide base drop centre 15° taper seats			
			
size	F mm	H	
11.75	298.5	12.7	
12.25	311.0	12.7	
13.00	330.2	12.7	
14.00	355.6	12.7	
15.00	381.0	12.7	
16.00	406.4	12.7	
18.00	457.0	12.7	



WARNING: Correct wheel components must be used. It is important to note that some hub centered and stud centered wheels may have the same bolt circle pattern. Therefore, they could mistakenly be interchanged. Each mounting system requires its correct mating parts. It is important that the proper components are used for each type of mounting, and that the wheels are fitted to the proper hubs. If hub centered wheel components (hubs, wheels, fasteners) are mixed with stud centered components, loss of torque, broken studs, cracked wheels and possible wheel loss can occur since these parts are not designed to work together.

ACCESSORIES

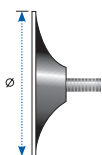
Rubber base valves for truck



Plastic ferrule for the fitment of valve 746 in 15.7 mm diameter hole

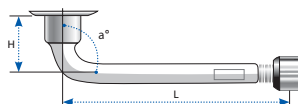
Reference		Ø hole of the valve
ETRTO	MICHELIN	
V2-01-1	746	11,3
V2-01-2	611	15,7
—	990	15,7

Base for truck valve stem



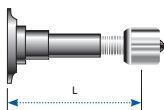
Reference		Ø
ETRTO	MICHELIN	
V3-08-4	1548	57

Single bend valve stem



Reference		L mm	H mm	α°
ETRTO	MICHELIN			
V3-02-2	570	43	22	120
V3-02-3	576	44	33	95
V3-02-4	577	44	39	110
V3-02-5	1003	47	20	90
V3-02-7	1188	71	22	100
V3-02-9	1156	99	20	94
V3-02-10	1021	115	20	94
V3-02-12	1157	132	20	94
V3-02-13	751	133	20	90
V3-02-14	1158	138	20	94
V3-02-20	750	53	22	95
V3-02-23	1012	66	29	90
V3-03-4	1010	84	15	94

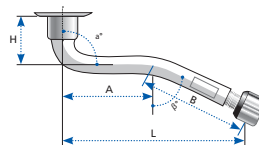
Valve with straight stem



Reference		L mm
ETRTO	MICHELIN	
—	1964	49

Double bend valve stem

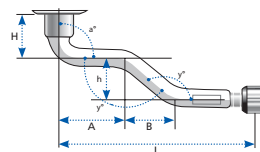
Reference		L mm	A mm	B mm	H mm	α°	β°
ETRTO	MICHELIN						
V3-04-1	578	60	32	37	20	90	138
V3-04-2	579	76	38	41	20	90	153
V3-04-6	734	128	86	47	20	90	153
V3-04-8	1198	80	38	43	20	90	167
V3-04-26	1877	140	99	42	20	99	189
V3-05-1	1221	96	32	66	16	90	165



ACCESSORIES

Triple bend valve stem

Reference		L mm	A mm	B mm	H mm	h mm	α°	γ°
ETRTO	MICHELIN							
V3-06-2	580	94	44	12	20	17	90	125
V3-06-3	581	114	46	20	20	17	90	140
V3-06-5	582	131	62	19	20	17	90	139
V3-06-7	1348	106	45	18	20	17	90	137



Mounting a universal valve stem



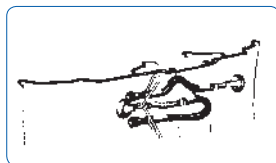
1. Check that air-tight rubber must be dry and clean when fitting.
2. Screw down the stem until contact is made with the washer.
3. Continue to screw in two complete turns for air-tightness.
4. Tighten the stem further until the final position is reached.



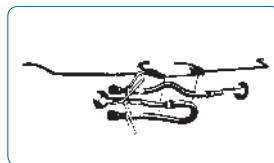
IMPORTANT : do not unscrew

NB : Do not tighten more than recommended above.
Do not forget to fit the valve cap which keeps it clean and helps keep the valve leakproof.

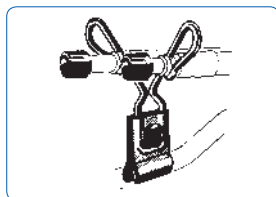
Essential accessories



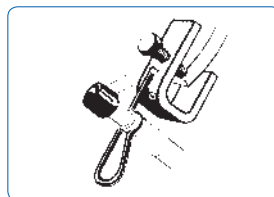
Truck Tyre valve extension



In these assemblies, always fit the valves facing each other.



Fixing Clamps for Trucks Tyres valve extension



When tyres are twinned, in order to avoid abnormal wear and tyre overload problems, it is essential to ensure that twinned tyres are the same size, same manufacture, same type and tread pattern, and that the wear rates and pressures are the same.

Valve extensions fitted to inner twins, permit easy verification of tyre pressures. It is essential to ensure that they are correctly fitted, and supported with the appropriate brackets where necessary.

CONVERSION TABLE

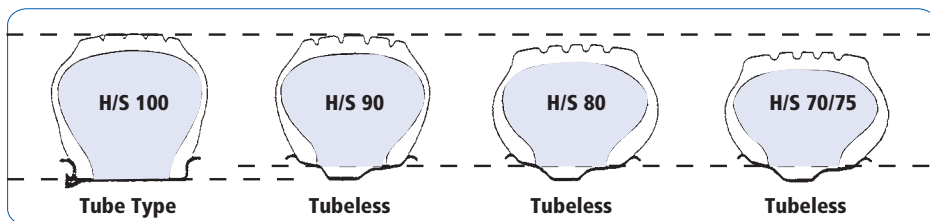
Equivalent Sizes

100 Series	90 Series	Low Profile Series
7.50 R 15		215/75 R 17.5
8.25 R 15	9 R 17.5	235/75 R 17.5
10.00 R 15		285/70 R 19.5
7.00 R 16	8 R 17.5	205/75 R 17.5
7.50 R 16	8.5 R 17.5	215/75 R 17.5
		225/75 R 17.5
		225/80 R 17.5
8.25 R 16	9.5 R 17.5	235/75 R 17.5 245/70 R 19.5
	10 R 17.5	
	225/90 R 17.5	
7.50 R 20	8 R 22.5	
8.25 R 20	9 R 22.5	
9.00 R 20	10 R 22.5	255/70 R 22.5
		275/70 R 22.5
10.00 R 20	11 R 22.5	295/80 R 22.5
		275/80 R 22.5
		275/70 R 22.5
11.00 R 20	12 R 22.5	295/80 R 22.5
		315/80 R 22.5
		305/70 R 22.5
		315/70 R 22.5
12.00 R 20	13 R 22.5	315/80 R 22.5

Note : Before any change over please check :

- Load capacity
- Vehicle clearance
- Recommended rim/wheel
- Dual spacing

CONVERSION TABLE



Conversion Table

Quantity	Units	Other Units
Length	m (meter)	1 inch (*) = 0.0254 m (or 25.4 mm) 1 mile = 1,609 m (or 1.609 km)
Mass	kg (kilogram)	1 pound (lb) = 0.4536 kg
Pressure	kPa (kilo pascal)	1 bar = 14.5 PSI 1 bar = 100 kPa 1 kg/cm ² = 98.066 kPa
Speed	m/s (meter per second)	1 km per hour (km/hr)* = 0.27778 m/s 1 mile per hour (m.p.h.) = 0.4470 m/s 1 mile per hour (m.p.h.) = 1.60935 km/h

Load Range / Ply Rating

B - 4	F - 12	L - 20
C - 6	G - 14	M - 22
D - 8	H - 16	
E - 10	J - 18	

CONVERSION TABLE

Pressure Unit Conversion Table

kPa	bar	psi*	kg/cm ² *
100	1.0	15	1.0
150	1.5	22	1.5
200	2.0	29	2.0
250	2.5	36	2.5
300	3.0	44	3.1
350	3.5	51	3.6
400	4.0	58	4.1
450	4.5	65	4.6
500	5.0	73	5.1
550	5.5	80	5.6
600	6.0	87	6.1
650	6.5	94	6.6
700	7.0	102	7.1
750	7.5	109	7.7
800	8.0	116	8.2
850	8.5	123	8.7
900	9.0	131	9.2
950	9.5	138	9.7
1,000	10.0	145	10.2
1,050	10.5	152	10.7

* Values in psi and kg/cm² rounded to the nearest practical units.

Adjusted Inflation Pressure (psi) when inflating indoors at 18°C

Recommended Pressure (psi)	Outside Ambient Temperature (°C)										
	10°	4°	-1°	-7°	-12°	-18°	-23°	-29°	-34°	-40°	-46°
75	78	80	81	83	86	88	90	92	95	98	100
80	83	85	87	89	91	93	96	98	101	104	107
85	88	90	92	94	97	99	102	104	107	110	113
90	93	95	98	100	102	105	108	110	113	116	119
95	98	101	103	105	108	111	113	116	119	123	126
100	103	106	108	111	113	116	119	122	125	129	132
105	109	111	114	116	119	122	125	128	132	135	139
110	114	116	119	122	125	128	131	134	138	141	145
115	119	122	124	127	130	133	137	140	144	148	151
120	124	127	130	133	136	139	143	146	150	154	158
125	129	132	135	138	141	145	148	152	156	160	164
130	134	137	140	144	147	150	154	158	162	166	171

GENERAL INFORMATION

Load Capacity Index					
LI	kg	LI	kg	LI	kg
115	1,215	138	2,360	161	4,625
116	1,250	139	2,430	162	4,750
117	1,285	140	2,500	163	4,875
118	1,320	141	2,575	164	5,000
119	1,360	142	2,650	165	5,150
120	1,400	143	2,725	166	5,300
121	1,450	144	2,800	167	5,450
122	1,500	145	2,900	168	5,600
123	1,550	146	3,000	169	5,800
124	1,600	147	3,075	170	6,000
125	1,650	148	3,150	171	6,150
126	1,700	149	3,250	172	6,300
127	1,750	150	3,350	173	6,500
128	1,800	151	3,450	174	6,700
129	1,850	152	3,550	175	6,900
130	1,900	153	3,650		
131	1,950	154	3,750		
132	2,000	155	3,875		
133	2,060	156	4,000		
134	2,120	157	4,125		
135	2,180	158	4,250		
136	2,240	159	4,375		
137	2,300	160	4,500		

Speed Category Symbols		
Speed symbol	Speed in km/hr	MPH approx
A1	5	3
A2	10	6
A3	15	9
A4	20	12
A5	25	16
A6	30	19
A7	35	22
A8	40	25
B	50	31
C	60	37
D	65	40
E	70	43
F	80	50
G	90	56
J	100	62
K	110	68
L	120	75
M	130	81
N	140	87

Important : 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 loading.

Speed / Load / Pressure Combinations							
Speed symbol Speed in km/hr	Load capacity variation (%)						Pressure Adjustment (%)
	F (80 km/hr)	G (90 km/hr)	J (100 km/hr)	K (110 km/hr)	L (120 km/hr)	M (130 km/hr)	
0	+150	+150	+150	+150	+150	+150	+40
5	+110	+110	+110	+110	+110	+110	+40
10	+80	+80	+80	+80	+80	+80	+30
15	+65	+65	+65	+65	+65	+65	+25
20	+50	+50	+50	+50	+50	+50	+21
25	+35	+35	+35	+35	+35	+35	+17
30	+25	+25	+25	+25	+25	+25	+13
35	+19	+19	+19	+19	+19	+19	+11
40	+15	+15	+15	+15	+15	+15	+10
45	+13	+13	+13	+13	+13	+13	+9
50	+12	+12	+12	+12	+12	+12	+8
55	+11	+11	+11	+11	+11	+11	+7
60	+10	+10	+10	+10	+10	+10	+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 indicated in this table correspond to the international standard e.g. European Standard (E.T.R.T.O.). They are given for information purpose only and may change. Please contact MICHELIN Technical Department for any modifications which are beyond the restrictions found either in this catalogue or on tyre sidewall markings. When the coefficients of this table require pressure adjustment more than 10 bars, essentially, reduce load to correspond with maximum 10 bars pressure and/or contact us. Also, use rims which are resistant to an increased pressure and respect the rules of rim mounting and usage."

MEMO

Lined area for writing notes.







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