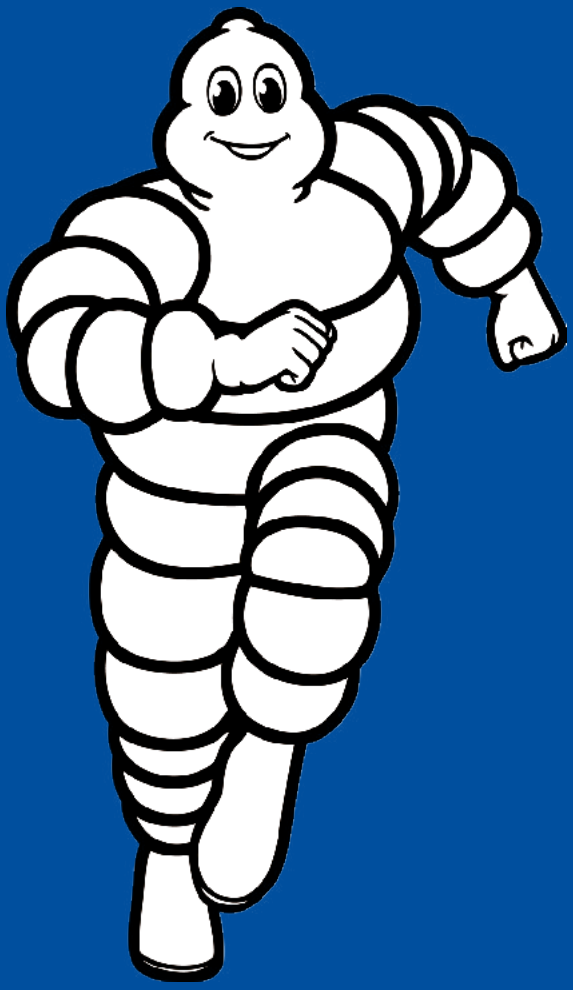
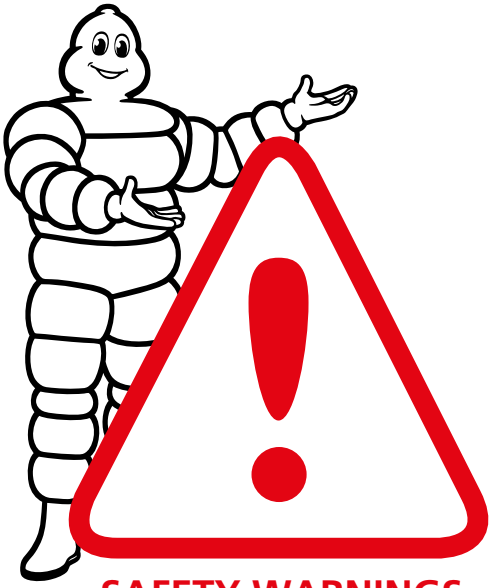
# MICHELIN TRUCK AND BUS TYRE TECHNICAL DATABOOK



## EDITION 2021 AUSTRALIA

MICHELIN
Total Performance

MICHELIN



# 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 1


- RADIAL TYRE COMPONENTS 02
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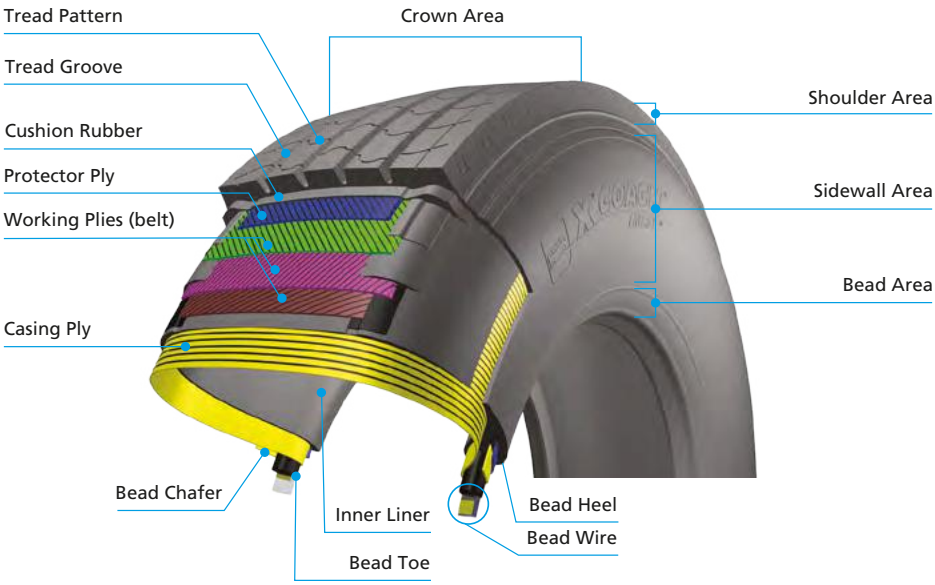
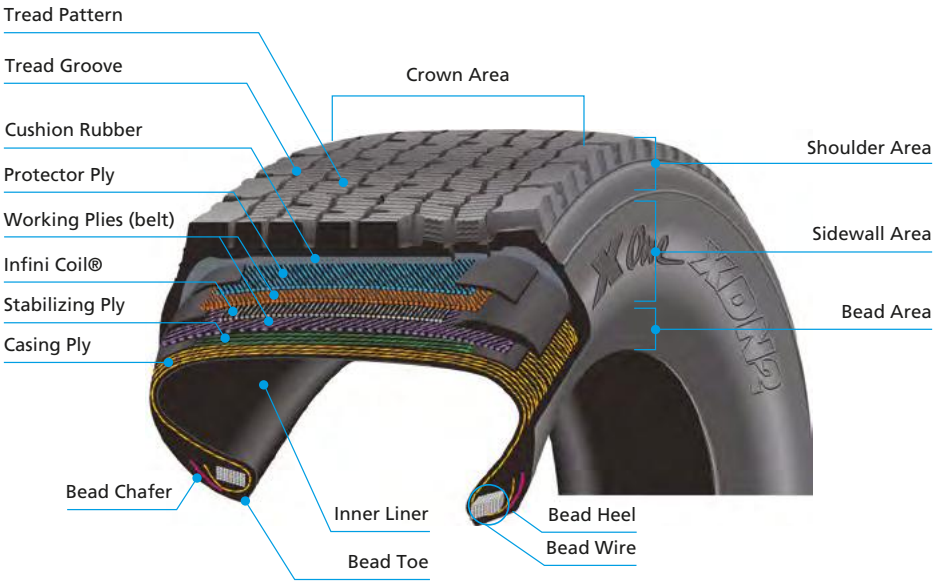
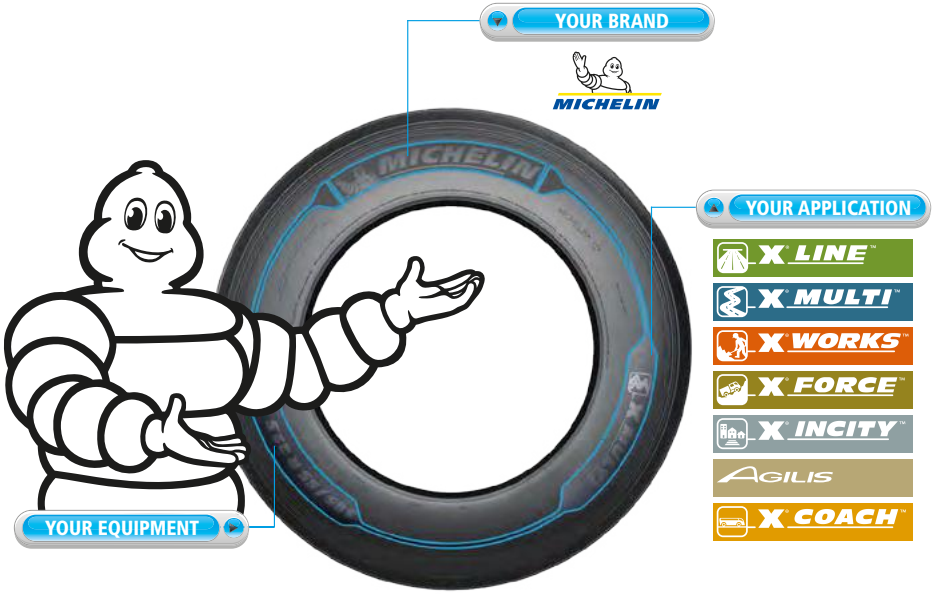
## RADIAL TYRE COMPONENTS




## MICHELIN X One COMPONENTS



# MICHELIN TRUCK & BUS TYRES NEW SIDEWALL DESIGN




385/55R22.5 F = Front axle

275/70R22.5 Z = All position

295/80R22.5 D = Drive axle

455/55R22.5 T = Trailer axle

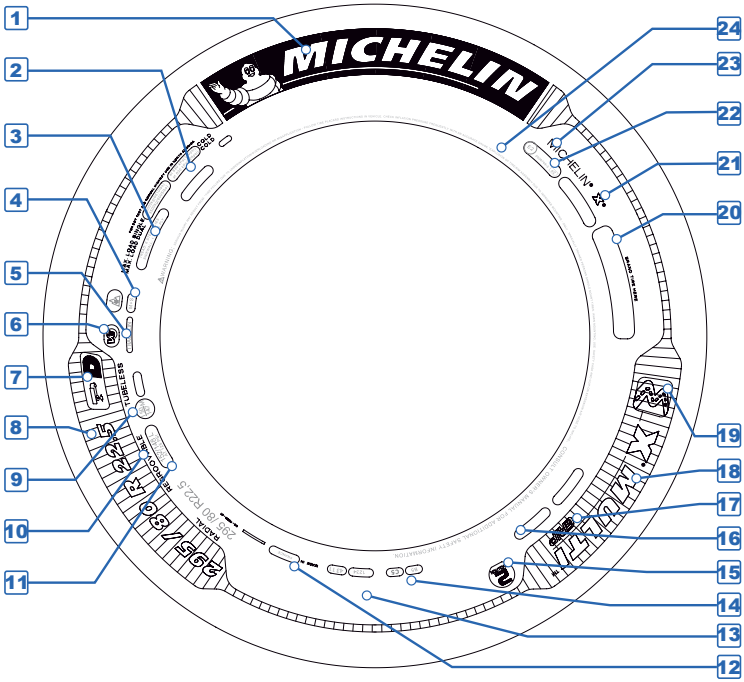
**F** This marking indicates the tyre is designed for steer axles.

**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.

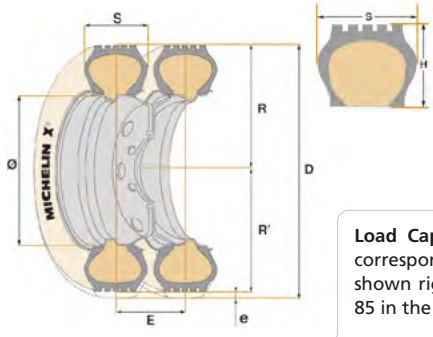
# HOW TO READ TYRE MARKING




1. MICHELIN brand logo
2. Max load max press and max speed. US regulation
3. Tyre architecture
4. M+S Mud and Snow & 3PMSF 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

**R** Free radius.

**R'** Laden radius.

**D** Free diameter (Rx2).

**Ø** Rim diameter.

**E** Minimum dual spacing.

**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 omplete Load Capacity Index table, see page 85 in the appendix.

**Speed Symbols:** These alpha numeric symbols correspond to a maximum speed the tyre is designed for continuous operation. For a complete peed Symbol table, see page 85 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

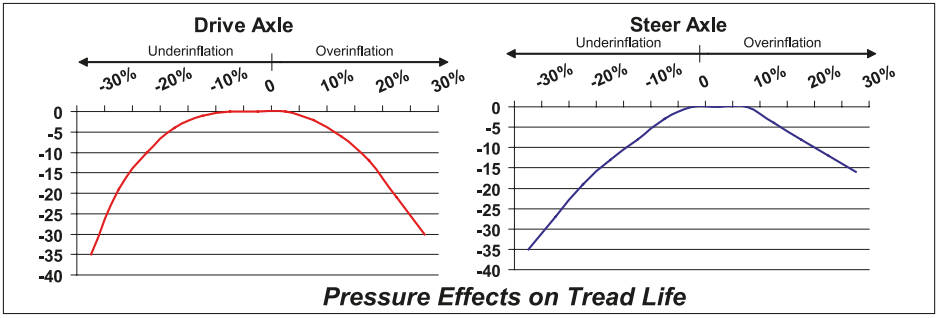
**135/133 G** (133 -------- J / 132)

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

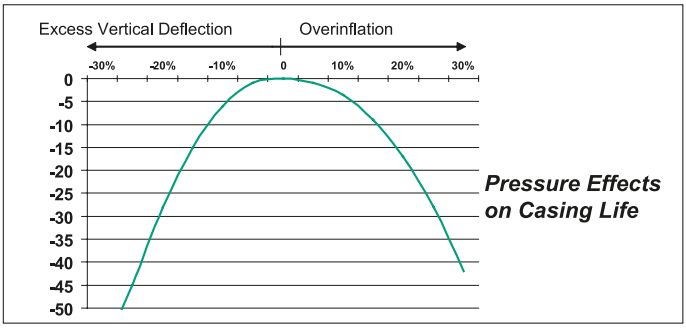
IMPORTANT : Load variances based on speed do not apply to the additional couple load index / speed symbol of the unique point.

# INFLATION PRESSURE

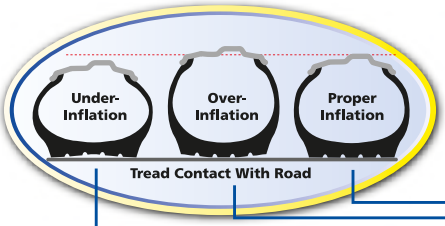
The most critical factor in tyre maintenance is proper inflation. No tyre or tube is completely impervious to loss of air pressure. To avoid the hazards of under inflation, lost-air must be replaced. Inflation pressure has a direct impact in tyre performance - both tread life and endurance - as shown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




*Pressure Effects on Tread Life*




*Pressure Effects on Casing Life*




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.

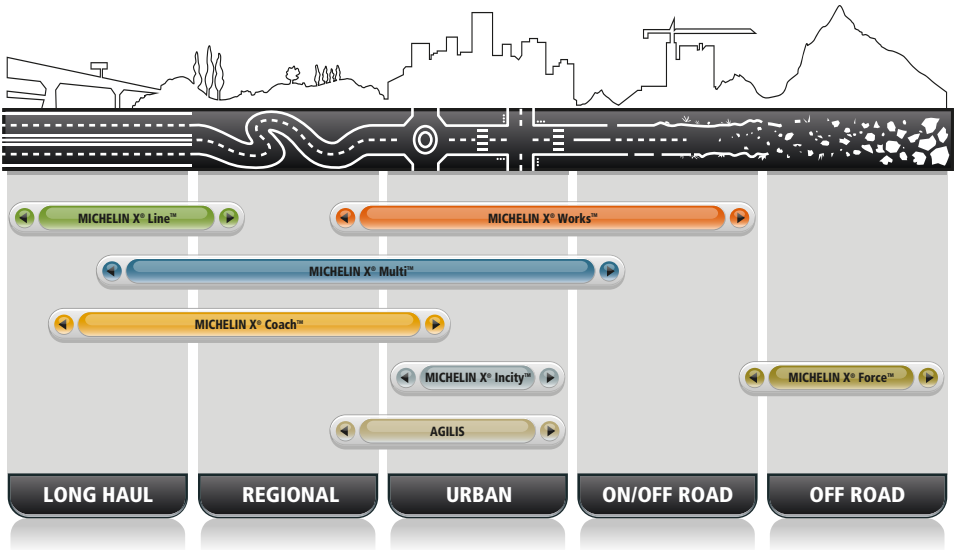
# 2 TECHNICAL CHARACTERISTICS TABLE AND PRODUCT OFFER


- USER FOCUS, USAGE FOCUS 08
- TECHNICAL CHARACTERISTICS TABLE 14 - 71

# TECHNICAL CHARACTERISTICS TABLE AND PRODUCT OFFER 2

## USER FOCUS, USAGE FOCUS

### FIND THE RIGHT TYRES FOR YOUR APPLICATION




X® LINE™

### 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

X® MULTI™

### 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

X® WORKS™

## 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

X® FORCE™

## Extreme robustness and off-road mobility for special vehicles

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

X® INCITY™

## 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

AGILIS

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

Light truck tyre ranges designed for multipurpose service

X® COACH™

## 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

## X LINE

**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*

## X MULTI

**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 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

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

# TECHNICAL CHARACTERISTICS TABLE AND PRODUCT OFFER

2

## X INCITY

Z

**MICHELIN**
X INCITY Z

**MICHELIN**
XZU 3+

**MICHELIN**
XZU 3

**MICHELIN**
XZU ENERGY

**MICHELIN**
XZU 2T

**MICHELIN**
X ONE XZU S

## AGILIS

Z

**MICHELIN**
AGILIS

**MICHELIN**
AGILIS HD

**MICHELIN**
XZA

**MICHELIN**
XJE 4 MIX ENERGY

**MICHELIN**
XZY 3

**MICHELIN**
XDW Ice Grip

## X COACH

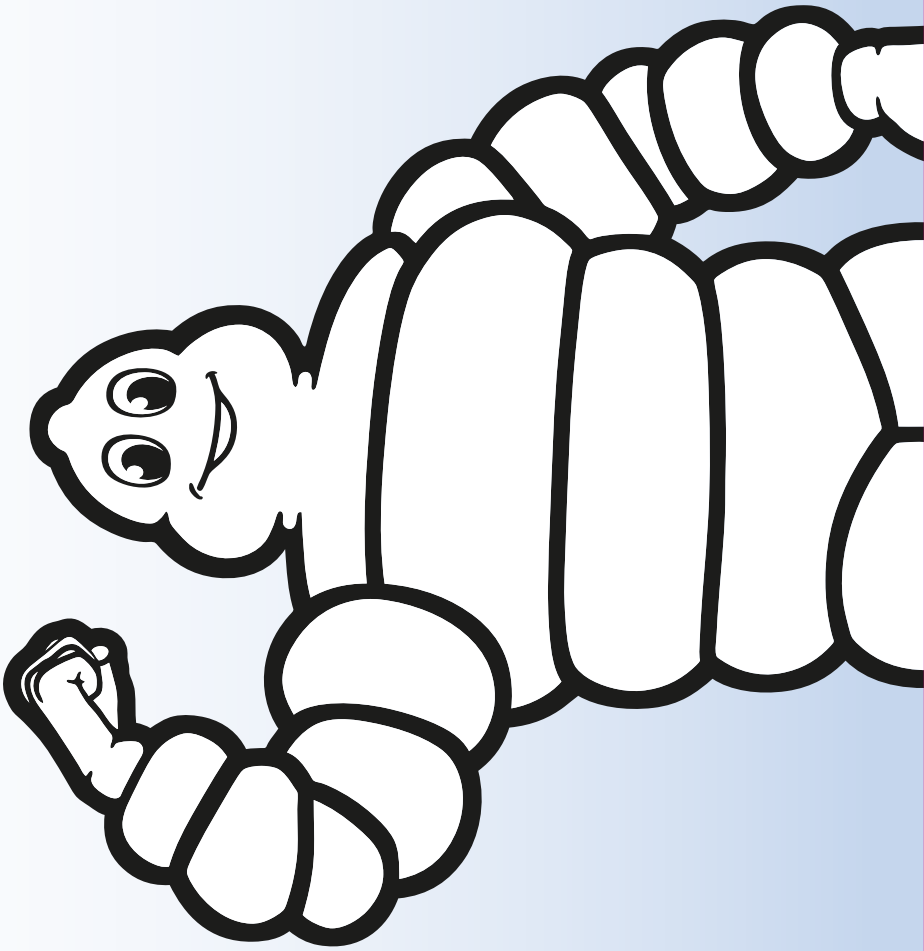
Z

**MICHELIN**
X COACH ENERGY Z

D

**MICHELIN**
X COACH XD

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



# 2 TECHNICAL CHARACTERISTICS 15 - 16 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 - B6.5 | 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<br>B6.5 - 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<br>5.50 K-6.5JJ | 217 | 199 | 721 | 337 | 2207 | 225 | 5.50JJ | | | |
| 195/85R16 | XJE4 MIX ENERGY | 7 | TL | | 114/112L | | | 8.5 | 2360 | 6.00 | 4480 | 6.00 | 206 | 751 | 2276 | 5J - 5 1/2J<br>6J - 6K | 217 | 197 | 733 | 343.5 | 2241 | 223 | 5.50JK | | | |
| 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<br>5 K - 5.50 K - 6 K | 219 | 197 | 742 | 347 | 2270 | 223 | 5.50 JJ | | | |
| 205/85R16 | XJE4 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 - 61/2K | 231 | 211 | 761 | 356 | 2330 | 239 | 6.00JK | | | |
| 215/85R16 | XJE4 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 | 6.00JK | | | |

• (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 |
| 7.50R15 | XTA | single | | | | | | | | | | | | | 2950 | 3060 | 3180 | 3300 | 3420 | 3540 | 3650 | 3770 | 3890 | 4010 | 4120 | 4240 | 4360 | | |
| | | dual | | | | | | | | | | | | | 5570 | 5790 | 6010 | 6240 | 6460 | 6680 | 6900 | 7130 | 7350 | 7570 | 7790 | 8020 | 8240 | | |
| 8.25R15 | XTA | single | | | | | | | | | | | | | 3680 | 3830 | 3980 | 4120 | 4270 | 4420 | 4570 | 4710 | 4860 | 5010 | 5160 | 5300 | 5450 | | |
| | | dual | | | | | | | | | | | | | 6960 | 7240 | 7520 | 7790 | 8070 | 8350 | 8630 | 8910 | 9190 | 9460 | 9740 | 10020 | 10300 | | |
| 10.00R15 | XTA | single | | | | | | | | | | | | | 4260 | 4430 | 4600 | 4770 | 4940 | 5110 | 5280 | 5450 | 5620 | 5790 | 5960 | 6130 | 6300 | | |
| | | dual | | | | | | | | | | | | | 7840 | 8150 | 8460 | 8780 | 9090 | 9410 | 9720 | 10030 | 10350 | 10660 | 10970 | 11290 | 11600 | | |
| 205/75R16 | XDW ICE GRIP | single | | | 1280 | 1360 | 1450 | 1530 | 1620 | 1700 | 1790 | 1870 | 1960 | 2040 | 2130 | 2210 | 2300 | | | | | | | | | | | | |
| | | dual | | | 2420 | 2580 | 2750 | 2910 | 3070 | 3230 | 3390 | 3550 | 3710 | 3880 | 4040 | 4200 | 4360 | | | | | | | | | | | | |
| 195/85R16 | XJE4 MIX ENERGY | single | | | 1310 | 1400 | 1490 | 1570 | 1660 | 1750 | 1840 | 1920 | 2010 | 2100 | 2190 | 2270 | 2360 | | | | | | | | | | | | |
| | | dual | | | 2490 | 2650 | 2820 | 2990 | 3150 | 3320 | 3480 | 3650 | 3820 | 3980 | 4150 | 4310 | 4480 | | | | | | | | | | | | |
| 195/85R16 | XDW ICE GRIP | single | | | 1310 | 1400 | 1490 | 1570 | 1660 | 1750 | 1840 | 1920 | 2010 | 2100 | 2190 | 2270 | 2360 | | | | | | | | | | | | |
| | | dual | | | 2490 | 2650 | 2820 | 2990 | 3150 | 3320 | 3480 | 3650 | 3820 | 3980 | 4150 | 4310 | 4480 | | | | | | | | | | | | |
| 205/85R16 | XJE4 MIX ENERGY | single | | | 1430 | 1520 | 1620 | 1710 | 1810 | 1900 | 2000 | 2090 | 2190 | 2280 | 2380 | 2470 | 2570 | | | | | | | | | | | | |
| | | dual | | | 2700 | 2880 | 3060 | 3240 | 3420 | 3600 | 3780 | 3960 | 4140 | 4320 | 4500 | 4680 | 4860 | | | | | | | | | | | | |
| | XDW ICE GRIP | single | | | 1430 | 1520 | 1620 | 1710 | 1810 | 1900 | 2000 | 2090 | 2190 | 2280 | 2380 | 2470 | 2570 | | | | | | | | | | | | |
| | | dual | | | 2700 | 2880 | 3060 | 3240 | 3420 | 3600 | 3780 | 3960 | 4140 | 4320 | 4500 | 4680 | 4860 | | | | | | | | | | | | |
| 215/85R16 | XJE4 MIX ENERGY | single | | | 1560 | 1660 | 1760 | 1870 | 1970 | 2070 | 2180 | 2280 | 2390 | 2490 | 2590 | 2700 | 2800 | | | | | | | | | | | | |
| | | dual | | | 2930 | 3130 | 3320 | 3520 | 3720 | 3910 | 4110 | 4300 | 4500 | 4690 | 4890 | 5080 | 5280 | | | | | | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS 15 - 16 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.00 R16 | AGILIS | 7 | TL | 16 | 117/113L | | | 9.2 | 2570 | 6.00 | 4600 | 6.00 | 208 | 794 | 2406 | 4.50E - 5.00E<br>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<br>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<br>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<br>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 | AGILIS | 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 | | | | | | | | | | | | |
| | AGILIS | 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 | AGILIS | single | | | | | | | 1840 | 1940 | 2000 | 2090 | 2190 | 2280 | 2380 | 2470 | 2570 | | | | | | | | | | | | |
| | | dual | | | | | | | 3550 | 3740 | 3890 | 4070 | 4260 | 4440 | 4630 | 4810 | 5000 | | | | | | | | | | | | |
| | AGILIS HD | single | | | | | | | 1840 | 1940 | 2000 | 2090 | 2190 | 2280 | 2380 | 2470 | 2570 | | | | | | | | | | | | |
| | | dual | | | | | | | 3550 | 3740 | 3890 | 4070 | 4260 | 4440 | 4630 | 4810 | 5000 | | | | | | | | | | | | |
| 8.25R16 | AGILIS | 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 | | | | | | | | |
| | AGILIS HD | 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 | | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS 17.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | |
| 245/70R17.5 | 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 | | | |
| | 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 | | | |
| 205/75R17.5 | X MULTI Z | 6 | TL | 14 | 124/122M | | | 11.5 | 3200 | 6.50 | 6000 | 6.50 | 212 | 765 | 2333 | 5.25 - 6.00 - 6.75 | 232 | 210 | 755 | 350 | 2304 | 238 | 6.00 | | | |
| | 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 | | | |
| | 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 | | | |
| 215/75R17.5 | 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)

| 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 |
| 215/70R17.5 | 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 MULTI Z | 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 | | | |
| | XZE 2 | 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 | | | | |
| | X MULTI D | 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 | | | |
| | XDE 2 | 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 MULTI Z | 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 | | | | | | | | | | |
| | 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 | | | | | | | | | | |
| | XDE 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 | | | | | | | | | | |
| 215/75R17.5 | X MULTI Z | 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 | | | | | | | | | |
| | XZE 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 | | | | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS 17.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 215/75R17.5 | XTE2+ | 2 | TL | | 135/133J | | | 12.2 | 4360 | 8.50 | 8240 | 8.50 | 220 | 779 | | 6.00 - 6.75 | 236 | 215 | 777 | 359 | 2370 | 243 | 6.00 | | | |
| | X MULTI T2 | 2 | TL | 18 | 136/134J | | | 12.2 | 4480 | 9.00 | 8480 | 9.00 | 220 | 779 | | 6.00 - 6.75 | 226 | 208 | 766 | 354 | 2353 | | 6.00 | | | |
| | 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 | | | |
| | XDE 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 | | | |
| 225/75R17.5 | 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 | | | |
| | 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 | | | |
| | XDE 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 | XTE2+ | 2 | TL | | 143/141J | | | 12.3 | 5450 | 8.50 | 10300 | 8.50 | 242 | 811 | | 6.75 - 7.50 | 265 | 241 | 796 | 364 | 2410 | 273 | 6.75 | | | |
| | X MULTI T2 | 2 | TL | 18 | 143/141J | 145/145F | 9.00 | 12.6 | 5450 | 9.00 | 10300 | 9.00 | 242 | 811 | | 6.75 - 7.50 | 264 | 240 | 797 | 365 | 2445 | | 6.75 | | | |
| | 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 | 2439 | 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 | 2433 | 272 | 6.75 | | | |
| | XDE 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 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 |
| 215/75R17.5 | XTE2+ | single | | | | | | | | | | | | | 2950 | 3060 | 3180 | 3300 | 3420 | 3540 | 3650 | 3770 | 3890 | 4010 | 4120 | 4240 | | | |
| | | dual | | | | | | | | | | | | | 5570 | 5790 | 6010 | 6240 | 6460 | 6680 | 6900 | 7130 | 7350 | 7570 | 7790 | 8020 | | | |
| | X MULTI T2 | single | | | | | | | | | | | | | 2860 | 2980 | 3090 | 3210 | 3320 | 3440 | 3550 | 3660 | 3780 | 3890 | 4010 | 4120 | 4240 | 4360 | 4480 |
| | | dual | | | | | | | | | | | | | 5460 | 5680 | 5890 | 6110 | 6330 | 6540 | 6760 | 6980 | 7190 | 7410 | 7630 | 7840 | 8080 | 8280 | 8480 |
| | 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 | | | | | | | | | |
| | XDE 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 | | | | | | | | |
| | 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 | 3140 | 3260 | 3370 | 3490 | 3610 | | | | | | | | |
| | XDE 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 | XTE2+ | single | | | | | | | | | | | | | 3680 | 3830 | 3980 | 4120 | 4270 | 4420 | 4570 | 4710 | 4860 | 5010 | 5160 | 5300 | | | |
| | | dual | | | | | | | | | | | | | 6960 | 7240 | 7520 | 7790 | 8070 | 8350 | 8630 | 8910 | 9190 | 9460 | 9740 | 10020 | | | |
| | X MULTI T2 | single | | | | | | | | | | | | | 3500 | 3630 | 3770 | 3910 | 4050 | 4190 | 4330 | 4470 | 4610 | 4750 | 4880 | 5020 | 5160 | 5300 | 5450 |
| | | dual | | | | | | | | | | | | | 6600 | 6850 | 7110 | 7380 | 7660 | 7940 | 8200 | 8450 | 8700 | 8950 | 9220 | 9500 | 9770 | 10050 | 10300 |
| | 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 | | | | | | | |
| | 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 | | | | | | |
| | XDE 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 | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS 17.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | |
| | XJE4 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 | | | |
| | XJS 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 pair Load variations according to speed do not apply to the unique point.

| 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 |
| | | 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 |
| 225/80R17.5 | XZN+ MIX ENERGY | single | | | 1720 | 1840 | 1950 | 2070 | 2180 | 2300 | 2410 | 2530 | 2640 | 2760 | 2870 | 2990 | 3100 | | | | | | | | | | | | |
| | | dual | | | 3330 | 3560 | 3780 | 4000 | 4220 | 4440 | 4670 | 4890 | 5110 | 5330 | 5560 | 5780 | 6000 | | | | | | | | | | | | |
| | XZN MIX ENERGY | single | | | 1720 | 1840 | 1950 | 2070 | 2180 | 2300 | 2410 | 2530 | 2640 | 2760 | 2870 | 2990 | 3100 | | | | | | | | | | | | |
| | | dual | | | 3330 | 3560 | 3780 | 4000 | 4220 | 4440 | 4670 | 4890 | 5110 | 5330 | 5560 | 5780 | 6000 | | | | | | | | | | | | |
| | XJE4 MIX ENERGY | single | | | 1720 | 1840 | 1950 | 2070 | 2180 | 2300 | 2410 | 2530 | 2640 | 2760 | 2870 | 2990 | 3100 | | | | | | | | | | | | |
| | | dual | | | 3330 | 3560 | 3780 | 4000 | 4220 | 4440 | 4670 | 4890 | 5110 | 5330 | 5560 | 5780 | 6000 | | | | | | | | | | | | |
| | XJS WINTER GRIP+ | single | | | 1720 | 1840 | 1950 | 2070 | 2180 | 2300 | 2410 | 2530 | 2640 | 2760 | 2870 | 2990 | 3100 | | | | | | | | | | | | |
| | | dual | | | 3330 | 3560 | 3780 | 4000 | 4220 | 4440 | 4670 | 4890 | 5110 | 5330 | 5560 | 5780 | 6000 | | | | | | | | | | | | |
| | XDW ICE GRIP | single | | | 1720 | 1840 | 1950 | 2070 | 2180 | 2300 | 2410 | 2530 | 2640 | 2760 | 2870 | 2990 | 3100 | | | | | | | | | | | | |
| | | dual | | | 3330 | 3560 | 3780 | 4000 | 4220 | 4440 | 4670 | 4890 | 5110 | 5330 | 5560 | 5780 | 6000 | | | | | | | | | | | | |
| 8.5R17.5 | XZA | single | | | | 1660 | 1760 | 1860 | 1970 | 2070 | 2180 | 2280 | 2380 | 2490 | 2590 | 2690 | 2800 | 2900 | | | | | | | | | | | |
| | | dual | | | | 3200 | 3400 | 3600 | 3800 | 4000 | 4200 | 4400 | 4600 | 4800 | 5000 | 5200 | 5400 | 5600 | | | | | | | | | | | |
| | XZT | single | | | | 1660 | 1760 | 1860 | 1970 | 2070 | 2180 | 2280 | 2380 | 2490 | 2590 | 2690 | 2800 | 2900 | | | | | | | | | | | |
| | | dual | | | | 3200 | 3400 | 3600 | 3800 | 4000 | 4200 | 4400 | 4600 | 4800 | 5000 | 5200 | 5400 | 5600 | | | | | | | | | | | |
| | XZY | single | | | | 1660 | 1760 | 1860 | 1970 | 2070 | 2180 | 2280 | 2380 | 2490 | 2590 | 2690 | 2800 | 2900 | | | | | | | | | | | |
| | | dual | | | | 3200 | 3400 | 3600 | 3800 | 4000 | 4200 | 4400 | 4600 | 4800 | 5000 | 5200 | 5400 | 5600 | | | | | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS 17.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5R17.5 | XTE2 | 2 | TL | | 143/141J | | | 13.0 | 5450 | 8.50 | 10300 | 8.50 | 250 | 857 | | 6.00 - 6.75 | 257 | 230 | 846 | 386 | 2560 | 260 | 6.75 | | | |
| | X MULTI Z | 6 | TL | | 129/127L | 143J | 8.50 | 11.6 | 3700 | 7.50 | 7000 | 7.50 | 250 | 857 | 2614 | 6.00 - 6.75 | 258 | 236 | 843 | 392 | 2580 | 267 | 6.00 | | | |
| | XZA+ | 6 | TL | | 129/127L | 143J | 8.50 | 12.1 | 3700 | 7.00 | 7000 | 7.00 | 250 | 857 | 2614 | 6.00 - 6.75 | 246 | 222 | 843 | 390 | 2568 | 252 | 6.00 | | | |
| | XZA | 6 | TL | 14 | 129/127L | | | 11.6 | 3700 | 7.00 | 7000 | 7.00 | 250 | 857 | 2614 | 6.00 - 6.75 | 253 | 231 | 844 | 391 | 2572 | 262 | 6.00 | | | |
| | XZT | 6 | TL | | 129/127L | | | 16.0 | 3700 | 7.00 | 7000 | 7.00 | 250 | 857 | 2614 | 6.00 - 6.75 | 250 | 228 | 840 | 388 | 2559 | 258 | 6.00 | | | |
| | XZY | 6 | TL | | 129/127L | | | 14.0 | 3700 | 7.00 | 7000 | 7.00 | 250 | 857 | 2614 | 6.00 - 6.75 | 266 | 241 | 861 | 397 | 2620 | 273 | 6.75 | | | |
| 10R17.5 | XZA | 6 | TL | | 134/132L | | | 12.5 | 4240 | 7.50 | 8000 | 7.50 | 264 | 875 | 2669 | 6.75 - 7.50 | 255 | 230 | 845 | 393 | 2573 | 260 | 6.75 | | | |
| 225/90R17.5 | XJE4 MIX ENERGY | 6 | TL | | 140/138L | | | 13.5 | 3500 | 6.50 | 6600 | 6.50 | 237 | 867 | 2644 | 6.00 - 6.75 | 257 | 232 | 849 | 395 | 2590 | 263 | 6.75 | | | |
| | XDW ICE GRIP | 6 | TL | 14 | 127/125L | | | 14.5 | 3500 | 6.50 | 6600 | 6.50 | 237 | 867 | 2644 | 6.75 - 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)

| 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 |
| 9.5R17.5 | XTE2 | single | | | | | | | | | | | | | 3680 | 3830 | 3980 | 4120 | 4270 | 4420 | 4570 | 4710 | 4860 | 5010 | 5160 | 5300 | | | |
| | | dual | | | | | | | | | | | | | 6960 | 7240 | 7520 | 7790 | 8070 | 8350 | 8630 | 8910 | 9190 | 9460 | 9740 | 10020 | | | |
| | X MULTI Z | single | | | | | | | | | 2350 | 2470 | 2580 | 2690 | 2800 | 2920 | 3030 | 3140 | 3250 | 3360 | 3480 | 3590 | 3700 | | | | | | |
| | | dual | | | | | | | | | 4450 | 4670 | 4880 | 5090 | 5300 | 5520 | 5730 | 5940 | 6150 | 6360 | 6580 | 6790 | 7000 | | | | | | |
| | XZA+ | 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 | | | | | | | | |
| | XZA | 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 | | | | | | | | |
| | XZT | 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 | | | | | | | | |
| | XZY | 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 | | | | | | | | |
| 10R17.5 | XZA | single | | | | | | | | | 2700 | 2830 | 2960 | 3080 | 3210 | 3340 | 3470 | 3600 | 3730 | 3850 | 3980 | 4110 | 4240 | | | | | | |
| | | dual | | | | | | | | | 5090 | 5330 | 5580 | 5820 | 6060 | 6300 | 6550 | 6790 | 7030 | 7270 | 7520 | 7760 | 8000 | | | | | | |
| 225/90R17.5 | XJE4 MIX ENERGY | single | | | | | 2050 | 2170 | 2290 | 2410 | 2530 | 2660 | 2780 | 2900 | 3020 | 3140 | 3260 | 3380 | 3500 | | | | | | | | | | |
| | | dual | | | | | 3870 | 4100 | 4320 | 4550 | 4780 | 5010 | 5230 | 5460 | 5690 | 5920 | 6140 | 6370 | 6600 | | | | | | | | | | |
| | XDW ICE GRIP | single | | | | | 2050 | 2170 | 2290 | 2410 | 2530 | 2660 | 2780 | 2900 | 3020 | 3140 | 3260 | 3380 | 3500 | | | | | | | | | | |
| | | dual | | | | | 3870 | 4100 | 4320 | 4550 | 4780 | 5010 | 5230 | 5460 | 5690 | 5920 | 6140 | 6370 | 6600 | | | | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS 19.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225/70R19.5 | XZE | 6 | TL | | 125/123L | | | 13.3 | | | | | | | | 6.00 - 6.75 | 240 | 227 | 819 | 378 | 2490 | 246 | 6.00 | | | |
| 245/70R19.5 | 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 | | | |
| | 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 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 |
| 225/70R19.5 | XZE | single | | | | | | | | | 2500 | 2620 | 2760 | 2830 | 2900 | 2950 | 3000 | 3140 | 3300 | | | | | | | | | | |
| | | dual | | | | | | | | | 4720 | 4920 | 5200 | 5300 | 5400 | 5520 | 5640 | 5880 | 6200 | | | | | | | | | | |
| 245/70R19.5 | X MULTI Z | single | | | | | | | | | | | 2980 | 3110 | 3240 | 3370 | 3500 | 3630 | 3750 | 3880 | 4010 | 4140 | 4270 | 4400 | | | | | |
| | | dual | | | | | | | | | | | 5640 | 5880 | 6130 | 6370 | 6620 | 6860 | 7110 | 7350 | 7600 | 7840 | 8090 | 8330 | | | | | |
| | XJE4 MIX ENERGY | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |
| | XZN+ MIX ENERGY | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |
| | XZN MIX ENERGY | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |
| | XZE2+ | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |
| | X MULTI D | single | | | | | | | | | | | 2980 | 3110 | 3240 | 3370 | 3500 | 3630 | 3750 | 3880 | 4010 | 4140 | 4270 | 4400 | | | | | |
| | | dual | | | | | | | | | | | 5640 | 5880 | 6130 | 6370 | 6620 | 6860 | 7110 | 7350 | 7600 | 7840 | 8090 | 8330 | | | | | |
| | XDE2+ | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |

# 2 TECHNICAL CHARACTERISTICS 19.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245/70R19.5 | XJS 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 | | | |
| 265/70R19.5 | 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 | | | |
| | 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 | | | |
| | XJW4+ | 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 | | | |
| | XTE2 | 2 | TL | | 143/141J | | | 14.0 | 5450 | 8.50 | 10300 | 8.60 | 272 | 881 | | 6.75 - 7.50 - 8.25 | 286 | 265 | 870 | 403 | 2650 | 300 | 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 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 |
| 245/70R19.5 | XJS WINTER GRIP+ | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |
| | XDW ICE GRIP | single | | | | | | | | | | 2900 | 3030 | 3160 | 3290 | 3430 | 3560 | 3690 | 3820 | 3950 | 4080 | 4220 | 4350 | 4480 | | | | | |
| | | dual | | | | | | | | | | 5490 | 5740 | 5990 | 6240 | 6480 | 6730 | 6980 | 7230 | 7480 | 7730 | 7980 | 8230 | 8480 | | | | | |
| 265/70R19.5 | X MULTI Z | 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 | | | | | |
| | XJW4+ | 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 MULTI D | single | | | | | | | | | | | 3440 | 3590 | 3740 | 3890 | 4040 | 4190 | 4340 | 4490 | 4640 | 4790 | 4940 | | | | | | |
| | | dual | | | | | | | | | | | 6500 | 6780 | 7070 | 7350 | 7630 | 7910 | 8200 | 8480 | 8760 | 9040 | 9330 | | | | | | |
| | XTE2 | single | | | | | | | | | | | | | 3680 | 3830 | 3980 | 4120 | 4270 | 4420 | 4570 | 4710 | 4860 | 5010 | 5160 | 5300 | | | |
| | | dual | | | | | | | | | | | | | 6960 | 7240 | 7520 | 7790 | 8070 | 8350 | 8630 | 8910 | 9190 | 9460 | 9740 | 10020 | | | |
| | 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 | | | | | |

# 2 TECHNICAL CHARACTERISTICS 19.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285/70R19.5 | X MULTI Z | 6 | TL | | 146/144L | 145/143M | 8.30 | 12.5 | 6000 | 8.30 | 11200 | 8.30 | 294 | 911 | 2779 | 7.50 - 8.25 - 9.00 | 298 | 273 | 893 | 411 | 2721 | 309 | 7.50 | | | |
| | XZE2+ | 6 | TL | | 144/142M | 145/143L | 8.00 | 13.9 | 5600 | 8.00 | 10600 | 8.00 | 294 | 911 | 2779 | 7.50 - 8.25 - 9.00 | 301 | 275 | 895 | 412 | 2720 | 311 | 7.50 | | | |
| | X MULTI D | 6 | TL | | 146/144L | 145/143M | 8.30 | 13.5 | 6000 | 8.30 | 11200 | 8.30 | 294 | 911 | 2779 | 7.50 - 8.25 - 9.00 | 276 | 273 | 897 | 412 | 2720 | 309 | 7.50 | | | |
| | XDE2+ | 6 | TL | | 144/142M | 145/143L | 8.00 | 16.5 | 5600 | 8.00 | 10600 | 8.00 | 294 | 911 | 2779 | 7.50 - 8.25 - 9.00 | 300 | 274 | 899 | 414 | 2740 | 310 | 7.50 | | | |
| 305/70R19.5 | XZE2+ | 6 | TL | | 147/145M | 148/146L | 8.00 | 14.9 | 6150 | 8.00 | 11600 | 8.00 | 309 | 941 | 2870 | 8.25 - 9.00 | 327 | 301 | 924 | 424 | 2800 | 341 | 8.25 | | | |
| | XDE2+ | 6 | TL | | 147/145M | 148/146L | 8.00 | 17.5 | 6150 | 8.00 | 11600 | 8.00 | 309 | 949 | 2894 | 8.25 - 9.00 | 327 | 301 | 931 | 428 | 2830 | 341 | 8.25 | | | |

• (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 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 |
| 285/70R19.5 | X MULTI Z | 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 | | | |
| | XZE2+ | 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 | | | | |
| | X MULTI D | 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 | | | |
| | XDE2+ | 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 | | | | |
| 305/70R19.5 | XZE2+ | 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 | | | | |
| | XDE2+ | 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 | | | | |

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.25R20 | XZE | 6 | TT | | 133/131K | 133/131L | 6.50 | 11.6 | 4120 | 6.50 | 7800 | 6.50 | 239 | 980 | 2989 | 5.5 - B5.5 - 6.0<br>6.00T - B6.0 - 6.5<br>B6.5 - 7.0 - B7.0 | 256 | 232 | 962 | 451 | 2950 | 263 | 6.50 | 20 K | 20x7.50 | |
| 9.00R20 | XZE 2 | 2 | TT | 16 | 144/142K | | | 13.7 | 5600 | 9.00 | 10600 | 9.00 | | | | 6.0 - 6.00T<br>6.5 - 7.0 - 7.5 | 283 | 256 | 1017 | 476.5 | 3115 | 290 | 7.00 | 20 M | 20x7.50 | |
| 10.00R20 | XZE 3 R | 2 | TT | 16 | 147/143K | | | 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 | |
| | XZE 2 | 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 | 147/143K | | | 15.6 | 6150 | 7.90 | 10900 | 7.90 | 286 | 1074 | 3276 | 6.50 - 7.00<br>7.50 - 8.00 | 309 | 277 | 1057 | 495 | | 313 | 7.50 | 20 N | 20x7.50 | |
| | XZY 3 | 3 | TT | 16 | 147/143K | | | 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<br>7.50 - 8.00 | 309 | 279 | 1059 | 493 | 3240 | 316 | 7.50 | 20 N | 20x7.50 | |
| | XDY 3 | 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 | |

• (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 |
| 8.25R20 | XZE | 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 | | | | | | | | | | | |
| 9.00R20 | 16PR | single | | | | | | | | | | | | | | | 3880 | 4020 | 4160 | 4310 | 4450 | 4590 | 4740 | 4880 | 5030 | 5170 | 5310 | 5460 | 5600 | |
| | | dual | | | | | | | | | | | | | | | 7340 | 7610 | 7880 | 8150 | 8430 | 8700 | 8970 | 9240 | 9510 | 9780 | 10060 | 10330 | 10600 | |
| 10.00R20 | XZE 3 R | 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 | | | | | |
| | XZE 2 | 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 | | | | | |
| | XZY3 HD | single | | | | | | | | | | | 4090 | 4270 | 4440 | 4620 | 4800 | 4980 | 5150 | 5330 | 5510 | 5690 | 5870 | 6040 | | | | | | |
| | | dual | | | | | | | | | | | 7250 | 7560 | 7880 | 8190 | 8510 | 8820 | 9140 | 9450 | 9770 | 10080 | 10400 | 10710 | | | | | | |
| | XZY 3 | 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 | | | | | |
| | XDY3 HD | single | | | | | | | | | | | 4090 | 4270 | 4440 | 4620 | 4800 | 4980 | 5150 | 5330 | 5510 | 5690 | 5870 | 6040 | | | | | | |
| | | dual | | | | | | | | | | | 7250 | 7560 | 7880 | 8190 | 8510 | 8820 | 9140 | 9450 | 9770 | 10080 | 10400 | 10710 | | | | | | |
| | XDY 3 | 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 | | | | | |

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.00R20 | XZE 3 R | 2 | TT | 16 | 150/146K | 150/147J | 8.00 | 12.3 | 6700 | 8.00 | 12000 | 8.00 | 297 | 1104 | 3367 | 6.50 - 7.0 - 7.5<br>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<br>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<br>8.5 - B8.5 - 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<br>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<br>8.50 - 9.00 | 331 | 300 | 1096 | 509 | 3329 | 340 | 8.00 | 20 P | 20x8.50 | |
| 12.00R20 | XZE 2 | 2 | TT | 18 | 154/150K | | | 15.2 | 7500 | 8.50 | 13400 | 8.50 | 319 | 1146 | 3495 | 8.00V - 8.5<br>8.50V - 9.00V | 345 | 313 | 1121 | 521 | 3420 | 354 | 8.50 | 20 Q | 20x8.50 | |
| | 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 | |

• (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 |
| 11.00R20 | XZE 3 R | 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 | | | | | |
| | XZE 2 | 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 | | | | | |
| | XZE 2 | 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 | 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 | | | | | |
| | XDY 3 | 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 | | | | | |
| 12.00R20 | XZE 2 | 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 | | | |
| | XZY 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 | | | |

# 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 | 7.33V - 8.0 - 8.0V<br>B8.0 - 8.5 - 8.50V<br>B8.5 - 9.0 - 9.00V | 350 | 319 | 1140 | 531 | 3468 | 360 | 8.50 | | 20x8.50 | |
| | XDY 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 | 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 | | 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 | | 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 | 4690 | 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) | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445/45R19.5 | XTA2 ENERGY | 1 | TL | | 160J | | | 13.0 | 9000 | 9.00 | | | | | | 14.00 | 463 | 436 | 903 | 413 | 2761 | | 14.00 | | | |
| 445/50R22.5 | X ONE LINE D | 1 | TL | 20 | LRL | | | 19.2 | 9250 | 8.25 | | | 463 | 1036 | | 14.00 | 464 | 434 | 1020 | 471 | | | 14.00 | | | |
| | X ONE LINE GRIP D | 2 | TL | 20 | LRL | | | 21.8 | 9250 | 8.25 | | | 463 | 1036 | | 14.00 | 464 | 435 | 1026 | 473 | | | 14.00 | | | |
| | X ONE LINE ENERGY T | 1 | TL | 20 | LRL | | | 10.3 | 9250 | 8.25 | | | 463 | 1036 | | 14.00 | 464 | 435 | 1004 | 465 | | | 14.00 | | | |
| | X ONE MULTI ENERGY T | 2 | TL | 20 | LRL | | | 12.9 | 9250 | 8.25 | | | 463 | 1036 | | 14.00 | 458 | 433 | 1008 | 467 | | | 14.00 | | | |
| 385/55R22.5 | XFA2 ENERGY | 1 | TL | | 158L | 160J | 9.00 | 13.0 | 8500 | 9.00 | | | 401 | 1012 | 3087 | 11.75 | 474 | 442 | 1071 | 495 | 3252 | | 14.00 | | | |
| | X MULTI T | 2 | TL | | 160K | 158L | 8.50 | 13.0 | 9000 | 9.00 | | | 401 | 1012 | 3087 | 11.75 | 406 | 378 | 998 | 460 | 3068 | | 11.75 | | | |
| | X MULTI T2 | 2 | TL | | 160K | 158L | 9.00 | 14.9 | 4500 | 9.00 | | | 401 | 1012 | 3087 | 11.75 - 12.25 | 410 | 381 | 1001 | 461 | 3071 | | 11.75 | | | |
| | X LINE ENERGY T | 1 | TL | | 160K | 158L | 9.00 | 11.3 | 4500 | 9.00 | | | 401 | 1012 | 3087 | 11.75 - 12.25 | 403 | 376 | 996 | 458 | 3060 | | 11.75 | | | |
| 455/55R22.5 | X ONE XZY3 | 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 XDN2 | 2 | TL | | LRL | | | 21.6 | 10000 | 9.00 | | | | | | 14.00 | | 497 | 1076 | | | | 14.00 | | | |
| | X ONE LINE GRIP D | 2 | TL | 20 | 164L | | | 21.8 | 1000 | 8.30 | | | 470 | 1092 | | 14.00 | 474 | 442 | 1071 | 495 | 3252 | | 14.00 | | | |
| | X ONE MULTI ENERGY T | 2 | TL | | LRL | | | 12.8 | 10000 | 9.00 | | | | | | 14.00 | | 490 | 1058 | | | | 14.00 | | | |

• (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 |
| 445/45R19.5 | XTA2 ENERGY | single | | | | | | | | | | | | | | | 6230 | 6460 | 6690 | 6920 | 7150 | 7380 | 7620 | 7850 | 8080 | 8310 | 8540 | 8770 | 9000 |
| 445/50R22.5 | X ONE LINE D | single | | | | | | | | | | | | 6300 | 6640 | 6420 | 6699 | 6978 | 7257 | 7536 | 7816 | 8240 | 8374 | 8653 | 8932 | 9250 | | | |
| | X ONE LINE GRIP D | single | | | | | | | | | | | | 6300 | 6640 | 6420 | 6699 | 6978 | 7257 | 7536 | 7816 | 8240 | 8374 | 8653 | 8932 | 9250 | | | |
| | 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 | XFA2 ENERGY | 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 MULTI T2 | 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 |
| 455/55R22.5 | X ONE XZY3 | 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 XDN2 | single | | | | | | | | | | | | 6800 | 7160 | 7462 | 7697 | 7935 | 8155 | 8469 | 8688 | 8911 | 9145 | 9450 | 9663 | 10000 | | | |
| | X ONE LINE GRIP D | single | | | | | | | | | | | | 6800 | 7160 | 7462 | 7697 | 7935 | 8155 | 8469 | 8688 | 8911 | 9145 | 9450 | 9663 | 10000 | | | |
| | X ONE MULTI ENERGY T | single | | | | | | | | | | | | 6800 | 7160 | 7462 | 7697 | 7935 | 8155 | 8469 | 8688 | 8911 | 9145 | 9450 | 9663 | 10000 | | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | 158/L | 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 | | | |
| 425/65R22.5 | 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 | | | |

• (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 |
| 385/65R22.5 | 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 SAVERGREEN XT | single | | | | | | | | | | | | | | | 6230 | 6460 | 6690 | 6920 | 7150 | 7380 | 7620 | 7850 | 8080 | 8310 | 8540 | 8770 | 9000 |
| | XTE 3 | single | | | | | | | | | | | | | | | 6230 | 6460 | 6690 | 6920 | 7150 | 7380 | 7620 | 7850 | 8080 | 8310 | 8540 | 8770 | 9000 |
| 425/65R22.5 | XZY 3 | single | | | | | | | | | | | | | | | 7520 | 7790 | 8070 | 8350 | 8630 | 8910 | 9190 | 9460 | 9740 | 10020 | 10300 | | |
| | XTE2 | single | | | | | | | | | | | | | 6960 | 7240 | 7520 | 7790 | 8070 | 8350 | 8630 | 8910 | 9190 | 9460 | 9740 | 10020 | 10300 | | |
| 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 |

# 2 TECHNICAL CHARACTERISTICS 22.5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 MULTI Z2 | 2 | TL | 16 | 148/145L | | | 14.5 | 6300 | 8.50 | 11600 | 8.50 | 290 | 1070 | 3264 | 7.50 - 8.25 | 299 | 272 | 1044 | 488 | 3200 | | 7.50 | | | |
| | 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 | | | |
| | XJE4 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 | | | |
| | XJW4+ | 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 | | | |

• (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 |
| 9R22.5 | XZA | 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 | | | | | | | | | | |
| | XZY | 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 | | | | | | | | | | |
| 10R22.5 | XZA | 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 | | | | |
| | XZY | 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 | | | | |
| 11R22.5 | X MULTI 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 | | | | |
| | X MULTI Z2 | single | | | | | | | | | | | 3920 | 4070 | 4230 | 4400 | 4570 | 4750 | 4920 | 5100 | 5280 | 5460 | 5620 | 5780 | 5930 | 6110 | 6300 | | |
| | | dual | | | | | | | | | | | 7250 | 7560 | 7870 | 8180 | 8500 | 8810 | 9120 | 9430 | 9750 | 10060 | 10360 | 10670 | 10980 | 11290 | 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 | 10900 | 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 | | | | |
| | XJE4 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 | | | | |
| | XJW4+ | 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) | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | |
| | X MULTI D+ | 2 | TL | 16 | 148/145L | | | 23.5 | 6300 | 8.30 | 11600 | 8.30 | 290 | 1070 | 3264 | 7.50 - 8.25 | 314 | 284 | 1067 | 498 | 3233 | 321 | 8.25 | | | |
| | 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 | | | |
| | XDY 3 | 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 ICE 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 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 |
| 11R22.5 | 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 | 5490 | 6120 | 6300 | | | | |
| | | dual | | | | | | | | | | | 7620 | 7950 | 8290 | 8620 | 8950 | 9280 | 9610 | 9940 | 10270 | 10610 | 10940 | 11270 | 11600 | | | | |
| | XJS WINTER GRIP+ | single | | | | | | | | | | | 4140 | 4320 | 4500 | 4680 | 4860 | 5040 | 5220 | 5400 | 5580 | 5760 | 5490 | 6120 | 6300 | | | | |
| | | dual | | | | | | | | | | | 7620 | 7950 | 8290 | 8620 | 8950 | 9280 | 9610 | 9940 | 10270 | 10610 | 10940 | 11270 | 11600 | | | | |
| | X MULTI D | 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 D+ | 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 | | | | | | | | | | 3820 | 4010 | 4150 | 4340 | 4480 | 4700 | 4870 | 5050 | 5220 | 5400 | 5570 | 5740 | 5920 | 6090 | 6270 | | | |
| | | dual | | | | | | | | | | 7050 | 7410 | 7670 | 8030 | 8290 | 8650 | 8970 | 9290 | 9610 | 9930 | 10250 | 10570 | 10900 | 11220 | 11540 | | | |
| | XTE2 | single | | | | | | | | | | | 3480 | 3630 | 3790 | 3940 | 4090 | 4240 | 4390 | 4540 | 4690 | 4850 | 5000 | 5150 | 5300 | | | | |
| | | dual | | | | | | | | | | | 6970 | 7270 | 7570 | 7870 | 8180 | 8480 | 8780 | 9090 | 9390 | 9690 | 9990 | 10300 | 10600 | | | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | |

• (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 |
| 12R22.5 | X LINE ENERGY Z | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | X MULTI Z | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | X WORKS XZY | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | XZE2+ | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | XZY 2 | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | X WORKS XDY | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | XDE2+ | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | XDE2+ | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | XDY 3 | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | |
| 295/60R22.5 | XZA2 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 | | | |

• (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 |
| 13R22.5 | X WORKS HD Z | 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 | |
| | WORKS XZY | 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 | |
| | XZE 2 | single | | | | | | | | | | | | | | | | | 6270 | 6485 | 6700 | 6920 | 7140 | 7350 | 7570 | 7780 | 8000 | | |
| | | dual | | | | | | | | | | | | | | | | | 10500 | 10865 | 11230 | 11590 | 11950 | 12310 | 12680 | 13040 | 13400 | | |
| | XZH2 R | 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 | | | | |
| | X WORKS HD D | 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 | |
| | X WORKS XDY | 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 | |
| | XDY 3 | 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 | XZA2 ENERGY | 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 |
| | XDA 2+ ENERGY | 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 |
| | X MULTIWAY XD | single | | | | | | | | | | | | | | | 4640 | 4810 | 4980 | 5150 | 5330 | 5500 | 5670 | 5840 | 6010 | 6180 | 6360 | 6530 | 6700 |
| | | dual | | | | | | | | | | | | | | | 8520 | 8830 | 9150 | 6460 | 9780 | 10090 | 10410 | 10720 | 11040 | 11350 | 11670 | 11980 | 12300 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 148/145J | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 |
| 315/60R22.5 | XZA2 ENERGY | 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 | 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 | | |
| 255/70R22.5 | XZA | 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 | | | | |
| | XZE* | single | | | | | | | | | | | | | 3800 | 3910 | 4020 | 4130 | 4240 | 4360 | 4480 | 4600 | 4700 | 4800 | 4900 | 5000 | | | |
| | | dual | | | | | | | | | | | | | 7200 | 7400 | 7600 | 7800 | 8000 | 8120 | 8240 | 8360 | 8570 | 8780 | 8990 | 9200 | | | |
| 275/70R22.5 | X MULTI Z | 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 |
| | X INCITY Z | 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 |
| | XZE2+ | 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 |
| | XJW4+ | 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 | | |
| | X MULTI D | 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 |
| | XDE2+ | 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 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 HL Z | 2 | TL | 20 | 154/150L | 152/148M | 9.00 | 14.3 | 7500 | 9.00 | 13400 | 9.00 | 317 | 1018 | 3105 | 8.25 - 9.00 | 328 | 308 | 998 | 462 | 3048 | 340 | 8.25 | | | |
| | 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 | | | |
| | X INCITY EV Z | 5 | TL | 20 | 153/150J | 156/150E | 9.00 | 17.5 | 7300 | 9.00 | 13400 | 9.00 | 317 | 1018 | 3105 | 8.25 - 9.00 | 323 | 296 | 1008 | 466 | 3070 | 340 | 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 | | | |
| | X MULTI D | 2 | TL | | 154/150L | | | 18.5 | 7500 | 9.00 | 13400 | 9.00 | 317 | 1018 | 3105 | 8.25 - 9.00 | 326 | 299 | 1006 | 464 | 3061 | 340 | 8.25 | | | |

• (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 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 |
| 275/70R22.5 | XDW ICE GRIP | 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 | | |
| | X MULTI | 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 |
| | XTY2 | 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 HL Z | single | | | | | | | | | | | | | | | 5160 | 5370 | 5570 | 5750 | 5920 | 6120 | 6330 | 6530 | 6710 | 6890 | 7070 | 7290 | 7500 |
| | | dual | | | | | | | | | | | | | | | 9280 | 9640 | 10000 | 10310 | 10620 | 10930 | 11280 | 11640 | 12000 | 12350 | 12700 | 13050 | 13400 |
| | 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 INCITY 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 INCITY EV Z | single | | | | | | | | | | | 4300 | 4500 | 4700 | 4880 | 5060 | 5240 | 5420 | 5600 | 5780 | 5960 | 6160 | 6360 | 6560 | 6740 | 6920 | 7100 | 7300 |
| | | dual | | | | | | | | | | | 7840 | 8200 | 8560 | 8920 | 9280 | 9640 | 10000 | 10280 | 10600 | 10920 | 11280 | 11640 | 12000 | 12320 | 12680 | 13040 | 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 |
| | XDE2+ | 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 |
| | X MULTI D | single | | | | | | | | | | | 4400 | 4610 | 4810 | 4970 | 5160 | 5370 | 5570 | 5750 | 5920 | 6120 | 6330 | 6530 | 6710 | 6890 | 7070 | 7290 | 7500 |
| | | dual | | | | | | | | | | | 7870 | 8210 | 8570 | 8920 | 9280 | 9640 | 10000 | 10310 | 10620 | 10930 | 11280 | 11640 | 12000 | 12350 | 12700 | 13050 | 13400 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 315/70R22.5 | X MULTIWAY 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 MULTIWAY 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 | | 151/148J | 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 | | 151/148J | 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 INCITY XZU3 | 5 | TL | | 149/146J | 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 | | | |
| | XJE4 MIX ENERGY | 1 | TL | | 151/148J | 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 | | 151/148J | 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 | | | |

• (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 |
| 315/70R22.5 | X MULTIWAY 3D XZE | single | | | | | | | | | | | | | | | 5540 | 5740 | 5950 | 6150 | 6360 | 6560 | 6770 | 6970 | 7180 | 7380 | 7590 | 7790 | 8000 |
| | | dual | | | | | | | | | | | | | | | 9280 | 9620 | 9960 | 10310 | 10650 | 10990 | 11340 | 11680 | 12030 | 12370 | 12710 | 13060 | 13400 |
| | X MULTIWAY 3D XDE | single | | | | | | | | | | | | | | | 5190 | 5380 | 5580 | 5770 | 5960 | 6150 | 6350 | 6540 | 6730 | 6920 | 7120 | 7310 | 7500 |
| | | dual | | | | | | | | | | | | | | | 9280 | 9620 | 9960 | 10310 | 10650 | 10990 | 11340 | 11680 | 12030 | 12370 | 12710 | 13060 | 13400 |
| | XDA 2+ ENERGY | single | | | | | | | | | | | | | | | 5190 | 5380 | 5580 | 5770 | 5960 | 6150 | 6350 | 6540 | 6730 | 6920 | 7120 | 7310 | 7500 |
| | | dual | | | | | | | | | | | | | | | 9280 | 9620 | 9960 | 10310 | 10650 | 10990 | 11340 | 11680 | 12030 | 12370 | 12710 | 13060 | 13400 |
| | XDW ICE GRIP | single | | | | | | | | | | | | | | | 5190 | 5380 | 5580 | 5770 | 5960 | 6150 | 6350 | 6540 | 6730 | 6920 | 7120 | 7310 | 7500 |
| | | dual | | | | | | | | | | | | | | | 9280 | 9620 | 9960 | 10310 | 10650 | 10990 | 11340 | 11680 | 12030 | 12370 | 12710 | 13060 | 13400 |
| 275/80R22.5 | XZN+ MIX ENERGY | single | | | | | | | | | | | | | | | 4780 | 4950 | 5130 | 5310 | 5480 | 5660 | 5840 | 6020 | 6190 | 6370 | 6550 | 6720 | 6900 |
| | | dual | | | | | | | | | | | | | | | 8720 | 9050 | 9370 | 9690 | 10020 | 10340 | 10660 | 10980 | 11310 | 11630 | 11950 | 12280 | 12600 |
| | XZN MIX ENERGY | single | | | | | | | | | | | | | | | 4780 | 4950 | 5130 | 5310 | 5480 | 5660 | 5840 | 6020 | 6190 | 6370 | 6550 | 6720 | 6900 |
| | | dual | | | | | | | | | | | | | | | 8720 | 9050 | 9370 | 9690 | 10020 | 10340 | 10660 | 10980 | 11310 | 11630 | 11950 | 12280 | 12600 |
| | X INCITY XZU3 | single | | | | | | | | | | | | | 4390 | 4570 | 4740 | 4920 | 5090 | 5270 | 5450 | 5620 | 5800 | 5970 | 6150 | 6320 | 6500 | | |
| | | dual | | | | | | | | | | | | | 8110 | 8430 | 8760 | 9080 | 9410 | 9730 | 10050 | 10380 | 10700 | 11030 | 11350 | 11680 | 12000 | | |
| | XZE2+ | single | | | | | | | | | | | | | 4390 | 4570 | 4740 | 4920 | 5090 | 5270 | 5450 | 5620 | 5800 | 5970 | 6150 | 6320 | 6500 | | |
| | | dual | | | | | | | | | | | | | 8110 | 8430 | 8760 | 9080 | 9410 | 9730 | 10050 | 10380 | 10700 | 11030 | 11350 | 11680 | 12000 | | |
| | XJE4 MIX ENERGY | single | | | | | | | | | | | | | | | 4780 | 4950 | 5130 | 5310 | 5480 | 5660 | 5840 | 6020 | 6190 | 6370 | 6550 | 6720 | 6900 |
| | | dual | | | | | | | | | | | | | | | 8720 | 9050 | 9370 | 9690 | 10020 | 10340 | 10660 | 10980 | 11310 | 11630 | 11950 | 12280 | 12600 |
| | XDE2+ | single | | | | | | | | | | | | | 4390 | 4570 | 4740 | 4920 | 5090 | 5270 | 5450 | 5620 | 5800 | 5970 | 6150 | 6320 | 6500 | | |
| | | dual | | | | | | | | | | | | | 8110 | 8430 | 8760 | 9080 | 9410 | 9730 | 10050 | 10380 | 10700 | 11030 | 11350 | 11680 | 12000 | | |
| | XDW ICE GRIP | single | | | | | | | | | | | | | | | 4780 | 4950 | 5130 | 5310 | 5480 | 5660 | 5840 | 6020 | 6190 | 6370 | 6550 | 6720 | 6900 |
| | | 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) | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 295/80R22.5 | X LINE ENERGY Z | 1 | TL | 18 | 152/149M | 153/150J | 8.50 | 14.0 | 7100 | 9.00 | 13000 | 9.00 | 310 | 1072 | 3270 | 8.25 - 9.00 | 324 | 296 | 1053 | 490 | 3225 | 326 | 8.25 | | | |
| | X MULTI Z | 2 | TL | 18 | 152/149M | 153/150J | 9.00 | 15.3 | 7100 | 9.00 | 13000 | 9.00 | 310 | 1072 | 3270 | 8.25 - 9.00 | 326 | 298 | 1055 | 492 | 3231 | 337 | 8.25 | | | |
| | X MULTI Z2 | 2 | TL | 18 | 154/150L | 152/149M | 8.50 | 15.0 | 7500 | 8.50 | 13400 | 8.50 | 310 | 1062 | 3270 | 8.25 - 9.00 | 325 | 295.5 | 1045 | 484 | 3198 | 334 | 8.25 | | | |
| | X MULTIWAY 3D XZE | 2 | TL | | 152/148L | | | 15.2 | 7100 | 8.30 | 12600 | 8.00 | 310 | 1072 | 3270 | 8.25 - 9.00 | 328 | 297 | 1054 | 488 | 3221 | 326 | 8.25 | | | |
| | X WORKS Z | 3 | TL | 18 | 152/149K | 154/150J | 8.50 | 17.0 | 7100 | 8.50 | 13000 | 8.50 | 310 | 1112 | 3392 | 8.25 - 9.00 | 327 | 298 | 1060 | 493 | 3239 | 326 | 8.25 | | | |
| | X COACH ENERGY Z | 8 | TL | 18 | 152/149M | 153/150J | 8.50 | 14.1 | 6100 | 9.00 | 13000 | 9.00 | 310 | 1072 | 3270 | 8.25 - 9.00 | 324 | 297 | 1048 | 489 | 3232 | 326 | 8.25 | | | |
| | X COACH HL Z | 8 | TL | | 154/149M | | | 14.0 | 7500 | 8.50 | 13000 | 8.00 | 302 | 1062 | 3239 | 8.25 | 329 | 299 | 1055 | 488 | 3229 | 326 | 8.25 | | | |
| | XZA 2+ ENERGY | 1 | TL | 16 | 152/148M | 153/150J | 8.75 | 14.8 | 7100 | 8.50 | 12600 | 8.50 | 310 | 1062 | 3239 | 8.25 - 9.00 | 325 | 296 | 1057 | 490 | 3220 | 335 | 8.25 | | | |
| | XZE2+ | 2 | TL | | 152/148M | | | 15.3 | 7100 | 8.50 | 12600 | 8.50 | 310 | 1062 | 3239 | 8.25 - 9.00 | 327 | 296 | 1057 | 490 | 3220 | 334 | 8.25 | | | |
| | XZY 2 | 3 | TL | | 152/148K | | | 17.8 | 7100 | 8.50 | 12600 | 8.50 | 310 | 1112 | 3392 | 8.25 - 9.00 | 328 | 299 | 1060 | 492 | 3240 | 330 | 8.25 | | | |
| | X INCITY XZU 3+ | 5 | TL | 16 | 152/148J | 154/150E | 8.75 | 18.0 | 7100 | 8.50 | 12600 | 8.50 | 310 | 1072 | 3270 | 8.25 - 9.00 | 328 | 297 | 1056 | 491 | 3225 | 336 | 8.25 | | | |
| | X INCITY Z | 5 | TL | 16 | 154/149J | | | 16.5 | 7500 | 8.50 | 13000 | 8.50 | 310 | 1062 | 3270 | 8.25 - 9.00 | 338 | 307 | 1048 | 484 | 3194 | | 8.25 | | | |
| | XJW4+ | 2 | TL | | 152/149L | 153/150J | 8.75 | 16.0 | 7100 | 8.50 | 13000 | 8.50 | 310 | 1112 | 3392 | 8.25 - 9.00 | 327 | 299 | 1054 | 489 | 3220 | 338 | 8.25 | | | |

• (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 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 |
| 295/80R22.5 | X LINE ENERGY Z | single | | | | | | | | | | | | | | | 4920 | 5100 | 5280 | 5460 | 5640 | 5830 | 6010 | 6190 | 6370 | 6550 | 6740 | 6920 | 7100 |
| | | dual | | | | | | | | | | | | | | | 9000 | 9330 | 9670 | 10000 | 10330 | 10670 | 11000 | 11330 | 11670 | 12000 | 12330 | 12670 | 13000 |
| | X MULTI Z | single | | | | | | | | | | | | | | | 4920 | 5100 | 5280 | 5460 | 5640 | 5830 | 6010 | 6190 | 6370 | 6550 | 6740 | 6920 | 7100 |
| | | dual | | | | | | | | | | | | | | | 9000 | 9330 | 9670 | 10000 | 10330 | 10670 | 11000 | 11330 | 11670 | 12000 | 12330 | 12670 | 13000 |
| | X MULTI Z2 | single | | | | | | | | | | | | | | | 5500 | 5670 | 5850 | 6040 | 6250 | 6450 | 6660 | 6870 | 7080 | 7290 | 7500 | | |
| | | dual | | | | | | | | | | | | | | | 9710 | 10080 | 10500 | 10910 | 11280 | 11640 | 12000 | 12350 | 12700 | 13050 | 13400 | | |
| | X MULTIWAY 3D XZE | single | | | | | | | | | | | | | | 5300 | 5490 | 5690 | 5880 | 6080 | 6280 | 6470 | 6670 | 6860 | 7060 | | | | |
| | | dual | | | | | | | | | | | | | | | 9720 | 10080 | 10440 | 10800 | 11160 | 11520 | 11880 | 12240 | 12600 | | | | |
| | X WORKS Z | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | X COACH ENERGY Z | single | | | | | | | | | | | | | | | 4920 | 5100 | 5280 | 5460 | 5640 | 5830 | 6010 | 6190 | 6370 | 6550 | 6740 | 6920 | 7100 |
| | | dual | | | | | | | | | | | | | | | 9000 | 9330 | 9670 | 10000 | 10330 | 10670 | 11000 | 11330 | 11670 | 12000 | 12330 | 12670 | 13000 |
| | X COACH HL Z | single | | | | | | | | | | | 4770 | 4970 | 5180 | 5390 | 5590 | 5800 | 6010 | 6220 | 6420 | 6630 | 6840 | 7040 | 7250 | 7460 | | | |
| | | dual | | | | | | | | | | | 8540 | 8910 | 9290 | 9660 | 10030 | 10400 | 10770 | 11140 | 11510 | 11890 | 12260 | 12630 | 13000 | | | | |
| | XZA 2+ ENERGY | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | XZE2+ | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | XZY 2 | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | X INCITY XZU 3+ | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | X INCITY Z | single | | | | | | | | | | | 4600 | 4840 | 5080 | 5280 | 5500 | 5660 | 5840 | 6040 | 6240 | 6440 | 6660 | 6860 | 7080 | 7280 | 7500 | | |
| | | dual | | | | | | | | | | | 8120 | 8400 | 8720 | 9040 | 9400 | 9760 | 10120 | 10480 | 10840 | 11200 | 11560 | 11920 | 12280 | 12640 | 13000 | | |
| | XJW4+ | single | | | | | | | | | | | | | | | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6270 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | | | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 295/80R22.5 | 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 MULTI D+ | 2 | TL | 18 | 152/149M | | | 20.0 | 7100 | 8.30 | 13000 | 8.30 | 310 | 1072 | 3270 | 8.25 - 9.00 | 329 | 298 | 1064 | 493 | 3340 | 337 | 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 | | | |
| 315/80R22.5 | 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 | | | |
| | 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 | | | |

• (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 |
| 295/80R22.5 | XJS WINTER GRIP+ | single | | | | | | | | | | | | | | | 4780 | 4950 | 5130 | 5310 | 5480 | 5660 | 5840 | 6020 | 6190 | 6370 | 6550 | 6720 | 6900 |
| | | dual | | | | | | | | | | | | | | | 8720 | 9050 | 9370 | 9690 | 10020 | 10340 | 10660 | 10980 | 11310 | 11630 | 11950 | 12280 | 12600 |
| | XJS WINTER GRIP | single | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | dual | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X MULTI D | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | X MULTI D+ | single | | | | | | | | | | | 4520 | 4700 | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | 8280 | 8640 | 8780 | 9140 | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | X MULTIWAY 3D XDE | single | | | | | | | | | | | | | | | 5300 | 5490 | 5690 | 5880 | 6080 | 6280 | 6470 | 6670 | 6860 | 7060 | | | |
| | | dual | | | | | | | | | | | | | | | 9720 | 10080 | 10440 | 10800 | 11160 | 11520 | 11880 | 12240 | 12600 | | | | |
| | X COACH XD | single | | | | | | | | | | | | | | | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | | | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | XDA 2+ ENERGY | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| | XDE2+ | single | | | | | | | | | | | | | 4800 | 4990 | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | 8510 | 8850 | 9190 | 9540 | 9880 | 10220 | 10560 | 10900 | 11240 | 11580 | 11920 | 12260 | 12600 | | |
| 315/80R22.5 | XDW ICE GRIP | single | | | | | | | | | | | | | | | 5180 | 5370 | 5560 | 5760 | 5950 | 6140 | 6330 | 6520 | 6720 | 6910 | 7100 | | |
| | | dual | | | | | | | | | | | | | | | 9490 | 9840 | 10190 | 10540 | 10890 | 11240 | 11590 | 11950 | 12300 | 12650 | 13000 | | |
| | X MULTI ENERGY Z | 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 | | | |
| | X MULTIWAY 3D XZE | single | | | | | | | | | | | | | | | 5840 | 6050 | 6270 | 6490 | 6700 | 6920 | 7140 | 7350 | 7570 | 7780 | 8000 | | |
| | | dual | | | | | | | | | | | | | | | 10340 | 10720 | 11100 | 11490 | 11870 | 12250 | 12630 | 13020 | | | | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 XZE R | 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 | | | |
| | X WORKS HD Z | 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 WORKS HD D | 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 | | | |

• (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 |
| 315/80R22.5 | X WORKS XZY | 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 | | | | |
| | X WORKS HD Z | 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 WORKS HD D | single | | | | | | | | | | | | | | | 5840 | 6050 | 6270 | 6490 | 6700 | 6920 | 7140 | 7350 | 7570 | 7780 | 8000 | | |
| | | dual | | | | | | | | | | | | | | | 9780 | 10140 | 10500 | 10860 | 11230 | 11590 | 11950 | 12310 | 12680 | 13040 | 13400 | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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<br>DW10-11-11 SDC-W11<br>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 | | | | | | 14.0V5° | 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-B6.5-7.0<br>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 | 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 |
| 325/85R16 | XML | single | | | 3290 | 3500 | 3720 | 3940 | 4160 | 4380 | 4600 | | | | | | | | | | | | | | | | | | | |
| | | dual | | | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | |
| 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 | For Pressure, Please Consult MICHELIN's Representatives | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | dual | | | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | |
| 365/80R20 | XZL | single | | | | | | | | | | | | 6500 | 6700 | 6900 | 7100 | | | | | | | | | | | | | |
| | | dual | | | | | | | | | | | | - | - | - | - | | | | | | | | | | | | | |
| 475/80R20 | XML | single | | | 5890 | 6280 | 6670 | 7070 | 7460 | 7850 | 8240 | 8640 | 9030 | 9420 | 9810 | 10210 | 10600 | | | | | | | | | | | | | |
| | | dual | | | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | |
| 365/85R20 | XZL | single | | | | | | | | | | | 6970 | 7270 | 7580 | 7880 | 8180 | 8480 | 8790 | 9090 | 9390 | 9700 | 10000 | | | | | | | |
| | | dual | | | | | | | | | | | - | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| 395/85R20 | 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) | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.00R20 | XZL | 4 | TL | 16 | 150/146K | | | 18.0 | 6700 | 8.00 | 12000 | 8.00 | 297 | 1104 | | 7.33V-7.5-B7.5-8.0<br>8.0V-B8.0-8.5<br>8.50V-B8.5-9.00V | 330 | 299 | 1092 | 508 | 3340 | 338 | 8.0 | 20 P | 20x8.50MI | |
| 12.00R20 | XZL | 4 | TL | 18 | 154/149K | | | 18.7 | 7500 | 8.50 | 13000 | 8.50 | 319 | 1146 | | 7.33V-8.0-8.0V-B8.0<br>8.5-8.50V-B8.5<br>9.0-9.00V | 344 | 311 | 1131 | 527 | 3460 | 352 | 8.5 | 20 Q | 230-20LB / 20x8.50 | |
| | XML | 4 | TL | 18 | 149/146J | | | 19.5 | 6500 | 7.20 | 12000 | 7.20 | 319 | 1158 | | 7.33V-8.0-8.0V<br>B8.0-8.5-8.50V<br>B8.5-9.0-9.00V | 339 | 308 | 1131 | 526 | 3443 | 349 | 8.5 | 20 Q | | |
| 14.00R20 | XML | 4 | TL | | 153G | 149K | 6.20 | 24.4 | 7300 | 6.20 | | | 377 | 1268 | | 9.0-10.0-10.00V<br>10.00W | 421 | 383 | 1258 | 581 | 3830 | | 10.00W | | | |
| | 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<br>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<br>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 | 310-20LB / 20x10.00 | |

• (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 | 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 |
| 11.00R20 | XZL | single | | | | 3000 | 3250 | 3500 | 3670 | 3830 | 4000 | 4200 | 4400 | 4590 | 4770 | 4960 | 5140 | 5330 | 5510 | 5700 | 5900 | 6100 | 6300 | 6500 | 6700 | | | | | |
| | | dual | | | | 5800 | 6100 | 6400 | 6670 | 6930 | 7200 | 7500 | 7800 | 8170 | 8540 | 8910 | 9290 | 9660 | 10030 | 10400 | 10720 | 11040 | 11360 | 11680 | 12000 | | | | | |
| 12.00R20 | XZL | single | | | | | | | | | | 4500 | 4690 | 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 | | | |
| | XML | single | | | | | | | | 4090 | 4290 | 4500 | 4700 | 4910 | 5110 | 5310 | 5520 | 5720 | 5930 | 6130 | 6340 | | | | | | | | | |
| | | dual | | | | | | | | 7550 | 7920 | 8300 | 8680 | 9060 | 9430 | 9810 | 10190 | 10570 | 10940 | 11320 | 11700 | | | | | | | | | |
| 14.00R20 | XML | single | | | | 4200 | 4460 | 4730 | 4990 | 5250 | 5510 | 5780 | 6040 | 6300 | 6560 | 6830 | 7300 | | | | | | | | | | | | | |
| | | dual | | | | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | |
| | XZL+ | single | | | | | | | | | | | 6890 | 7190 | 7490 | 7780 | 8080 | 8380 | 8680 | 8980 | 9280 | 9580 | 9880 | 10000 | | | | | | |
| | | dual | | | | | | | | | | | 12400 | 12930 | 13470 | 14010 | 14550 | 15090 | 15630 | 16170 | 16710 | 17250 | 17780 | 18500 | | | | | | |
| | XZL+ | single | | | | | | | | | | | 6890 | 7190 | 7490 | 7780 | 8080 | 8380 | 8680 | 8980 | 9280 | 9580 | 9880 | 10000 | | | | | | |
| | | dual | | | | | | | | | | | 12400 | 12930 | 13470 | 14010 | 14550 | 15090 | 15630 | 16170 | 16710 | 17250 | 17780 | 18000 | | | | | | |
| | XZL | single | | | | | | | | | 6290 | 6590 | 6890 | 7190 | 7490 | 7780 | 8080 | 8380 | 8680 | 8980 | 9280 | 9580 | 9880 | | | | | | | |
| | | dual | | | | | | | | | 11320 | 11860 | 12400 | 12930 | 13470 | 14010 | 14550 | 15090 | 15630 | 16170 | 16710 | 17250 | 17780 | | | | | | | |
| | XS | single | | | | | | | 5520 | 5810 | 6100 | 6390 | 6680 | 6970 | 7260 | 7550 | 7840 | 8130 | 8420 | 8710 | 9000 | | | | | | | | | |
| | | dual | | | | | | | 10110 | 10650 | 11180 | 11710 | 12240 | 12770 | 13310 | 13840 | 14370 | 14900 | 15440 | 15970 | 16500 | | | | | | | | | |
| 16.00R20 | XZL | single | | | | | | | | | 8300 | 8690 | 9090 | 9490 | 9880 | 10280 | 10670 | 11070 | 11460 | 11860 | 12250 | 12650 | 13000 | | | | | | | |
| | | dual | | | | | | | | | | 15810 | 16530 | 17250 | 17960 | 18680 | 19400 | 20120 | 20840 | 21560 | 22280 | 22990 | 24000 | | | | | | | |

# 2 TECHNICAL CHARACTERISTICS OFF ROAD SIZES

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **525/65R20.5** | XS | 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 | | |
| **24/70R20.5** | XS | 4 | TL | | 176F | | | 16.8 | 14200 | 6.00 | | | | | | 18.00 | 661 | 602 | 1374 | 620 | 4150 | | 18.00 | 20.5 WAMD | | |
| **24/70R21** | XZL | 4 | TL | 16 | 176G | | | 25.0 | 14200 | 6.00 | | | 200 | 687 | | | 663 | 608 | 1388 | 631 | 4200 | | 18.00 | | | |
| **445/65R22.5** | XZL | 4 | TL | | 168G | | | 21.0 | 11200 | 8.00 | | | | | | 14.00 | 486 | 448 | 1168 | 537 | 3550 | | 14.00 | | | |
| **13R22.5** | XZL | 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 | | LRJ | | | 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)

| 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 |
| 525/65R20.5 | XS | single | | | | | | | | | | | 8500 | 8875 | 9250 | 9625 | 10000 | 10375 | 10750 | 11125 | 11500 | 11875 | 12250 | 12625 | 13000 | | | | | |
| | | dual | | | | | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 24/70R20.5 | XS | single | | | | | 9000 | 9500 | 10000 | 10500 | 11000 | 11500 | 12000 | 12500 | 13000 | 13600 | 14200 | | | | | | | | | | | | | |
| | | dual | | | | | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | |
| 24/70R21 | XZL | single | | | | | 9000 | 9500 | 10000 | 10500 | 11000 | 11500 | 12000 | 12500 | 13000 | 13600 | 14200 | | | | | | | | | | | | | |
| | | dual | | | | | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | |
| 445/65R22.5 | XZL | single | | | | | | | | | | | 7360 | 7680 | 8000 | 8320 | 8640 | 8960 | 9280 | 9600 | 9920 | 10240 | 10560 | 10880 | 11200 | | | | | |
| | | dual | | | | | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | |
| 13R22.5 | XZL | 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 | | | | | |
| 12.00R24 | XDL | single | | | | | | | | | | 5090 | 5330 | 5580 | 5820 | 6060 | 6300 | 6550 | 6790 | 7030 | 7270 | 7520 | 7760 | 8000 | | | | | | |
| | | dual | | | | | | | | | | 9290 | 9730 | 10180 | 10620 | 11060 | 11500 | 11950 | 12390 | 12830 | 13270 | 13720 | 14160 | 14600 | | | | | | |

# MICHELIN AGILIS³ FOR LIGHT TRUCK

## BENEFITS:

### Safety made to last

- Shorter wet braking distance when new (5%) and when worn (11%) compared with leading competitor*

### Your partner for longer

- Michelin's excellence in longevity proven by +25% more mileage vs. previous generation**
- Less downtime for you and your business

### Every drop counts

- 12%*** superior rolling resistance resulting in reduced fuel consumption giving you the environmental advantage.

## TECHNOLOGIES

### Safety

- With the Evergrip technology
- Innovative compound with higher density of silica and carbon black to improve wet grip and reduce breaking distances (when new or worn).

### Strength

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

**TECHNOLOGY**
*EVERGRIP Optimized compound*

**TECHNOLOGY**
*EVERGRIP U-SHAPE GROOVE*

**TECHNOLOGY**
*SHIELDS REINFORCED SIDEWALL RUBBER*

* Wet braking test 80 to 0 kph, conducted by TÜV Rheinland Thailand Ltd, on Michelin's request, in June 2020 on dimension 215/70R15C on Toyota Hiace Commuter, laden condition of 2,950 kg GVW. Comparing new and worn MICHELIN Agilis 3 RC versus three other competitor brands of tyres. Wet braking reference: TÜV Rheinland Thailand Ltd, Techincal Report 242107901 001

** Test results from Michelin internal test, conducted on real roads in Thailand, with 215/70R15C tyres fitted in Ford Ranger (Ute car). Load: Front axle: 1446kg / Rear axle: 1443 kg. Wear life index was calculated by the "Harmonic average" of 4 tyres assuming the Customer regularly rotates tyres.

*** Rolling Resistance Test performed at Thailand Automotive Institute and certified by TÜV Rheinland Thailand Ltd, on Michelin's request, in December 2019, on dimension 215/70R15C. Comparing MICHELIN Agilis 3 RC versus other competitor brands. TÜV Reference Report No. 242105960 001.

# 2 TECHNICAL CHARACTERISTICS MICHELIN AGILIS FOR LIGHT TRUCK

| Dimension | Tread Pattern | Type | Load / Speed Index | Original tread depth | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 185R14C | AGILIS 3 | TL | 102/100R | 8.0 | 850 | 800 | 188 | 650 | 1983 | 4.5 | 5.0 | 6.0 |
| 195/65R16C | AGILIS 3 | TL | 104/102R | 8.5 | 900 | 850 | 201 | 660 | 2013 | 5.5 | 6.0 | 6.0 |
| 195/75R16C | AGILIS 3 | TL | 107/105T | 8.0 | 975 | 925 | 196 | 698 | 2129 | 5.0 | 5.5 | 6.0 |
| 195/80R14C | AGILIS 3 | TL | 106/104R | 8.0 | 950 | 900 | 196 | 668 | 2037 | 5.0 | 5.5 | 6.0 |
| 195/80R15C | AGILIS 3 | TL | 108/106S | 8.0 | 1000 | 950 | 196 | 693 | 2114 | 5.0 | 5.5 | 6.0 |
| 205/65R16C | AGILIS 3 | TL | 107/105T | 8.5 | 975 | 925 | 209 | 672 | 2050 | 5.5 | 6.0 | 6.5 |
| 205/70R15C | AGILIS 3 | TL | 106/104S | 8.0 | 950 | 900 | 209 | 669 | 2040 | 5.5 | 6.0 | 6.5 |
| 205/75R14C | AGILIS 3 | TL | 109/107R | 8.0 | 1030 | 975 | 203 | 664 | 2025 | 5.5 | 5.5 | 6.5 |
| 205/75R16C | AGILIS 3 | TL | 113/111R | 8.5 | 1150 | 1090 | 203 | 714 | 2178 | 5.5 | 5.5 | 6.5 |
| 215/65R15C | AGILIS 3 | TL | 104/102T | 7.5 | 900 | 850 | 221 | 661 | 2016 | 6.0 | 6.5 | 7.0 |
| 215/65R16C | AGILIS 3 | TL | 109/107T | 8.0 | 1030 | 975 | 221 | 686 | 2092 | 6.0 | 6.5 | 7.0 |
| 215/70R15C | AGILIS 3 | TL | 109/107S | 8.0 | 1030 | 975 | 221 | 683 | 2083 | 5.5 | 6.5 | 7.0 |
| 215/70R16C | AGILIS 3 | TL | 108/106T | 8.0 | 1000 | 950 | 221 | 708 | 2159 | 5.5 | 6.5 | 7.0 |
| 215/75R16C | AGILIS 3 | TL | 113/111T | 8.0 | 1150 | 1090 | 216 | 728 | 2220 | 5.5 | 6.0 | 7.0 |
| 225/65R16C | AGILIS 3 | TL | 112/110R | 8.5 | 1120 | 1060 | 228 | 698 | 2129 | 6.0 | 6.5 | 7.0 |
| 225/70R15C | AGILIS 3 | TL | 112/110S | 8.5 | 1120 | 1060 | 228 | 697 | 2126 | 6.0 | 6.5 | 7.0 |
| 225/75R16C | AGILIS 3 | TL | 121/120R | 7.5 | 1450 | 1400 | 223 | 744 | 2269 | 6.0 | 6.0 | 7.0 |
| 235/60R17C | AGILIS 3 | TL | 117/115T | 8.0 | 1285 | 1215 | 240 | 714 | 2178 | 6.5 | 7.0 | 7.5 |
| 235/65R16C | AGILIS 3 | TL | 121/119R | 7.5 | 1415 | 1360 | 240 | 712 | 2172 | 6.5 | 7.0 | 7.5 |
| 235/65R16C | AGILIS 3 | TL | 115/113T | 8.0 | 1215 | 1150 | 240 | 712 | 2172 | 6.5 | 7.0 | 7.5 |

# TECHNICAL CHARACTERISTICS TABLE AND PRODUCT OFFER

## 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.

### 01 ENDURE MORE TRIPS

#### WITH A COMBINATION OF RUBBER COMPOUNDS

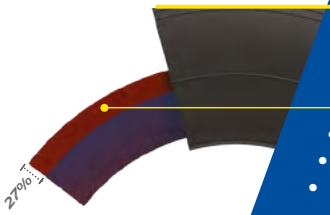
- Hard outer layer of 100% natural rubber protects casing ply
- Soft inner layer of synthetic rubber content lowers heat generation

### 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

### 03 BETTER HANDLING




#### WITH RUBBER INSERT ON LOWER SIDEWALL

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

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

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.com.au**

# 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

# TYRE/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<br>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 CAIs not listed in this table, please contact your Michelin representative.

## Flap Groups for use in MICHELIN tyres

| Tyre size | Rim width | 15X6.00 | 15X7.50 | 16X6.00+ |
|---|---|---|---|---|
| 7.00R15<br>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**

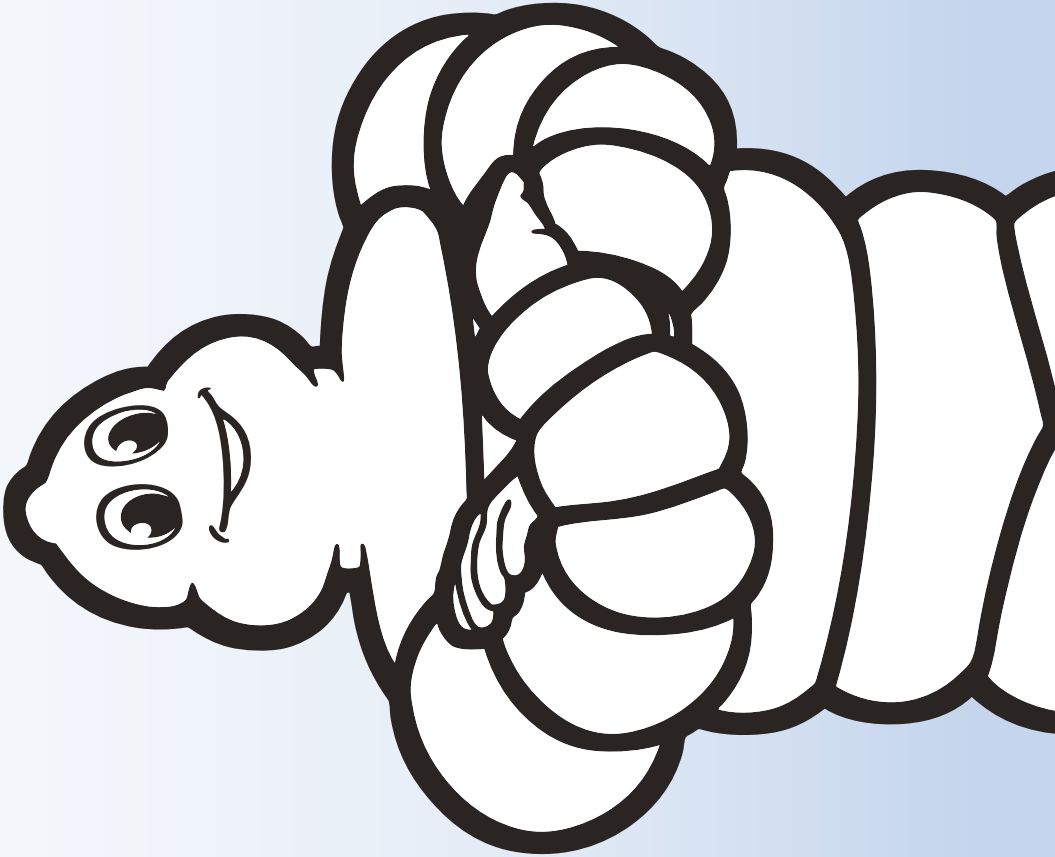
| Tyre size | Rim width | 20X7.50 | 20X8.50 | 20X10.00 | 25/25X8.25 | 240-24/25L |
|---|---|---|---|---|---|---|
| 8.25R20 | 6.00 | Preferred fitment on this rim | | | | |
| | 6.50 | Preferred fitment on this rim | | | | |
| | 7.00 | Preferred fitment on this rim | Fitment permitted but the flap may be wide | | | |
| 9.00R20 | 6.50 | Preferred fitment on this rim | | | | |
| | 7.00 | Preferred fitment on this rim | Fitment permitted but the flap may be wide | | | |
| | 7.50 | Preferred fitment on this rim | Preferred fitment on this rim | | | |
| 10.00R20 | 7.00 | Preferred fitment on this rim | Fitment permitted but the flap may be wide | | | |
| | 7.50 | Preferred fitment on this rim | Preferred fitment on this rim | | | |
| | 8.00 | Fitment permitted but the flap may be narrow | Preferred fitment on this rim | | | |
| 11.00R20 | 7.50 | | Preferred fitment on this rim | | | |
| | 8.00 | | Preferred fitment on this rim | | | |
| | 8.50 | Fitment permitted but the flap may be narrow | Preferred fitment on this rim | | | |
| 12.00R20<br>335/80R20 | 8.00 | Fitment permitted but the flap may be narrow | Preferred fitment on this rim | | | |
| | 8.50 | Fitment permitted but the flap may be narrow | Preferred fitment on this rim | | | |
| | 9.00 | | Fitment permitted but the flap may be narrow | | | |
| 14.00R20<br>365/80R20 | 9.00 | | | Preferred fitment on this rim | | |
| | 10.00 | | | Preferred fitment on this rim | | |
| 16.00R20 | 10.00 | | | Preferred fitment on this rim | | |
| | 11.25 | | | Preferred fitment on this rim | | |
| 12.00R24 | 8.00 | | | | Preferred fitment on this rim | Preferred fitment on this rim |
| | 8.50 | | | | Preferred fitment on this rim | Preferred fitment on this rim |
| | 9.00 | | | | Preferred fitment on this rim | Preferred fitment on this rim |

**Bold = Standard rim width**

Preferred fitment on this rim

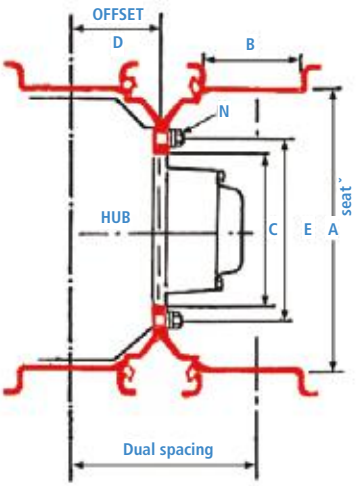
Fitment permitted but the flap may be wide

Fitment permitted but the flap may be narrow

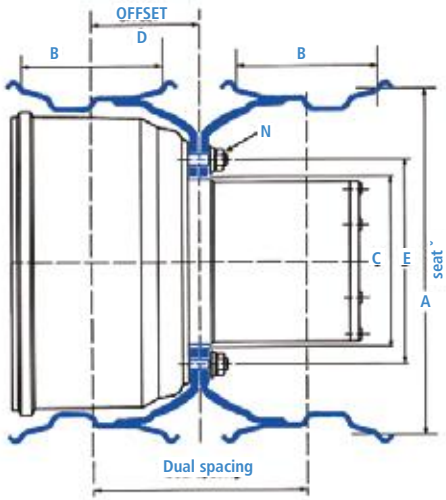


# TRUCK AND BUS WHEEL

## Tube Type Wheel




## Tubeless Wheel

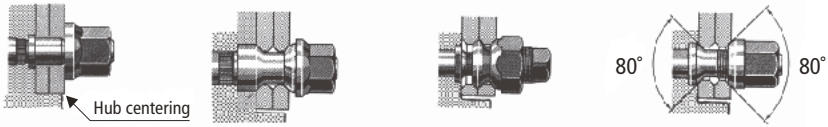



## Characteristics

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 x offset

## Types of Fixing

| | | | | |
|---|---|---|---|---|
| Single | Cylindrical | Spherical nut or Spherical washer + Cylindrical | Spherical nut | Conical nut |



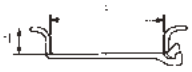

| | | | | |
|---|---|---|---|---|
| Twinned | SPIGOT (P or M) | Spherical DIN | Budd/AMJ (American/Japanese) | Conical (AN) |

# TRUCK AND BUS WHEEL

## Truck & Bus Rims

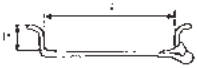
### Characteristics

**Flat base**



| size | F | H |
|---|---|---|
| | mm | |
| 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**

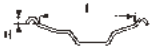


| size | F | H |
|---|---|---|
| | mm | |
| 5.0 | 127 | 27.9 |
| 5.5 | 140 | 30.5 |
| 6.0 | 152 | 33.0 |
| 6.5 | 165 | 35.6 |
| 7.0 | 178 | 38.1 |
| 7.5 | 190 | 40.6 |
| 8.0 | 203 | 43.2 |
| 8.5 | 216 | 45.7 |
| 9.0 | 229 | 48.3 |
| 10.0 | 254 | 50.8 |

**Semi Drop Centre (SDC) Two 5° taper seats**

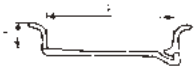
| size | F | H |
|---|---|---|
| | mm | |
| 4.50 E-SDC | 114.3 | 19.8 |
| 5.00 E-SDC | 127.0 | 19.8 |
| 5.50 F-SDC | 139.7 | 22.2 |
| 6.00 G-SDC | 152.4 | 27.9 |
| 6.50 H-SDC | 165.1 | 33.7 |
| 7.00 N-SDC | 177.8 | 34.5 |

**Drop Centre 15° taper seats**



| size | F | H |
|---|---|---|
| | mm | |
| 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 | H |
|---|---|---|
| | mm | |
| 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 |

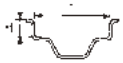
**5° taper seats (English standard)**

| | | |
|---|---|---|
| B.5.0 | 127 | 27.9 |
| B.5.5 | 140 | 27.9 |
| B.6.0 | 152 | 33.0 |
| B.6.5 | 165 | 38.1 |
| B.7.0 | 178 | 38.1 |
| B.7.5 | 190 | 43.2 |
| B.8.0 | 203 | 43.2 |
| B.8.5 | 216 | 45.7 |

**5° taper seats (Other standard)**

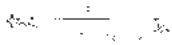
| | | |
|---|---|---|
| 5.0 R | 127 | 28.6 |
| 5.5 S | 140 | 33.3 |
| 6.0 S | 152 | 33.3 |
| 6.5 T | 165 | 38.1 |
| 7.0 T | 178 | 38.1 |
| 7.5 V | 190 | 44.4 |
| 8.0 V | 203 | 44.4 |
| 8.5 V | 216 | 44.4 |
| 9.0 V | 229 | 44.4 |
| 10.0 Wi | 254 | 51.0 |

**Well base/Drop Centre 5° taper seats**



| size | F | H |
|---|---|---|
| | mm | |
| 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**

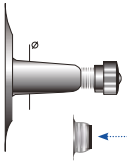


| size | F | H |
|---|---|---|
| | mm | |
| 11.75 | 298.5 | 12.7 |
| 12.25 | 311.0 | 12.7 |
| 13.00 | 330.2 | 12.7 |
| 14.00 | 355.6 | 12.7 |
| 15.00 | 381.0 | 12.7 |
| 16.00 | 406.4 | 12.7 |
| 18.00 | 457.0 | 12.7 |

**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

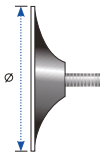
## Rubber base valves for truck




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

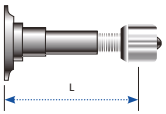
| Reference | | Ø hole of the valve |
|---|---|---|
| ETRTO | MICHELIN | |
| V2-01-1 | 746 | 11,3 |
| V2-01-2 | 611 | 15,7 |
| — | 990 | 15,7 |

## Base for truck valve stem



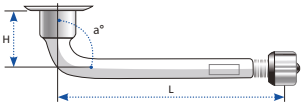

| Reference | | Ø |
|---|---|---|
| ETRTO | MICHELIN | |
| V3-08-4 | 1548 | 57 |

## Valve with straight stem




| Reference | | L mm |
|---|---|---|
| ETRTO | MICHELIN | |
| — | 1964 | 49 |

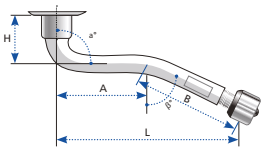
## Single bend valve stem




| 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 |

## Double bend valve stem

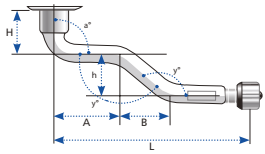
| Reference | | L mm | A mm | B mm | H mm | α° | β° |
|---|---|---|---|---|---|---|---|
| ETRTO | MICHELIN | | | | | | |
| V3-04-1 | 578 | 60 | 32 | 37 | 20 | 90 | 138 |
| V3-04-2 | 579 | 76 | 38 | 41 | 20 | 90 | 153 |
| V3-04-6 | 734 | 128 | 86 | 47 | 20 | 90 | 153 |
| V3-04-8 | 1198 | 80 | 38 | 43 | 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 |



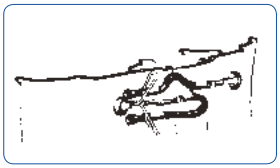

## Mounting a universal valve stem

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.

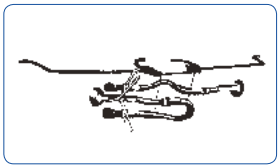
**IMPORTANT : do not unscrew**

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

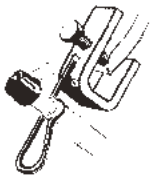


Truck Tyre valve extension



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

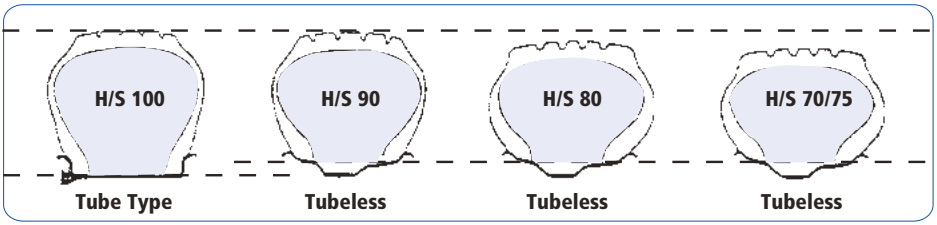
## Equivalent Sizes

| 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<br>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<br>(meter) | 1 inch (*) = 0.0254 m (or 25.4 mm)<br>1 mile = 1,609 m (or 1.609 km) |
| Mass | kg<br>(kilogram) | 1 pound (lb) = 0.4536 kg |
| Pressure | kPa<br>(kilo pascal) | 1 bar = 14.5 PSI<br>1 bar = 100 kPa<br>1 kg/cm$^2$ = 98.066 kPa |
| Speed | m/s<br>(meter per second) | 1 km per hour (km/hr)* = 0.27778 m/s<br>1 mile per hour (m.p.h.) = 0.4470 m/s<br>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/cm²* |
|---|---|---|---|
| 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 pratical 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

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