2017 EDITION

2017 EDITION , EARTHMOVER & INDUSTRIAL, PORT, INTERMODAL TIRES

TECHNICAL DATA

TECHNICAL DATA

MICHELIN

CONTENT

EARTHMOVER AND INDUSTRIAL, PORT, INTERMODAL TIRES

RIGID DUMP TRUCKS

E7	E2	E3V	E4T	E4	E4T	E3T/E4T	E4P
MICHELIN® XS®	MICHELIN® XVC™	MICHELIN® XDC®	MICHELIN® XDM®	MICHELIN® XH® D1	MICHELIN® XDT®	MICHELIN® X-TRACTION™ MICHELIN® X-TRACTION™ SC	MICHELIN® X-HAUL

LOADERS AND BULLDOZERS

L2	L2T	L3	L3T	E4/L4	L4R	L5T
MICHELIN® XTLA™	MICHELIN® X SNOPLUS®	MICHELIN® XHA® 2	MICHELIN® XLD® low profile	MICHELIN® XTXL®	MICHELIN® XLD® D1	MICHELIN® XLD® D2

GRADERS

G2	L2	L2T	L3	L5T	L3T
MICHELIN® XGLA2™	MICHELIN® XTLA™	MICHELIN® X SNOPLUS®	MICHELIN® XHA® 2	MICHELIN® XLD® D2	MICHELIN® XLD® low profile

UNDERGROUND MINE MACHINES

E3/L3	E4R	E4 E4/L4	L5T	L5R	L5S	
MICHELIN® XK®	MICHELIN® XK® D1	MICHELIN® XTXL® MICHELIN® XTXL® S	MICHELIN® XLD® D2	MICHELIN® X MINE® D2	MICHELIN® XSM® D2+	MICHELIN® XZM®

INDUSTRIAL, PORT AND INTERMODAL TIRES

MICHELIN® XZR®	MICHELIN® X TERMINAL-T	MICHELIN® XZM®	MICHELIN® XZM2™+	MICHELIN® X STACKER 2	MICHELIN® X STRADDLE	MICHELIN® X STRADDLE 2

ARTICULATED DUMP TRUCKS

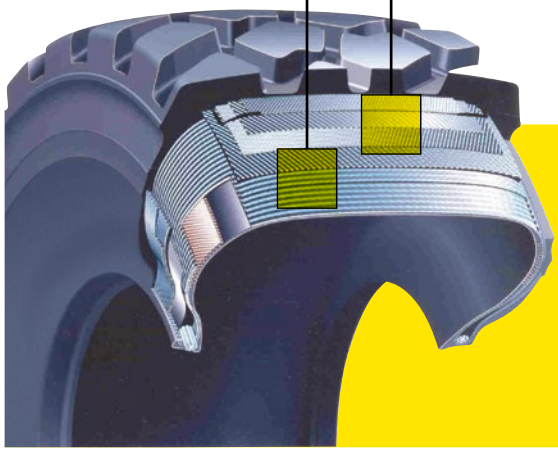
SCRAPERS

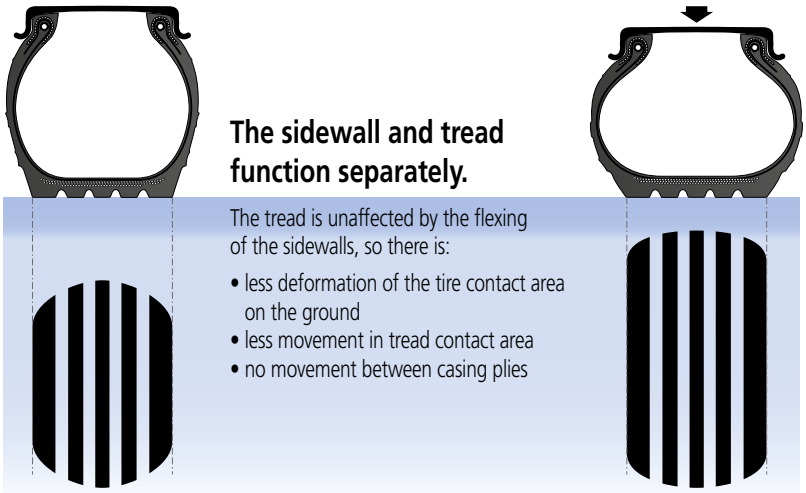
COMPACTORS

CRANES AND SPECIAL VEHICLES

COMPARISON BETWEEN BIAS AND RADIAL TIRES

THE MICHELIN® X® RADIAL





The sidewall and tread function separately.

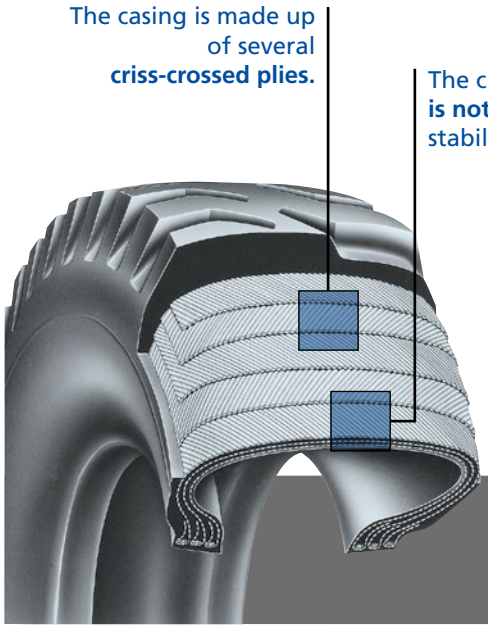
The tread is unaffected by the flexing of the sidewalls, so there is:

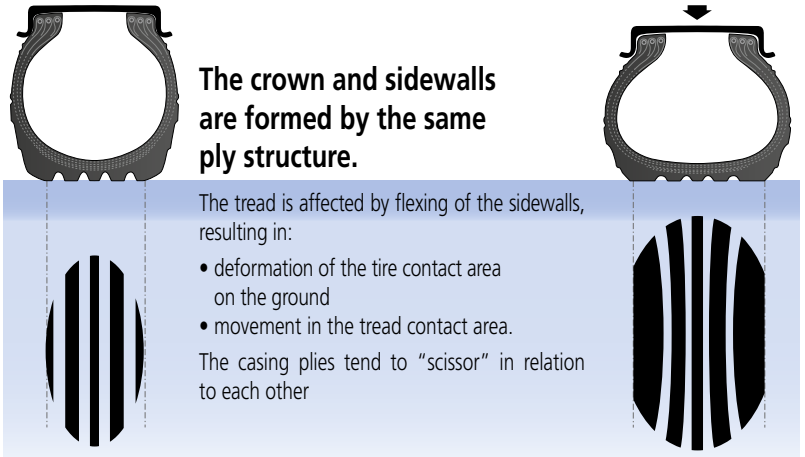
- less deformation of the tire contact area on the ground
- less movement in tread contact area
- no movement between casing plies

Advantages:

- long tire life
- outstanding traction on all types of surface
- lower fuel consumption due to lower rolling resistance
- improved comfort
- increased resistance to punctures / flats
- increased resistance to heating
- protects property and persons

BIAS OR CROSS PLY CONSTRUCTION





The crown and sidewalls are formed by the same ply structure.

The tread is affected by flexing of the sidewalls, resulting in:

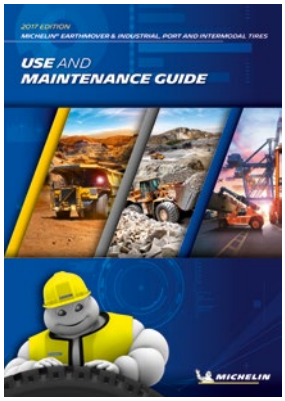
- deformation of the tire contact area on the ground
- movement in the tread contact area.

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

Disadvantages:

- accelerated wear
- less grip
- increased fuel consumption

ADVICES AND RECOMMENDATIONS ON THE USE OF MICHELIN® EARTHMOVER TIRES



The following information is extracted from the Use and Maintenance Guide of MICHELIN® Earthmover Tires. For more details, visit our website ***www.michelinearthmover.com*** *or contact your Michelin representative.*

The tire is the only point of contact between the machine and the ground.
Users must ensure that they preserve the life and performance of their tires. To do so, it is recommended that users adhere to the following safety instructions and usage recommendations. These recommendations are subject to more restrictive local provisions: legal, regulatory requirements, etc.

CHOICE OF TIRE

The choice of a tire must be compliant with legislation and with equipment recommended by the vehicle or tire manufacturer or by an official organization (size, load and speed indices, tire structures, etc.).
Additionally, it is necessary to take account the conditions in which the tire will be used in order to ensure its performance can the user's expectations. The type of tread pattern depends mainly on conditions of use encountered: adherence, risk of cuts, rapid wear. The optimum performance of equipment depends largely on the choice of tire.
The use of a tread pattern or a tread pattern inappropriate for the work leads to a sharp reduction in the tire's life and may affect vehicle productivity.

In the event of the original vehicle equipment being modified, it is advisable to make sure that the solution offered is compliant with the legislation in force, the machine's technical constraints, conditions of use and the manufacturer's recommendations. Please refer to regulations in force in the local country.
Before being fitted, any secondhand or used tire must be subjected to careful inspection by a specialist tire professional in order to guarantee the safety of the user and compliance with the regulations in force (Vehicle checks and maintenance).

USE OF TIRES

GENERAL RECOMMENDATIONS

Never use the tire beyond the limits of the technical specifications for which it has been approved on the machines.
Certain excessive or abnormal geometrical settings for the machines may have a negative effect on the tire's performance.
Poor use or wrong choice of tire can also contribute to premature wearing of certain mechanical parts.

DUAL MOUNTING

For technical and safety reasons, you must adhere to the recommendations of the manufacturer of the machine.
We advise against the following mountings:

- dual mounting of MICHELIN® Radial tires with cross-ply (bias) tires
- dual mounting of a tire of normal tread depth with a deep-treaded tire
- dual mounting of tires of the same type which have different remaining tread depths (some legislation sets a maximum differential).

FITTING

INTRODUCTION

Correct fitting, performed in accordance with recommended operating procedures and complying with the safety rules in force, ensures excellent protection for people and materials and allows the tires' full potential to be exploited.
Poor fitting can cause damage to the tires, the vehicle and/or cause serious injury or even death.
It is therefore essential that these operations are carried out by people who have been trained and who have the appropriate equipment available, and in accordance with the procedures.
We strongly recommend that tire fitting is undertaken by a trained tire professional with proper equipment.
Tube-type tires must be fitted with an appropriate flap and inner tube.
In all cases, it is essential to refer to the technical instructions of the tire manufacturer, vehicle manufacturer and wheel manufacturer, as well as the user manual for the tire-fitting machinery or equipment.

GENERAL PRECAUTIONS

Operators must always wear appropriate protective equipment.
Operators must know recommended procedure.
Operators must ensure that the vehicle is stopped, secured (LOTO) and properly stabilized (parking brake engaged, blocks), and motor turned off.

PRECAUTIONS FOR REMOVAL

a) **when removing the vehicle wheel**
If the tire is twin-fitted or if the rim shows evidence of damage, **the tires must be deflated prior** to removal of the whole fitment (remove the valve core). Failure to observe this could lead to accidents with very serious consequences. Comply with the manufacturers' recommendations and instructions when removing a tire.

b) **When the tire is removed from the vehicle**
Completely deflate the tire before any operation.

PRECAUTIONS FOR FITTING

- Ensure that the wheel and its components are in good condition
- Verify the compatibility of the tire and the wheel (wheel authorized for the tire) and the pressure capacity of the wheel
- Adhere to the positions, direction of fitting, direction of rotation and any other instructions referred to on the tire sidewall.
- In the case of multi-piece wheels, replace the o-ring seal
- In the case of tubeless mounting
  - with a rubber valve, this must be systematically replaced
  - with metallic valves, check the air tightness and continue with the replacement of valve cores or seals if necessary.
- After fitting the tire to the vehicle, a torque wrench must be used to achieve the optimal torque as specified by the machine manufacturer.

PRECAUTIONS FOR INFLATING

Tire inflation is an essential factor, not only for optimization of tire performance but also in terms of SAFETY.
It is necessary for correct machine behavior (road holding and braking) as well as maintaining the tire's stability.

Only use inflation equipment intended for this purpose and fitted with a pressure limiter.
Everyone should be in the «Safety» zone (see diagram) during tire inflation. The red zone represents the area of greatest risk for being in the path of any potential discharge in the event of an incident.

* A minimum distance of 6 meters or 20 feet is required from the valve to the safety zone indicated in the diagram

OPERATING PRESSURE

The inflation pressure must follow the manufacturer's recommended inflation pressure.
In the absence of real data used to determine the tire pressure (weighing results, driving conditions, etc...), the operating pressure should be given only by the Michelin Representative or by a qualified professional who is trained to take into account the working conditions of the tire (ground conditions, cycle lengths, transported materials, etc.).

Underinflation or overinflation can significantly affect tire performance.
Running underinflated causes an abnormal rise in temperature of the tire and can cause the degradation of its components. This degradation is irreversible and may lead to damage of the tire, causing rapid deflation.
The consequences of running with insufficient pressure are not necessarily immediate and may appear even after rectification of the tire inflation pressure.

STORAGE AND MAINTENANCE

Tires are rubber-based and are subject to natural aging.
Storage does not adversely affect the life of the tire, but it must be under specific conditions, limited in time, and as far as possible inside.

- In premises that are well-ventilated, dry and temperate, protected from direct sunlight and bad weather
- Away from any chemical substances, solvents or hydrocarbons likely to interfere with the nature of the rubber
- Away from any object that could penetrate the rubber (sharp metal, wood, etc.)
- Away from any source of heat, flame, incandescent object, material that could cause sparks or electrical discharges and any ozone sources (transformers, electric motors, soldering devices, etc.).

Poor handling of an unfitted tire can cause it to be irreparably damaged.
In order to eliminate the risk of bead damage and the problems which could result, we strongly advise that:

1 - The tire is not lifted directly by the bead with a crane hook.
2 - Flat straps are used (not steel slings or chains).
3 - The tire is lifted under the tread and not on the beads when a forklift truck with telescopic forks is used.

Moreover, accessories must be stored in their original packaging, on surfaces that do not present any danger of cutting, tearing or perforation.
In all cases, for the handling of tires and accessories, operators must

- Be equipped with their protective clothing.
- Observe the safety policies of the company.
- Use suitable material/equipment for the job.
- Not use instruments and/or equipment that may be harmful to tires.

For more information, especially for terms and conditions of storage and height stackings of the tires, see Chapter 3 of the Use and Maintenance Guide.

MACHINE CHECKS AND MAINTENANCE

GENERAL RECOMMENDATIONS

Ensure that the machine is stationary and secured before any inspection.
Tires must be inspected regularly in order to detect any unusual wear and potential damage.
Wheel torque must be checked in accordance with the machine manufacturer's recommendations.
Any perforations, cuts or visible distortion of the tread, sidewalls or flange area must be the subject of a thorough examination of the tire by a tire professional. It is the same for any damage to the rim.
In all circonstances do not put a tire that exhibits damage back into operation, such as deformed bead or visible bead wire, separations between components, visible cable cords, damage from petroleum products or corrosive particles, marbling or abrasion of the interior rubber resulting from any running at insufficient pressure.
Each time the machine is inspected, check that the valve cap is in good condition. If in doubt, replace it.

CHECKING FOR WEAR

Checking for wear must always be carried out at several points on the tire.
This check can be carried out using a tire depth gauge or by looking for signs of wear on the tread (noted on the sidewall by a symbol when present).
If the legal or technical limit for wear has been reached, the tire must be removed and replaced.
A tire professional should be consulted if there is abnormal wear or a difference in wear between two tires on the same axle.

REPAIR

Not all damage can be repaired.
All repairs must be carried out by a trained and qualified tire professional.
A qualified tire professional should perform a detailed inspection of the tires before repairs can be made. A tire that has been run underinflated or flat may have suffered irreversible damage and only an exhaustive check of the interior of the tire will enable a diagnosis of whether or not the tire can be put back into use.
Therefore, removal of the tire is essential in order to assess with certainty its actual condition and the type of repair required.

PRESSURE

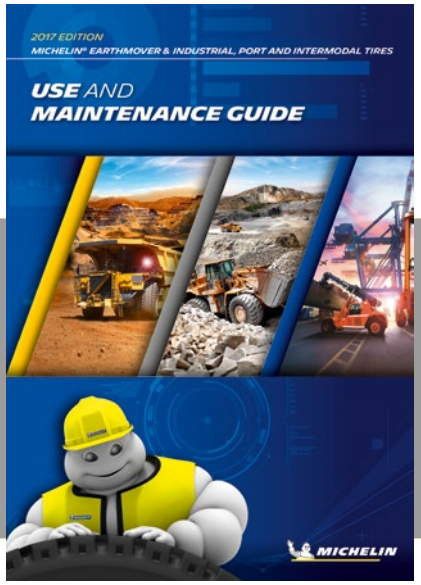
Given that a tire loses pressure naturally, it is necessary to adjust it periodically.
This check will enable any abnormal loss of pressure to be detected.
This check must be carried out on all the vehicle's tires.
A tire operated with insufficient pressure will undergo an abnormal rise in operating temperature, which can lead to irreversible damage of internal components and cause its complete destruction, to include rapid deflation of the tire. The consequences of running with insufficient inflation pressure are not necessarily immediate and may appear even after rectification.
Excessive pressure can cause rapid and irregular wear, resulting in increased susceptibility to impacts (tread damage, rupture of the casing, etc.).
It is recommended that tire pressures are checked when tires are cold. If they are checked after running, the tires are hot and pressure will not be accurate.

If pressure is checked when hot, the pressure should be readjusted according to the manufacturer's recommendations (consult your Michelin representative).
Given that pressure increases with temperature, a hot tire must never be deflated.
Always respect the equality of pressure between dual tires.
Inflation with nitrogen is not an exemption from the need to check tire pressure regularly.
In all circumstances, adhere to the pressures recommended by the machine or tire manufacturers.

PRODUCT LIFE

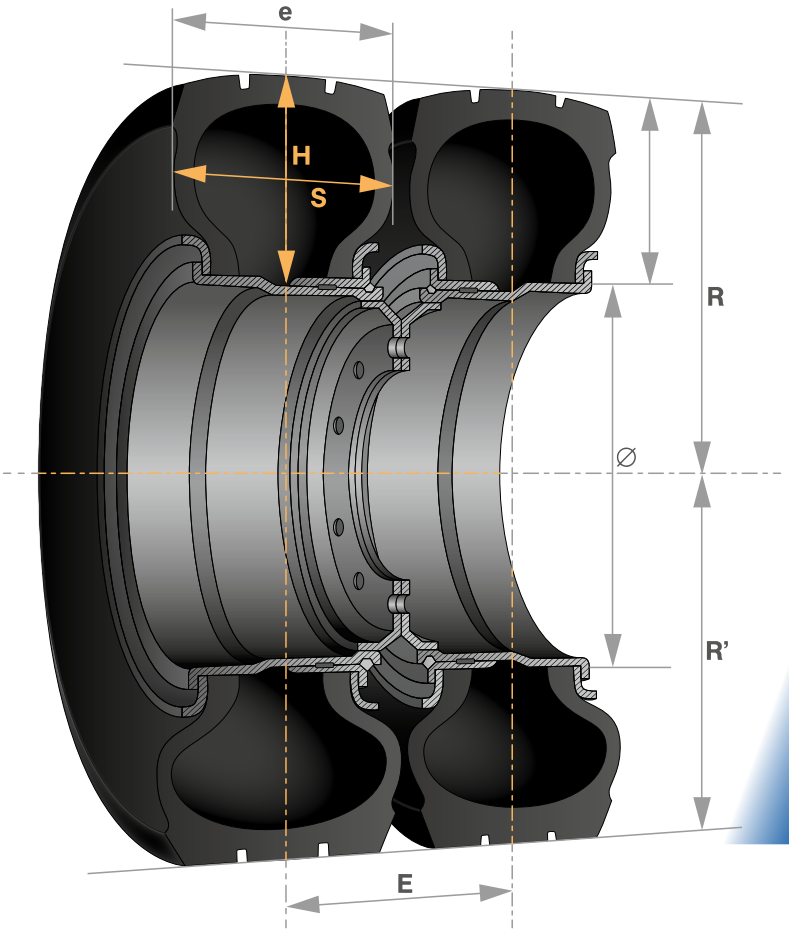
Tires are made from different types of materials and rubber-based components, whose properties are essential to the proper running of the tire itself. These properties evolve over time.
For each tire, this evolution depends on many factors, such as climate, storage conditions (temperature, humidity, position, etc.), and conditions of use (load, speed, inflation pressure, road damage, etc.) to which the tire is subjected during its working life.

These aging factors vary so much that it is impossible to predict the life of a tire with any accuracy. This is why, in addition to regular user checks, it is recommended to have the tires regularly checked by a qualified tire professional, who will determine whether the tire is fit to continue in operation.
Michelin may in no way be held responsible for damage that may occur as a result of use contrary to its instructions.



The preceding information is extracted from the USE AND MAINTENANCE GUIDE OF MICHELIN® EARTHMOVER TIRES. For more details, visit our website www.michelinearthmover.com or contact your Michelin representative.

EXPLANATION OF THE DIFFERENT MEASUREMENTS



e maximum overall section width
section width on measuring rim
(this rim is indicated in bold).

D external tire diameter (R x 2).

Ø nominal bead seat diameter
(rim diameter).

S standard section width.

E minimum dual spacing
(on measuring rim).

H standard section height.

R free radius (2R = D).

R' static loaded radius*.

RC rolling circumference*

Tread depth tire tread depth in mm
(rubber depth that can be use
without risking damage to plies).

Cap. Interior capacity of the tire
(to calculate the nitogen quantity when inflated
with nitrogen, or the liquid quantity when filled).
This information is not required when when inflated
with air.

** determinated by the reference conditions.*

The dimensional data given in tabular form in this publication (as indicated above) conforms to those of the European Standard (E.T.R.T.O.).
They are given for information only and may change.

READING GUIDE FOR LOAD, PRESSURE AND USE TABLES

READING GUIDE FOR PRESSURE, LOAD AND USE TABLES

Remember: the correct pressure for the tire (on a site and for a job) depends on the working conditions and type of use.
In order to obtain optimum performance from tire, it is advised that:
- the machine is weighed under working loads,
- the maximum distance allowed per hour for the tire is not exceeded.

The shaded box of pressure, load and use tables is the value defined by the industry standards. Up to this limit, the tire works in an optimal zone leading to a better balance of performance.
The use of Michelin® earthmover tires outside the specification of pressure, load and use tables must have a prior technical validation given by your Michelin® representative.

CONTENT

TECHNICAL DATA EARTHMOVER TIRES

IDENTIFICATION OF EARTHMOVER TIRES

MICHELIN® tires are designed for a specific use as specified in this catalog.
Any other use constitutes an abnormal use.

However, in some cases, Michelin may issue a waiver which will specify the conditions and the permitted operational limits for a specific application.

Michelin disclaims any responsibility for any abnormal use of its tires or absence of any express written permission (derogation).

Unless otherwise specified, MICHELIN® off-the-road tires comply with internationally accepted standards that are established by TRA (Tire and Rim Association), ETRTO (European Tire and Rim Technical Organisation), JATMA (Japan Automobile Tire Manufacturers Association), and/or ISO (International Standards Organisation).
Among other things, the standards encompass load capacity, inflation pressure, overall diameter, overall width, and related valves and rims.
Some differences may exist between these standards. In such case, Michelin refers to the most appropriate.

PLEASE NOTE

Tire load and pressure tables (pages 26 to 84)

These tables are classified according to the various applications of earthmoving machines.

In the load and pressure tables, the shaded boxes indicate the normalized values.
These values reflect the optimal use, the best balance of performances.

These values are given for information purpose only and may not be used for legal or statutory actions.

2017 edition N° 32
The most current version is available on www.michelinearthmover.com

CONTENT

CLASSIFICATION OF MICHELIN® TIRES

ACCORDING TO THEIR ASPECT RATIO

The wide diversity of earthmover machines and their uses requires the development of numerous ranges of tires.

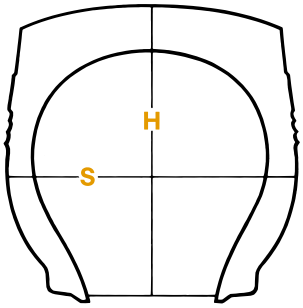
Earthmover tires differ from those mounted on cars or commercial vehicles by:

- Their size and weight
- Their tread depths which are proportionally greater
- More reinforcements to deal with the harsher conditions of use

There are several families of earthmover tires, characterized by their aspect ratio H/S (ratio in % between the height of the sidewall H and the section width of the tire S).

H = standard section height *(see page 12)* - **S = standard section width** *(see page 12)*

100 SERIES (STANDARD)

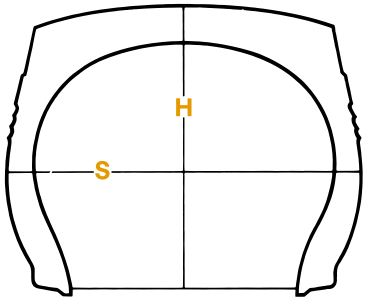


The H/S ratio is approximately equal to 1.

$$\frac{H}{S} = 1 = 100\ \%$$

The section width is expressed in inches with two decimal places.
Examples: 18.00 R 33
Tires for rigid trucks, handling equipment, etc.
The aspect ratio is not indicated in the size designation.

80 SERIES

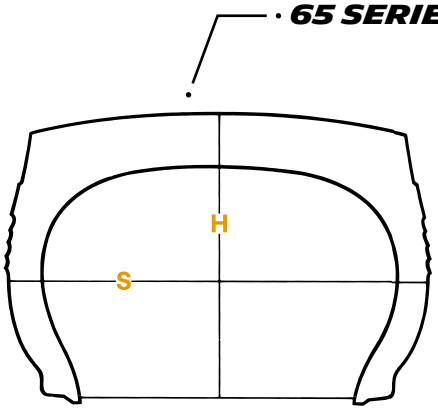


The H/S ratio is approximately equal to 0.80.

$$\frac{H}{S} = 0.80 = 80\ \%$$

The section width is expressed in inches and fractions of an inch.
Examples: 8.25 R 15, 20.5 R 25
The aspect ratio is not indicated in the size designation.
Or the section width is expressed in inched followed by the number 80
Example: 59/80 R 63
Tires for rigid trucks, articulated dumpers, loaders, handling equipment, etc.

65 SERIES

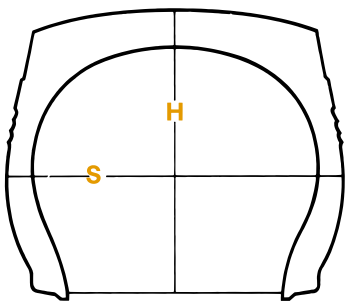


The H/S ratio is approximately equal to 0.65.

$$\frac{H}{S} = 0.65 = 65\ \%$$

The section width is expressed in inches or in millimeters, followed by the number 65.
Examples: 35/65 R 33, 750/65 R 25
Tires for large loaders, articulated trucks, etc.

90 SERIES



The H/S ratio is approximately equal to 0.90.

$$\frac{H}{S} = 0.90 = 90\ \%$$

The section width is expressed in inches followed by the number 90.
Example: 50/90 R 57
Tires for rigid trucks

Other series of tires are also available: 95 series, 75 series, etc.

ACCORDING TO THE STANDARDIZED USAGE (ISO-ETRTO-TRA-JATMA*)

The four main categories of earthmover tire are defined by their use. The category to which it belongs is indicated on the sidewall of the tire.

This is an international classification:

- **C** Compactor
- **G** Grader
- **E** Earthmoving
- **L** Loader and bulldozer

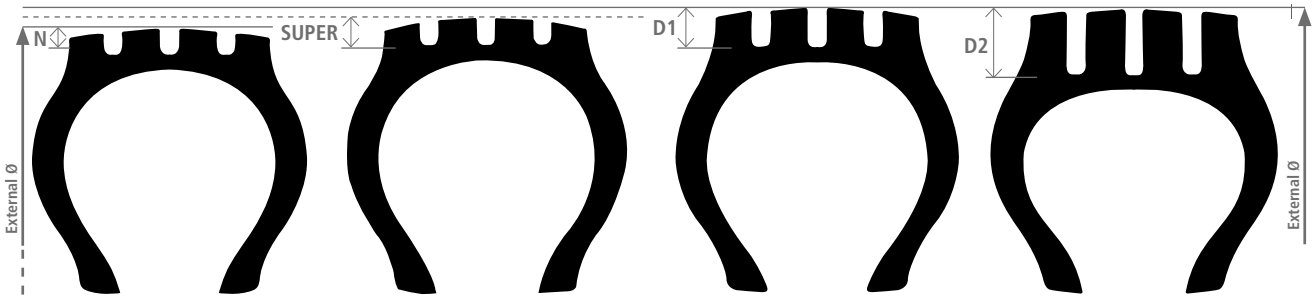
* ***ISO***: *International Standard Organisation*
ETRTO: *European Tire and Rim Organisation*
TRA: *Tire and Rim Association*
JATMA: *Japan Automobile Tire Manufacturers Association*

Within these categories, there are different tread depths and special tread patterns, for very specific uses.
These are identified by a number.
They must be chosen according to the type of ground and the tire's condition of use.
The letter "S" indicates a smooth tread; *example: L-5S.*

- **1** Ribbed (normal tread depth)
- **2** Traction (normal tread depth)
- **3** Normal (normal tread depth)
- **4** Deep (deep tread)
- **7** Flotation

ACCORDING TO THEIR TREAD DEPTHS

The tread depth 'SUPER, D1, D2' is sometimes indicated on the sidewall tire.



(E2 - E3 - L2 -L3 - G2 - G3)
Traction / Regular tread
Michelin® designation:
N (Normal)

(SUPER E3, SUPER L3)
Regular tread
Michelin® designation:
SUPER
(N < SUPER < D1)

(E4 - L4 - G4)
Deep tread
Aggressive ground
Michelin® designation:
D1 = N x 1.5

(L5)
Extra deep tread
Abrasive and aggressive ground
Michelin® designation:
D2 = N x 2.5

SUMMARY

CODE	TREAD PATTERN	APPLICATION
C1	SMOOTH	compactor
E1	RIBBED	Transport
E2	TRACTION	
E3	ROCK	
E4	ROCK (deep tread)	
E7	FLOTATION	
G1	RIBBED	Grader
G2	TRACTION	
G3	ROCK	
G4	ROCK (deep tread)	
G5	ROCK (very-deep tread)	
L2	TRACTION	Loader Bulldozer
L3	ROCK	
L4	ROCK (deep tread)	
L5	ROCK (very-deep tread)	
L3S	SMOOTH	
L4S	SMOOTH (deep tread)	
L5S	SMOOTH (very-deep tread)	

In addition, Michelin® provides complementary identification to some earthmover tires:
T = Traction, R = Rock, V = speed, F = Flotation, P = Multi purpose, S/R = Smooth/Rock
e.g.: L3T "Normal tread depth tire (L3; Standardized identification code) where traction is needed (T; Michelin® code)"

TIRE MARKINGS

WHAT YOU CAN LEARN FROM THE SIDEWALL MARKING

MICHELIN®
XMINE D2

1. Nominal section width of the tire (in inches): 35
2. Tire series: aspect ratio = 0.65
3. Radial construction: R
4. Rim diameter (in inches): 33
5. Load index of the tire: **
6. Type of use: loader (L) with deep tread (5)
7. Radial tire
8. Tire for loader
9. Tubeless tire
10. Manufacturer: MICHELIN®
11. Tread pattern: XMINED2

MICHELIN®
X-CRANE +

- **Radial** construction
- Nominal section width of the tire (in mm): **525**
- Tire series: **aspect ratio = 0.80**
- Rim diameter (in inches): **25**
- Tubeless
- Brand: **MICHELIN®**
- Tread pattern: **X-CRANE +**

12. Load index of the tire: **170**
13. Reference speed symbol of the tire: **F**
14. Regroovable

MICHELIN®
XDR2

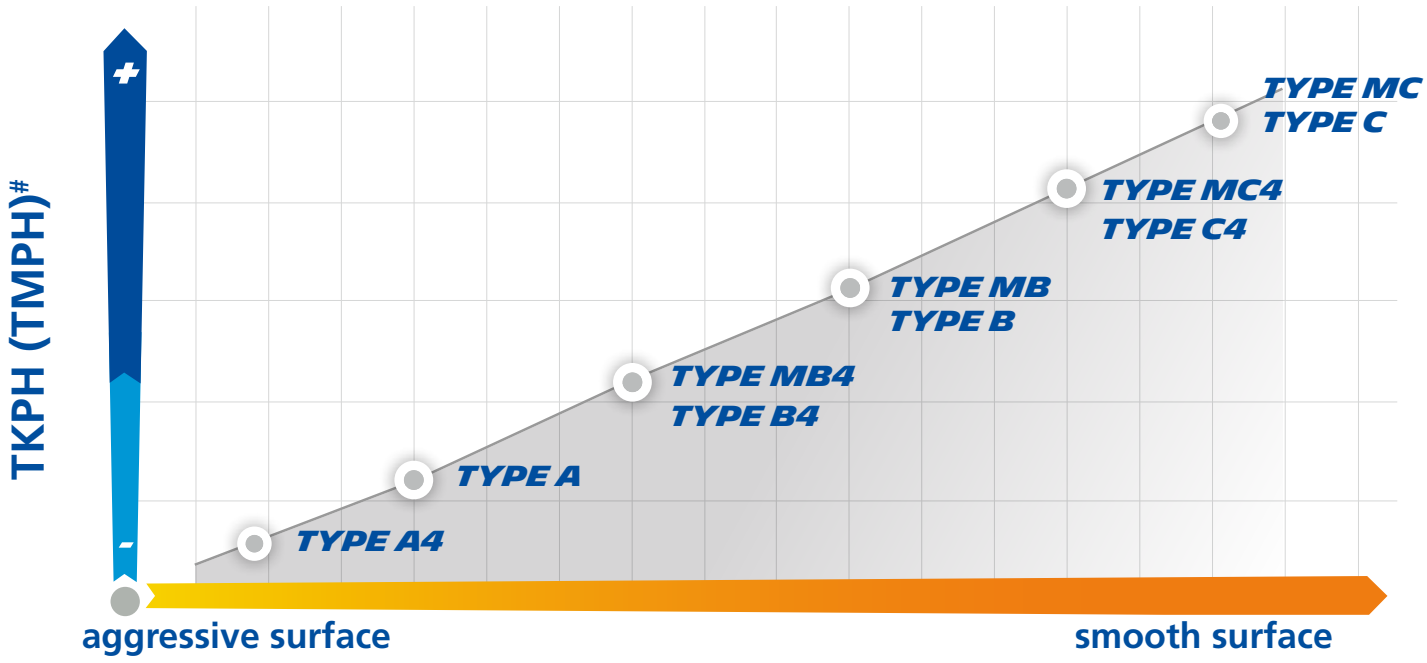
- **Radial** construction
- Nominal section width of the tire (in inches): **37**
- Rim diameter (in inches): **57**
- Tubeless
- Brand: **MICHELIN®**

15. Tire compound: **B4** *(explanation page 19)*

- Tread pattern: **XDR2**
- Identification code: **E4**
  (transport, “deep” tread)
- Load capacity: **

MICHELIN® EARTHMOVER TIRE COMPOUNDS

	TYPES	DESCRIPTION	TKPH (TMPH)#
Aggression Resistant	A4	Particularly resistant to cuts, tread tearing and abrasion on very rough surfaces	Minimum
	A	Particularly resistant to cuts, tread tearing and abrasion at average speeds which are higher than those for A4 (above)	Low
Standard	B4	Compromise solution between abrasion resistance and average speed on rough surfaces	Moderate
	MB4	Same as Type B4 but with a higher wear resistance	
	B	Higher resistance to internal heat generation on surfaces which are not particularly rough	Average
	MB	Same as Type B but with a higher wear resistance	
Heat Resistant	C4	Adapted to running on long cycles at high speeds on well-maintained roads	High
	MC4	Same as Type C4 but with a higher wear resistance	
	C	Very high resistance to high average speeds on long cycles run on well-maintained roads	Very High
	MC	Same as Type C but with a higher wear resistance	



TKPH: Ton kilometer per hour
TMPH: Ton mile per hour
(#) see page 102

LOAD INDEX - SPEED SYMBOL

Some tires bear a load index and a speed symbol.

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

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

LI	MAXIMUM LOAD		LI	MAXIMUM LOAD		LI	MAXIMUM LOAD		LI	MAXIMUM LOAD		LI	MAXIMUM LOAD	
	KG	LB		KG	LB		KG	LB		KG	LB		KG	LB
120	1 400	3 090	150	3 350	7 390	180	8 000	17 640	210	19 000	41 890	240	45 000	99 210
121	1 450	3 200	151	3 450	7 610	181	8 250	18 190	211	19 500	43 000	241	46 250	101 960
122	1 500	3 310	152	3 550	7 830	182	8 500	18 740	212	20 000	44 100	242	47 500	104 720
123	1 550	3 420	153	3 650	8 050	183	8 750	19 290	213	20 600	45 420	243	48 750	107 470
124	1 600	3 530	154	3 750	8 270	184	9 000	19 840	214	21 200	46 750	244	50 000	110 250
125	1 650	3 640	155	3 875	8 540	185	9 250	20 390	215	21 800	48 070	245	51 500	113 540
126	1 700	3 750	156	4 000	8 820	186	9 500	20 940	216	22 400	49 390	246	53 000	117 950
127	1 750	3 860	157	4 125	9 090	187	9 750	21 500	217	23 000	50 700	247	54 500	120 150
128	1 800	3 970	158	4 250	9 370	188	10 000	22 050	218	23 600	52 040	248	56 000	123 480
129	1 850	4 080	159	4 375	9 650	189	10 300	22 710	219	24 300	53 580	249	58 000	127 890
130	1 900	4 190	160	4 500	9 920	190	10 600	23 370	220	25 000	55 120	250	60 000	132 300
131	1 950	4 300	161	4 625	10 200	191	10 900	24 030	221	25 750	56 780	251	61 500	135 580
132	2 000	4 410	162	4 750	10 470	192	11 200	24 690	222	26 500	58 430	252	63 000	138 890
133	2 060	4 540	163	4 875	10 750	193	11 500	25 360	223	27 250	60 070	253	65 000	143 300
134	2 120	4 670	164	5 000	11 020	194	11 800	26 020	224	28 000	61 740	254	67 000	147 710
135	2 180	4 810	165	5 150	11 350	195	12 150	26 790	225	29 000	63 940	255	69 000	152 120
136	2 240	4 940	166	5 300	11 690	196	12 500	27 560	226	30 000	66 150	256	71 000	156 530
137	2 300	5 070	167	5 450	12 020	197	12 850	28 330	227	30 750	67 790	257	73 000	160 930
138	2 360	5 200	168	5 600	12 350	198	13 200	29 100	228	31 500	69 460	258	75 000	165 340
139	2 430	5 360	169	5 800	12 790	199	13 600	29 990	229	32 500	71 660	259	77 500	170 660
140	2 500	5 510	170	6 000	13 230	200	14 000	30 870	230	33 500	73 870	260	80 000	176 400
141	2 575	5 680	171	6 150	13 560	201	14 500	31 970	231	34 500	76 070	261	82 500	181 880
142	2 650	5 840	172	6 300	13 890	202	15 000	33 070	232	35 500	78 280	262	85 000	187 390
143	2 725	6 010	173	6 500	14 330	203	15 500	34 180	233	36 500	80 480	263	87 500	192 900
144	2 800	6 170	174	6 700	14 770	204	16 000	35 280	234	37 500	82 690	264	90 000	198 450
145	2 900	6 390	175	6 900	15 210	205	16 500	36 380	235	38 750	85 430	265	92 500	203 920
146	3 000	6 610	176	7 100	15 650	206	17 000	37 480	236	40 000	88 200	266	95 000	209 440
147	3 075	6 780	177	7 300	16 090	207	17 500	38 590	237	41 250	90 940	267	97 500	214 950
148	3 150	6 950	178	7 500	16 530	208	18 000	39 690	238	42 500	93 710	268	100 000	220 500
149	3 250	7 170	179	7 750	17 090	209	18 500	40 790	239	43 750	96 470	269	103 000	227 370

SPEED SYMBOLS

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

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

Examples of tire marking:

23.5 R 25 X-SUPER TERRAIN TL 185 B ; this tire is able to carry 9250 kg at a speed of 50 km/h (20 390 lb at 31 mph)
445/95 R 25 X-CRANE TL 174 F ; this tire is able to carry 6 700 kg at a maximum speed of 80 km/h (14 770 lb at 50 mph)

It is imperative:
- **not to exceed the permitted maximum speed of the tire**
- **not to exceed the permitted maximum distances in one hour as indicated in the tables of tire characteristics**
- **that, at the time of fitting, the various markings be checked, in order to be certain that the tire is suitable for operation at the maximum allowed vehicle speed and load.**

EQUIVALENCE OF RESISTANCE INDEX (PR: PLY RATING)

To be used as a reference for the replacement of a bias ply tire by a Michelin® radial tire.

SIZES AND MARKINGS	WORK MACHINES PR	TRANSPORT MACHINES PR	SIZES AND MARKINGS	WORK MACHINES PR	TRANSPORT MACHINES PR	SIZES AND MARKINGS	WORK MACHINES PR	TRANSPORT MACHINES PR
7.50 R 15	12		17.5 R 25 **	20	24	35/65 R 33 *	36	
8.25 R 15	12		18.00 R 25 *	24		35/65 R 33 ** (1)		
10.00 R 15			445/95 R 25 (174E, 177E, 177F)			35/65 R 33 E4**** L4*** (1)		
350/65 R 15 (1)			445/80 R 25 (170E)			37.5 R 33 **		48
14.5 R 15			18.00 R 25 **		36	21.00 R 35 **		44
400/80 R 15 (1)			20.5 R 25 *	24		24.00 R 35 **		48
9.00 R 20	16		20.5 R 25 **		28	29.5 R 35 **		40
10.00 R 20	16		505/85 R 25 (183E)			33.25 R 35 **		44
12.00 R 20	18		550/65 R 25 * (1)			37.25 R 35 **		48
E20 (13./80 R 20) (1)			21.00 R 25 **		40	37.5 R 39 **		52
14.00 R 20 (1)			23.5 R 25 *	28		40/65 R 39 *	42	
16.00 R 20			23.5 R 25 **		32	40.5/75 R 39 **		54
525/70 R 20.5			525/80 R 25 (179E)			45/65 R 39 * (1)		
24 R 20.5			600/65 R 25 * (1)			45/65 R 45 *	50	
24 R 21			650/65 R 25 (1)			24.00 R 49 **		48
12.00 R 24 ***	24	24	26.5 R 25 *	32		27.00 R 49 **		54
13.00 R 24 TG *	14		26.5 R 25 **		32	30.00 R 51 **		64
14.00 R 24 TG *	16		750/65 R 25 (1)			33.00 R 51 **		68
14.00 R 24	24		29.5 R 25 *	34		36.00 R 51 **		74
14.00 R 24 ***	28	32	29.5 R 25 **		34	50/65 R 51 ** (1)		
385/95 R 24 (170E, 170F)			850/65 R 25 (1)			37.00 R 57 ** (1)		
15.00 R 24 (17/80 R 24) (1)			26.5 R 29 **		34	40.00 R 57 **		78
16.00 R 24 TG *	16		775/65 R 29 (1)			50/80 R 57 ** (1)		
16.00 R 24 **		36	29.5 R 29 *	34		55/80 R 57 * (1)		
13.00 R 25 ***		28	29.5 R 29 **		40	50/90 R 57 ** (1)		
14.00 R 25 ***		32	33.25 R 29 **		44	60/80 R 57 (1)		
385/95 R 25 (170E, 170F)			800/65 R 29 * (1)			53/80 R 63 ** (1)		
15.5 R 25 *	16		875/65 R 29 (1)			55/80 R 63 ** (1)		
16.00 R 25 **		36	18.00 R 33 **		40	56/80 R 63 ** (1)		
395/80 R 25 (165E)			21.00 R 33 **		32	59/80 R 63 ** (1)		
17.5 R 25 *	16		33.5 R 33 **		44			

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

TECHNOLOGY OF MICHELIN® RADIAL CASING TIRES

A tire's construction is the key to its performance, and outstanding tire performance is a key competitive advantage for transport and working machines in the earthmover industry.

Earthmoving equipment can achieve outstanding performance by using radial tires.

COMPOSITION

The radial design combines metal or fabric plies, extending from one bead to the other, with a belt made of several steel plies designed to reinforce the crown of the tire.

A UNIQUE CONSTRUCTION WITH NUMEROUS ADVANTAGES

The sidewalls and crown work independently:

- Minimizing the deformation of the contact patch and the weight of the tire
- Improving adhesion and traction while slowing down the rate of wear
- Increasing the load capacity as the metal casing can take higher inflation pressures

The flexibility of the sidewalls of a radial tire therefore provides greater comfort:

- No compromise on stability
- Better resistance to damage and punctures

TIRE PERFORMANCE LEVELS THAT TRANSFORM MACHINE PERFORMANCE

Michelin® invented the radial design and is an expert in this field.
Radial tires significantly improve the productivity of earthmover machines.
The radial technology offers the best compromise between the following factors: load, speed, operational efficiency of the machines, tire service life, operator safety, etc.

Using a radial tire also improves fuel economy and reduces the environmental footprint.

MICHELIN® XHA2

23.5 - 25 BIAS

Two machines are launched at 30 km/h. After disengaging the motor, we measure the distance traveled.
The machine, equipped with Michelin® tires, has less rolling resistance and therefore travels further. This equates to lower fuel consumption in operation.
Image from tests carried out in our research and development in Almeria in Spain.

*Find this test and many other videos on **www.michelinearthmover.com** or contact your Michelin® account manager.*

ADVICE AND RECOMMENDATIONS ON THE USE OF MICHELIN® EARTHMOVER TIRES

USE OF TIRES

FITTING OF TG EARTHMOVER TIRES (24 INCH DIAMETER)

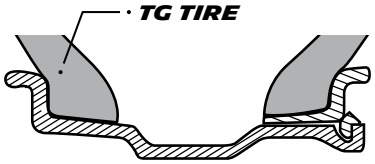
TG tires (XGLA2, XSNOPLUS) must only be fitted on drop-center and semi drop-center or single piece wheels.

Do not fit these tires on flat base rims which are incompatible because they have differences in seat diameter.

FITTING OF 15.5 R 25* AND 17.5 R 25* EARTHMOVER TIRES

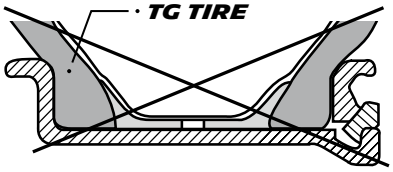
L2* (XTL A and XSNOPLUS) and L3* (XHA) and the XCRANE+ dimension 445/95 R 25 can be fitted to :
- multi piece SDC or Flat Base rims
- single piece rims

NOTE: L3** and L5 tires can only be fitted to multi piece rims.



SEMI DROP CENTER RIM (SDC)

OK ✔



FLAT BASE RIM

NO ✘

EXPLANATION OF THE DIFFERENT USES

Important: load/pressure scales are classified according different uses of machines.

LOADERS

Front Laden This table is used in priority. The loads come from the weighing of the loader or the axle weight given by the manufacturer.
This is the pressure, load and use tables, built from the maximum reference point given by the standards.
For front tires of the loader, it is possible to increase the pressure value given in Table Front Laden up to 1 bar without changing the carrying capacity. The resulting pressure must remain below the maximum values of inflation pressure when the latter are specified (see previous page).

Front Tipping This table is used when the only information available is that of the operating weight and tipping load of the loader (See page 100). This table can not be used to determine the operating pressure of dimensions 35/65 R 33 and beyond.

Rear Unladen This table is used when the weight of the rear axle of the unladen loader is known or when the rear axle weight is given by the manufacturer.

COMPACTOR

10 and 15 km/h These tables are given according to the maximum work speeds of the compactors. In all cases, the indications and the instructions provided by the manufacturer must be applied (Table indicating the pressure according to the work to be carried out).

UNDERGROUND MINING MACHINES

This is the table that is used for tires fitted to underground transport machines.

GRADERS

All axles

This is the table that is used when the axle weight has been determined (by weighing or from the manufacturer's data).
This table is derived from a reference speed of 40 km/h.
For higher speeds, a reduction in carrying capacity, as shown in the table below, is applied in accordance with the standards (ex: Year Book TRA 2017, page 4-28).

SPEED OF USE (KM/H)	VARIATION IN LOAD CAPACITY (%)
40	0
50	- 9
60	**- 18**
65	- 27

TRANSPORT (RIGID DUMP TRUCKS, TRUCKS, ...), ARTICULATED DUMP TRUCKS, SCRAPERS

Standard

Table loads / pressures built from the reference point "Off-the-road haulage service". This is the table that is used when one has determined the axle load (by weighing or by the manufacturer).

CRANES AND SIMILAR SPECIALIZED MACHINES

Standard

This is the table Load / Speed / Pressure that is used to adjust the pressure at the desired load based on maximum rates of use for the tires fitted on vehicles (all terrain, mobile cranes, intervention vehicules…). There are two ranges of tires. Reference speed 70 km/h, Speed symbol E or reference speed 80 km/h, Speed symbol F.

USE IN DESERTS AND SIMILAR CONDITIONS

Depending on whether the vehicle is fitted single or twin, the corresponding load table will be adopted.

1/ Road (Road in single / Road in twin):
These pressures are to be applied when the vehicle runs on good roads (This means asphalt or compacted surfaces). For these conditions the pressures have been calculated for a maximum speed of 80 km/h (50 mph) or 65 km/h (40 mph) depending on the tire size considered.

2/ Track (Track in single / Track in twin):
These pressures are recommended for driving on roads in poor condition, washboard (corrugated) and gravel or desert surfaces.
For these conditions the pressures have been calculated

- ➔ for a maximum speed of 65 km/h (40 mph).if the speed on road is 80 km/h (50 mph),
- ➔ or a maximum speed of 50 km/h (30 mph).if the speed on road is 65 km/h (40 mph).

3/ Sand (Sand in single / sand in twin):
These pressures are used to allow the vehicle to cross without difficulty the difficult areas where the problem of adhesion or depression can be important. To avoid premature depletion of the kilometric performance, the speed must be limited

- ➔ to 20 km/h (12,5 mph) if the speed on road is 80 km/h (50 mph),
- ➔ to 15 km/h (9.3 mph) if the speed on road is 65 km/h (40 mph).

After "sand" use, the pressure must be readjusted for subsequent conditions of use (road or track).

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
15"											
7.50 R 15 Tube Type											
MICHELIN® X LISSE COMPACTEUR C1 123461			**198** *7.8*	**770** *30.3*	**338** *13.3*	**2324** *91.5*	**9** *11.3*		**40** *11*	5.5 **6.0** 6.00S 6.5 B6.5	See page 84 to 89
7.50 R 15 Tube Type											
MICHELIN® XMINE D2 L5 123342	**6** *3.7*		**230** *9.1*	**840** *33.1*	**385** *15.2*	**2551** *100.4*	**46** *58*		**39** *10*	5.5 **6.0** 6.00S 6.5 B6.5	See page 84 to 89
8.25 R 15 Tube Type											
MICHELIN® XMINE D2 L5 123352	**6** *3.7*		**250** *9.8*	**882** *34.7*	**402** *15.8*	**2680** *105.5*	**48** *60.5*		**47** *12*	6.0 **6.5** B6.5 7.0	See page 84 to 89
10.00 R 15 Tube Type											
MICHELIN® XMINE D2 L5 123372	**6** *3.7*		**295** *11.6*	**910** *35.8*	**411** *16.2*	**2748** *108.2*	**48** *60.5*		**70** *18*	7.0 **7.5**	See page 84 to 89
350/65 R 15 (32x14.5 R 15) Tubeless											
MICHELIN® XMINE D2 L5 826683	**6** *3.7*		**348** *13.7*	**844** *33.2*	**379** *14.9*	**2543** *100.1*	**36** *45.4*		**91** *24*	10.50 **11.50**	See page 84 to 89
14.5 R 15 Tubeless											
MICHELIN® XMINE D2 L5 123101	**6** *3.7*		**380** *15*	**894** *35.2*	**408** *16.1*	**2711** *106.7*	**48** *60.5*		**90** *24*	**10.50** 11.00BD 11.0 11.50	See page 84 to 89
400/80 R 15 (38x16 R 15) Tubeless											
MICHELIN® XMINE D2 L5 735466	**6** *3.7*		**385** *15.2*	**996** *39.2*	**445** *17.5*	**2996** *118*	**34** *42.8*		**128** *34*	**11.50**	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

15"

	Machine - Utilisation	bar / psi	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	6 87	7 102	8 116
X LISSE COMPACTEUR C1	Compactors	10 km/h 6 mph	1250 2756	1400 3087	1470 3241	1540 3396	1680 3704	1830 4035	1970 4344	2120 4675	2420 5336	2725 6009
		15 km/h 9 mph	1020 2249	1135 2503	1190 2624	1250 2756	1375 3032	1500 3308	1600 3528	1700 3749	1980 4366	2180 4807

	Machine - Utilisation	bar / psi	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	6 87	7 102	8 116
XMINE D2 L5	Loaders	Front laden	1850 4079	2000 4410	2075 4575	2150 4741	2250 4961	2400 5292	2500 5513	2650 5843	2900 6395	3150 6946
		Rear unladen	1475 3252	1600 3528	1650 3638	1725 3804	1800 3969	1925 4245	2000 4410	2125 4686	2325 5127	2525 5568
XMINE D2 L5	underground mine machines	All axles	1675 3693	1800 3969	1875 4134	1925 4245	2025 4465	2150 4741	2250 4961	2375 5237	2600 5733	2825 6229

	Machine - Utilisation	bar / psi	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	6 87	7 102	8 116
XMINE D2 L5	Loaders	Front laden	2000 4410	2200 4851	2300 5072	2400 5292	2550 5623	2700 5954	2850 6284	3000 6615	3300 7277	3600 7938
		Rear unladen	1600 3528	1750 3859	1850 4079	1925 4245	2050 4520	2150 4741	2275 5016	2400 5292	2650 5843	2875 6339
XMINE D2 L5	underground mine machines	All axles	1800 3969	1975 4355	2075 4575	2150 4741	2300 5072	2425 5347	2575 5678	2700 5954	2975 6560	3250 7166

	Machine - Utilisation	bar / psi	3 44	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	8 116
XMINE D2 L5	Loaders	Front laden	2400 5292	2600 5733	2800 6174	3000 6615	3200 7056	3350 7387	3500 7718	3700 8159	3900 8600	4300 9482
		Rear unladen	1925 4245	2075 4575	2250 4961	2400 5292	2550 5623	2675 5898	2800 6174	2965 6538	3125 6891	3450 7607
XMINE D2 L5	underground mine machines	All axles	2150 4741	2350 5182	2525 5568	2700 5954	2875 6339	3025 6670	3150 6946	3325 7332	3500 7718	3875 8544

	Machine - Utilisation	bar / psi	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	6 87	7 102	8 116
XMINE D2 L5	Loaders	Front laden	2400 5292	2660 5865	2790 6152	2920 6439	3150 6946	3400 7497	3570 7872	3750 8269	4200 9261	4600 10143
		Rear unladen	1920 4234	2128 4692	2232 4922	2336 5151	2520 5557	2720 5998	2856 6297	3000 6615	3360 7409	3680 8114
XMINE D2 L5	underground mine machines	All axles	2160 4763	2394 5279	2511 5537	2628 5795	2835 6251	3060 6747	3213 7085	3375 7442	3780 8335	4140 9129

	Machine - Utilisation	bar / psi	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	6 87	7 102	8 116
XMINE D2 L5	Loaders	Front laden	2550 5623	2850 6284	2975 6560	3100 6836	3350 7387	3600 7938	3850 8489	4100 9041	4600 10143	5100 11246
		Rear unladen	2050 4520	2275 5016	2375 5237	2475 5457	2675 5898	2875 6339	3075 6780	3275 7221	3675 8103	4075 8985
XMINE D2 L5	underground mine machines	All axles	2300 5072	2575 5678	2675 5898	2800 6174	3025 6670	3250 7166	3475 7662	3700 8159	4150 9151	4600 10143

	Machine - Utilisation	bar / psi	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	6 87	7 102	8 116
XMINE D2 L5	Loaders	Front laden	3300 7277	3650 8048	3825 8434	4000 8820	4350 9592	4700 10364	5050 11135	5400 11907	6100 13451	6600 14553
		Rear unladen	2650 5843	2925 6450	3050 6725	3200 7056	3475 7662	3750 8269	4050 8930	4325 9537	4875 10749	5275 11631
XMINE D2 L5	underground mine machines	All axles	2975 6560	3275 7221	3450 7607	3600 7938	3900 8600	4225 9316	4550 10033	4850 10694	5500 12128	5950 13120

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
20"											
9.00 R 20 Tube Type											
MICHELIN® XMINE D2 L5R * 123382	6 *3.7*		277 *10.9*	1054 *41.5*	484 *19.1*	3203 *126.1*	51 *64.3*		98 *26*	6.5 - B6.5 7.0T **7.0** B 7.0 7.33V B7.5 7.5	See page 84 to 89
12.00 R 20 Tube Type											
MICHELIN® XMINE D2 L5R 123392	6 *3.7*		323 *12.7*	1174 *46.2*	534 *21*	3555 *140*	57 *71.8*		146 *39*	8.0 **8.5** B 8.5 8.5V 8.50V 9.0 9.00V	See page 84 to 89
E20 PIL X L C 13/80 R 20 Tube Type											
MICHELIN® X LISSE COMPACTEUR C1 240750			322 *12.7*	1050 *41.3*	470 *18.5*	3160 *124.4*	12 *15.1*		140 *37*	7.33V - 7.5 B 7.5 - 8.0 B8.0 - 8.0V 8.00V - 8.5 B8.5 - 8.50V 9.00V - 10.0 - 10.00V **9.0**	See page 84 to 89
14.00 R 20 Tubeless											
MICHELIN® XMINE D2 L5R 372138	6 *3.7*		368 *14.5*	1236 *48.7*	557 *21.9*	3745 *147.4*	48 *60.5*		175 *46*	10.00W **10.0**	See page 84 to 89
16.00R20 Tubeless											
MICHELIN® XZL E2 173G 123357	70 *43.5*		438 *17.2*	1343 *52.9*	615 *24.2*	4080 *160.6*	27 *34*		315 *83*	**10.00W** 11.25	See page 84 to 89
450/70 R 20 Tubeless											
MICHELIN® XMINE D2 L5 * 976013	8 *5*		433 *17*	1163 *45.8*	515 *20.3*	3488 *137.3*	37 *46.6*		229 *61*	**15.00T**	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

20"

	Machine - Utilisation	bar psi	3 44	4 58	5 73	6 87	7 102	8 116				
XMINE D2 *L5R	Loaders	Front tip.load	5100 11246	5800 12789	6450 14222	7150 15766	7800 17199	8500 18743				
		Front laden	3000 6615	3400 7497	3800 8379	4200 9261	4600 10143	5000 11025				
		Rear unladen	2400 5292	2700 5954	3050 6725	3350 7387	3700 8159	4000 8820				
XMINE D2 *L5R	underground mine machines	All axles	2700 5954	3050 6725	3400 7497	3800 8379	4150 9151	4500 9923				

	Machine - Utilisation	bar psi	3 44	4 58	5 73	6 87	7 102	8 116				
XMINE D2 L5R	Loaders	Front tip.load	5800 12789	6800 14994	7800 17199	8850 19514	9850 21719	10900 24035				
		Front laden	3400 7497	4000 8820	4600 10143	5200 11466	5800 12789	6400 14112				
		Rear unladen	2700 5954	3200 7056	3700 8159	4150 9151	4650 10253	5100 11246				
XMINE D2 L5R	underground mine machines	All axles	3050 6725	3600 7938	4150 9151	4700 10364	5200 11466	5750 12679				

	Machine - Utilisation	bar psi	3 44	4 58	5 73	6 87	7 102	8 116	8.5 123	9 131		
X LISSE COMPACTEUR C1	Compactors	10 km/h 6 mph	2520 5557	3100 6836	3660 8070	4260 9393	4840 10672	5420 11951	5710 12591	6000 13230		
		15 km/h 9 mph	2240 4939	2760 6086	3260 7188	3790 8357	4310 9504	4820 10628	5000 11025			

	Machine - Utilisation	bar psi	3 44	4 58	5 73	5.5 80	6 87	6.5 94	7 102	8 116	8.5 123	
XMINE D2 L5R	Loaders	Front laden	4140 9129	4920 10849	5690 12546	6070 13384	6460 14244	6850 15104	7230 15942	8010 17662		
		Rear unladen	2430 5358	3100 6836	3770 8313	4100 9041	4430 9768	4770 10518	5100 11246	5770 12723		
XMINE D2 L5R	underground mine machines	All axles	3480 7673	4200 9261	4920 10849	5280 11642	5640 12436	6000 13230	6360 14024	7070 15589	7793 17184	

	Machine - Utilisation	bar psi	2 29	3 44	4 58	5 73	6 87	7 102	8 116	8.5 123	9 131	10 145
XZL E2	Cranes and Similar Specialized Machines	0 km/h 0 mph	3580 7894	4830 10650	6125 13506	7390 16295	8660 19095	9900 21830	11200 24696	12075 26625	12950 28555	14700 32414
		5 km/h 3 mph	2850 6284	3950 8710	5000 11025	6100 13451	7200 15876	8100 17861	9250 20396	9825 21664	10400 22932	11550 25468
		10 km/h 6 mph	2750 6064	3750 8269	4750 10474	5750 12679	6700 14774	7600 16758	8700 19184	9125 20121	9550 21058	10600 23373
		20 km/h 12 mph	2500 5513	3250 7166	4250 9371	5000 11025	6000 13230	6860 15126	7600 16758	8075 17805	8550 18853	9500 20948
		30 km/h 19 mph	2250 4961	3000 6615	3750 8269	4500 9923	5250 11576	6000 13230	6860 15126	7225 15931	7590 16736	
		40 km/h 25 mph	2000 4410	2750 6064	3550 7828	4250 9371	5000 11025	5750 12679	6500 14333	6830 15060	7160 15788	
		50 km/h 31 mph	1950 4300	2700 5954	3500 7718	4200 9261	4900 10805	5700 12569	6350 14002	6725 14829	7100 15656	
		65 km/h 40 mph	1850 4079	2650 5843	3400 7497	4150 9151	4850 10694	5550 12238	6300 13892	6650 14663	7000 15435	
		80 km/h 50 mph	1800 3969	2600 5733	3350 7387	4100 9041	4800 10584	5500 12128	6250 13781	6550 14443	6850 15104	
		90 km/h 56 mph	1750 3859	2550 5623	3300 7277	4050 8930	4750 10474	5450 12017	6200 13671	6500 14333		

	Machine - Utilisation	bar psi	5 73	5.5 80	6 87	6.5 94	7 102	7.25 105	7.5 109	7.75 112	8 116	8.25 120
XMINE D2 **L5	Loaders	Front laden	6700 14774	7100 15656	7750 17089	8000 17640	8500 18743	8750 19294	9000 19845	9250 20396	9500 20948	9750 21499
		Rear unladen	5360 11819	5680 12524	6200 13671	6400 14112	6800 14994	7000 15435	7200 15876	7400 16317	7600 16758	7800 17199
XMINE D2 **L5	Underground Tansport Machine	All axles	6000 13230	6500 14333	6900 15215	7300 16097	7750 17089	8000 17640	8250 18191	8500 18743	8550 18853	8750 19294

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
20.5"											
525/65 R 20.5 Tubeless											
MICHELIN® XS E7 173F 109421 (9)			**521** *20.5*	**1200** *47.2*	**548** *21.6*	**3640** *143.3*	**17** *21.4*		**337** *89*	**16.00**	See page 84 to 89
24 R 20.5 Tubeless											
MICHELIN® XS E7 176F 109174 (9)			**602** *23.7*	**1374** *54.1*	**620** *24.4*	**4150** *163.4*	**17** *21.4*		**538** *142*	**18.00**	See page 84 to 89
21"											
24 R 21 Tubeless											
MICHELIN® XZL E2 176G 110257 (9)			**608** *23.9*	**1388** *54.6*	**631** *24.8*	**4200** *165.4*				**18.00/1.5**	See page 84 to 89
24"											
12.00 R 24 Tube Type											
MICHELIN® XZH E3*** 123369	**35** *21.7*	**119** *82*	**321** *12.6*	**1258** *49.5*	**591** *23.3*	**3857** *151.9*	**30** *37.8*		**171** *45*	7.33V 8.0 8.00V 8.50V **8.5**	See page 84 to 89
12.00 R 24 Tube Type											
MICHELIN® XK A L3*** 242110	**14** *8.7*		**330** *13*	**1244** *49*	**569** *22.4*	**3775** *148.6*	**21** *26.5*		**155** *41*	7.33V 7.5 8.0 8.00V 8.50V **8.5**	See page 84 to 89
MICHELIN® XMINE D2 L5R 242046	**6** *3.7*			**1280** *50.4*	**594** *23.4*	**3906** *153.8*	**57** *71.8*		**138** *36*		
MICHELIN® XSM D2+ L5S 123647	**4** *2.5*		**325** *12.8*	**1264** *49.8*	**580** *22.8*	**3840** *151.2*			**140** *37*		
13.00 R 24 Tubeless											
MICHELIN® XGL A2 L2*TG 123386 (6)(10)	**16** *9.9*		**335** *13.2*	**1296** *51*	**570** *22.4*	**3875** *152.6*	**25** *31.5*		**215** *57*	**8.00 TG SDC** 9.00/1.5 DC 10.00 VA SDC	See page 84 to 89
14.00 R 24 Tube Type											
MICHELIN® XK A E3*** 251590	**14** *8.7*		**401** *15.8*	**1380** *54.3*	**638** *25.1*	**4205** *165.6*	**24** *30.2*		**270** *71*	9.00V 9.0 **10.0** 10.00W	See page 84 to 89
MICHELIN® XK D1 A E4*** 251592	**18** *11.2*	**84** *58*	**401** *15.8*	**1412** *55.6*	**657** *25.9*	**4313** *169.8*	**37** *46.6*		**270** *71*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

20.5"

	Machine - Utilisation	bar / psi	1 15	2 29	3 44	4 58	5 73	6 87	7 102	8 116		
XS E7	Desert conditions 80 km/h max.	Road in single	1450 3197	2150 4741	2850 6284	3600 7938	3600 9482	5000 11025	5750 12679	6500 14333		
		Track in single	1700 3749	2600 5733	3500 7718	4450 9812	5250 11576					
		Sand in single	2300 5072	3850 8489	5250 11576							

	Machine - Utilisation	bar / psi	1 15	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87
XS E7	Desert conditions 80 km/h max.	Road in single	1950 4300	2950 6505	3450 7607	4000 8820	4500 9923	5010 11047	5520 12172	6050 13340	6575 14498	7100 15656
		Track in single	2550 5623	3650 8048	4250 9371	4750 10474	5300 11687	5850 12899	6400 14112	6750 14884	7100 15656	
		Sand in single	3500 7718	5350 11797	6400 14112	7100 15656						

21"

	Machine - Utilisation	bar / psi	1 15	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87
XZL E2	Desert conditions 80 km/h max.	Road in single	1950 4300	2950 6505	3450 7607	4000 8820	4500 9923	5010 11047	5520 12172	6050 13340	6575 14498	7100 15656
		Track in single	2550 5623	3650 8048	4250 9371	4750 10474	5300 11687	5850 12899	6400 14112	6750 14884	7100 15656	
		Sand in single	3500 7718	5350 11797	6400 14112							

24"

	Machine - Utilisation	bar / psi	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	8 116	8.5 123	
XZH * E3**	Transport	Standard	2700 5954	2950 6505	3200 7056	3475 7662	3750 8269	4000 8820	4250 9371	4500 9923	4650 10253	

	Machine - Utilisation	bar / psi	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87	7 102
XSM D2+ L5S **XMINE D2 L5R**	Loaders	Front tip.load	3900 8600	4600 10143	5200 11466	5850 12899	6550 14443	7150 15766	7800 17199	8450 18632	9100 20066	10350 22822
		Front laden	2300 5072	2700 5954	3050 6725	3450 7607	3850 8489	4200 9261	4600 10143	4975 10970	5350 11797	6100 13451
		Rear unladen	1850 4079	2150 4741	2450 5402	2750 6064	3100 6836	3350 7387	3700 8159	4000 8820	4300 9482	4900 10805
XK A * L3** **XSM D2+ L5S** **XMINE D2 L5R**	underground mine machines	All axles	2050 4520	2450 5402	2750 6064	3100 6836	3450 7607	3800 8379	4150 9151	4475 9867	4800 10584	5500 12128

	Machine - Utilisation	bar / psi	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73			
XGL A2 *TG L2	Loaders	Front tip.load	4500 9923	5250 11576	6100 13451	6900 15215	7650 16868	8400 18522	9200 20286			
		Front laden	2650 5843	3100 6836	3600 7938	4050 8930	4500 9923	4950 10915	5400 11907			
		Rear unladen	2100 4631	2500 5513	2900 6395	3250 7166	3600 7938	3950 8710	4300 9482			
XGL A2 *TG L2	Graders	All axles	1900 4190	2225 4906	2550 5623	2900 6395						

	Machine - Utilisation	bar / psi	4 58	5 73	5.5 80	6 87	6.5 94	7 102	8 116			
XK A * E3** **XK D1 A *** E4**	Transport	Standard	3750 8269	4500 9923	4850 10694	5600 12348	5700 12569	5800 12789	6150 13561			

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		

24" CONTINUED

14.00 R 24 Tube Type

MICHELIN® XK A E3 *** 251590	14 *8.7*		401 *15.8*	1380 *54.3*	638 *25.1*	4205 *165.6*	24 *30.2*		270 *71*	9.00V 9.0 10.0 **10.00W**	See page 84 to 89
MICHELIN® XK D1 A E4 *** 251592	18 *11.2*	84 *58*		1412 *55.6*	657 *25.9*	4313 *169.8*	37 *46.6*				
MICHELIN® XSM D2+ L5S 123597	4 *2.5*			1395 *54.9*	636 *25*	4227 *166.4*	58 *73.1*		266 *70*		

14.00 R 24 TG Tubeless

MICHELIN® XSNOPLUS L2 * TG 123861 (6)	16 *9.9*		372 *14.6*	1364 *53.7*	545 *21.5*	3941 *155.2*	24 *30.2*		264 *70*	**8.00 TG SDC** 9.00/1.5 DC 10.00VA SDC	See page 84 to 89
MICHELIN® XGL A2 L2 * TG 123395 (6)			371 *14.6*	1360 *53.5*	592 *23.3*	4051 *159.5*	25 *31.5*		310 *82*		

15.00 R 24 Pil (17/80 R 24)
Tube Type

MICHELIN® X LISSE COMPACTEUR C1 252211			415 *16.3*	1334 *52.5*	592 *23.3*	4002 *157.6*	21 *26.5*		320 *85*	9.0 9.00V 10.0W 10.00W **10.0**	See page 84 to 89

16.00 R 24 Tubeless

MICHELIN® XGL A2 L2 * TG 123903 (6)	16 *9.9*		435 *17.1*	1500 *59.1*	646 *25.4*	4451 *175.2*	27 *34*		412 *109*	**10.00 VA SDC**	See page 84 to 89

385/95 R 24 Tube Type

MICHELIN® XSNOPLUS 170E 432272	70 *43.5*		386 *15.2*	1358 *53.5*	635 *25*	4156 *163.6*	24 *30.2*		283 *75*	9.00V 9.0 10.0/2.0 **10.00W**	See page 84 to 89
MICHELIN® XMH S E2T 170E 957157			389 *15.3*	1361 *53.6*	632 *24.9*	4155 *163.6*			284 *75*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

24" CONTINUED

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	7 / 102
XSM D2+ L5S	Loaders	Front tip.load	5550 *12238*	6400 *14112*	7300 *16097*	8150 *17971*	9100 *20066*	10050 *22160*	10900 *24035*	11750 *25909*		
		Front laden	3250 *7166*	3750 *8269*	4300 *9482*	4800 *10584*	5350 *11797*	5900 *13010*	6400 *14112*	6900 *15215*		
		Rear unladen	2600 *5733*	3000 *6615*	3450 *7607*	3850 *8489*	4300 *9482*	4700 *10364*	5100 *11246*	5500 *12128*		
XK A * E3** **XK D1 A *** E4** **XSM D2+ L5S**	underground mine machines	All axles	2950 *6505*	3400 *7497*	3850 *8489*	4300 *9482*	4800 *10584*	5300 *11687*	5750 *12679*	6200 *13671*	6550 *14443*	7250 *15986*

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.5 / 80		
XSNOPLUS *TG L2 **XGL A2 *TG L2**	Loaders	Front tip.load	5550 *12238*	6400 *14112*	7300 *16097*	8150 *17971*	9100 *20066*	10050 *22160*	10900 *24035*	11750 *25909*		
		Front laden	3250 *7166*	3750 *8269*	4300 *9482*	4800 *10584*	5350 *11797*	5900 *13010*	6400 *14112*	6900 *15215*		
		Rear unladen	2600 *5733*	3000 *6615*	3450 *7607*	3850 *8489*	4300 *9482*	4700 *10364*	5100 *11246*	5500 *12128*		
XSNOPLUS *TG L2 **XGL A2 *TG L2**	Graders	All axles	2300 *5072*	2725 *6009*	3125 *6891*	3550 *7828*						

	Machine - Utilisation	bar / psi	3 / 44	4 / 58	5 / 73	6 / 87	6.5 / 94	7 / 102	7.5 / 109	8 / 116	8.5 / 123	
X LISSE COMPACTEUR C1	Compactors	10 km/h 6 mph	5320 *11731*	6540 *14421*	7750 *17089*	8965 *19768*	9570 *21102*	10180 *22447*	10790 *23792*	11390 *25115*	12000 *26460*	
		15 km/h 9 mph	4740 *10452*	5820 *12833*	6900 *15215*	7980 *17596*	8520 *18787*					

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73			
XGL A2 *TG L2	Loaders	Front tip.load	7650 *16868*	8750 *19294*	9850 *21719*	10900 *24035*	12000 *26460*	13100 *28886*	14200 *31311*			
		Front laden	4500 *9923*	5150 *11356*	5800 *12789*	6400 *14112*	7050 *15545*	7700 *16979*	8350 *18412*			
		Rear unladen	3600 *7938*	4100 *9041*	4650 *10253*	5100 *11246*	5650 *12458*	6150 *13561*	6700 *14774*			
XGL A2 *TG L2	Graders	All axles	3150 *6946*	3625 *7993*	4125 *9096*	4625 *10198*						

	Machine - Utilisation	bar / psi	5 / 73	6 / 87	7 / 102	8 / 116	9 / 131					
XSNOPLUS **XMH S E2T**	Cranes and Similar Specialized Machines	30 km/h 19 mph	4860 *10716*	5880 *12965*	6460 *14244*	7000 *15435*	7800 *17199*					
		40 km/h 25 mph	4635 *10220*	5610 *12370*	6165 *13594*	6675 *14718*	7450 *16427*					
		50 km/h 31 mph	4410 *9724*	5340 *11775*	5865 *12932*	6355 *14013*	7100 *15656*					
		60 km/h 37 mph	4190 *9239*	5070 *11179*	5565 *12271*	6030 *13296*	6720 *14818*					
		65 km/h 40 mph	4020 *8864*	4865 *10727*	5345 *11786*	5790 *12767*	6450 *14222*					
		70 km/h 43 mph	3740 *8247*	4525 *9978*	4970 *10959*	5385 *11874*	6000 *13230*					
		80 km/h 50 mph	3086 *6805*	3735 *8236*	4100 *9041*	4445 *9801*	4950 *10915*					
		90 km/h 56 mph	2620 *5777*	3170 *6990*	3480 *7673*	3770 *8313*	4200 *9261*					
		100 km/h 62 mph	2245 *4950*	2715 *5987*	2980 *6571*	3230 *7122*	3600 *7938*					

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
24" CONTINUED											
385/95 R 24 Tube Type											
MICHELIN® X-CRANE 170F 778245	80 *49.7*		376 *14.8*	1361 *53.6*	631 *24.8*	4153 *163.5*	23 *29*		284 *75*	**10.00W** 10.0 11.25/1.3	See page 84 to 89
25"											
14.00 R 25 Tubeless											
MICHELIN® XH D1 A E4 *** 123331	22 *13.7*	102 *70*	401 *15.8*	1410 *55.5*	650 *25.6*	4291 *168.9*	38 *47.9*		275 *73*	**10.00/1.5** 11.25/1.3	See page 84 to 89
385/95 R 25 Tubeless											
MICHELIN® XSNOPLUS E2 170E 705961	70 *43.5*		388 *15.3*	1365 *53.7*	632 *24.9*	4163 *163.9*	25 *31.5*		280 *74*	**9.50/1.7 CR** 10.00/1.5 11.25/1.3	See page 84 to 89
MICHELIN® XMH S 170E 254174			391 *15.4*	1361 *53.6*		4155 *163.6*	24 *30.2*		278 *73*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

24" CONTINUED

	Machine - Utilisation	bar / psi	5 73	6 87	7 102	8 116	9 131					
X-CRANE	Cranes and Similar Specialized Machines	30 km/h 19 mph	**4750** *10474*	**5440** *11995*	**6125** *13506*	**6815** *15027*	**7500** *16538*					
		40 km/h 25 mph	**4370** *9636*	**5005** *11036*	**5635** *12425*	**6270** *13825*	**6900** *15215*					
		50 km/h 31 mph	**4255** *9382*	**4870** *10738*	**5490** *12105*	**6105** *13462*	**6720** *14818*					
		60 km/h 37 mph	**4180** *9217*	**4785** *10551*	**5390** *11885*	**5995** *13219*	**6600** *14553*					
		65 km/h 40 mph	**4085** *9007*	**4675** *10308*	**5270** *11620*	**5860** *12921*	**6450** *14222*					
		70 km/h 43 mph	**3990** *8798*	**4570** *10077*	**5145** *11345*	**5725** *12624*	**6300** *13892*					
		80 km/h 50 mph	**3800** *8379*	**4350** *9592*	**4900** *10805*	**5450** *12017*	**6000** *13230*					
		90 km/h 56 mph	**3570** *7872*	**4090** *9018*	**4605** *10154*	**5120** *11290*	**5640** *12436*					
		100 km/h 62 mph	**3230** *7122*	**3700** *8159*	**4165** *9184*	**4630** *10209*	**5100** *11246*					

25"

	Machine - Utilisation	bar / psi	4 58	4.5 65	5 73	5.5 80	5.75 83	6 87	7 102	8.5 123		
XH D1 A * E4**	Transport	Standard	**3750** *8269*	**4100** *9041*	**4500** *9923*	**4850** *10694*	**5100** *11246*	**5250** *11576*	**5800** *12789*	**6350** *14002*		

	Machine - Utilisation	bar / psi	5 73	6 87	7 102	8 116	9 131					
XSNOPLUS E2 **XMH S**	Cranes and Similar Specialized Machines	30 km/h 19 mph	**4860** *10716*	**5880** *12965*	**6460** *14244*	**7000** *15435*	**7800** *17199*					
		40 km/h 25 mph	**4635** *10220*	**5610** *12370*	**6165** *13594*	**6675** *14718*	**7450** *16427*					
		50 km/h 31 mph	**4410** *9724*	**5340** *11775*	**5865** *12932*	**6355** *14013*	**7100** *15656*					
		60 km/h 37 mph	**4190** *9239*	**5070** *11179*	**5565** *12271*	**6030** *13296*	**6720** *14818*					
		65 km/h 40 mph	**4020** *8864*	**4865** *10727*	**5345** *11786*	**5790** *12767*	**6450** *14222*					
		70 km/h 43 mph	**3740** *8247*	**4525** *9978*	**4970** *10959*	**5385** *11874*	**6000** *13230*					
		80 km/h 50 mph	**3086** *6805*	**3735** *8236*	**4100** *9041*	**4445** *9801*	**4950** *10915*					
		90 km/h 56 mph	**2620** *5777*	**3170** *6990*	**3480** *7673*	**3770** *8313*	**4200** *9261*					
		100 km/h 62 mph	**2245** *4950*	**2715** *5987*	**2980** *6571*	**3230** *7122*	**3600** *7938*					

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
25" CONTINUED											
385/95 R 25 Tubeless											
MICHELIN® X-CRANE + 170F 682834 ***MICHELIN® X-CRANE 170F*** 296917 (8)	80 *49.7*		380 *15*	1365 *53.7*	633 *24.9*	4165 *164*	23 *29*		280 *74*	9.50/1.7 CR 10.00/1.5 11.25/1.3	See page 84 to 89
385/95 R 25 X-CRANE + TL 170E Tubeless											
MICHELIN® X-CRANE + 170E 060565 (16)	70 *43.5*		391 *15.4*	1365 *53.7*	633 *24.9*	4165 *164*	23 *29*		280 *74*	10.00/1.5	See page 84 to 89
15.5 R 25 Tubeless											
MICHELIN® XTL A L2 * 123415 (5)	16 *9.9*		397 *15.6*	1272 *50.1*	556 *21.9*	3795 *149.4*	26 *32.8*		245 *65*	12.00/1.3 12.00/1.3DC 13.00/1.4DC	See page 84 to 89
MICHELIN® XH A L3 * 123008			404 *15.9*	1270 *50*	555 *21.9*	3789 *149.2*					
MICHELIN® XMINE D2 L5R * 252905	6 *3.7*		418 *16.5*	1336 *52.6*	609 *24*	4049 *159.4*	60 *75.6*		215 *57*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar / psi	5 / 73	6 / 87	7 / 102	8 / 116	9 / 131					
X-CRANE + X-CRANE	Cranes and Similar Specialized Machines	30 km/h 19 mph	4750 10474	5440 11995	6125 13506	6815 15027	7500 16538					
		40 km/h 25 mph	4370 9636	5005 11036	5635 12425	6270 13825	6900 15215					
		50 km/h 31 mph	4255 9382	4870 10738	5490 12105	6105 13462	6720 14818					
		60 km/h 37 mph	4180 9217	4785 10551	5390 11885	5995 13219	6600 14553					
		65 km/h 40 mph	4085 9007	4575 10088	5270 11620	5860 12921	6450 14222					
		70 km/h 43 mph	3990 8798	4570 10077	5145 11345	5725 12624	6300 13892					
		80 km/h 50 mph	3800 8379	4350 9592	4900 10805	5450 12017	6000 13230					
		90 km/h 56 mph	3570 7872	4090 9018	4605 10154	5120 11290	5640 12436					
		100 km/h 62 mph	3230 7122	3700 8159	4165 9184	4630 10209	5100 11246					

	Machine - Utilisation	bar / psi	6 / 87	6.5 / 94	7 / 102	7.5 / 109	8 / 116	8.5 / 123	9 / 131			
X-CRANE +	Cranes and Similar Specialized Machines	0 km/h 0 mph	14350 31642	15030 33141	15700 34619	16350 36052	16970 37419	17590 38786	18180 40087			
		2 km/h Creep 1.2 mph Creep	11650 25688	12200 26901	12740 28092	13270 29260	13780 30385	14280 31487	14760 32546			
		5 km/h 3 mph	10320 22756	10810 23836	11290 24894	11760 25931	12210 26923	12650 27893	13080 28841			
		10 km/h 6 mph	8950 19735	9370 20661	9790 21587	10200 22491	10580 23329	10970 24189	11340 25005			
		30 km/h 19 mph	6160 13583	6450 14222	6730 14840	7010 15457	7280 16052	7550 16648	7800 17199			
		40 km/h 25 mph	5870 12943	6150 13561	6420 14156	6690 14751	6940 15303	7200 15876	7440 16405			
		45 km/h 28 mph	5730 12635	6000 13230	6270 13825	6530 14399	6780 14950	7020 15479	7260 16008			
		50 km/h 31 mph	5590 12326	5850 12899	6110 13473	6370 14046	6610 14575	6850 15104	7080 15611			
		60 km/h 37 mph	5300 11687	5560 12260	5800 12789	6040 13318	6270 13825	6500 14333	6720 14818			
		70 km/h 43 mph	4735 10441	4960 10937	5180 11422	5395 11896	5600 12348	5805 12800	6000 13230			
		80 km/h 50 mph	3885 8566	4065 8963	4250 9371	4425 9757	4590 10121	4760 10496	4920 10849			
		90 km/h 56 mph	3315 7310	3470 7651	3625 7993	3775 8324	3920 8644	4065 8963	4200 9261			
		100 km/h 62 mph	2840 6262	2975 6560	3110 6858	3235 7133	3360 7409	3485 7684	3600 7938			

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65				
XTL A *L2 XH A *L3 XMINE D2 *L5R	Loaders	Front tip.load	5900 13010	6800 14994	7700 16979	8550 18853	9300 20507	10300 22712				
		Front laden	3700 8159	4250 9371	4800 10584	5350 11797	5800 12789	6450 14222				
		Rear unladen	2950 6505	3400 7497	3850 8489	4300 9482	4650 10253	5150 11356				
XTL A *L2 XH A *L3 XMINE D2 *L5R	Graders	All axles	2325 5127	2650 5843	3000 6615							
XMINE D2 *L5R	underground mine machines	All axles	3350 7387	3850 8489	4300 9482	4800 10584	5200 11466	5800 12789				

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
25" CONTINUED											
16.00 R 25 Tubeless											
MICHELIN® XH D1 A E4 ** 123350	28 *17.4*	164 *112*	462 *18.2*	1540 *60.6*	704 *27.7*	4672 *183.9*	43 *54.2*	564 *22.2*	380 *100*	**11.25/2.0** 13.00/2.0	See page 84 to 89
MICHELIN® X-QUARRY E4R ** 692021	16 *9.9*	93 *64*	437 *17.2*	1542 *60.7*	707 *27.8*	4683 *184.4*	48 *60.5*	564 *22.2*	380 *100*		
16.00 R 25 Tubeless											
MICHELIN® XMINE D2 L5R 261025	6 *3.7*		457 *18*	1530 *60.2*	699 *27.5*	4641 *182.7*	73 *92*		320 *85*	**11.25/2.0** 13.00/2.0	See page 84 to 89
445/80 R 25 Tubeless											
MICHELIN® XGC 170E 264520	70 *43.5*		446 *17.6*	1352 *53.2*	625 *24.6*	4119 *162.2*	28 *35.3*		340 *90*	**14.00/1.7 CR** 14.00/1.5	See page 84 to 89
445/80 R 25 Tubeless											
MICHELIN® XL B 170E 757059	70 *43.5*		435 *17.1*	1356 *53.4*	619 *24.4*	4112 *161.9*	26 *32.8*		340 *90*	14.00/1.5 **14.00/1.7 CR**	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar psi	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	7.5 109	8 116
XH D1 A ** E4	Transport	Standard		5000 11025	5450 12017	5900 13010	6400 14112	6850 15104	7300 16097	7550 16648	7750 17089	8000 17640
X-QUARRY ** E4R	Quarry transport	30 km/h 19 mph	5300 11687	5800 12789	6300 13892	6800 14994	7300 16097	7800 17199				

	Machine - Utilisation	bar psi	2 29	3 44	4 58	5 73	6 87	7 102				
XMINE D2 L5R	Loaders	Front tip.load	7650 16868	9850 21719	12000 26460	14200 31311	16300 35942	18550 40903				
		Front laden	4500 9923	5800 12789	7050 15545	8350 18412	9600 21168	10900 24035				
		Rear unladen	3600 7938	4650 10253	5650 12458	6700 14774	7700 16979	8700 19184				
XMINE D2 L5R	underground mine machines	All axles	4050 8930	5200 11466	6350 14002	7500 16538	8650 19073	9800 21609				

	Machine - Utilisation	bar psi	5 73	6 87	7 102							
XGC	Cranes and Similar Specialized Machines	30 km/h 19 mph	5650 12458	6750 14884	7800 17199							
		40 km/h 25 mph	5400 11907	6450 14222	7450 16427							
		50 km/h 31 mph	5150 11356	6150 13561	7100 15656							
		60 km/h 37 mph	5565 12271	6030 13296	6720 14818							
		65 km/h 40 mph	4650 10253	5550 12238	6450 14222							
		70 km/h 43 mph	4350 9592	5200 11466	6000 13230							
		80 km/h 50 mph	3600 7938	4250 9371	4950 10915							
		90 km/h 56 mph	3050 6725	3650 8048	4200 9261							
		100 km/h 62 mph	2650 5843	3150 6946	3600 7938							

	Machine - Utilisation	bar psi	2 29	3 44	4 58	5 73	6 87	7 102				
XL B	Cranes and Similar Specialized Machines	30 km/h 19 mph	2725 6009	3650 8048	4600 10143	5650 12458	6750 14884	7800 17199				
		40 km/h 25 mph	2600 5733	3475 7662	4400 9702	5400 11907	6450 14222	7450 16427				
		50 km/h 31 mph	2475 5457	3300 7277	4150 9151	5150 11356	6150 13561	7100 15656				
		60 km/h 37 mph	2365 5215	3150 6946	3975 8765	5565 12271	6030 13296	6720 14818				
		65 km/h 40 mph	2250 4961	3000 6615	3800 8379	4650 10253	5550 12238	6450 14222				
		70 km/h 43 mph	2100 4631	2800 6174	3550 7828	4350 9592	5200 11466	6000 13230				
		80 km/h 50 mph	1725 3804	2300 5072	2900 6395	3600 7938	4250 9371	4950 10915				
		90 km/h 56 mph	1475 3252	1975 4355	2500 5513	3050 6725	3650 8048	4200 9261				
		100 km/h 62 mph	1250 2756	1675 3693	2150 4741	2650 5843	3150 6946	3600 7938				

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
25" CONTINUED											
445/95 R 25 Tubeless											
MICHELIN® XSNOPLUS E2 177E 123857	70 *43.5*		447 *17.6*	1486 *58.5*	687 *27*	4528 *178.3*	25 *31.5*	513 *20.2*	380 *100*	**11.00/1.7 CR** 11.25/2	See page 84 to 89
445/95 R 25 Tubeless											
MICHELIN® X-CRANE + 174F 738428	80 *49.7*		442 *17.4*	1485 *58.5*	693 *27.3*	4542 *178.8*	25 *31.5*		380 *100*	**11.00/1.7 CR** 11.25/2 DC 635x280 CR	See page 84 to 89
445/95 R 25 Tubeless											
MICHELIN® XL B 177E 282741	70 *43.5*		422 *16.6*	1484 *58.4*	680 *26.8*	4506 *177.4*	29 *36.5*		350 *92*	**11.00/1.7 CR** 11.25/2	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar / psi	5 / 73	6 / 87	7 / 102	8 / 116	9 / 131					
XSNOPLUS E2	Cranes and Similar Specialized Machines	30 km/h 19 mph	**5850** *12899*	**6750** *14884*	**7650** *16868*	**8600** *18963*	**9500** *20948*					
		40 km/h 25 mph	**5600** *12348*	**6450** *14222*	**7300** *16097*	**8200** *18081*	**9050** *19955*					
		50 km/h 31 mph	**5300** *11687*	**6150** *13561*	**6950** *15325*	**7800** *17199*	**8600** *18963*					
		65 km/h 40 mph	**4850** *10694*	**5600** *12348*	**6350** *14002*	**7150** *15766*	**7800** *17199*					
		70 km/h 43 mph	**4500** *9923*	**5200** *11466*	**5900** *13010*	**6600** *14553*	**7300** *16097*					
		80 km/h 50 mph	**3700** *8159*	**4250** *9371*	**4850** *10694*	**5400** *11907*	**6000** *13230*					
		90 km/h 56 mph	**3150** *6946*	**3650** *8048*	**4150** *9151*	**4600** *10143*	**5100** *11246*					
		100 km/h 62 mph	**2700** *5954*	**3120** *6880*	**3550** *7828*	**3950** *8710*	**4400** *9702*					

	Machine - Utilisation	bar / psi	5 / 73	6 / 87	7 / 102	8 / 116	9 / 131					
X-CRANE +	Cranes and Similar Specialized Machines	30 km/h 19 mph	**5340** *11775*	**6095** *13439*	**6850** *15104*	**7615** *16791*	**8375** *18467*					
		40 km/h 25 mph	**4910** *10827*	**5605** *12359*	**6300** *13892*	**7005** *15446*	**7705** *16990*					
		50 km/h 31 mph	**4780** *10540*	**5460** *12039*	**6140** *13539*	**6820** *15038*	**7505** *16549*					
		65 km/h 40 mph	**4590** *10121*	**5240** *11554*	**5890** *12987*	**6545** *14432*	**7205** *15887*					
		70 km/h 43 mph	**4485** *9889*	**5120** *11290*	**5755** *12690*	**6395** *14101*	**7035** *15512*					
		80 km/h 50 mph	**4270** *9415*	**4875** *10749*	**5480** *12083*	**6090** *13428*	**6700** *14774*					
		90 km/h 56 mph	**4015** *8853*	**4580** *10099*	**5150** *11356*	**5725** *12624*	**6300** *13892*					
		100 km/h 62 mph	**3775** *8324*	**4305** *9493*	**4840** *10672*	**5380** *11863*	**5920** *13054*					

	Machine - Utilisation	bar / psi	2 / 29	3 / 44	4 / 58	5 / 73	6 / 87	7 / 102	8 / 116	9 / 131		
XL B	Cranes and Similar Specialized Machines	30 km/h 19 mph	**2925** *6450*	**4100** *9041*	**5000** *11025*	**5850** *12899*	**6750** *14884*	**7650** *16868*	**8600** *18963*	**9500** *20948*		
		40 km/h 25 mph	**2800** *6174*	**3900** *8600*	**4775** *10529*	**5600** *12348*	**6450** *14222*	**7300** *16097*	**8200** *18081*	**9050** *19955*		
		50 km/h 31 mph	**2650** *5843*	**3725** *8214*	**4550** *10033*	**5300** *11687*	**6150** *13561*	**6950** *15325*	**7800** *17199*	**8600** *18963*		
		65 km/h 40 mph	**2400** *5292*	**3375** *7442*	**4125** *9096*	**4850** *10694*	**5600** *12348*	**6350** *14002*	**7150** *15766*	**7800** *17199*		
		70 km/h 43 mph	**2250** *4961*	**3150** *6946*	**3850** *8489*	**4500** *9923*	**5200** *11466*	**5900** *13010*	**6600** *14553*	**7300** *16097*		
		80 km/h 50 mph	**1850** *4079*	**2600** *5733*	**3150** *6946*	**3700** *8159*	**4250** *9371*	**4850** *10694*	**5400** *11907*	**6000** *13230*		
		90 km/h 56 mph	**1575** *3473*	**2200** *4851*	**2700** *5954*	**3150** *6946*	**3650** *8048*	**4150** *9151*	**4600** *10143*	**5100** *11246*		
		100 km/h 62 mph	**1350** *2977*	**1900** *4190*	**2300** *5072*	**2700** *5954*	**3120** *6880*	**3550** *7828*	**3950** *8710*	**4400** *9702*		

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		

25" CONTINUED

17.5 R 25 Tubeless

MICHELIN® XSNOPLUS L2T*TG 123871			**448** *17.6*	**1342** *52.8*	**576** *22.7*	**3977** *156.6*	**28** *35.3*		**333** *88*	14.00/1.5 14.00/1.5 DC 13.00/1.4 DC 14.00/1.3 DC	
MICHELIN® XTL A L2* 123425 (5)	**16** *9.9*		**459** *18.1*	**1337** *52.6*	**574** *22.6*	**3964** *156.1*			**332** *88*	14.00/1.3 DC 14.00/1.5 14.00/1.5 DC	
MICHELIN® XH A L3* 123009			**448** *17.6*	**1340** *52.8*	**580** *22.8*	**3984** *156.9*	**29** *36.5*		**328** *87*	**14.00/1.5** 14.00/1.5 DC 13.00/1.4 DC	
MICHELIN® XHA2 L3*176A2 717546	**16** *9.9*		**459** *18.1*	**1342** *52.8*	**583** *23*	**3995** *157.3*	**29** *36.5*		**325** *11.5*		See page 84 to 89
MICHELIN® XK A L3** 263251	**14** *8.7*		**481** *18.9*	**1346** *53*	**600** *23.6*	**4045** *159.3*	**25** *31.5*		**300** *79*		
MICHELIN® XLD D2 A L5T* 123317	**10** *6.2*		**454** *17.9*	**1406** *55.4*	**619** *24.4*	**4206** *165.6*	**63** *79.4*		**305** *81*		
MICHELIN® XMINE D2 L5** 009071	**6** *3.7*		**480** *18.9*	**1402** *55.2*		**4254** *167.5*	**65** *81.9*		**285** *75*	**14.00/1.5**	
MICHELIN® XSM D2+ L5S** 218365	**4** *2.5*		**456** *18*	**1397** *55*	**641** *25.2*	**4246** *167.2*	**78** *98.3*		**272** *72*		

18.00 R 25 Tubeless

MICHELIN® XS E7 276450 (9)			**492** *19.4*	**1600** *63*	**722** *28.4*	**4831** *190.2*	**21** *26.5*	**641** *25.2*	**532** *141*	**13.00/2.5** 15.00/2.5	See page 84 to 89

18.00 R 25 Tubeless

MICHELIN® XH D1 A E4** 123031	**22** *13.7*	**163** *112*	**525** *20.7*	**1665** *65.6*	**760** *29.9*	**5050** *198.8*	**47** *59.2*	**598** *23.5*	**500** *132*	**13.00/2.5** 15.00/2.5	See page 84 to 89
MICHELIN® XH D1 B E4** 123021	**30** *18.6*	**222** *152*									
MICHELIN® XK D1 A E4** 270680	**18** *11.2*	**133** *91*	**530** *20.9*	**1668** *65.7*	**764** *30.1*	**5064** *199.4*			**495** *131*		
MICHELIN® XHDT A E4 199475	**23** *14.3*	**170** *116*	**496** *19.5*	**1621** *63.8*	**732** *28.8*	**4896** *192.8*		**587** *23.1*	**513** *136*		
MICHELIN® XHDT B E4 714571	**30** *18.6*	**222** *152*									

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar psi	2 29	2.5 36	3 44	3.5 51	4.25 62	4.5 65	5 73	5.5 80	6 87	6.5 94
XSNOPLUS *TG L2T XTL A *L2 XH A *L3 XLD D2 A *L5T	Loader	Front tip.load	7300 16097	8150 17971	9100 20066	10000 22050	11350 25027	11750 25909				
		Front laden	4550 10033	5100 11246	5700 12569	6250 13781	7100 15656	7350 16207				
		Rear unladen	3650 8048	4100 9041	4550 10033	5000 11025	5700 12569	5900 13010				
XK A **L3 XHA2 *L3	Loader	Front tip.load	7300 16097	8150 17971	9100 20066	10000 22050	11350 25027	11750 25909	12700 28004	13600 29988		
		Front laden	4550 10033	5100 11246	5700 12569	6250 13781	7100 15656	7350 16207	7925 17475	8500 18743		
		Rear unladen	3650 8048	4100 9041	4550 10033	5000 11025	5700 12569	5900 13010	6350 14002	6800 14994		
XMINE D2 **L5 XSM D2+ **L5S	Loader	Front tip.load			7540 16626	8650 19073	10000 22050	10400 22932	11360 25049	12000 26460	12800 28224	13600 29988
		Front laden			4750 10474	5450 12017	6250 13781	6500 14333	7100 15656	7500 16538	8000 17640	8500 18743
		Rear unladen			3800 8379	4360 9614	5000 11025	5200 11466	5680 12524	6000 13230	6400 14112	6800 14994
XSNOPLUS *TG L2T XTL A *L2 XH A *L3 XHA2 *L3 XLD D2 A *L5T	Graders	All axles	2800 6174	3250 7166	3650 8048							
XK A **L3 XLD D2 A *L5T	Underground Tansport Machine	All axles			4250 9371	4750 10474	5600 12348	5800 12789	6300 13892	6700 14774		
XMINE D2 **L5	Underground Tansport Machine	All axles			4250 9371	4750 10474	5600 12348	5800 12789	6300 13892	6700 14774	7100 15656	7500 16538

	Machine - Utilisation	bar psi	1 15	1.5 22	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73	6 87
XS E7	Desert conditions 65 km/h max.	Road in single			3250 7166	3900 8600	4500 9923	5050 11135	5600 12348	6250 13781	6850 15104	8000 17640
		Road in twin			2925 6450	3510 7740	4050 8930	4545 10022	5040 11113	5625 12403	6165 13594	7200 15876
		Track in single			3250 7166	4050 8930	4950 10915	5750 12679	6600 14553			
		Track in twin			2925 6450	3645 8037	4455 9823	5175 11411	5940 13098			
		Sand in single	3600 7938	5050 11135	6350 14002							
		Sand in twin	3240 7144	4545 10022	5715 12602							

	Machine - Utilisation	bar psi	4 58	4.25 62	4.5 65	5 73	6 87	7 102	7.5 109			
XH D1 A **E4 XH D1 B **E4 XK D1 A **E4 XHDT A E4 XHDT B E4	Transport	Standard	6800 14994	7100 15656	7400 16317	8000 17640	9250 20396	9850 21719	10150 22381			

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
25" CONTINUED											
18.00 R 25 Tubeless											
MICHELIN® XMINE D2 L5 * 391927	6 *3.7*		536 *21.1*	1656 *65.2*	736 *29*	4971 *195.7*	82 *103.3*		460 *122*		
MICHELIN® XSM D2+ L5S * 686348	4 *2.5*		507 *20*	1655 *65.2*	743 *29.3*	4988 *196.4*	96 *120.9*		440 *116*	**13.00/2.5** 15.00/2.5	See page 84 to 89
MICHELIN® XSM D2+ LC L5S * 694482	6 *3.7*		509 *20*	1612 *63.5*	723 *28.5*	4856 *191.2*	78 *98.3*		437 *115*		
18.00 R 25 Tubeless											
MICHELIN® XV C E2 186E 123491 (8, 9)	50 *31.1*	284 *195*	496 *19.5*	1622 *63.9*	743 *29.3*	4925 *193.9*	26 *32.8*	641 *25.2*	563 *149*	**13.00/2.5** 15.00/2.5	See page 84 to 89
505/95 R 25 Tubeless											
MICHELIN® XVC 183E 565628 (9)	50 *31.1*	284 *195*	498 *19.6*	1610 *63.4*	743 *29.3*	4902 *193*	26 *32.8*		576 *152*	10.0/2.0 **13.00/2.5** 15.00/2.5	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar / psi	3 / 44	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	7 / 102	7.5 / 109	8 / 116	8.25 / 120
XMINE D2 **L5 XSM D2+ **L5S XSM D2+ LC L5S **	Loader	Front tip.load		15725 *34674*	17000 *37485*	18530 *40859*	20060 *44232*	21250 *46856*	23800 *52479*	25500 *56228*	26450 *58322*	27200 *59976*
		Front laden		9250 *20396*	10000 *22050*	10900 *24035*	11800 *26019*	12500 *27563*	14000 *30870*	15000 *33075*	15550 *34288*	16000 *35280*
		Rear unladen		7400 *16317*	8000 *17640*	8720 *19228*	9450 *20837*	10000 *22050*	11200 *24696*	12000 *26460*	12450 *27452*	12800 *28224*
XMINE D2 **L5	Underground Tansport Machine	All axles	6700 *14774*	8250 *18191*	9000 *19845*	9750 *21499*	10600 *23373*	11200 *24696*	12500 *27563*	13200 *29106*	14000 *30870*	14200 *31311*

	Machine - Utilisation	bar / psi	2 / 29	3 / 44	4 / 58	5 / 73	6 / 87	7 / 102	7.5 / 109	8 / 116	9 / 131	
XV C E2	Cranes and Similar Specialized Machines	30 km/h 19 mph	3700 *8159*	5200 *11466*	6300 *13892*	7400 *16317*	8650 *19073*	9900 *21830*	10500 *23153*	11100 *24476*	12400 *27342*	
		40 km/h 25 mph	3525 *7773*	4950 *10915*	6000 *13230*	7050 *15545*	8250 *18191*	9400 *20727*	10000 *22050*	10600 *23373*	11800 *26019*	
		50 km/h 31 mph	3375 *7442*	4725 *10419*	5700 *12569*	6750 *14884*	7850 *17309*	8950 *19735*	9525 *21003*	10100 *22271*	11200 *24696*	
		65 km/h 40 mph	3050 *6725*	4275 *9426*	5200 *11466*	6100 *13451*	7100 *15656*	8150 *17971*	8650 *19073*	9150 *20176*	10200 *22491*	
		70 km/h 43 mph	2850 *6284*	4000 *8820*	4850 *10694*	5700 *12569*	6650 *14663*	7600 *16758*	8075 *17805*	8550 *18853*	9500 *20948*	
		80 km/h 50 mph	2325 *5127*	3275 *7221*	3975 *8765*	4675 *10308*	5450 *12017*	6250 *13781*	6625 *14608*	7000 *15435*	7800 *17199*	
		90 km/h 56 mph	2000 *4410*	2800 *6174*	3400 *7497*	4000 *8820*	4650 *10253*	5300 *11687*	5650 *12458*	6000 *13230*	6650 *14663*	
		100 km/h 62 mph	1700 *3749*	2400 *5292*	2900 *6395*	3400 *7497*	4000 *8820*	4550 *10033*	4750 *10474*	5150 *11356*	5700 *12569*	

	Machine - Utilisation	bar / psi	5 / 73	6 / 87	7 / 102	8 / 116	9 / 131					
XVC	Cranes and Similar Specialized Machines	30 km/h 19 mph	6435 *14189*	7670 *16912*	8905 *19636*	10140 *22359*	11375 *25082*					
		40 km/h 25 mph	6140 *13539*	7315 *16130*	8495 *18731*	9670 *21322*	10850 *23924*					
		50 km/h 31 mph	5840 *12877*	6960 *15347*	8085 *17827*	9205 *20297*	10325 *22767*					
		60 km/h 37 mph	5545 *12227*	6610 *14575*	7670 *16912*	8730 *19250*	9800 *21609*					
		65 km/h 40 mph	5245 *11565*	6255 *13792*	7260 *16008*	8270 *18235*	9275 *20451*					
		70 km/h 43 mph	4950 *10915*	5900 *13010*	6850 *15104*	7800 *17199*	8750 *19294*					
		80 km/h 50 mph	4060 *8952*	4840 *10672*	5615 *12381*	6390 *14090*	7175 *15821*					
		90 km/h 56 mph	3465 *7640*	4130 *9107*	4795 *10573*	5460 *12039*	6125 *13506*					
		100 km/h 62 mph	2970 *6549*	3540 *7806*	4110 *9063*	4680 *10319*	5250 *11576*					

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		

25" CONTINUED

20.5 R 25 Tubeless

MICHELIN® XADN E3T **177B 123407	28 *17.4*	164 *112*	528 *20.8*	1490 *58.7*	667 *26.3*	4485 *176.6*	36 *45.4*		474 *125*	**17.00/2.0**	See page 84 to 89

20.5 R 25 Tubeless

MICHELIN® XSNOPLUS L2T* 123795			534 *21*	1471 *57.9*	632 *24.9*	4362 *171.7*	31 *39.1*		500 *132*		
MICHELIN® XTL A L2* 123435 (5)	16 *9.9*		532 *20.9*	1480 *58.3*	637 *25.1*	4391 *172.9*					
MICHELIN® XHA2 L3*186A2 899613			528 *20.8*	1486 *58.5*	644 *25.4*	4420 *174*	33 *41.6*		489 *129*		
MICHELIN® XK A L3** 263460	14 *8.7*		560 *22*		655 *25.8*	4447 *175.1*	28 *35.3*		485 *128*	17.00/2.0 **17.00/1.7**	See page 84 to 89
MICHELIN® XLD D2 A L5T* 123325	10 *6.2*		534 *21*	1530 *60.2*	674 *26.5*	4578 *180.2*	72 *90.7*		427 *113*		
MICHELIN® XMINE D2 L5** 353968	6 *3.7*		562 *22.1*	1535 *60.4*	701 *27.6*	4656 *183.3*	74 *93.2*		447 *118*		
MICHELIN® XLDN L3* 944959	16 *9.9*		525 *20.7*	1483 *58.4*	640 *25.2*	4405 *173.4*	31 *39.1*		495 *131*		

525/80 R 25 Tubeless

MICHELIN® X-CRANE + 176F 086926	80 *49.7*		528 *20.8*	1482 *58.3*	682 *26.9*	4508 *177.5*	28 *35.3*		500 *132*	17.00/2.0 **17.00/1.7 CR**	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar psi	2 29	2.5 36	3 44	3.5 51	4 58	4.25 62	4.5 65			
XADN **E3T	Articulated dumpers	Standard	4750 10474	5250 11576	5750 12679	6250 13781	6800 14994	7050 15545	7300 16097			

	Machine - Utilisation	bar psi	2 29	2.5 36	3 44	3.5 51	4.25 62	4.5 65	5 73	5.5 80	6 87	6.5 94
XSNOPLUS *L2T **XTL A *L2** **XHA2 *L3** **XLD D2 A *L5T** **XLDN L3***	Loader	Front tip.load	10000 22050	11150 24586	12300 27122	13450 29657	15200 33516	15850 34949				
		Front laden	6250 13781	7000 15435	7700 16979	8400 18522	9500 20948	9900 21830				
		Rear unladen	5000 11025	5600 12348	6150 13561	6700 14774	7600 16758	7900 17420				
XK A **L3	Loader	Front tip.load	10000 22050	11150 24586	12300 27122	13450 29657	15200 33516	15850 34949	17130 37772	18400 40572		
		Front laden	6250 13781	7000 15435	7700 16979	8400 18522	9500 20948	9900 21830	10700 23594	11500 25358		
		Rear unladen	5000 11025	5600 12348	6150 13561	6700 14774	7600 16758	7900 17420	8550 18853	9180 20242		
XMINE D2 **L5	Loader	Front tip.load			10080 22226	11360 25049	13440 29635	14000 30870	15200 33516	16000 35280	17440 38455	18400 40572
		Front laden			6300 13892	7100 15656	8400 18522	8750 19294	9500 20948	10000 22050	10900 24035	11500 25358
		Rear unladen			5040 11113	5680 12524	6700 14774	7000 15435	7600 16758	8000 17640	8720 19228	9200 20286
XSNOPLUS *L2T **XTL A *L2** **XHA2 *L3** **XLD D2 A *L5T**	Graders	All axles	3600 7938	4125 9096	4625 10198							
XK A **L3 **XLD D2 A *L5T**	Underground Tansport Machine	All axles			5600 12348	6300 13892	7300 16097	7750 17089	8250 18191	9000 19845		
XMINE D2 **L5	Underground Tansport Machine	All axles			5600 12348	6300 13892	7300 16097	7750 17089	8250 18191	9000 19845	9500 20948	10000 22050

	Machine - Utilisation	bar psi	5 73	6 87	7 102							
X-CRANE +	Cranes and Similar Specialized Machines	30 km/h 19 mph	6700 14774	7700 16979	8900 19625							
		40 km/h 25 mph	6150 13561	7100 15656	8200 18081							
		50 km/h 31 mph	6000 13230	6900 15215	8000 17640							
		60 km/h 37 mph	5900 13010	6800 14994	7850 17309							
		65 km/h 40 mph	5750 12679	6650 14663	7650 16868							
		70 km/h 43 mph	5650 12458	6500 14333	7500 16538							
		80 km/h 50 mph	5350 11797	6150 13561	7100 15656							
		90 km/h 56 mph	5050 11135	5800 12789	6700 14774							
		100 km/h 62 mph	4550 10033	5250 11576	6050 13340							

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		

25" CONTINUED

525/80 R 25 Tubeless

MICHELIN® XL B 179E 758060	**70** *43.5*		**513** *20.2*	**1486** *58.5*	**678** *26.7*	**4505** *177.4*	**24** *30.2*		**478** *126*	17.00/2.0 **17.00/1.7 CR**	See page 84 to 89

21.00 R 25 Tubeless

MICHELIN® XS E7 276670 (9)			**558** *22*	**1750** *68.9*	**767** *30.2*	**5226** *205.7*	**19** *23.9*		**700** *185*	**15.00/3.0**	See page 84 to 89

21.00 R 25 Tubeless

MICHELIN® XK A L3 ** 270850	**14** *8.7*		**609** *24*	**1768** *69.6*	**800** *31.5*	**5343** *210.4*	**33** *41.6*		**700** *185*	**15.00/3.0** 17.00/3.0	See page 84 to 89

21.00 R 25 Tubeless

MICHELIN® XK A L3 ** 270850	**14** *8.7*		**609** *24*	**1768** *69.6*	**800** *31.5*	**5343** *210.4*	**33** *41.6*		**700** *185*	**15.00/3.0** 17.00/3.0	See page 84 to 89

550/65 R 25 Tubeless

MICHELIN® XLD 65 L3T * 123570	**16** *9.9*		**549** *21.6*	**1400** *55.1*	**600** *23.6*	**4147** *163.3*	**32** *40.3*		**450** *119*	17.00/2.0 17.00/1.7	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation		bar	2	3	4	5	6	7				
			psi	29	44	58	73	87	102				
XL B	Cranes and Similar Specialized Machines	30 km/h 19 mph		3700 8159	4950 10915	6200 13671	7500 16538	8800 19404	10100 22271				
		40 km/h 25 mph		3525 7773	4700 10364	5900 13010	7150 15766	8350 18412	9600 21168				
		50 km/h 31 mph		3375 7442	4475 9867	5600 12348	6800 14994	7950 17530	9150 20176				
		65 km/h 40 mph		3050 6725	4075 8985	5100 11246	6150 13561	7200 15876	8300 18302				
		70 km/h 43 mph		2850 6284	3800 8379	4750 10474	5750 12679	6750 14884	7750 17089				
		80 km/h 50 mph		2325 5127	3125 6891	3900 8600	4725 10419	5550 12238	6350 14002				
		90 km/h 56 mph		2000 4410	2650 5843	3350 7387	4050 8930	4750 10474	5450 12017				
		100 km/h 62 mph		1700 3749	2275 5016	2850 6284	3450 7607	4050 8930	4650 10253				

	Machine - Utilisation		bar	1	1.5	2	2.5	3	3.5	4	4.5	5	6
			psi	15	22	29	36	44	51	58	65	73	87
XS E7	Desert conditions 65 km/h max.	Road in single		2500 5513	3050 6725	3750 8269	4500 9923	5250 11576	6000 13230	6650 14663	7350 16207	8050 17750	9500 20948
		Road in twin		2250 4961	2745 6053	3375 7442	4050 8930	4725 10419	5400 11907	6435 14189	6615 14586	7245 15975	8550 18853
		Track in single		2750 6064	3750 8269	4750 10474	5800 12789	6800 14994	7800 17199				
		Track in twin		2475 5457	3375 7442	4275 9426	5220 11510	6120 13495	7020 15479				
		Sand in single		4250 9371	6000 13230	7600 16758							
		Sand in twin		3825 8434	5400 11907	6840 15082							

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.5	7	7.5	8	
			psi	58	65	73	80	87	94	102	109	116	
XK A **L3	Transport	Standard		8350 18412	9100 20066	9850 21719	10600 23373	11400 25137	12150 26791	12550 27673	12925 28500	13300 29327	

	Machine - Utilisation		bar	2	3	4	5	6	7	8			
			psi	29	44	58	73	87	102	116			
XK A **L3	underground mine machines	All axles		6600 14553	8500 18743	10400 22932	12300 27122	14250 31421	15650 34508	16600 36603			

	Machine - Utilisation		bar	2	2.25	2.5	3	3.25	3.5	4	4.25	4.5	5
			psi	29	33	36	44	47	51	58	62	65	73
XLD 65 *L3T	Loaders	Front tip.load		7850 17309	8575 18908	9300 20507	10700 23594	11440 25225	12150 26791	13600 29988	14320 31576	15040 33163	16480 36338
		Front laden		4900 10805	5350 11797	5800 12789	6700 14774	7150 15766	7600 16758	8500 18743	8950 19735	9400 20727	10300 22712
		Rear unladen		3925 8655	4290 9459	4650 10253	5350 11797	5720 12613	6075 13395	6800 14994	7165 15799	7525 16593	8250 18191
XLD 65 *L3T	Graders	All axles		2940 6483	3210 7078	3480 7673	4020 8864	4290 9459	4560 10055	5100 11246			

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)

25" CONTINUED

23.5 R 25 Tubeless

MICHELIN® XADN+ E3 **185B 295773	28 *17.4*	207 *142*	602 *23.7*	1598 *62.9*	721 *28.4*	4824 *189.9*	38 *47.9*		702 *185*		
MICHELIN® XADN E3T **185B 123417 (8)	28 *17.4*		601 *23.7*	1612 *63.5*	719 *28.3*	4846 *190.8*	38 *47.9*		654 *173*		
MICHELIN® XTRA DEFEND E4 **185B 923499 (7)		192 *132*	615 *24.2*	1628 *64.1*	731 *29*	4906 *193*	54 *68*		658 *174*	**19.50/2.5**	See page 84 to 89
MICHELIN® X-SUPER TERRAIN+ E4 **185B 002583	26 *16.2*		607 *23.9*	1614 *63.5*	725 *28.5*	4864 *191.5*	51 *64.3*		652 *172*		
MICHELIN® X-SUPER TERRAIN AD E4T **185B 769360			603 *23.7*	1623 *63.9*	728 *28.7*	4890 *192.5*			650 *172*		

23.5 R 25 Tubeless

MICHELIN® XSNOPLUS L2T * 460452			603 *23.7*	1610 *63.4*	687 *27*	4761 *187.4*	34 *42.8*		670 *177*		
MICHELIN® XTL A L2 * 123445 (5)	16 *9.9*		596 *23.5*	1614 *63.5*	686 *27*	4766 *187.6*			680 *180*		
MICHELIN® XHA2 L3 *195A2 139147			599 *23.6*	1612 *63.5*	690 *27.2*	4773 *187.9*	36 *45.4*		672 *178*		
MICHELIN® XK A L3 ** 263670 (12)	14 *8.7*		632 *24.9*	1611 *63.4*	702 *27.6*	4802 *189.1*	30 *37.8*		635 *168*		
MICHELIN® XLD D2 A L5T * 123326	10 *6.2*		612 *24.1*	1662 *65.4*	722 *28.4*	4947 *194.8*	77 *97*		600 *159*	**19.50/2.5**	See page 84 to 89
MICHELIN® XMINE D2 L5 ** 199408	6 *3.7*		637 *25.1*	1656 *65.2*	751 *29.6*	5009 *197.2*	83 *104.6*		590 *156*		
MICHELIN® XMINE D2 L5R * 266931 (8)					707 *27.8*	4898 *192.8*					
MICHELIN® XLDN L3* 387171	16 *9.9*		600 *23.6*	1609 *63.3*	682 *26.9*	4748 *186.9*	34 *42.8*		660 *174*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar psi	2 29	2.5 36	3 44	3.5 51	3.75 54	4 58	4.5 65	5 73	5.5 80	
XADN **E3T ***X-SUPER TERRAIN AD **E4T*** ***XTRA DEFEND **E4***	Articulated dumpers	Standard	**5650** *12458*	**6380** *14068*	**7100** *15656*	**7800** *17199*	**8175** *18026*	**8550** *18853*	**9250** *20396*	**9950** *21940*	**10350** *22822*	
XADN+ **E3 ***X-SUPER TERRAIN+ **E4***	Articulated dumpers	Standard	**4930** *10871*	**5650** *12458*	**6380** *14068*	**7100** *15656*	**7450** *16427*	**7800** *17199*	**8550** *18853*	**9250** *20396*		

	Machine - Utilisation	bar psi	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94
XSNOPLUS *L2T ***XTL A *L2*** ***XHA2 *L3*** ***XLD D2 A *L5T*** ***XMINE D2 *L5R*** ***XLDN *L3***	Loader	Front tip.load	**12950** *28555*	**14550** *32083*	**16250** *35831*	**17850** *39359*	**19450** *42887*					
		Front laden	**8100** *17861*	**9100** *20066*	**10150** *22381*	**11150** *24586*	**12150** *26791*					
		Rear unladen	**6500** *14333*	**7300** *16097*	**8100** *17861*	**8900** *19625*	**9700** *21389*					
XK A **L3	Loader	Front tip.load	**12950** *28555*	**14550** *32083*	**16250** *35831*	**17850** *39359*	**19450** *42887*	**21350** *47077*	**22230** *49017*	**23200** *51156*		
		Front laden	**8100** *17861*	**9100** *20066*	**10150** *22381*	**11150** *24586*	**12150** *26791*	**13350** *29437*	**13900** *30650*	**14500** *31973*		
		Rear unladen	**6500** *14333*	**7300** *16097*	**8100** *17861*	**8900** *19625*	**9700** *21389*	**10700** *23594*	**11160** *24608*	**11600** *25578*		
XMINE D2 **L5	Loader	Front tip.load			**13200** *29106*	**14800** *32634*	**16480** *36338*	**17920** *39514*	**19440** *42865*	**20560** *45335*	**21760** *47981*	**23200** *51156*
		Front laden			**8250** *18191*	**9250** *20396*	**10300** *22712*	**11200** *24696*	**12150** *26791*	**12850** *28334*	**13600** *29988*	**14500** *31973*
		Rear unladen			**6600** *14553*	**7400** *16317*	**8240** *18169*	**8960** *19757*	**9720** *21433*	**10280** *22667*	**10880** *23990*	**11600** *25578*
XSNOPLUS *L2T ***XTL A *L2*** ***XHA2 *L3*** ***XLD D2 A *L5T***	Graders	All axles	**4875** *10749*	**5425** *11962*	**6000** *13230*							
XK A **L3 ***XLD D2 A *L5T*** ***XMINE D2 *L5R***	Underground Tansport Machine	All axles			**7300** *16097*	**8250** *18191*	**9000** *19845*	**9750** *21499*	**10600** *23373*	**11500** *25358*		
XMINE D2 **L5	Underground Tansport Machine	All axles			**7300** *16097*	**8250** *18191*	**9000** *19845*	**9750** *21499*	**10600** *23373*	**11500** *25358*	**12150** *26791*	**12850** *28334*

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
25" CONTINUED											
23.5 R 25 Tubeless											
MICHELIN® XL B E2 188E 123474	70 *43.5*		598 *23.5*	1619 *63.7*	738 *29.1*	4905 *193.1*	27 *34*		700 *185*	**19.50/2.5**	See page 84 to 89
600/65 R 25 Tubeless											
MICHELIN® XLD 65 L3T* 063799	16 *9.9*		622 *24.5*	1429 *56.3*	617 *24.3*	4246 *167.2*	34 *42.8*		484 *128*	17.00/1.7 17.00/2.0 **19.50/2.5**	See page 84 to 89
650/65 R 25 Tubeless											
MICHELIN® XAD 65-1 SUPER E3T **180B 840573	28 *17.4*	179 *123*	630 *24.8*	1494 *58.8*	669 *26.3*	4498 *177.1*	40 *50.4*		595 *157*	**19.50/2.5** 22.00/3.0	See page 84 to 89
650/65 R 25 Tubeless											
MICHELIN® XLD 65 L3T* 123820	16 *9.9*		634 *25*	1498 *59*	637 *25.1*	4425 *174.2*	37 *46.6*		596 *157*	**19.50/2.5**	See page 84 to 89
26.5 R 25 Tubeless											
MICHELIN® XADN+ E3 **193B 154324	28 *17.4*	258 *177*	687 *27*	1726 *68*	773 *30.4*	5196 *204.6*	41 *51.7*		908 *240*	22.00/3.0 IF **22.00/3.0**	See page 84 to 89
MICHELIN® XADN E3T **193B 123427 (8)	28 *17.4*		675 *26.6*	1728 *68*	769 *30.3*	5190 *204.3*	41 *51.7*		900 *238*		
MICHELIN® X-SUPER TERRAIN+ E4 **193B 039476	24 *14.9*	221 *151*	691 *27.2*	1749 *68.9*	783 *30.8*	5266 *207.3*	54 *68*		862 *228*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar / psi	2 29	3 44	4 58	5 73	6 87	7 102				
XL B E2	Cranes and Similar Specialized Machines	30 km/h 19 mph	4750 10474	6350 14002	7950 17530	9600 21168	11300 24917	13000 28665				
		40 km/h 25 mph	4550 10033	6050 13340	7550 16648	9200 20286	10800 23814	12400 27342				
		50 km/h 31 mph	4325 9537	5750 12679	7200 15876	8750 19294	10300 22712	11800 26019				
		65 km/h 40 mph	3925 8655	5200 11466	6550 14443	7900 17420	9300 20507	10700 23594				
		70 km/h 43 mph	3660 8070	4880 10760	6100 13451	7400 16317	8700 19184	10000 22050				
		80 km/h 50 mph	3000 6615	4000 8820	5000 11025	6050 13340	7150 15766	8200 18081				
		90 km/h 56 mph	2550 5623	3425 7552	4250 9371	5200 11466	6100 13451	7000 15435				
		100 km/h 62 mph	2100 4631	2925 6450	3650 8048	4400 9702	5200 11466	6000 13230				

	Machine - Utilisation	bar / psi	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73			
XLD 65 *L3T	Loaders	Front tip.load	9040 19933	10680 23549	12320 27166	13960 30782	15600 34398	17160 37838	18720 41278			
		Front laden	5650 12458	6675 14718	7700 16979	8725 19239	9750 21499	10725 23649	11700 25799			
		Rear unladen	4520 9967	5340 11775	6160 13583	6980 15391	7800 17199	8580 18919	9360 20639			
XLD 65 *L3T	Graders	All axles	3390 7475	4005 8831	4600 10143							

	Machine - Utilisation	bar / psi	2.5 36	3 44	3.5 51	4 58						
XAD 65-1 **SUPER E3T	Articulated dumpers	Standard	5450 12017	6300 13892	7150 15766	8000 17640						

	Machine - Utilisation	bar / psi	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73			
XLD 65 *L3T	Loaders	Front tip.load	10800 23814	12700 28004	14600 32193	16500 36383	18400 40572	20300 44762	22200 48951			
		Front laden	6700 14774	7900 17420	9100 20066	10300 22712	11500 25358	12700 28004	13900 30650			
		Rear unladen	5400 11907	6350 14002	7300 16097	8250 18191	9200 20286	10150 22381	11100 24476			
XLD 65 *L3T	Graders	All axles	4100 9041	4800 10584	5500 12128	6200 13671	6900 15215	7600 16758	8300 18302			

	Machine - Utilisation	bar / psi	2 29	2.5 36	3 44	3.25 47	3.5 51	4 58	4.5 65	5 73		
XADN **E3T	Articulated dumpers	Standard	6500 14333	7500 16538	8500 18743	9000 19845	9500 20948	10500 23153	11500 25358			
XADN+ **E3 **X-SUPER TERRAIN+ **E4**	Articulated dumpers	Standard		6500 14333	7500 16538	8000 17640	8500 18743	9500 20948	10500 23153	11500 25358		

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		

25" CONTINUED

26.5 R 25 Tubeless

MICHELIN® XHA2 L3 **209A2 893825	16 *9.9*		678 *26.7*	1732 *68.2*	740 *29.1*	5125 *201.8*	41 *51.7*		879 *232*	22.00/3.0 IF **22.00/3.0**	See page 84 to 89
MICHELIN® XK A L3 ** 273360 (8, 12)	14 *8.7*		714 *28.1*	1734 *68.3*	763 *30*	5186 *204.2*	35 *44.1*		855 *226*		
MICHELIN® XSM DN L3S 123022 (9)	10 *6.2*		724 *28.5*	1726 *68*	770 *30.3*	5189 *204.3*	48 *60.5*		890 *235*		
MICHELIN® XLD D1 A L4R * 123495	14 *8.7*		690 *27.2*	1803 *71*	780 *30.7*	5360 *211*	53 *66.8*		947 *250*		
MICHELIN® XLD D2 A L5T * 123094	10 *6.2*		687 *27*	1800 *70.9*	778 *30.6*	5348 *210.6*	87 *109.6*		825 *218*		
MICHELIN® XMINE D2 L5 ** 164572	6 *3.7*		718 *28.3*	1795 *70.7*	807 *31.8*	5413 *213.1*	91 *114.6*		812 *215*		
MICHELIN® XMINE D2 L5R * 273400 (8)				1794 *70.6*	751 *29.6*	5269 *207.4*			820 *217*		
MICHELIN® XSM D2+ L5S ** 995669	4 *2.5*		692 *27.2*	1790 *70.5*	806 *31.7*	5400 *212.6*	102 *128.5*		771 *204*		

26.5 R 25 Tubeless

MICHELIN® XSM DN+ L3S *** 569259	10 *6.2*		704 *27.7*	1727 *68*	770 *30.3*	5192 *204.4*	44 *55.4*		836 *221*	22.00/3.0 IF **22.00/3.0**	See page 84 to 89

26.5 R 25 Tubeless

MICHELIN® XTXL E4 ****L4 * 214A2** 039149	14 *8.7* if load per tire ≤ 18.5 t	180 *123*	687 *27*	1722 *67.8*	755 *29.7*	5143 *202.5*	54 *68*		789 *208*	**22.00/3.0** 22.00/3.0 IF	See page 84 to 89
	12 *7.5* if load per tire > 18.5 t										
MICHELIN® XTXL E4 **** 321951					763 *30*	5164 *203.3*			817 *216*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation	bar psi	2 29	2.5 36	3 44	3.5 51	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94
XSM DN L3S XLD D1 A *L4R XLD D2 A *L5T XMINE D2 *L5R	Loader	Front tip.load	13000 28665	14400 31752	17000 37485	19050 42005	21000 46305	22600 49833	24300 53582	25900 57110		
		Front laden	9300 20507	10300 22712	12150 26791	13600 29988	15000 33075	16150 35611	17350 38257	18500 40793		
		Rear unladen	7450 16427	8250 18191	9700 21389	10900 24035	12000 26460	12900 28445	13900 30650	14800 32634		
XHA2 **L3	Loader	Front tip.load	13000 28665	14400 31752	17000 37485	19050 42005	21000 46305	22600 49833	24300 53582	25900 57110		
		Front laden	9300 20507	10300 22712	12150 26791	13600 29988	15000 33075	16150 35611	17350 38257	18500 40793		
		Rear unladen	7450 16427	8250 18191	9700 21389	10900 24035	12000 26460	12900 28445	13900 30650	14800 32634		
XK A **L3 XMINE D2 **L5 XSM D2+ **L5S	Loader	Front tip.load			14420 31796	16100 35501	17990 39668	19600 43218	21000 46305	22400 49392	23800 52479	25900 57110
		Front laden			10300 22712	11500 25358	12850 28334	14000 30870	15000 33075	16000 35280	17000 37485	18500 40793
		Rear unladen			8240 18169	9200 20286	10280 22667	11200 24696	12000 26460	12800 28224	13600 29988	14800 32634
XHA2 **L3	Graders	All axles	5400 11907	6400 14112	7500 16538							
XSM DN L3S XLD D1 A *L4R XLD D2 A *L5T XMINE D2 *L5R	Underground Tansport Machine	All axles			9000 19845	10300 22712	11200 24696	12500 27563	13200 29106	14500 31973		
XK A **L3 XMINE D2 **L5	Underground Tansport Machine	All axles			9000 19845	10300 22712	11200 24696	12500 27563	13200 29106	14500 31973	15500 34178	16500 36383

	Machine - Utilisation	bar psi	3 44	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	7.5 109	8 116
XSM DN+ ***L3S	Loader	Front tip.load	12750 28114	16700 36824	17750 39139	19600 43218	21100 46526	22750 50164	24250 53471	25950 57220	27750 61189	29680 65444
		Front laden	10300 22712	12850 28334	14000 30870	15000 33075	16000 35280	17000 37485	18500 40793	19500 42998	20600 45423	21200 46746
		Rear unladen	9100 20066	10600 23373	11450 25247	12300 27122	13100 28886	13800 30429	14650 32303	15400 33957	16200 35721	16850 37154

	Machine - Utilisation	bar psi	3 44	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	7.5 109	8 116
XTXL E4 ****L4 ***	Loader load per tire ≤ 18.5 t	Front tip.load	14420 31796	17990 39668	19600 43218	21000 46305	22400 49392	23800 52479	25900 57110			
		Front laden	10300 22712	12850 28334	14000 30870	15000 33075	16000 35280	17000 37485	18500 40793			
		Rear unladen	8240 18169	10280 22667	11200 24696	12000 26460	12800 28224	13600 29988	14800 32634			
XTXL E4 ****L4 ***	Loader load per tire > 18.5 t	Front tip.load								27300 60197	28840 63592	29680 65444
		Front laden								19500 42998	20600 45423	21200 46746
		Rear unladen								15600 34398	16480 36338	16960 37397
XTXL E4 ****L4 *** XTXL ****E4	Underground Tansport Machine	All axles	9000 19845	11200 24696	12500 27563	13200 29106	14500 31973	15500 34178	16500 36383	17000 37485	18000 39690	19000 41895

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		

25" CONTINUED

26.5 R 25 Tubeless

MICHELIN® XL B E2 195E 123484	70 *43.5*		670 *26.4*	1752 *69*	800 *31.5*	5313 *209.2*	30 *37.8*		860 *227*	22.00/3.0	See page 84 to 89

29.5 R 25 Tubeless

MICHELIN® XADN+ E3 **200B 597428	28 *17.4*	314 *215*	767 *30.2*	1858 *73.1*	826 *32.5*	5578 *219.6*	44 *55.4*		1221 *323*	25.00/3.5	See page 84 to 89
MICHELIN® X-SUPER TERRAIN+ E4 **200B 973483	22 *13.7*	246 *169*	769 *30.3*	1869 *73.6*	836 *32.9*	5625 *221.5*	60 *75.6*		1152 *304*		

29.5 R 25 Tubeless

MICHELIN® XHA2 L3 **216A2 961307	16 *9.9*		747 *29.4*	1860 *73.2*	795 *31.3*	5504 *216.7*	43 *54.2*		1177 *311*	25.00/3.5	See page 84 to 89
MICHELIN® XK A L3 ** 273560 (8, 12)	14 *8.7*		793 *31.2*	1862 *73.3*	802 *31.6*	5525 *217.5*	38 *47.9*		1145 *303*		
MICHELIN® XLD D1 A L4R * 123741			769 *30.3*	1906 *75*	821 *32.3*	5656 *222.7*	58 *73.1*		1171 *309*		
MICHELIN® XLD D2 A L5T * 123278	10 *6.2*		762 *30*	1900 *74.8*		5645 *222.2*	95 *119.7*		985 *260*		
MICHELIN® XMINE D2 L5 ** 221069	6 *3.7*		804 *31.7*	1903 *74.9*	850 *33.5*	5725 *225.4*	99 *124.7*		980 *259*		
MICHELIN® XMINE D2 L5R 273527 (8)				1900 *74.8*	838 *33*	5688 *223.9*	100 *126*		988 *261*		

29.5 R 25 Tubeless

MICHELIN® XS SAND E7 **196E 458236 (9)			747 *29.4*	1820 *71.7*	796 *31.3*	5431 *213.8*	22 *27.7*		1200 *317*	25.00/3.5	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation		bar	2	3	4	5	6	7				
			psi	*29*	*44*	*58*	*73*	*87*	*102*				
XL B E2	Cranes and Similar Specialized Machines	30 km/h 19 mph		5850 *12899*	7800 *17199*	9750 *21499*	11800 *26019*	13800 *30429*	15800 *34839*				
		40 km/h 25 mph		5600 *12348*	7450 *16427*	9300 *20507*	11200 *24696*	13100 *28886*	15100 *33296*				
		50 km/h 31 mph		5300 *11687*	7100 *15656*	8850 *19514*	10700 *23594*	12500 *27563*	14300 *31532*				
		65 km/h 40 mph		4825 *10639*	6400 *14112*	8050 *17750*	9700 *21389*	11300 *24917*	13000 *28665*				
		70 km/h 43 mph		4500 *9923*	6000 *13230*	7500 *16538*	9050 *19955*	10600 *23373*	12150 *26791*				
		80 km/h 50 mph		3700 *8159*	4925 *10860*	6150 *13561*	7400 *16317*	8700 *19184*	9950 *21940*				
		90 km/h 56 mph		3150 *6946*	4200 *9261*	5250 *11576*	6350 *14002*	7400 *16317*	8400 *18522*				
		100 km/h 62 mph		2700 *5954*	3600 *7938*	4500 *9923*	5450 *12017*	6350 *14002*	7300 *16097*				

	Machine - Utilisation		bar	2.5	3	3.25	3.5	4	4.5	5			
			psi	*36*	*44*	*47*	*51*	*58*	*65*	*73*			
XADN+ **E3 **X-SUPER TERRAIN+ **E4**	Articulated dumpers	Standard		7800 *17199*	9050 *19955*	9675 *21333*	10300 *22712*	11500 *25358*	12750 *28114*	14000 *30870*			

	Machine - Utilisation		bar	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
			psi	*29*	*36*	*44*	*51*	*58*	*65*	*73*	*80*	*87*	*94*
XLD D1 A *L4R **XLD D2 A *L5T** **XMINE D2 L5R**	Loader	Front tip.load		15600 *34398*	17200 *37926*	20450 *45092*	22800 *50274*	25200 *55566*	27250 *60086*	29350 *64717*	31350 *69127*		
		Front laden		11150 *24586*	12300 *27122*	14600 *32193*	16300 *35942*	18000 *39690*	19450 *42887*	20950 *46195*	22400 *49392*		
		Rear unladen		8900 *19625*	9850 *21719*	11700 *25799*	13050 *28775*	14400 *31752*	15550 *34288*	16750 *36934*	17900 *39470*		
XHA2 **L3 **XK A **L3**	Loader	Front tip.load		15600 *34398*	17200 *37926*	20450 *45092*	22800 *50274*	25200 *55566*	27250 *60086*	29350 *64717*	31350 *69127*		
		Front laden		11150 *24586*	12300 *27122*	14600 *32193*	16300 *35942*	18000 *39690*	19450 *42887*	20950 *46195*	22400 *49392*		
		Rear unladen		8900 *19625*	9850 *21719*	11700 *25799*	13050 *28775*	14400 *31752*	15550 *34288*	16750 *36934*	17900 *39470*		
XMINE D2 **L5	Loader	Front tip.load				17500 *38588*	19600 *43218*	21700 *47849*	23800 *52479*	25200 *55566*	27300 *60197*	28840 *63592*	31360 *69149*
		Front laden				12500 *27563*	14000 *30870*	15500 *34178*	17000 *37485*	18000 *39690*	19500 *42998*	20600 *45423*	22400 *49392*
		Rear unladen				10000 *22050*	11200 *24696*	12400 *27342*	13600 *29988*	14400 *31752*	15600 *34398*	16480 *36338*	17920 *39514*
XK A **L3 **XLD D1 A *L4R** **XLD D2 A *L5T** **XMINE D2 L5R**	Underground Tansport Machine	All axles				10900 *24035*	12150 *26791*	13600 *29988*	15000 *33075*	16000 *35280*	17500 *38588*		
XMINE D2 **L5	Underground Tansport Machine	All axles				10900 *24035*	12150 *26791*	13600 *29988*	15000 *33075*	16000 *35280*	17500 *38588*	18500 *40793*	19500 *42998*

	Machine - Utilisation		bar	2	2.3	2.5	2.7	2.9	3.3	3.7	4.1	4.5	4.9
			psi	*29*	*33*	*36*	*39*	*42*	*48*	*54*	*60*	*65*	*71*
XS SAND **E7	Desert conditions 65 km/h max.	Road in single								11000 *24255*	12000 *26460*	13000 *28665*	14000 *30870*
		Track in single							11000 *24255*	12000 *26460*	13000 *28665*	14000 *30870*	
		Sand in single		11000 *24255*	12000 *26460*	12500 *27563*	13000 *28665*	14000 *30870*					

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32nd*	mm *inches*	l *gallons*		

25" CONTINUED

29.5 R 25 Tubeless

MICHELIN® XADN E E3V **200E 123703 (9)	50 *31.1*	560 *384*	743 *29.3*	1850 *72.8*	817 *32.2*	5541 *218.1*	44 *55.4*		1180 *312*	**25.00/3.5**	See page 84 to 89
MICHELIN® XS SAND E7 **196E 458236 (9)			747 *29.4*	1820 *71.7*	796 *31.3*	5431 *213.8*	22 *27.7*		1200 *317*		
MICHELIN® XTRA DEFEND E4 **200B 940473 (7)	22 *13.7*	246 *169*	773 *30.4*	1862 *73.3*	826 *33*	5586 *220*	65 *82*		1142 *302*		

29.5 R 25 Tubeless

MICHELIN® XTXL E4 ****L4 * 221A2** 427926	14 *8.7* if load per tire ≤ 22.4 t 12 *7.5* if load per tire > 22.4 t	220 *151*	775 *30.5*	1822 *71.7*	796 *31.3*	5435 *214*	59 *74.3*		1029 *272*	**25.00/3.5**	See page 84 to 89
MICHELIN® XTXL E4 **** 775766					804 *31.7*	5455 *214.8*					

750/65 R 25 Tubeless

MICHELIN® XAD 65-1 SUPER E3T **190B 123895	28 *17.4*	237 *162*	738 *29.1*	1599 *63*	701 *27.6*	4777 *188.1*	43 *54.2*		810 *214*	22.00/3.0 **24.00/3.0** 25.00/3.0	See page 84 to 89

750/65 R 25 Tubeless

MICHELIN® XLD 65 L3T * 123940	16 *9.9*		747 *29.4*	1591 *62.6*	683 *26.9*	4714 *185.6*	41 *51.7*		788 *208*	22.00/3.0 **24.00/3.0**	See page 84 to 89

29"

26.5 R 29 Tubeless

MICHELIN® XK A L3 ** 273860 (8, 9)	14 *8.7*		712 *28*	1840 *72.4*	801 *31.5*	5478 *215.7*	35 *44.1*		855 *226*	**22.00/3.0** 24.00/3.0	See page 84 to 89
MICHELIN® XSM DN L3S * 123661 (9)	10 *6.2*		726 *28.6*	1830 *72*	811 *31.9*	5488 *216.1*	40 *50.4*		937 *248*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

25" CONTINUED

	Machine - Utilisation		bar	2	2.5	3	3.25	3.5	4	4.5	5	5.5	
			psi	29	36	44	47	51	58	65	73	80	
XADN E **E3V **XS SAND **E7** **XTRA DEFEND **E4**	Articulated dumpers	Standard		7800 17199	9050 19955	10300 22712	10900 24035	11500 25358	12750 28114	14000 30870			
XADN E **E3V **XS SAND **E7**	Articulated dumpers	70 km/h 43 mph				7800 17199	8575 18908	9350 20617	10900 24035	11500 25358	12750 28114	14000 30870	

	Machine - Utilisation		bar	3	4	4.5	5	5.5	6	6.5	7	7.5	8
			psi	44	58	65	73	80	87	94	102	109	116
XTXL E4 ****L4 ***	Loader load per tire ≤ 22.4 t	Front tip.load		17500 38588	21700 47849	23800 52479	25200 55566	27300 60197	28840 63592	31360 69149			
		Front laden		12500 27563	15500 34178	17000 37485	18000 39690	19500 42998	20600 45423	22400 49392			
		Rear unladen		10000 22050	12400 27342	13600 29988	14400 31752	15600 34398	16480 36338	17920 39514			
XTXL E4 ****L4 ***	Loader load per tire > 22.4 t	Front tip.load									33040 72853	34020 75014	36050 79490
		Front laden									23600 52038	24300 53582	25750 56779
		Rear unladen									18880 41630	19440 42865	20600 45423
XTXL E4 ****L4 *** **XTXL ****E4**	Underground Tansport Machine	All axles		10900 24035	13600 29988	15000 33075	16000 35280	17500 38588	18500 40793	19500 42998	20600 45423	21800 48069	23000 50715

	Machine - Utilisation		bar	2.5	3	3.25	3.5	4					
			psi	36	44	47	51	58					
XAD 65-1 **SUPER E3T	Articulated dumpers	Standard		7350 16207	8400 18522	8950 19735	9500 20948	10600 23373					

	Machine - Utilisation		bar	2	2.5	3	3.25	3.5	4	4.5	5	5.5	
			psi	29	36	44	47	51	58	65	73	80	
XLD 65 *L3T	Loaders	Front tip.load		11750 25909	13600 29988	15450 34067	16375 36107	17300 38147	19150 42226	21000 46305	22850 50384	24700 54464	
		Front laden		8400 18522	9720 21433	11040 24343	11700 25799	12360 27254	13680 30164	15000 33075	16320 35986	17640 38896	
		Rear unladen		6725 14829	7775 17144	8825 19459	9365 20650	9900 21830	10950 24145	12000 26460	13050 28775	14100 31091	
XLD 65 *L3T	Graders	All axles		5040 11113	5830 12855	6620 14597	7020 15479	7420 16361	8210 18103				

29"

	Machine - Utilisation		bar	4	4.25	4.5	5	5.25	5.5	5.75	6	6.25	6.5
			psi	58	62	65	73	76	80	83	87	91	94
XK A **L3 **XSM DN *L3S**	Loader	Front tip.load		19040 41983	19600 43218	21000 46305	22400 49392	23100 50936	24500 54023	25200 55566	25900 57110	26600 58653	27300 60197
		Front laden		13600 29988	14000 30870	15000 33075	16000 35280	16500 36383	17500 38588	18000 39690	18500 40793	19000 41895	19500 42998
		Rear unladen		10880 23990	11200 24696	12000 26460	12800 28224	13200 29106	14000 30870	14400 31752	14800 32634	15200 33516	15600 34398
XK A **L3 **XSM DN *L3S**	Underground Tansport Machine	All axles		12150 26791	12500 27563	13200 29106	14500 31973	15000 33075	15500 34178	16000 35280	16500 36383	17000 37485	17500 38588

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32rd*	mm *inches*	l *gallons*		
29" CONTINUED											
26.5 R 29 Tubeless											
MICHELIN® XSM DN+ L3S *** 317097	10 *6.2*		698 *27.5*	1830 *72*	820 *32.3*	5510 *216.9*	44 *55.4*		926 *245*	**22.00/3.0** 24.00/3.0	See page 84 to 89
29.5 R 29 Tubeless											
MICHELIN® XTS E3T ** 708648	29 *18*	348 *238*	765 *30.1*	1963 *77.3*	869 *34.2*	5884 *231.7*	43 *54.2*		1300 *343*	**24.00/3.5** 25.00/3.5	See page 84 to 89
29.5 R 29 Tubeless											
MICHELIN® XK A L3 ** 274110	14 *8.7*		793 *31.2*	1961 *77.2*	844 *33.2*	5819 *229.1*	38 *47.9*		1260 *333*		
MICHELIN® XMINE D2 L5 ** 965209	6 *3.7*		794 *31.3*	2005 *78.9*	896 *35.3*	6032 *237.5*	100 *126*		981 *259*	24.00/3.5 **25.00/3.5**	See page 84 to 89
MICHELIN® XMINE D2 L5R 274050 (8)			796 *31.3*	2001 *78.8*	878 *34.6*	5980 *235.4*			990 *262*		
MICHELIN® XSM D2+ L5S ** 358035	4 *2.5*		770 *30.3*	1994 *78.5*	893 *35.2*	6003 *236.3*	112 *141.1*		1123 *297*		
29.5 R 29 Tubeless											
MICHELIN® XLD D2 A L5T* * 123279	10 *6.2*		772 *30.4*	2004 *78.9*	864 *34*	5949 *234.2*	95 *119.7*		985 *260*	24.00/3.5 **25.00/3.5**	See page 84 to 89
29.5 R 29 Tubeless											
MICHELIN® XTXL E4 **** 512305		220 *151*	775 *30.5*	1928 *75.9*	855 *33.7*	5783 *227.7*	63 *79.4*		1139 *301*	24.00/3.5 **25.00/3.5**	See page 84 to 89
775/65 R 29 Tubeless											
MICHELIN® XAD 65-1 SUPER E3T ** *195B 510085	28 *17.4*	272 *186*	785 *30.9*	1759 *69.3*	779 *30.7*	5272 *207.6*	45 *56.7*		1050 *277*	**24.00/3.0** 24.00/3.5 25.00/3.5	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

29" CONTINUED

	Machine - Utilisation	bar / psi	5 / 73	5.5 / 80	6 / 87	6.5 / 94	6.75 / 98	7 / 102	7.25 / 105	7.5 / 109	7.75 / 112	8 / 116
XSM DN+ ***L3S	Loader	Front tip.load	22400 49392	24500 54023	25900 57110	27300 60197	28000 61740	28840 63592	29680 65444	30520 67297	31360 69149	32200 71001
		Front laden	16000 35280	17500 38588	18500 40793	19500 42998	20000 44100	20600 45423	21200 46746	21800 48069	22400 49392	23000 50715
		Rear unladen	12800 28224	14000 30870	14800 32634	15600 34398	16000 35280	16480 36338	16960 37397	17440 38455	17920 39514	18400 40572

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.25 / 62	4.5 / 65	5 / 73	5.5 / 80	
XTS **E3T	Transport	Standard	9150 20176	10325 22767	11500 25358	12650 27893	13850 30539	14425 31807	15000 33075	16150 35611	16750 36934	

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94
XMINE D2 L5R	Loader	Front tip.load	18350 40462	20600 45423	22800 50274	25050 55235	27300 60197	30150 66481	33050 72875	35300 77837		
		Front laden	13100 28886	14700 32414	16300 35942	17900 39470	19500 42998	21550 47518	23600 52038	25200 55566		
		Rear unladen	10500 23153	11750 25909	13050 28775	14350 31642	15600 34398	17250 38036	18900 41675	21150 46636		
XK A **L3 XMINE D2 **L5 XSM D2+ **L5S	Loader	Front tip.load			18480 40748	21000 46305	23100 50936	25200 55566	27300 60197	28840 63592	31360 69149	
		Front laden			13200 29106	15000 33075	16500 36383	18000 39690	19500 42998	20600 45423	22400 49392	
		Rear unladen			10560 23285	12000 26460	13200 29106	14400 31752	15600 34398	16480 36338	17920 39514	18880 41630
XMINE D2 L5R	Underground Tansport Machine	All axles			11800 26019	13200 29106	14500 31973	16000 35280	17000 37485	18500 40793		
XK A **L3 XMINE D2 **L5	Underground Tansport Machine	All axles			11800 26019	13200 29106	14500 31973	16000 35280	17000 37485	18500 40793	19500 42998	20600 45423

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.25 / 76	5.5 / 80	6 / 87
XLD D2 A *L5T	Loader	Front tip.load	18350 40462	20600 45423	22800 50274	25050 55235	27300 60197	30150 66481	33050 72875	34150 75301	35300 77837	
		Front laden	13100 28886	14700 32414	16300 35942	17900 39470	19500 42998	21550 47518	23600 52038	24450 53912	25200 55566	
		Rear unladen	10500 23153	11750 25909	13050 28775	14350 31642	15600 34398	17250 38036	18900 41675	10560 23285	21150 46636	
XLD D2 A *L5T	Graders	All axles	7100 15656	8500 18743	9750 21499	10900 24035	12150 26791	13200 29106	14500 31973	15000 33075		

	Machine - Utilisation	bar / psi	3 / 44	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	7 / 102	7.5 / 109	8 / 116
XTXL ****E4	Underground Tansport Machine	All axles	11800 26019	14500 31973	16000 35280	17000 37485	18500 40793	19500 42998	20600 45423	21800 48069	23000 50715	24300 53582

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58					
XAD 65-1 **SUPER E3T	Articulated dumpers	Standard	6900 15215	8100 17861	9350 20617	10700 23594	12150 26791					

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
29" CONTINUED											
775/65 R 29 XHA2 L3 TL * 206A2 Tubeless											
MICHELIN® XHA2 L3*206A2 992646 (7)	16 *9.9*		786 *30.9*	1732 *68.2*	748 *28*	5149 *203*	47 *59.2*		1008 *266*	**24.00/3.5** 24.00/3.0 25.00/3.5	See page 84 to 89
800/65 R 29 Tubeless											
MICHELIN® XLD 65 L3T* 123059	16 *9.9*		793 *31.2*	1818 *71.6*	790 *31.1*	5412 *213.1*	48 *60.5*		1093 *289*	24.00/3.5 **27.00/3.0**	See page 84 to 89
33.25 R 29 Tubeless											
MICHELIN® XTS E3T** 871916	29 *18*	429 *294*	873 *34.4*	2068 *81.4*	923 *36.3*	6218 *244.8*	51 *64.3*		1640 *433*	**27.00/3.5**	See page 84 to 89
875/65 R 29 Tubeless											
MICHELIN® XAD 65-1 SUPER E3T **203B 086953	28 *17.4*	347 *238*	883 *34.8*	1881 *74.1*	822 *32.4*	5613 *221*	51 *64.3*		1376 *364*	**27.00/3.0** 27.00/3.5 28.00/3.5	See page 84 to 89
875/65 R 29 Tubeless											
MICHELIN® XHA2 L3*214A2 936624	16 *9.9*		882 *34.7*	1870 *73.6*	797 *31.4*	5528 *217.6*	49 *61.7*		1354 *358*	**27.00/3.0** 27.00/3.5 28.00/3.5	See page 84 to 89
800/80 R 29 X-SUPER TERRAIN+ E4 TL ** 206B Tubeless											
MICHELIN® X-SUPER TERRAIN+ E4 **206B 952451	26 *13.7*	353 *206*	805 *31.7*	2002 *78.8*	888 *35*	6005 *236.4*	67 *84.4*		1315 *347*	25.00/3.5 **27.00/3.5**	See page 84 to 89
33"											
18.00 R 33 Tubeless											
MICHELIN® XV C E2** 271325 (9)	50 *31.1*	436 *299*	496 *19.5*	1820 *71.7*	822 *32.4*	5486 *216*	26 *32.8*	624 *24.6*	640 *169*	**13.00/2.5**	See page 84 to 89
MICHELIN® X-HAUL E4P** 205207	30 *18.6*	262 *179*	495 *19.5*	1860 *73.2*	856 *33.7*	5657 *222.7*	49 *61.7*		605 *160*		
MICHELIN® XDT A4 E4T** 123723	18 *11.2*	157 *108*	494 *19.4*	1868 *73.5*	885 *34.8*	5745 *226.2*	54 *68*				
MICHELIN® XDT B E4T** 123733	30 *18.6*	262 *179*									
MICHELIN® X-QUARRY S E4R** 873291	19 *11.8*	166 *114*	511 *20.1*	1864 *73.4*	867 *34.1*	5693 *224.1*	62 *78.1*		600 *159*		
MICHELIN® X-TRACTION E4T** 397431	25 *15.5*	218 *149*	493 *19.4*	1868 *73.5*	848 *33.4*	5652 *222.5*			661 *175*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

29" CONTINUED

	Machine - Utilisation		bar	3	3.5	4	4.25	4.5	4,75	5	5.25		
			psi	44	51	58	62	65	69	73	76		
XHA2 L3*	Loaders	Front tip.load		16800 37044	18850 41564	19600 43218	23100 50936	23800 52479					
		Front laden		12000 26460	13450 29657	14000 30870	16500 36383	17000 37485					
		Rear unladen		9600 21168	10750 23704	11200 24696	13200 29106	13600 29988					

	Machine - Utilisation		bar	2	2.5	3	3.5	4	4.25	4.5	5	5.5	
			psi	29	36	44	51	58	62	65	73	80	
XLD 65 *L3T	Loaders	Front tip.load		14150 31201	16500 36383	18900 41675	21300 46967	23650 52148	24500 54023	26050 57440	28400 62622	30800 67914	
		Front laden		10100 22271	11800 26019	13500 29768	15200 33516	16900 37265	17500 38588	18600 41013	20300 44762	22000 48510	
		Rear unladen		8100 17861	9450 20837	10800 23814	12150 26791	13500 29768	14000 30870	14900 32855	16250 35831	17600 38808	

	Machine - Utilisation		bar	2	2.5	3	3.5	4	4.25	4.5	5	5.5	6
			psi	29	36	44	51	58	62	65	73	80	87
XTS **E3T	Transport	Standard		9500 20948	11000 24255	12500 27563	14000 30870	15500 34178	16300 35942	17000 37485	18500 40793	19250 42446	20000 44100

	Machine - Utilisation		bar	2	2.5	3	3.5	4					
			psi	29	36	44	51	58					
XAD 65-1 **SUPER E3T	Articulated dumpers	Standard		9100 20066	10800 23814	12500 27563	14100 31091	15500 34178					

	Machine - Utilisation		bar	2	2.5	3	3.5	4	4.25	4.5	4.75		
			psi	29	36	44	51	58	62	65	69		
XHA2 *L3	Loaders	Front tip.load		12600 27783	15750 34729	18900 41675	22050 48620	25200 55566	26556 58556	28118 62000	29680 65444		
		Front laden		9000 19845	11250 24806	13500 29768	15750 34729	18000 39690	18968 41824	20084 44285	21200 46746		
		Rear unladen		7200 15876	9000 19845	10800 23814	12600 27783	14400 31752	15175 33461	16067 35428	16960 37397		

	Machine - Utilisation		bar	3	3.25	3.5	3.74	4	4.25	4.5	4.75	5	5.25
			psi	44	47	51	54	58	62	65	69	73	76
X-SUPER TERRAIN+ **E4	Articulated dumpers	Standard		12500 27563	13200 29106	14000 30870	14700 32414	15500 34178	16300 35942	17000 37485	17800 39249	18500 40793	19000 41895

33"

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.5	7	7.5		
			psi	58	65	73	80	87	94	102	109		
XV C **E2 **X-HAUL **E4P** **XDT A4 **E4T** **XDT B **E4T** **X-QUARRY S **E4R** **X-TRACTION **E4T**	Transport	Standard		7950 17530	8700 19184	9400 20727	10150 22381	10900 24035	11270 24850	11650 25688	12000 26460		

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
33" CONTINUED											
21.00 R 33 Tubeless											
MICHELIN® X-HAUL S E4P ** 612785	25 *15.5*	280 *192*	550 *21.7*	1966 *77.4*	895 *35.2*	5955 *234.4*	53 *66.8*	697 *27.4*	820 *217*	15.00/3.0	See page 84 to 89
MICHELIN® X-TRACTION E4T ** 067981			572 *22.5*	2007 *79*	907 *35.7*	6064 *238.7*	71 *89.4*		851 *225*		
35/65 R 33 Tubeless											
MICHELIN® XR DN A L3 * 283500 (9)	16 *9.9*		911 *35.9*	2010 *79.1*	877 *34.5*	5993 *235.9*	38 *47.9*		1555 *411*	28.00/3.5	See page 84 to 89
MICHELIN® XSM DN L3S 123052	10 *6.2*		918 *36.1*	2012 *79.2*	899 *35.4*	6052 *238.3*	44 *55.4*		1550 *410*		
MICHELIN® XLD D1 A L4R ** 143231	14 *8.7*		923 *36.3*	2056 *80.9*		6135 *241.5*	60 *75.6*				
MICHELIN® XLD D2 L5 ** 592188	10 *6.2*		926 *36.5*	2060 *81.1*	902 *35.5*	6150 *242.1*	97 *122.2*		1457 *385*		
MICHELIN® XMINE D2 L5 ** 944666	6 *3.7*		921 *36.3*	2051 *80.7*	916 *36.1*	6169 *242.9*	93 *117.2*		1338 *353*		
MICHELIN® XSM D2+ L5S ** 980846	4 *2.5*			2050 *80.7*		6166 *242.8*	97 *122.2*		1350 *357*		
35/65 R 33 Tubeless											
MICHELIN® XTXL E4 ** L4 *** 229A2** 845075	14 *8.7* if load per tire ≤ 28.0 t	250 *171*	907 *35.7*	2026 *79.8*	887 *34.9*	6048 *238.1*	60 *75.6*		1474 *389*	28.00/3.5	See page 84 to 89
	10 *6.2* if load per tire > 28.0 t										
MICHELIN® XTXL E4 **** 970355					893 *35.2*	6063 *238.7*			1546 *408*		
MICHELIN® XTXL S E4 **** 771025 (9)		320 *219*									
35"											
21.00 R 35 Tubeless											
MICHELIN® XDT A4 E4T ** 123921	18 *11.2*	209 *143*	576 *22.7*	2062 *81.2*	937 *36.9*	6242 *245.7*	61 *76.9*		900 *238*	15.00/3.0 17.00/3.0	See page 84 to 89
MICHELIN® XDT B E4T ** 123881	30 *18.6*	348 *238*									
MICHELIN® X-QUARRY S E4R ** 765959	19 *11.8*	220 *151*	599 *23.6*	2068 *81.4*	934 *36.8*	6245 *245.9*	67 *84.4*	703 *27.7*	952 *252*		

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

33" CONTINUED

	Machine - Utilisation	bar / psi	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	7 / 102			
X-HAUL S **E4P **X-TRACTION **E4T**	Transport	Standard	9315 *20540*	10250 *22601*	11185 *24663*	12125 *26736*	13065 *28808*	14000 *30870*	14470 *31906*			

	Machine - Utilisation	bar / psi	2 / 29	2.5 / 36	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94
XR DN A *L3 **XSM DN L3S**	Loader	Front laden	13750 *30319*	14850 *32744*	16100 *35501*	17700 *39029*	19000 *41895*	21200 *46746*	23000 *50715*	24150 *53251*	25300 *55787*	
		Rear unladen	10990 *24233*	11870 *26173*	12870 *28378*	14170 *31245*	15200 *33516*	16950 *37375*	18400 *40572*	19300 *42557*	20250 *44651*	
XLD D1 A **L4R **XLD D2 **L5** **XMINE D2 L5 **** **XSM D2+ **L5S**	Loader	Front laden			16100 *35501*	17700 *39029*	19000 *41895*	21200 *46746*	23000 *50715*	24300 *53582*	25750 *56779*	28000 *61740*
		Rear unladen			12900 *28445*	14200 *31311*	15200 *33516*	16950 *37375*	18400 *40572*	19450 *42887*	20600 *45423*	22400 *49392*
XSM DN L3S	Underground Tansport Machine	All axles			13600 *29988*	15500 *34178*	17000 *37485*	18500 *40793*	20000 *44100*	21800 *48069*	23000 *50715*	
XLD D1 A **L4R **XLD D2 **L5** **XMINE D2 L5 ****	Underground Tansport Machine	All axles			13600 *29988*	15500 *34178*	17000 *37485*	18500 *40793*	20000 *44100*	21800 *48069*	23000 *50715*	24300 *53582*

	Machine - Utilisation	bar / psi	3 / 44	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	7 / 102	7.5 / 109	8 / 116
XTXL E4 ****L4 ***	Loader load per tire ≤ 28 t	Front laden	16100 *35501*	19000 *41895*	21200 *46746*	23000 *50715*	24300 *53582*	25750 *56779*	28000 *61740*			
		Rear unladen	12900 *28445*	15200 *33516*	16950 *37375*	18400 *40572*	19450 *42887*	20600 *45423*	22400 *49392*			
XTXL E4 ****L4 ***	Loader load per tire > 28 t	Front laden								30000 *66150*	31500 *69458*	32500 *71663*
		Rear unladen								24000 *52920*	25200 *55566*	26000 *57330*
XTXL E4 ****L4 *** **XTXL ****E4** **XTXL S ****E4**	Underground Tansport Machine	All axles				20000 *44100*	21200 *46746*	23000 *50715*	24300 *53582*	25750 *56779*	27250 *60086*	29000 *63945*

35"

	Machine - Utilisation	bar / psi	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	7 / 102				
XDT A4 **E4T **XDT B **E4T** **X-QUARRY S **E4R**	Transport	Standard	11450 *25247*	12450 *27452*	13500 *29768*	14500 *31973*	15000 *33075*	15500 *34178*				

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32nd*	mm *inches*	l *gallons*		

35" CONTINUED

24.00 R 35 Tubeless

MICHELIN® XV C E2 ** 271650 (9)	50 *31.1*	740 *507*	668 *26.3*	2118 *83.4*	947 *37.3*	6372 *250.9*	30 *37.8*		1264 *334*		
MICHELIN® X-HAUL E4P ** 087693	24 *14.9*	355 *243*	645 *25.4*	2155 *84.8*	995 *39.2*	6562 *258.3*	60 *75.6*				
MICHELIN® XDT B E4T ** 123931	30 *18.6*	444 *304*						825 *32.5*	1150 *304*	15.00/3.5 **17.00/3.5**	See page 84 to 89
MICHELIN® XDT A E4T ** 123941	22 *13.7*	326 *223*	652 *25.7*	2162 *85.1*	978 *38.5*	6533 *257.2*	68 *85.7*				
MICHELIN® XDT A4 E4T ** 123951	18 *11.2*	266 *182*									
MICHELIN® X-QUARRY S E4R ** 412539	19 *11.8*	281 *192*	659 *25.9*	2156 *84.9*	976 *38.4*	6517 *256.6*	70 *88.2*		1157 *306*		

24.00 R 35 Tubeless

MICHELIN® X-TRACTION SC E4T ** 622698	22 *13.7*	326 *223*	676 *26.6*	2187 *86.1*	982 *38.7*	6592 *259.5*	77 *97*	825 *32.5*	1223 *323*	15.00/3.5 **17.00/3.5**	See page 84 to 89

24.00 R 35 Tubeless

MICHELIN® XTRA LOAD GRIP B *** 302244	34 *21* load per tire ≤ 18.5 t	503 *345*	666 *26.2*	2163 *85.2*	976 *38.4*	6531 *257.1*	73 *92*	795 *31.3*	1169 *309*	15.00/3.5 **17.00/3.5**	See page 84 to 89
	31 *19.3* load per tire > 18.5 t										
MICHELIN® XTRA LOAD GRIP A4 *** 559900	22 *14* load per tire ≤ 18.5 t	320 *219*									
	20 *12.4* load per tire > 18.5 t										
MICHELIN® XTRA LOAD PROTECT B*** 488798	34 *21* load per tire ≤ 18.5 t	503 *345*	670 *26.4*	2162 *85.1*	978 *38.5*	6533 *257.2*	70 *88.2*	795 *31.3*			
	31 *19.3* load per tire > 18.5 t										
MICHELIN® XTRA LOAD PROTECT A4*** 388190	22 *14* load per tire ≤ 18.5 t	320 *219*									
	20 *12.4* load per tire > 18.5 t										

29.5 R 35 Tubeless

MICHELIN® XTS E3T ** 631225	29 *18*	371 *254*	777 *30.6*	2116 *83.3*	943 *37.1*	6539 *257.4*	45 *56.7*		1494 *395*	**25.00/3.5** 27.00/3.5	See page 84 to 89

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

35" CONTINUED

	Machine - Utilisation	bar psi	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	7.5 109	8 116		
XV C ** E2 **X-HAUL ** E4P** **XDT B ** E4T** **XDT A ** E4T** **XDT A4 ** E4T** **X-QUARRY S ** E4R**	Transport	Standard	13950 *30760*	15050 *33185*	16300 *35942*	17350 *38257*	18500 *40793*	19050 *42005*	19625 *43273*	20200 *44541*		

	Machine - Utilisation	bar psi	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102				
X-TRACTION SC ** E4T	Transport	Standard	13950 *30760*	15050 *33185*	16300 *35942*	17350 *38257*	18500 *40793*	19050 *42005*				

	Machine - Utilisation	bar psi	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102	7.25 105	7.5 109	7.75 112	8 116
XTRA LOAD GRIP B **XTRA LOAD GRIP A4**	Transport load per tire ≤ 18.5 t	Standard	13950 *30760*	15050 *33185*	16300 *35942*	17350 *38257*	18500 *40793*					
	Transport load per tire > 18.5 t	Standard						19500 *42998*	20000 *44100*	20500 *45203*	21000 *46305*	21500 *47408*
XTRA LOAD PROTECT B **XTRA LOAD PROTECT A4**	Transport l oad per tire ≤ 18.5 t	Standard	13950 *30760*	15050 *33185*	16300 *35942*	17350 *38257*	18500 *40793*					
	Transport load per tire > 18.5 t	Standard						19500 *42998*	20000 *44100*	20500 *45203*	21000 *46305*	21500 *47408*

	Machine - Utilisation	bar psi	3.5 51	3.75 54	4 58	4.25 62	4.5 65	5 73	5.5 80			
XTS ** E3T	Transport	Standard	13200 *29106*	13900 *30650*	14600 *32193*	15300 *33737*	16000 *35280*	17400 *38367*	18100 *39911*			

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e	D	R'	RC	Tread depth	Dual Spacing	Cap.	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
			mm *inches*	mm *inches*	mm *inches*	mm *inches*	mm *32nd*	mm *inches*	l *gallons*		

35" CONTINUED

37.25 R 35 Tubeless

MICHELIN® XRS B E4R ** 123673	22 *13.7*	415 *284*	947 *37.3*	2364 *93.1*	1063 *41.9*	7127 *280.6*	53 *66.8*		2250 *594*	29.00/3.5 **31.00/4.0**	See page 84 to 89
MICHELIN® XTS E3T ** 540244	29 *18*	540 *370*	956 *37.6*	2370 *93.3*	1070 *42.1*	7157 *281.8*	59 *74.3*		2400 *634*		

39"

37.5 R 39 Tubeless

MICHELIN® XRS E4R ** 856011	22 *13.7*	453 *310*	976 *38.4*	2517 *99.1*	1130 *44.5*	7583 *298.5*	56 *70.6*		2624 *693*	**32.00/4.5**	See page 84 to 89

40.5/75 R 39 Tubeless

MICHELIN® XMS B E3R ** 379296	33 *20.5*	766 *525*	998 *39.3*	2588 *101.9*	1151 *45.3*	7770 *305.9*	51 *64.3*		2940 *777*	**32.00/4.5**	See page 84 to 89

45/65 R 39 Tubeless

MICHELIN® XLD D2 L5 **242A2 519947	10 *6.2*		1102 *43.4*	2580 *101.6*	1116 *43.9*	7668 *301.9*	115 *144.9*		2760 *729*	32.00/4.5 **36.00/4.5**	See page 84 to 89
MICHELIN® XMINE D2 L5 **242A2 785703	6 *3.7*		1099 *43.3*	2583 *101.7*	1132 *44.6*	7715 *303.7*	116 *146.1*		2712 *717*		

45"

45/65 R 45 Tubeless

MICHELIN® XLD D1 L4 **244A2 733149	14 *8.7*		1130 *44.5*	2703 *106.4*	1180 *46.5*	8062 *317.4*	71 *89.4*		3330 *880*	**36.00/4.5**	See page 84 to 89
MICHELIN® XLD D2 L5 **244A2 871341	10 *6.2*		1147 *45.2*				115 *144.9*		3020 *798*		
MICHELIN® XMINE D2 L5 **244A2 651716	6 *3.7*		1159 *45.6*	2699 *106.3*	1193 *47*	8087 *318.4*	116 *146.1*				

49"

24.00 R 49 Tubeless

MICHELIN® XDR B E4R ** 123235	26 *16.2*	453 *310*	662 *26.1*	2529 *99.6*	1147 *45.2*	7651 *301.2*	67 *84.4*	806 *31.7*	1466 *387*	**17.00/3.5**	See page 84 to 89
MICHELIN® XDR B4 E4R ** 123115	22 *13.7*	384 *263*									

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

35" CONTINUED

	Machine - Utilisation	bar / psi	3.75 / 54	4 / 58	4.25 / 62	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94		
XRS B **E4R	Transport	Standard	17950 39580	18500 40793	19350 42667	20200 44541	21900 48290	23600 52038	24450 53912	25300 55787		
XTS **E3T	Transport	Standard	17950 39580	18500 40793	19350 42667	20200 44541	21900 48290	23600 52038	24450 53912	25300 55787		

39"

	Machine - Utilisation	bar / psi	3 / 44	3.5 / 51	4 / 58	4.25 / 62	4.5 / 65	5 / 73	5.5 / 80	6 / 87		
XRS **E4R	Transport	Standard	18100 39911	20000 44100	21900 48290	22900 50495	23850 52589	25750 56779	26700 58874	27650 60968		

	Machine - Utilisation	bar / psi	3 / 44	3.5 / 51	4 / 58	4.25 / 62	4.5 / 65	5 / 73	5.5 / 80	6 / 87		
XMS B **E3R	Transport	Standard	20200 44541	22400 49392	24600 54243	25700 56669	26800 59094	29000 63945	30100 66371	31200 68796		

	Machine - Utilisation	bar / psi	3 / 44	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94		
XLD D2 **L5 **XMINE D2 **L5**	Loader	Front laden	26500 58433	30000 66150	33500 73868	36500 80483	40000 88200	42500 93713	45000 99225	47500 104738		
		Rear unladen	21200 46746	24000 52920	26800 59094	29200 64386	32000 70560	34000 74970	36000 79380	38000 83790		

45"

	Machine - Utilisation	bar / psi	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94				
XLD D1 **L4 **XLD D2 **L5** **XMINE D2 **L5**	Loader	Front laden	35500 78278	38750 85444	42500 93713	45000 99225	47500 104738	51500 113558				
		Rear unladen	28400 62622	31000 68355	34000 74970	36000 79380	38000 83790	41200 90846				

49"

	Machine - Utilisation	bar / psi	3.5 / 51	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	7 / 102	7.5 / 109	8 / 116
XDR B **E4R **XDR B4 **E4R**	Transport	Standard	13900 30650	15250 33626	16550 36493	17850 39359	19200 42336	20500 45203	21800 48069	22450 49502	23100 50936	23350 51487

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
49" CONTINUED											
27.00 R 49 Tubeless											
MICHELIN® XV C E2 ** 280557 (9)	50 *31.1*	1090 *747*	745 *29.3*	2648 *104.3*	1170 *46.1*	7934 *312.4*	33 *41.6*	909 *35.8*	2060 *544*	19.50/4.0 [2.7] **19.50/4.0 [3.2]**	See page 84 to 89
MICHELIN® XDT B E4T ** 123783 (9)	30 *18.6*	654 *448*		2696 *106.1*	1207 *47.5*	8115 *319.5*	74 *93.2*		2019 *533*		
MICHELIN® X-TRACTION RD B E4T ** 470320			743 *29.3*	2737 *107.8*	1234 *48.6*	8262 *325.3*	81 *102*		2045 *540*		
MICHELIN® X-TRACTION RD B4 E4T ** 166905	26 *16.2*	567 *388*									
MICHELIN® X-TRACTION RD A4 E4T ** 495676	18 *11.2*	392 *269*									
MICHELIN® X-TRACTION S RD B E3T ** 689287	35 *21.7*	763 *523*	746 *29.4*	2647 *104.2*	1190 *46.9*	7982 *314.3*	46 *58*	892 *35.1*			
MICHELIN® XDR B4 E4R ** 123210 (8)	22 *13.7*	480 *329*	740 *29.1*	2712 *106.8*	1224 *48.2*	8188 *322.4*	76 *95.7*		2033 *537*		
MICHELIN® XDR2 B E4R ** 162292	26 *16.2*	567 *388*	738 *29.1*	2733 *107.6*	1235 *48.6*	8257 *325.1*	90 *113.4*		1995 *527*		
MICHELIN® XDR2 B4 E4R ** 642068	22 *13.7*	480 *329*									
MICHELIN® XDR2 A E4R ** 831573	18 *11.2*	392 *269*									
51"											
30.00 R 51 Tubeless											
MICHELIN® XDR B E4R ** 123151	24 *14.9*	643 *440*	835 *32.9*	2878 *113.3*	1288 *50.7*	8662 *341*	83 *104.6*	1006 *39.6*	2490 *658*	**22.00/4.5**	See page 84 to 89
MICHELIN® XDR B4 E4R ** 123041	20 *12.4*	536 *367*									
33.00 R 51 Tubeless											
MICHELIN® XDC C4 E3V ** 645788 (9)	45 *28*	1395 *956*	889 *35*	2966 *116.8*	1318 *51.9*	8903 *350.5*	48 *60.5*	1107 *43.6*		24.00/5.0 [3.9] **24.00/5.0 [4.4]**	See page 84 to 89
MICHELIN® XDT B E4T ** 123961	30 *18.6*	930 *637*	911 *35.9*	3040 *119.7*	1365 *53.7*	9161 *360.7*	87 *109.6*		3090 *816*		
MICHELIN® XDT A E4T ** 123971	22 *13.7*	682 *467*									
MICHELIN® XDR C4 E4R ** 839917 (8)	27 *16.8*	837 *573*	907 *35.7*	3032 *119.4*	1353 *53.3*	9116 *358.9*	88 *110.9*		3000 *793*		
MICHELIN® XDR2 C4 E4R ** 103564			916 *36.1*	3047 *120*	1365 *53.7*	9175 *361.2*	94 *118.4*		3119 *824*		
MICHELIN® XDR2 B E4R ** 242131	24 *14.9*	744 *510*									
MICHELIN® XDR2 B4 E4R ** 444886	20 *12.4*	620 *425*									
MICHELIN® XDR2 MB4 E4R ** 392537 (8)											

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

49" CONTINUED

	Machine - Utilisation	bar	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
		psi	*51*	*58*	*65*	*73*	*80*	*87*	*94*	*102*	*109*	*116*
XV C ** E2 ***XDT B ** E4T*** ***X-TRACTION RD B ** E4T*** ***X-TRACTION RD B4 ** E4T*** ***X-TRACTION RD A4 ** E4T*** ***X-TRACTION S RD B ** E3T*** ***XDR B4 ** E4R*** ***XDR2 B ** E4R*** ***XDR2 B4 ** E4R*** ***XDR2 A ** E4R***	**Transport**	Standard	**16850** *37154*	**18550** *40903*	**20300** *44762*	**22050** *48620*	**24000** *52920*	**25500** *56228*	**27250** *60086*	**28100** *61961*	**29000** *63945*	**29850** *65819*

51"

	Machine - Utilisation	bar	3.5	4	4.5	5	5.5	6	6.5	7		
		psi	*51*	*58*	*65*	*73*	*80*	*87*	*94*	*102*		
XDR B ** E4R ***XDR B4 ** E4R***	**Transport**	Standard	**22100** *48731*	**24350** *53692*	**26650** *58763*	**28950** *63835*	**31200** *68796*	**33500** *73868*	**34650** *76403*	**35800** *78939*		

	Machine - Utilisation	bar	3.5	4	4.5	5	5.5	6	6.5	7		
		psi	*51*	*58*	*65*	*73*	*80*	*87*	*94*	*102*		
XDC C4 ** E3V ***XDT B ** E4T*** ***XDT A ** E4T*** ***XDR C4 ** E4R*** ***XDR2 C4 ** E4R*** ***XDR2 B ** E4R*** ***XDR2 B4 ** E4R*** ***XDR2 MB4 ** E4R***	**Transport**	Standard	**25550** *56338*	**28200** *62181*	**30800** *67914*	**33450** *73757*	**36600** *80703*	**38750** *85444*	**40100** *88421*	**41400** *91287*		

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
51" CONTINUED											
36.00 R 51 Tubeless											
MICHELIN® XDC B E3V ** 320300 (9)	37 *23*	1369 *938*	1008 *39.7*	3145 *123.8*	1376 *54.2*	9388 *369.6*	57 *71.8*	1225 *48.2*	3980 *1052*	26.00/5.0	See page 84 to 89
MICHELIN® XDC C4 E3V ** 975610 (9)	40 *24.9*	1480 *1014*									
MICHELIN® XDR B E4R ** 123122	24 *14.9*	888 *608*	1011 *39.8*	3215 *126.6*	1430 *56.3*	9653 *380*	96 *120.9*				
MICHELIN® XDR B4 E4R ** 123002	20 *12.4*	740 *507*									
50/65 R 51 Tubeless											
MICHELIN® XMINE D2 HR L5R ** 523260	6 *3.7*		1273 *50.1*	3073 *121*	1366 *53.8*	9227 *363.3*	116 *146.1*		4463 *1179*	40.00/4.5	See page 84 to 89
MICHELIN® XMINE D2 LC L5R ** 508706	10 *6.2*										
MICHELIN® XMINE D2 SR L5R ** 970863	6 *3.7*										
57"											
37.00 R 57 Tubeless											
MICHELIN® XDM B4 E4T ** 725325	20 *12.4*	848 *581*	1022 *40.2*	3453 *135.9*	1542 *60.7*	10385 *408.9*	99 *124.7*	1242 *48.9*		27.00/6.0 [5.2] 27.00/6.0 [4.6] 29.00/6.0	See page 84 to 89
MICHELIN® XDR C E4R ** 396514 (8)	30 *18.6*	1272 *871*	1019 *40.1*	3456 *136.1*	1531 *60.3*	10362 *408*	98 *123.5*		4586 *1212*		
MICHELIN® XDR2 C E4R ** 422260			1025 *40.4*	3454 *136*	1533 *60.4*	10363 *408*	102 *128.5*		4553 *1203*		
MICHELIN® XDR2 C4 E4R ** 532711	27 *16.8*	1145 *784*									
MICHELIN® XDR2 B E4R ** 183539	24 *14.9*	1018 *697*									
MICHELIN® XDR2 B4 E4R ** 289227	20 *12.4*	848 *581*									
MICHELIN® XDR2 MB4 E4R ** 196602 (8)											

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

51" CONTINUED

	Machine - Utilisation		bar	3.5	4	4.5	5	5.5	6	6.5	7	7.5	
			psi	*51*	*58*	*65*	*73*	*80*	*87*	*94*	*102*	*109*	
XDC B ** E3V ***XDC C4 ** E3V*** ***XDR B ** E4R*** ***XDR B4 ** E4R***	**Transport**	Standard		**30450** *67142*	**33600** *74088*	**36800** *81144*	**39950** *88090*	**43100** *95036*	**46250** *101981*	**47850** *105509*	**49400** *108927*	**51000** *112455*	

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.35				
			psi	*58*	*65*	*73*	*80*	*87*	*92*				
XMINE D2 HR ** L5R ***XMINE D2 SR ** L5R*** ***XMINE D2 LC ** L5R***	**Loaders**	Front laden		**46500** *102533*	**50500** *111353*	**54500** *120173*	**58500** *128993*	**62500** *137813*	**65000** *143325*				
		Rear unladen		**37200** *82026*	**40400** *89082*	**43600** *96138*	**46800** *103194*	**50000** *110250*	**52000** *114660*				

57"

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.5	7	7.5		
			psi	*58*	*65*	*73*	*80*	*87*	*94*	*102*	*109*		
XDM B4 ** E4T ***XDR C ** E4R*** ***XDR2 C ** E4R*** ***XDR2 C4 ** E4R*** ***XDR2 B ** E4R*** ***XDR2 B4 ** E4R*** ***XDR2 MB4 ** E4R***	**Transport**	Standard		**38550** *85003*	**42200** *93051*	**45800** *100989*	**49400** *108927*	**53000** *116865*	**54850** *120944*	**56650** *124913*	**58450** *128882*		

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)

57" CONTINUED

40.00 R 57 Tubeless

MICHELIN® XDC C4 E3V ** 835698 (9)	40 *24.9*	1920 *1315*	1107 *43.6*	3491 *137.4*	1528 *60.2*	10422 *410.3*	63 *79.4*	1365 *53.7*	5628 *1487*	**29.00/6.0 [5.7]** 29.00/6.0 [5.2] 32.00/6.0	See page 84 to 89
MICHELIN® XDC B E3V ** 731362	37 *23*	1776 *1217*									
MICHELIN® XDC B4 E3V ** 943864 (9)	34 *21.1*	1632 *1118*									
MICHELIN® XDR C E4R ** 765274 (8)	30 *18.6*	1440 *986*	1121 *44.1*	3570 *140.6*	1569 *61.8*	10673 *420.2*	97 *122.2*		5630 *1487*		
MICHELIN® XDR C4 E4R ** 123443 (8)	27 *16.8*	1296 *888*									
MICHELIN® XDR B E4R ** 123323 (8)	24 *14.9*	1152 *789*									
MICHELIN® XDR+ C4 E4R ** 812802 (8)	27 *16.8*	1296 *888*									
MICHELIN® XDR+ B E4R ** 634799 (8)	24 *14.9*	1152 *789*									
MICHELIN® XDR+ B4 E4R ** 345942 (8)	20 *12.4*	960 *658*									
MICHELIN® XDR2 C E4R ** 973971	30 *18.6*	1440 *986*	1115 *43.9*	3579 *140.9*	1577 *62.1*	10711 *421.7*	98 *123.5*				
MICHELIN® XDR2 C4 E4R ** 467633	27 *16.8*	1296 *888*									
MICHELIN® XDR2 B E4R ** 815392	24 *14.9*	1152 *789*									
MICHELIN® XDR2 B4 E4R ** 736514	20 *12.4*	960 *658*									
MICHELIN® XDR2 MC4 E4R ** 139631 (9)	27 *16.8*	1296 *888*									
MICHELIN® XDR2 MB4 E4R ** 064371 (9)	20 *12.4*	960 *658*									
MICHELIN® XDR3 MB E4R ** 349567	24 *14.9*	1152 *789*	1127 *44.4*	3580 *140.9*	1758 *69.2*	10714 *421.8*			5560 *1469*		
MICHELIN® XDR3 MB4 E4R ** 133439	20 *12.4*	960 *658*									
MICHELIN® XDR3 MC E4R ** 861130	30 *18.6*	1440 *986*									
MICHELIN® XDR3 MC4 E4R ** 843163	27 *16.8*	1296 *888*									

50/80 R 57 Tubeless

MICHELIN® XDR C4 E4R ** 929814	24 *14.9*	1402 *960*	1284 *50.6*	3627 *142.8*	1567 *61.7*	10776 *424.3*	94 *118.4*	1563 *61.5*	6750 *1783*	**34.00/6.0 [5.2]** 34.00/6.0 [4.8]	See page 84 to 89
MICHELIN® XDR B E4R ** 966177	22 *13.7*	1285 *880*									
MICHELIN® XDR B4 E4R ** 310787	20 *12.4*	1168 *800*									

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

57" CONTINUED

	Machine - Utilisation	bar psi	4 58	4.5 65	5 73	5.5 80	6 87	6.5 94	7 102			
XDC C4 ** E3V **XDC B ** E3V** **XDC B4 ** E3V** **XDR C ** E4R** **XDR C4 ** E4R** **XDR B ** E4R** **XDR+ C4 ** E4R** **XDR+ B ** E4R** **XDR+ B4 ** E4R** **XDR2 C ** E4R** **XDR2 C4 ** E4R** **XDR2 B ** E4R** **XDR2 B4 ** E4R** **XDR2 MC4 ** E4R** **XDR2 MB4 ** E4R** **XDR3 MB ** E4R** **XDR3 MB4 ** E4R** **XDR3 MC ** E4R** **XDR3 MC4 ** E4R**	**Transport**	Standard	**43650** *96248*	**47750** *105289*	**51850** *114329*	**55950** *123370*	**60000** *132300*	**62050** *136820*	**64100** *141341*			

	Machine - Utilisation	bar psi	5 73	5.5 80	6 87	6.5 94	7 102					
XDR C4 ** E4R **XDR B ** E4R** **XDR B4 ** E4R**	**Transport**	Standard	**63000** *138915*	**68000** *149940*	**73000** *160965*	**75500** *166478*	**78000** *171990*					

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)

57" CONTINUED

50/80 R 57 Tubeless

MICHELIN® XDR C4 E4R ** 929814	26 *16.2*	1394 *955*	1253 *49.3*	3625 *142.7*	1577 *62.1*	10798 *425.1*	94 *118.4*	1536 *60.5*	6420 *1696*	32.00/6.0 [4.8] **32.00/6.0 [5.2]** 34.00/6.0	See page 84 to 89
MICHELIN® XDR B E4R ** 966177	24 *14.9*	1286 *881*									
MICHELIN® XDR B4 E4R ** 310787	20 *12.4*	1072 *734*									

50/80 R 57 Tubeless

MICHELIN® XDR250 C E4R ** 195241	30 *18.6*	1608 *1101*	1204 *47.4*	3610 *142.1*	1586 *62.4*	10791 *424.8*	94 *118.4*	1420 *55.9*	6150 *1625*	29.00/6.0 [5.7] 29.00/6.0 [5.2] **32.00/6.0 [5.2]** 32.00/6.0 [4.8]	See page 84 to 89
MICHELIN® XDR250 C4 E4R ** 253293	27 *16.8*	1447 *991*									
MICHELIN® XDR250 B E4R ** 274589	24 *14.9*	1286 *881*									
MICHELIN® XDR250 B4 E4R ** 371742	20 *12.4*	1072 *734*									

50/90 R 57 Tubeless

MICHELIN® XDR C4 E4R ** 388084	28 *17.4*	1747 *1197*	1260 *49.6*	3840 *151.2*	1701 *67*	11513 *453.3*	107 *134.8*	1537 *60.5*		**32.00/6.5**	See page 84 to 89
MICHELIN® XDR B E4R ** 894079	24 *14.9*	1498 *1026*									
MICHELIN® XDR B4 E4R ** 289603	20 *12.4*	1248 *855*									

55/80 R 57 Tubeless

MICHELIN® XMINE D2 LC L5R * 594400	10 *6.2*		1430 *56.3*	3740 *147.2*	1636 *64.4*	11161 *439.4*	119 *149.9*		7967 *2105*	42.00/5.0 **44.00/5.0**	See page 84 to 89
MICHELIN® XMINE D2 SR L5R * 635563	6 *3.7*										
MICHELIN® XMINE D2 HR L5R * 817367											

60/80 R 57 Tubeless

MICHELIN® XMINE D2 SR L5R * 964380	6 *3.7*		1520 *59.8*	3949 *155.5*	1713 *67.4*	11750 *462.6*	118 *148.7*		10022 *2648*	**47.00/5.0**	See page 84 to 89
MICHELIN® XMINE D2 HR L5R * 114447											

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

57" CONTINUED

	Machine - Utilisation		bar	5	5.5	6	6.5	7					
			psi	73	80	87	94	102					
XDR C4 ** E4R **XDR B ** E4R** **XDR B4 ** E4R**	Transport	Standard		57820 127493	62410 137614	67000 147735	69290 152784	71590 157856					

	Machine - Utilisation		bar	5	5.5	6	6.5	7	7.5	8			
			psi	73	80	87	94	102	109	116			
XDR250 C ** E4R **XDR250 C4 ** E4R** **XDR250 B ** E4R** **XDR250 B4 ** E4R**	Transport	Standard		55000 121275	59000 130095	63000 138915	67000 147735	69000 152145	71000 156555	73000 160965			

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.5	7	7.5		
			psi	58	65	73	80	87	94	102	109		
XDR C4 ** E4R **XDR B ** E4R** **XDR B4 ** E4R**	Transport	Standard		52850 116534	57800 127449	62750 138364	67700 149279	72650 160193	75320 166081	78000 171990	80660 177855		

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.5	7			
			psi	58	65	73	80	87	94	102			
XMINE D2 LC *L5R XMINE D2 SR *L5R XMINE D2 HR *L5R	Loaders	Front laden		75000 165375	80000 176400	85000 187425	90000 198450	95000 209475	100000 220500	105000 231525			
		Rear unladen		60000 132300	64000 141120	68000 149940	72000 158760	76000 167580	80000 176400	84000 185220			

	Machine - Utilisation		bar	4	4.5	5	5.5	6	6.5	7			
			psi	58	65	73	80	87	94	102			
XMINE D2 SR *L5R XMINE D2 HR *L5R	Loaders	Front laden		75000 165375	83000 183015	91000 200655	99000 218295	107000 235935	115000 253575	123000 271215			
		Rear unladen		60000 132300	66400 146412	72800 160524	79200 174636	85600 188748	92000 202860	98400 216972			

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)
63"											
53/80 R 63 Tubeless											
MICHELIN® XDR C4 E4R ** 632032 (8)	28 *17.4*	1837 *1258*	1342 *52.8*	3776 *148.7*	1638 *64.5*	11234 *442.3*	105 *132.3*	1637 *64.4*	7650 *2021*	36.00/5.0 [5] **36.00/5.0 [5.5]**	See page 84 to 89
MICHELIN® XDR B E4R ** 026549 (8)	24 *14.9*	1574 *1078*									
MICHELIN® XDR2 C4 E4R ** 782508 (8)	28 *17.4*	1837 *1258*	1360 *53.5*	3803 *149.7*	1652 *65*	11322 *445.7*	110 *138.6*		7625 *2015*		
MICHELIN® XDR2 B E4R ** 077134	24 *14.9*	1574 *1078*									
MICHELIN® XDR2 B4 E4R ** 227848	20 *12.4*	1312 *899*									
MICHELIN® XDR2 MC4 E4R ** 038101 (9)	28 *17.4*	1837 *1258*									
MICHELIN® XDR2 MB4 E4R ** 820930 (9)	20 *12.4*	1312 *899*									
53/80 R 63 Tubeless											
MICHELIN® XDR C4 E4R ** 632032 (8)	28 *17.4*	1837 *1258*	1362 *53.6*	3776 *148.7*	1638 *64.5*	11234 *442.3*	105 *132.3*	1660 *65.4*	7650 *2021*	38.00/5.0 [5] **38.00/5.0 [5.5]**	See page 84 to 89
MICHELIN® XDR B E4R ** 026549 (8)	24 *14.9*	1574 *1078*							7845 *2073*		
MICHELIN® XDR2 C4 E4R ** 782508 (8)	28 *17.4*	1837 *1258*	1380 *54.3*	3803 *149.7*	1655 *65.2*	11329 *446*	110 *138.6*		7822 *2067*		
MICHELIN® XDR2 B E4R ** 077134	24 *14.9*	1574 *1078*									
MICHELIN® XDR2 B4 E4R ** 227848	20 *12.4*	1312 *899*									
MICHELIN® XDR2 MC4 E4R ** 038101 (9)	28 *17.4*	1837 *1258*									
MICHELIN® XDR2 MB4 E4R ** 820930 (9)	20 *12.4*	1312 *899*									
53/80 R 63 Tubeless											
MICHELIN® XDR3 MC E4R ** 709804	30 *18.6*	1980 *1356*	1380 *54.3*	3803 *149.7*	1653 *65.1*	11324 *445.8*	110 *138.6*	1669 *65.7*	7822 *2067*	**36.00/5.0 [5.5]** 36.00/5.0 [5] 38.00/5.0 [5.5] 38.00/5.0 [5]	See page 84 to 89
MICHELIN® XDR3 MC4 E4R ** 031154	28 *17.4*	1848 *1266*									
MICHELIN® XDR3 MB E4R ** 302446	24 *14.9*	1584 *1085*									
MICHELIN® XDR3 MB4 E4R ** 176236	20 *12.4*	1320 *904*									

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

63"

	Machine - Utilisation	bar / psi	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	6.8 / 99	7 / 102		
XDR C4 ** E4R XDR B ** E4R XDR2 C4 ** E4R XDR2 B ** E4R XDR2 B4 ** E4R XDR2 MC4 ** E4R XDR2 MB4 ** E4R	**Transport**	Standard	**59660** *131550*	**65240** *143854*	**70830** *156180*	**76410** *168484*	**82000** *180810*	**84270** *185815*	**85630** *188814*	**86530** *190799*		

	Machine - Utilisation	bar / psi	4 / 58	4.5 / 65	5 / 73	5.5 / 80	6 / 87	6.5 / 94	6.8 / 99	7 / 102		
XDR C4 ** E4R XDR B ** E4R XDR2 C4 ** E4R XDR2 B ** E4R XDR2 B4 ** E4R XDR2 MC4 ** E4R XDR2 MB4 ** E4R	**Transport**	Standard	**59660** *131550*	**65240** *143854*	**70830** *156180*	**76410** *168484*	**82000** *180810*	**85010** *187447*	**86820** *191438*	**88030** *194106*		

	Machine - Utilisation	bar / psi	4.5 / 65	5 / 73	5.25 / 76	5.5 / 80	5.75 / 83	6 / 87	6.25 / 91	6.5 / 94	6.75 / 98	7 / 102
XDR3 MC ** E4R XDR3 MC4 ** E4R XDR3 MB ** E4R XDR3 MB4 ** E4R	**Transport**	Standard	**67000** *147735*	**71000** *156555*	**75000** *165375*	**77500** *170888*	**80000** *176400*	**82500** *181913*	**83750** *184669*	**85010** *187447*	**86820** *191438*	**88275** *194646*

CHARACTERISTICS OF MICHELIN® EARTHMOVER TIRES

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist./ hour km *Miles*	TKPH *TMPH* (1)	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual Spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (3) - (4)	Fitment and accessories (rim,seal, flap, tube...) (4)

63" CONTINUED

56/80 R 63 Tubeless

MICHELIN® XDR S C4 E3 ** 399372	36 *22.4*	2765 *1894*	1430 *56.3*	3997 *157.4*	1716 *67.6*	11848 *466.5*	59 *74.3*		10094 *2667*	**41.00/5.0 [6.0]** 41.00/5.0 [5.5]	See page 84 to 89
MICHELIN® XDR S B E3 ** 536061	32 *19.9*	2458 *1684*									
MICHELIN® XDR C4 E4R ** 282261 (8)	28 *17.4*	2150 *1473*	1425 *56.1*	3998 *157.4*	1727 *68*	11876 *467.6*	105 *132.3*		9547 *2522*		
MICHELIN® XDR B E4R ** 819341	24 *14.9*	1843 *1262*									
MICHELIN® XDR B4 E4R ** 380744	20 *12.4*	1536 *1052*						1745 *68.7*			
MICHELIN® XDR2 C4 E4R ** 509256 (8)	28 *17.4*	2150 *1473*	1421 *55.9*	4015 *158.1*	1735 *68.3*	11930 *469.7*	110 *138.6*		9404 *2485*		
MICHELIN® XDR2 MC4 E4R ** 194258											
MICHELIN® XDR2 B E4R ** 034330	24 *14.9*	1843 *1262*									
MICHELIN® XDR2 B4 E4R ** 981620	20 *12.4*	1536 *1052*									

59/80 R 63 Tubeless

MICHELIN® XDR S C4 E3 ** 784092	32 *19.9*	2535 *1736*	1501 *59.1*	4028 *158.6*	1734 *68.3*	11951 *470.5*	71 *89.4*		10600 *2801*	44.00/5.0 [5.5] **44.00/5.0 [6.0]**	See page 84 to 89
MICHELIN® XDR S B E3 ** 364848 (8)	28 *17.4*	2218 *1519*									
MICHELIN® XDR2 S C4 E3 ** 416409	32 *19.9*	2535 *1736*	1495 *58.9*	4029 *158.6*		11954 *470.6*	72 *90.7*		10640 *2811*		
MICHELIN® XDR2 S B E3 ** 532463	28 *17.4*	2218 *1519*									
MICHELIN® XDR B E4R ** 443800 (8)	24 *14.9*	1901 *1302*	1503 *59.2*	4028 *158.6*	1732 *68.2*	11946 *470.3*	116 *146.1*	1834 *72.2*	10160 *2684*		
MICHELIN® XDR B4 E4R ** 037664 (8)	20 *12.4*	1584 *1085*									
MICHELIN® XDR2 C4 E4R ** 621230 (8)	28 *17.4*	2218 *1519*			1742 *68.6*	11971 *471.3*	118 *148.7*		10060 *2658*		
MICHELIN® XDR2 MC4 E4R ** 841736											
MICHELIN® XDR2 B E4R ** 382280	24 *14.9*	1901 *1302*									
MICHELIN® XDR2 B4 E4R ** 441191	20 *12.4*	1584 *1085*									

TIRE LOAD IN KG/LB - TIRE PRESSURE IN BAR/PSI

Tread type	Identification code (11)	Explanations on how to choose the tire and to determine the inflation pressures Refer to explanations and methods allowing to determine the inflation pressure (10)

63" CONTINUED

	Machine - Utilisation	bar *psi*	5 *73*	5.5 *80*	6 *87*	6.5 *94*	6.7 *97*					
XDR S B E3 ** ***XDR S C4 ** E3*** ***XDR C4 ** E4R*** ***XDR B ** E4R*** ***XDR B4 ** E4R*** ***XDR2 C4 ** E4R*** ***XDR2 MC4 ** E4R*** ***XDR2 B ** E4R*** ***XDR2 B4 ** E4R***	**Transport**	Standard	**82920** *182839*	**89460** *197259*	**96000** *211680*	**98900** *218075*	**100000** *220500*					

	Machine - Utilisation	bar *psi*	6 *87*	6.5 *94*	6.8 *99*							
XDR S C4 ** E3 ***XDR S B ** E3*** ***XDR2 S C4 ** E3*** ***XDR2 S B ** E3*** ***XDR B ** E4R*** ***XDR B4 ** E4R*** ***XDR2 C4 ** E4R*** ***XDR2 MC4 ** E4R*** ***XDR2 B ** E4R*** ***XDR2 B4 ** E4R***	**Transport**	Standard	**100000** *220500*	**102100** *225131*	**104000** *229320*							

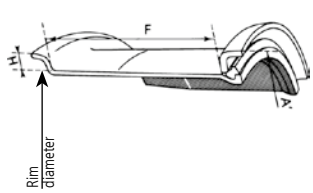
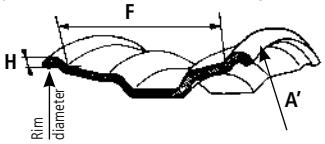
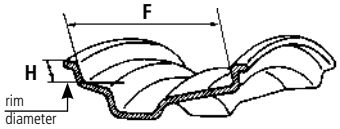
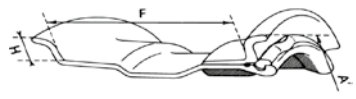
NOTES

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES 84

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES

APPROVED RIMS FOR MICHELIN EARTHMOVER TIRES

Check that the rim load capacity meets or exceeds that of the tire.

RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES		RIM R/A(**)	TIRE SIZES	SEAL	TL	TT
FLAT BASE RIMS 	15 - **6.00 S**	152.4 6.0	33.3 1.3	387,0	381,0	A	7.50 R 15	none		
	20 - **7.33 V**	186.2 7.3	44 **1.7**	511,2	508,0	A	9.00 R 20 XMINE D2	**Tyran** (A 20)	NA	2
						A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **8.00 V**	203.2 8.0	44 **1.7**			A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **8.50 V**	215.9 8.5	44 **1.7**			A	12.00 R 20 XMINE D2		NA	2
						A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **9.00 V**	228.6 9.0	44 **1.7**			A	12.00 R 20 XMINE D2		NA	2
						A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **10.00 V**	254 10.0	44 **1.7**			A	E 20 P (13/80 R 20)		NA	2
	20 - **10.00 W**	254 10.0	51 **2.0**			R	16.00 R 20 XZL		2	2
						A	14.00 R 20 XMINE D2		2	2
	20 - **11.25**	286 11.3	51 **2.0**	511,0		A	16.00 R 20 XZL	none	2	2
	21 - **18.00**	457.2 18.0	38 **1.5**			R	24 R 21	(OR 6.8-21)		
	24 - **7.33 V**	186.2 7.3	44 **1.7**	612,8	609,6	A	12.00 R 24 ***	none		
						A	12.00 R 24 XMINED2	G25	2	2
	24 - **8.00 V**	203.2 8.0	44 **1.7**			A	12.00 R 24 ***	none		
						A	12.00 R 24 XMINED2	G25	2	2
	24 - **8.50 V**	216 8.5	44 **1.7**			A	12.00 R 24 ***	none		
						A	12.00 R 24 XMINED2	G25	2	2
	24 - **9.00 V**	228.6 9.0	44 **1.7**			A	14.00 R 24 ***	none		
						A	15.00 R 24 Pil	none		
	24 - **10.00 W**	254 10.0	51 **2.0**			A	14.00 R 24 ***	none	2	2
						A	15.00 R 24 Pil	none	2	2
						A	385/95 R 24	none	2	2
15° TAPER DROP CENTRE RIMS *(DC - DROP CENTRE)* 	20.5 x **16.00**	406.5 16.0	12.7 **0.5**	520,7		R	525/65 R 20.5	none		
	20.5 x **18.00**	457 18.0	12.7 **0.5**			R	24 R 20.5			
5° TAPER DROP CENTRE RIMS *(DC - DROP CENTRE)* 	24 x **9.00/1.5**	228 9.0	38 **1.5**	614,4		A	14.00 R 24 * TG			
	25 x **12.00/1.3**	305 12.0	33 **1.3**	635,0		A	15.5 R 25 * L2 - L3			
	25 x **13.00/1.4**	330 13.0	36 **1.4**			A A	15.5 R 25 * L2 - L3 17.5 R 25 * L2 - L3			
	25 x **14.00/1.3**	355 14.0	33 **1.3**			A	17.5 R 25 * L2 - L3			
	25 x **14.00/1.5**	355 14.0	38 **1.5**			A	17.5 R 25 * L2 - L3			
	635 x 280 CR	280 11.0	43 **1.7**			A	445/95 R 25 XCRANE +			
5° TAPER SEMI DROP CENTRE RIMS *(SDC - SEMI DROP CENTRE)* 	24 - **8.00 TG SDC**	203 8.0	35.5 **1.4**	614,4			13.00 R 24 * TG	**Heupo** (OR 2-25)		
						R	14.00 R 24 * TG			
	24 - **10.00 VA SDC**	254 10.0	43 **1.7**			A R	14.00 R 24 * TG 16.00 R 24 * TG			

** R = recommended - A = Allowed

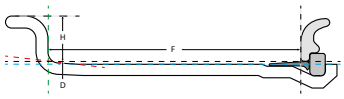
see note page 24 about TG tire fitment

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES

APPROVED RIMS FOR MICHELIN EARTHMOVER TIRES

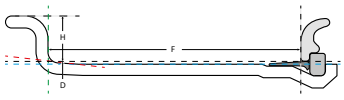
Check that the rim load capacity meets or exceeds that of the tire.

5° TAPER BEAD SEAT RIMS



(removable bead seat, split)

5° TAPER BEAD SEAT RIMS (ADVANCED RIM)



(removable bead seat, split)

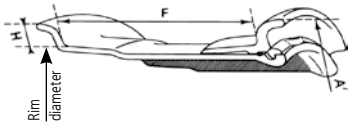
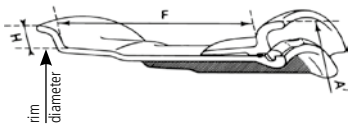
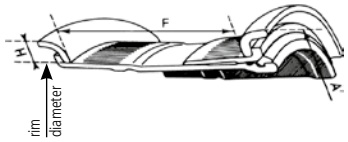
RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM		RIM R/A(**)	TIRE SIZES	SEAL	TL	TT
5° TAPER BEAD SEAT RIMS (removable bead seat, split)	15 - **B 6.5**	165.1 6.5	38.1 **1.5**	385,8	385,8	A A	7.50 R 15 8.25 R 15	none		
	15 - **10.50**	267 10.5	38 **1.5**			R A	14.5 R 15 350/65 R 15			
	20 - **B 6.5**	165.1 6.5	38.1 **1.5**	512,8	512,8	A	9.00 R 20	**Tyran** (A 20)		
	20 - **B 7.0**	177.8 7.0	38.1 **1.5**			A	9.00 R 20 XMINE D2		NA	2
	20 - **B 7.5**	190.5 7.5	43.2 **1.7**			A	9.00 R 20 XMINE D2		NA	2
						A	E-20 (13/80 R 20) Pil XLC		NA	2
	20 - **B 8.0**	203.2 8.0	43.2 **1.7**			A	E-20 (13/80 R 20) Pil XLC		NA	2
	20 - **B 8.5**	216 8.5	45.7 **1.8**			A	12.00 R 20			
						A	E-20 (13/80 R 20) Pil XLC		NA	2
5° TAPER BEAD SEAT RIMS (ADVANCED RIM) (removable bead seat, split)	15 - **5.5**	139.7 5.5	30.5 **1.2**	387,4	387,0	A	7.50 R 15	none		
	15 - **6.0**	152.4 6.0	33 **1.3**			R A	7.50 R 15 8.25 R 15			
	15 - **6.5**	165.1 6.5	35.6 **1.4**			A R	7.50 R 15 8.25 R 15			
	15 - **7.0**	177.8 7.0	38 **1.5**			A A	10.00 R 15 8.25 R 15			
	15 - **7.5**	190.5 7.5	40.6 **1.6**			R	10.00 R 15			
	15 - **11.0**	267 10.5	38 **1.5**			A	14.5 R 15			
	15 - **11.00 BD**	267 10.5	36 **1.4**			A	14.5 R 15			
	15 - **11.50**	267 10.5	38 **1.5**			A	14.5 R 15			
						R	350/65 R 15			
						R	400/80 R 15			
	20 - **6.5**	165.1 6.5	35.6 **1.4**	514,4	514,0	A	9.00 R 20 XMINED2	**Tyran** (A 20)	NA	2
	20 - **7.0**	177.8 7.0	38 **1.5**			R	9.00 R 20 XMINED2		NA	2
	20 - **7.0 T**	177.8 7.0	38.1 **1.5**			A	9.00 R 20 XMINED2		NA	2
	20 - **7.5**	190.5 7.5	40.6 **1.6**			A	9.00 R 20 XMINED2		NA	2
						A	E 20 P (13/80 R 20)			
	20 - **8.0**	203.2 8.0	43.2 **1.7**			A	12.00 R 20 XMINED2		NA	2
						A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **8.0 V**	203.0 8.0	44.4 **1.7**			A	E 20 (13/80 R 20)Pil XLC		NA	2
	20 - **8.5**	215.9 8.5	45.7 **1.8**			R	12.00 R 20 XMINED2		NA	2
						A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **8.5 V**	216 8.5	44.4 **1.7**			A	12.00 R 20 XMINED2		NA	2
						A	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **9.0**	228.6 9.0	48.3 **1.9**			A	12.00 R 20 XMINED2		NA	2
						R	E 20 (13/80 R 20) Pil XLC		NA	2
	20 - **10.0**	254 10.0	50.8 **2.0**			A	E 20 (13/80 R 20) Pil XLC		NA	2
						R	14.00 R 20 XMINED2		NA	0
	24 - **7.5**	190,5 7.5	**40,5** **1.6**	616,0	615,6	A	12.00 R 24 XMINED2	G25	2	2
						A	12.00 R 24 XSMD2	G25	2	2
						A	12.00 R 24 XKA***	G25	2	2
	24 - **8.0**	203.2 8.0	43.2 **1.7**			A	12.00 R 24 ***	none		
						A	12.00 R 24 XMINED2	G25	NA	2
	24 - **8.5**	215.9 8.5	45.7 **1.8**			R	12.00 R 24 ***	G25	NA	2
							12.00 R 24 XMINED2			
	24 - **9.0**	228.6 9.0	48.3 **1.9**			A	14.00 R 24 non TG	G25	NA	0
						A	15.00 R 24 Pil	G25	NA	0
	24 - **10.0**	254 10.0	50.8 2.0			R	14.00 R 24 non TG	G25	NA	0
						R	15.00 R 24 Pil		NA	0
						R	385/95 R 24		NA	0

** R = recommended - A = Allowed

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES

APPROVED RIMS FOR MICHELIN EARTHMOVER TIRES

Check that the rim load capacity meets or exceeds that of the tire.

RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES	RIM R/A(**)	TIRE SIZES	SEAL	TL	TT
5° TAPER BEAD SEAT RIMS (3 PIECES) 	24 - **11.25/1.3**	286 11.3	33 **1.3**	616,0	A	385/95 R 24 XCRANE	G25	NA	0
	25 - **10.00/1.5**	254 10.0	38 **1.5**	635,0	R A	14.00 R 25 385/95 R 25	**Heupo** (OR 2-25)		
	25 - **11.25/1.3**	286 11.3	33 **1.3**		A A	14.00 R 25 385/95 R 25			
	25 - **11.25/2.0 IF**(*)	284 11.2	51 **2.0**		A R A	14.00 R 25 16.00 R 25 445/95 R 2	**Sulla** (OR 3-25)		
	25 - **12.00/1.3**	305 12.0	33 **1.3**		R R	15.5 R 25 385/95 R 25	**Heupo** (OR 2-25)		
	25 - **13.00/2.5 IF**(*)	330 13.0	63.5 **2.5**		R R	18.00 R 25 505/85 R 25	**Sulla** (OR 3-25)		
	25 - **14.00/1.3**	356	33		R	445/80 R 25	**Heupo** (OR 2-25)		
		14.0	**1.3**						
	25 - **14.00/1.5**	355 14.0	38 **1.5**		R A	17.5 R 25 445/80 R 25			
	25 - **15.00/3.0 IF**(*)	381 15.0	76 **3.0**		R	21.00 R 25	**Sulla** (OR 3-25)		
	25 - **17.00/1.7**	432 17.0	43 **1.7**		R R	20.5 R 25 * 550/65 R 25	**Heupo** (OR 2-25)		
					A	600/65R25 XLD65			
	25 - **17.00/2.0 IF**(*)	432 17.0	51 2.0		R	20.5 R 25	**Sulla** (OR 3-25)		
					A A	525/80 R 25 **550/65 R 25**			
					A	600/65R25 XLD65			
	25 - **19.50/2.5 IF**(*)	495 19.5	63.5 **2.5**		R	23.5 R 25			
					R	600/65 R 25 650/65 R 25 660/65 R 25			
	25 - **22.00/3.0 IF**(*)	559 22.0	76 **3.0**		R	26.5 R 25			
					R	650/65 R 25 660/65 R 25 750/65 R 25			
	25 - **25.00/3.5 IF**(*)	635 25.0	89 **3.5**		R R	29.5 R 25 850/65 R 25			
"CR" RIMS 3 PIECE FOR CRANES 	25 - **9.50/1.7 CR**	241 9.5	43 1.7	635	A A	14.00 R 25 385/95 R 25	**Sulla** (OR 3-25)		
	25 - **11.00/1.7 CR**	279 11.0	43 1.7		A A	16.00 R 25 445/95 R 25			
	25 - **14.00/1.7 CR**	355 14.0	43 1.7		A A	17.5 R 25 445/80 R 25			
	25 - **17.00/1.7 CR**	432 17.0	43 1.7		A A	20.5 R 25 525/80 R 25			
5° TAPER BEAD SEAT RIMS (5 PIECES) 	25 - **10.00/2.0**	254 10.0	51 2.0		A	505/85 R 25	**Sulla** (OR 3-25)		
	25 - **11.25/2.0**	284 11.2	51 2.0		A R A	14.00 R 25 16.00 R 25 445/95 R 25			
	25 - **13.00/2.0**	330 13.0	51 2.0		A	16.00 R 25			

** R = recommended - A = Allowed

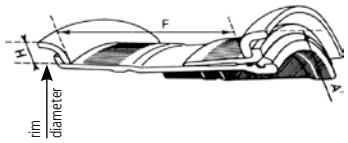
(*) New wheels have additional marking "IF".
The IF flanges feature an Integrated Flange, suited for radial tires.
The width of the flange is larger.

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES

APPROVED RIMS FOR MICHELIN EARTHMOVER TIRES

Check that the rim load capacity meets or exceeds that of the tire.

5° TAPER BEAD SEAT RIMS (5 PIECES)



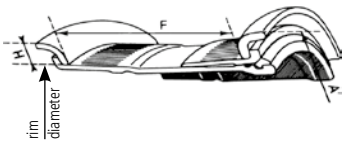
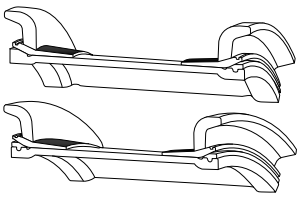
RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES	RIM R/A(**)	TIRE SIZES	SEAL TL	SEAL TT
	25 - **13.00/2.5**	330 13.0	63.5 2.5		R	18.00 R 25		
					R	505/85 R 25		
	25 - **15.00/2.5**	381 15.0	63.5 2.5		A	18.00 R 25		
					A	505/85 R 25		
	25 - **15.00/3.0**	381 15.0	76 3.0		R	21.00 R 25		
	25 - **17.00/2.0**	432 17.0	51 2.0		R	20.5 R 25		
					A	525/80 R 25		
					R	550/65 R 25		
					A	600/65R25 XLD65		
	25 - **17.00/3.0**	432 17.0	76 3.0		A	21.00 R 25		
	25 - **19.50/2.0**	495 19.5	51 2.0		A	25/26 R 25		
	25 - **19.50/2.5**	495 19.5	63.5 2.5	635	R	23.5 R 25		
					R	600/65 R 25	**Sulla** (OR 3-25)	
					R	650/65 R 25 660/65 R 25		
					R	660/65 R 25		
	25 - **20.00/2.0**	508 20.0	51 2.0		A	25/26 R 25		
	25 - **22.00/3.0**	559 22.0	76 3.0		R	26.5 R 25		
					R	650/65 R 25		
					R	660/65 R 25 750/65 R 25		
					A	750/65 R 25		
	25 - **24.00/3.0**	610 24.0	76 3.0		R	750/65 R 25		
	25 - **25.00/3.0**	635 25.0	76 3.0		R	750/65 R 25		
	25 - **25.00/3.5**	635 25.0	89 3.5		R	29.5 R 25		
					R	850/65 R 25		
	25 - **27.00/3.5**	687 27.0	89 3.5		A	850/65 R 25		
	29 - **22.00/3.0**	559 22.0	76 3.0	737	R	26.5 R 29	**Sulky** (OR 3-29)	
					A	30/65 R 29		
	29 - **24.00/3.0**	610 24.0	76 3.0		R	30/65 R 29		
					A	26.5 R 29		
	29 - **24.00/3.5**	610 24.0	89 3.5		A	29.5 R 29		
					A	800/65 R 29		
	29 - **25.00/3.5**	635 25.0	89 3.5		R	29.5 R 29		
	29 - **27.00/3.0**	687 27.0	76 3.0		R	800/65 R 29		
					R	875/65 R 29		
	29 - **27.00/3.5**	686 27.0	89 3.5		R	33.25 R 29		

** R = recommended - A = Allowed

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES

APPROVED RIMS FOR MICHELIN EARTHMOVER TIRES

Check that the rim load capacity meets or exceeds that of the tire.

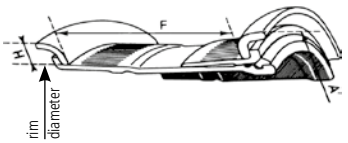
RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES	RIM R/A(**)	TIRE SIZES	SEAL	TL	TT
5° TAPER BEAD SEAT RIMS (5 PIECES) 	33 - **13.00/2.5**	330 13.0	63.5 2.5	838		18.00 R 33	**Strix** (OR 3-33)		
	33 - **15.00/3.0**	381.0 15	76.2 3.0		R	21.00 R 33			
	33 - **28.00/4.0**	711 28.0	101.5 4.0		A	33.5 R 33			
	33 - **28.00/3.5**	711 28.0	89 3.5		A	35/65 R 33			
	33 - **32.00/4.5**	813 32.0	114.5 4.5		R	37.5 R 33			
	35 - **15.00/3.0**	381 15.0	76 3.0	889	R	21.00 R 35	**Stras** (OR 3-35)		
	35 - **17.00/3.0**	432 17.0	76 3.0		A	21.00 R 35			
	35 - **17.00/3.5**	432 17.0	89 3.5		R	24.00 R 35			
	35 - **25.00/3.5**	635 25.0	89 3.5		R	29.5 R 35			
	35 - **27.00/3.5**	686 27.0	89 3.5		R	33.25 R 35			
					A	29.5 R 35			
	35 - **29.00/3.5**	737 29.0	89 3.5		A	33.25 R 35			
					A	37.25 R 35			
	35 - **31.00/4.0**	787 31.0	101.5 4.0		R	37.25 R 35			
	39 - **32.00/4.5**	813 32.0	114.5 4.5	991	R	37.5 R 39	**Fuodi** (OR 3-39)		
					R	40.5/75 R 39			
					A	45/65 R 39			
	45 - **36.00/4.5**	914 36.0	114.5 4.5	1143	R	45/65 R 39	**Réf. 1580** (OR 3-45)		
					R	45/65 R 45			
5° TAPER BEAD SEAT RIMS (5 PIECES) 	49 - **17.00/3.5**	432 17.0	89 3.5	1245	R	24.00 R 49	**Heyco** (OR 3-49)		
	49 - **19.50/4.0**	495 19.5	101.5 4.0		R	27.00 R 49			
	51 - **22.00/4.5**	559 22.0	114.5 4.5	1295	R	30.00 R 51	**Réf. 1479** (OR 4-51)		
	51 - **24.00/5.0**	610 24.0	127 5.0		R	33.00 R 51			
	51 - **26.00/5.0**	660 26.0	127 5.0		R	36.00 R 51			

** R = recommended - A = Allowed

COMPONENTS USED WITH MICHELIN® EARTHMOVER TIRES

APPROVED RIMS FOR MICHELIN EARTHMOVER TIRES

Check that the rim load capacity meets or exceeds that of the tire.

RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES	RIM R/A(**)	TIRE SIZES	SEAL	
							TL	TT
5° TAPER BEAD SEAT RIMS (FROM 6 TO 8 PIECES) 	57 - **27.00/6.0**	686 27.0	152 6.0	1448	R	37.00 R 57	**Réf. 1481** (OR 4-57)	
	57 - **29.00/6.0**	736 29.0	152 6.0		R	40.00 R 57		
					A	37.00 R 57		
					A	50/80 R 57 XDR250		
	57 - **32.00/5.0**	813 32.0	127 5.0		A	40.00 R 57		
	57 - **32.00/6.0**	813 32.0	152 6.0		A	40.00 R 57		
					R	50/80 R 57 XDR250		
					A	50/80 R 57 XDR		
	57 - **32.00/6.5**	813 32.0	165 6.5		A	50/90 R 57		
	57 - **34.00/6.0**	863 34.0	152 6.0		A	50/80 R 57 XDR		
	57 - **42.00/5.0**	1067 42.0	127 5.0		A	55/80 R 57		
	57 - **44.00/5.0**	1117 44.0	127 5.0		A	55/80 R 57		
	57 - **47.00/5.0**	1194 47.0	127 5.0		A	60/80 R 57		
	63 - **36.00/5.0**	914 36.0	127 5.0	1600	A	53/80 R 63	**Réf. 2053** (OR 4-63	
	63 - **38.00/5.0**	965 38.0	127 5.0		A	53/80 R 63		
	63 - **41.00/5.0**	1041 41.0	127 5.0		A	55/80 R 63		
					A	56/80 R 63		
	63 - **44.00/5.0[6.0]**	1117 44.0	127 5.0		A	59/80 R 63		

** R = recommended - A = Allowed

TUBES AND FLAPS FOR MICHELIN® EARTHMOVER TIRES

RIM DIAMETER	FITS TIRE SIZES	TUBE REFE-RENCE	TUBE VALVE OFFSET	VALVE REFERENCE	VALVE TYPE (#)	TUBE + VALVE CAI	FLAP REFERENCE	FLAP CAI	FLAP HOLE OFFSET
15"	7.50 R 15	15/16 J	0	570	SC	101106	15 x 6.00 (8)	511268	
	8.25 R 15	15 K	0	1156	SC	101128	15 x 6.00 E (a)	843437	0
							15 x 7.50 (8)	084220	
	10.00 R 15	15 P	0	582	TC	510204	15 x 7.50 E (a)	904287	0
20"	9.00 R 20	20M	0	1157	SC	101153	20 x 7.50 E (a)	320222	0
	E 20 Pilote	20 P	0	1158	SC	101173	20 x 8.50 (8)	111005	
	12.00 R 20	20 Q	0	1158	SC	101192	20 x 8.50 E (a)	162318	0
	14.00 R 20	20 Q	0	1158	SC	101192	20x10.00 (8)	004489	
	16.00 R 20	20 V	0	576	SC	511937	20x10.00 E	622293	0
20.5"	525/65 R 20.5	19.5/20.5 UD	75	1964	DR	101280	-	-	
	24 R 20.5	20.5 WAMD	100	1837 (TRJ650)	SC	101331	-	-	
21"	24 R 21	21 WAM	0	1837 (TRJ650)	SC	101333	17-20 (8)	551436	
24"	12.00 R 24	24 Q	0	582	TC	101196	24/25 x 8.50 (8)	001444	
							24/25 x 8.50 E (a)	018130	0
	14.00 R 24 TG on DC and SDC rims 13.00 R24 TG on DC and SDC rims	KLEBER 703	127	TR 218A	DR	171114	13-24 DR (8)	102902	
		M703	127			27015			
	14.00 R 24 TG on DC and SDC rims	24 TD	35	577	SC	101244			
24/25"	14.00 R 24 on flat base rims	24/25 T	0	752	SC	514503	13.00/14.00-24 METAL INSERT GOODTIRE	395189	0
	15.00 R 24								
	385/95 R 24						(except 11.25 rim) 13.00/14.00-24 METAL INSERT GOODTIRE	395189	0
	385/95 R 24								
	14.00 R 25								
	13.00 R 25						24/25 x 8.50 (8)	001444	
							24/25 x 8.50 E	018130	
	14.00 R 24 on flat base rims	24/25 T AM	0	1837 (TRJ650)	SC	101781	13.00/14.00-24 METAL INSERT GOODTIRE	395189	0
	15.00 R 24								
	14.00 R 25						(except 11.25 rim) 13.00/14.00-24 METAL INSERT GOODTIRE	395189	
	17.5 R 25						16-24/25 (8)	551608	
	445/80 R 25								
	16.00 R 25	24/25 V AM	0	1837 (TRJ650)	SC	101811	14-24/25 (8)	551604	
	445/95 R 25								
	20.5 R 25						17-24/25 (8)	551610	
	16.00 R 24* on SDC rims	24/25 VD	35	577	SC	101299	13-24 DR (8)	102902	
25"	15.5 R 25	25 S AM	0	1837 (TRJ650)	SC	101771	15-24/25 (8)	551606	
	18.00 R 25	25 W AM	0	1837 (TRJ650)	SC	101871	16-24/25 (8)	551608	
	23.5 R 25						18-24/25 (8)	551612	
	21.00 R 25	25 YB AM	0	1837 (TRJ650)	SC	101346	17-24/25 (8)	551610	
	26.5 R 25						18-24/25 (8)	551612	
	29.5 R 25						18-24/25 (8)	102610	
29"	26.5 R 29	29 W AM	0	1837 (TRJ650)	SC	101823	19-29 (8)	102620	
	29.5 R 29 33.25 R 29	29 YE AM1 (8)		1837 (TRJ650)	SC	101803			
33"	18.00 R 33	33 VF AM (8)		1837 (TRJ650)	SC	101321	16-33 (8)	551760	
	33.5 R 33	33/35 YE AM (8)		1837 (TRJ650)	SC	101833	20-33 (8)	551770	
35"	24.00 R 35						16-35 (8)	551800	
	29.5 R 35			1837 (TRJS650)	SC	101833	20-35 (8)	551808	
	33.25 R 35								
	37.25 R 35								

(#) DR = straight valve, SC = single bend valve, DC = double bend valve, TC = triple bend valve, see on following pages the parte 'valves and associated accessories'.

EXPLANATIONS ON THE TUBE MARKINGS

example1: **24/25 V AM** example2: **25 YB AM**

The first two numbers indicate the bead seat (rim) diameter of the tire into which the tube can be fitted (in the first example, the tube may be fitted in 24 and 25 inch tires. In the second example, the tube may be fitted only in 25 inch tires).
The first letter corresponds to the section width of the tube (internal width of the tire).
This ranges from A to Z, with A being the smallest, and Z the largest (in the examples above, V and Y indicate that the tubes are designed for fitting into tires of relatively large section width).
Sometimes, a second letter provides additional information (example 2) B, E, F and H indicate intermediate widths.
The third and fourth letters are an indication of the valve type.
AM indicates that the tube is fitted with an American valve base: R1946 (TRA SP4000) and a valve stem R1837 (TRJ 650).
D would indicate that the valve is offset. T would indicate a tractor tube fitted with an air-water valve, type TR 218A.
Explanation on valves and valve bases are given on subsequent pages.

EXPLANATIONS ON THE FLAP MARKINGS

example1: **14-24/25**

The first number indicates the total width of the flap when laid flat (includes height of edges), expressed in either mm or in inches.
In the example above, the width of the flap is 14 inches.
The second number indicates the rim diameter, or the tire bead seat (rim) diameter in inches, with which the flap is to be used.
In this example, the flap may be used with 24 and 25 inch tires.
Additional letters may be used to provide supplementary information.
For example, the significance of different letters is as follows: L - the edges are tapered, B - the flap has a reinforcing boss around the valve hole, S - the flap is reinforced, D - offset hole valve.

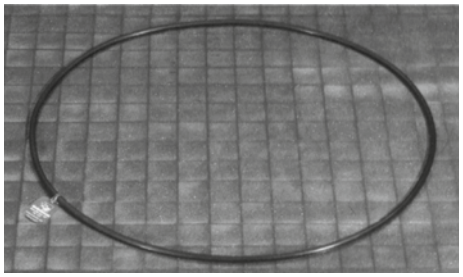
example2: **20 x 8.50 E**
The first number indicates the tire seat diameter, expressed in inches, with which the flap is to be used.
In this example, the flap may be used with 20 inch tires.
The second number indicates the overall width of the flap (width + height), in inches.
In this example, the overall width of the flap is 8.50 inches.
Letters correspond to the last generation of flaps.

SEALS FOR MICHELIN® EARTHMOVER TIRES

NAME	DESIGNATION	REFERENCE	CAI	TYPE	REMARKS
-	OR 6.8 - 21	R 1506	553 213	O-ring	
HEUPO	OR 2 - 25	R 1438	553 201	O-ring	for fitting 25 inch rim in 3 pieces non IF or for 24 inch rim 10,00 VA
SULLA	OR 3 - 25	R 1437	553 200	O-ring	for fitting 25 inch rim in 3 pieces IF, or in 3 pieces CR for cranes, or in 5 pieces or in 24 inch rim 10.00WA
SULKY	OR 3 - 29	R 1439	553 202	O-ring	for 29" rim
STRIX	OR 3 - 33	R 1440	553 203	O-ring	for 33" rim
STRAS	OR 3 - 35	R 1441	553 204	O-ring	for 35" rim
FUODI	OR 3 - 39	R 1069	553 206	O-ring	for 39" rim
-	OR 3 - 45	R 1580	553 214	O-ring	for 45" rim
HEYCO	OR 3 - 49	R 1442	553 205	O-ring	for 49" rim
-	OR 4 - 51	R 1479	553 210	O-ring	for 51" rim
-	OR 4 - 57	R 1481	553 211	O-ring	for 57" rim
-	OR 4 - 63	R 2053	553 056	O-ring	for 63" rim
TYRAN	A20	R 1443	553 004	Corner seal	for 20" rim
LEMMERZ	-	3886-6	800 098	Corner seal	for fitting TG tires on 24" SDC rims
-	B 24/25	R 1528	553 021	Corner seal	
ICERU	G 25	R 1237	553 012	Corner seal	especially for mounting of the 12.00R24 XMINE D2

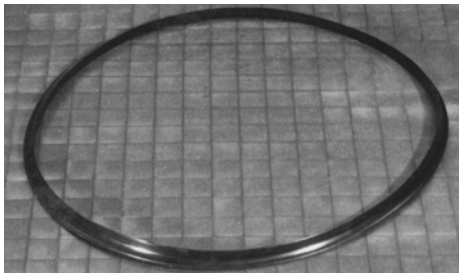
SEALS DESCRIPTION

O-RING



Explanation of the sealing ring's naming process:
- OR: Abbreviation of O Ring
- The first number is the section diameter of the seal:
- integer number: value expressed in 1/8 of inch (3 = 3/8)
- decimal number: value expressed in mm (6.6 = 6,6 mm)
- The second number is the nominal bead seat diameter, expressed in inches.

CORNER SEAL



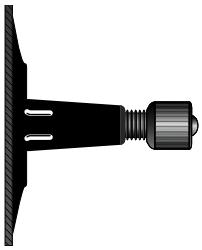
Explanation of the corner seal's naming process:
- The letter indicates the profile of the seal
- The number is the nominal rim diameter, in inches.

NOTE:
APPROVAL FOR USE OF CORNER SEALS MUST BE OBTAINED FROM MICHELIN®.

VALVES AND ASSOCIATED ACCESSORIES FOR MICHELIN® EARTHMOVER TIRES

In all cases, the valve cap is essential because it helps maintain the cleanliness of the mechanism and ensures air tightness of the valve.

CAR TUBE TYPE STRAIGHT VALVE

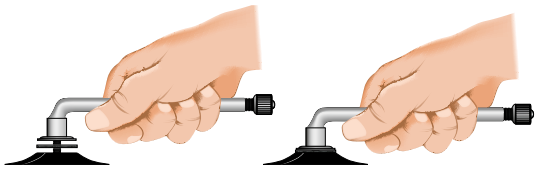


VALVE MARKINGS

The valve is circular and is marked in accordance with ETRTO standards, starting at the top of the valve, and in the following order:
- NAME (or trademark) of the valve manufacturer and his reference number.
- ETRTO reference number.

Michelin® code	ETRTO code	Valve code	Valve hole ø in mm
611	V2-01-2	TR 15	16
746	V2-01-1	TR 13	11.5

FITTING A UNIVERSAL VALVE ON A MICHELIN® TUBE WITH A VALVE BASE



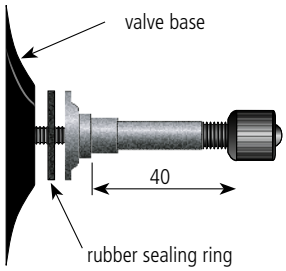
1 - Position the sealing ring on the valve.
The sealing ring must be clean and dry.
2 - Hand tighten the valve until it just touches the sealing ring.
3 - Tighten the valve for a further two turns.
4 - To orientate the valve in the desired position, tighten further.

IMPORTANT: never unscrew the valve to the desired position.

Note: Do not exceed the tightening guidelines given above. Do not forget to replace the valve cap to prevent dirt ingress and to ensure air tightness.

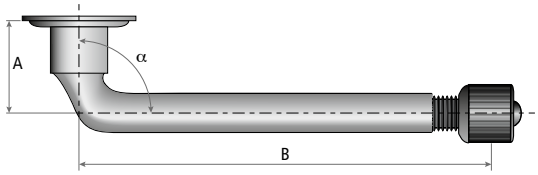
SMALL TRUCK UNIVERSAL STRAIGHT VALVE

Fitted to Michelin® tubes for the occasional equipment Tube-Type on 5° and 15° non U taper drop centre rim.



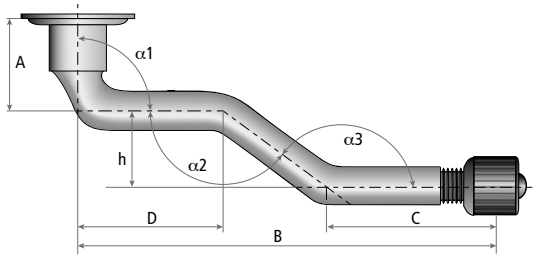
Michelin® code	ETRTO code	Valve hole ø in mm	A	
			mm	inches
1964	/	9.7	40	1.57

TRUCK TYPE UNIVERSAL SINGLE BEND VALVE



Michelin® code	ETRTO code	A		B		α°
		mm	pouces	mm	inches	
570	V3-02-2	22.5	0.89	43	1.69	120
576	V3-02-3	33	1.30	44.5	1.75	95
577	V3-02-4	39.5	1.56	44.5	1.75	110
752	V3-02-17	20.5	0.81	156.5	6.16	90
1158	V3-02-14	20.5	0.81	138.5	5.45	94

TRUCK TYPE UNIVERSAL TRIPLE BEND VALVE

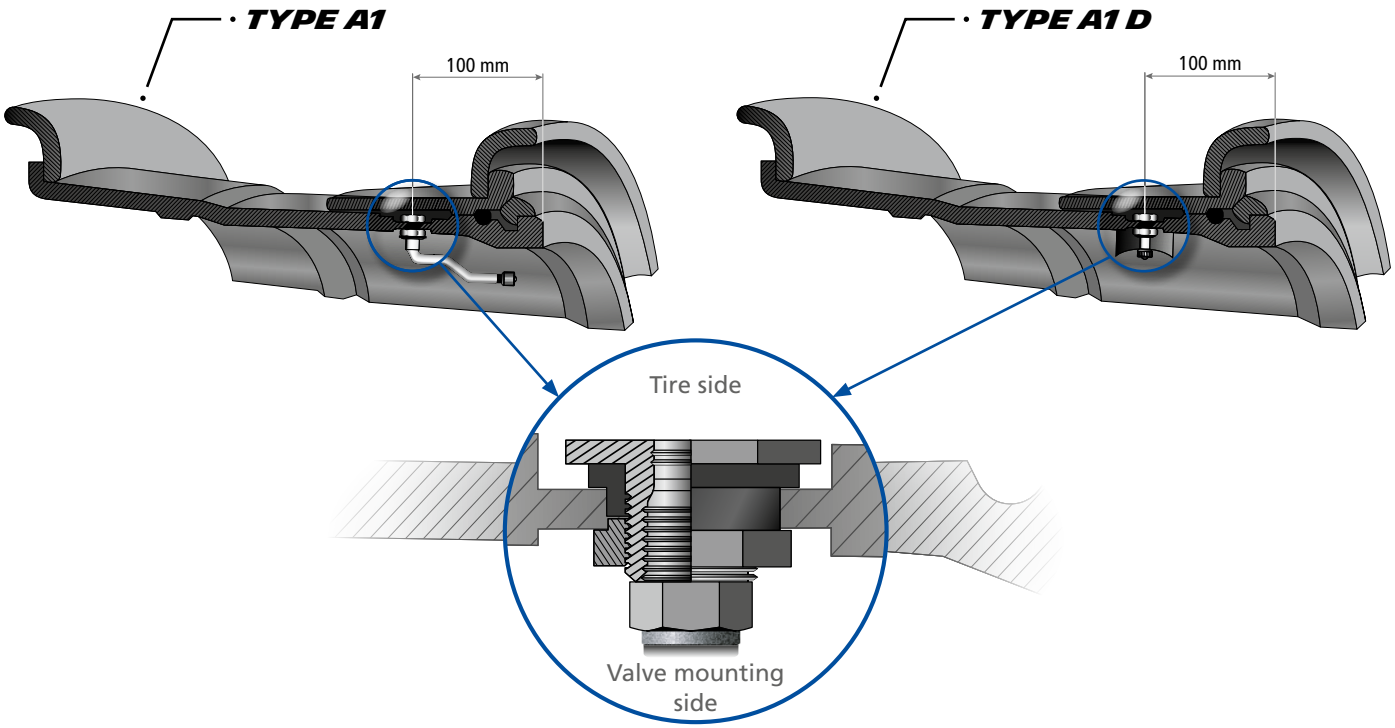


Michelin® code	ETRTO code	α1°	α2°	α3°
582	V3-06-5	90	139	139

A		B		C		D	
mm	inches	mm	inches	mm	inches	mm	inches
20.5	0.81	131	5.16	49	1.93	62.5	2.46

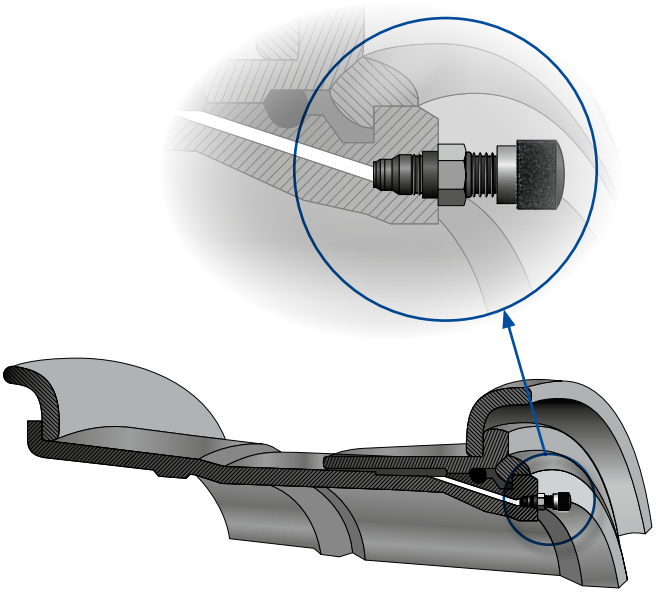
TYPES OF TUBELESS EARTHMOVER VALVES

VALVE TYPE A1

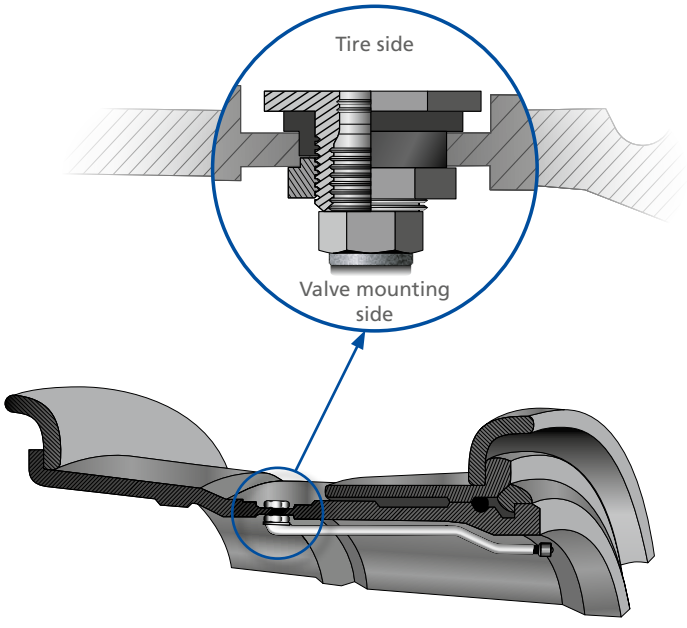


VALVE COMBINATION TYPE A4
Comprised of two TYPE A1 valves, both set at 100 mm from the rim edge, to enable water filling.

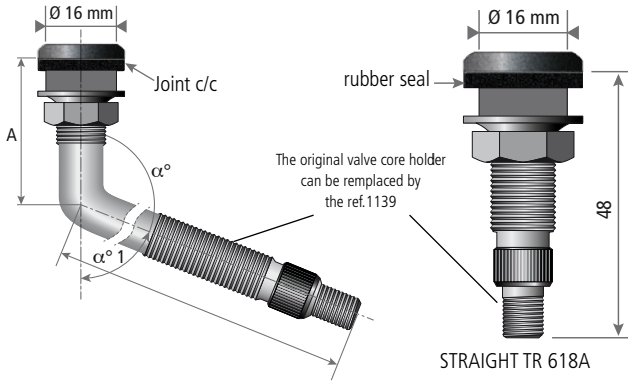
VALVE TYPE A2



VALVE TYPE A3



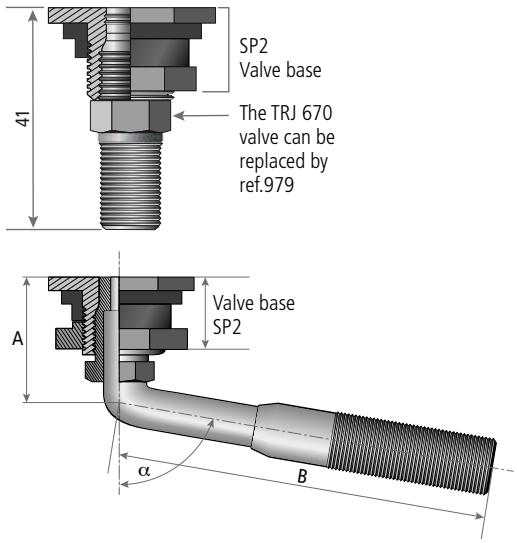
AIR AND WATER TUBELESS VALVES, AMERICAN TRA STANDARD



TRA code	ETRTO designation	A		B		α°
		mm	inches	mm	inches	
TR 618 A	V5-01-1	47.5	1.87	-		-
TR 621 A	V5-02-1	39	1.54	76	2.99	115°
TR 622 A	V5-02-2	44.5	1.75	117	4.61	90°
TR 623 A	V5-02-3	39	1.54	57	2.24	115°

Valves for 15.7 mm (0.6 inch) diameter hole

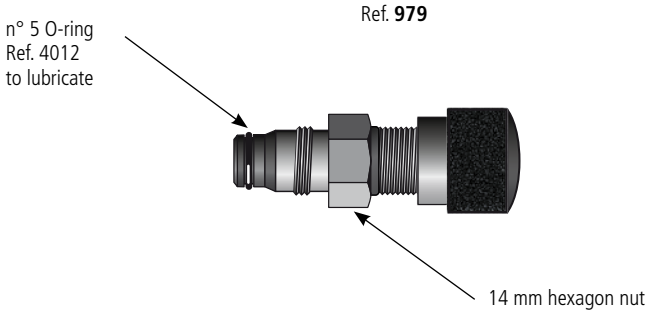
EARTHMOVER TUBELESS VALVE (AMERICAN TRA STANDARD)



Michelin® code	TRA code	ETRTO designation	A		B		α°
			mm	inches	mm	inches	
R 1837	TRJ 650	V5-04-1	27	1.08	79	3.12	100°
	TRJ 651	V5-04-2	32	1.27	119	4.69	90°
	TRJ 652		27	1.08	140	5.5	94°
	TRJ 653		27	1.08	63	2.5	100°
	TRJ 654		27	1.08	79	3.12	120°
	TRJ 655		27	1.08	79	3.12	106°
	TRJ 656		67	2.62	94	3.69	90°
	TRJ 657		27	1.08	102	4	100°
	TRJ 658		27	1.08	140	5.5	100°
	TRJ 659		48	1.89	89	3.5	90°
	TRJ 660		48	1.89	222	8.75	90°
	TRJ 669		27	1.08	64	2.5	90°
R 979	TRJ 670		41	1.63	-	-	-

Valves used on an American valve base SP2
[20.5 mm (0.8 inch) diameter hole] and also on AM tubes.

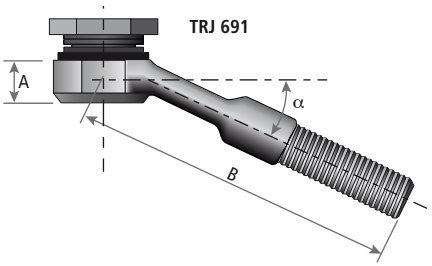
STRAIGHT LARGE BORE VALVES

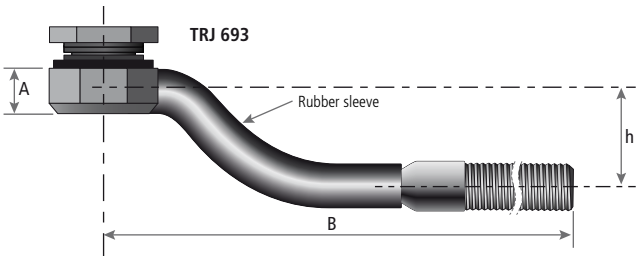


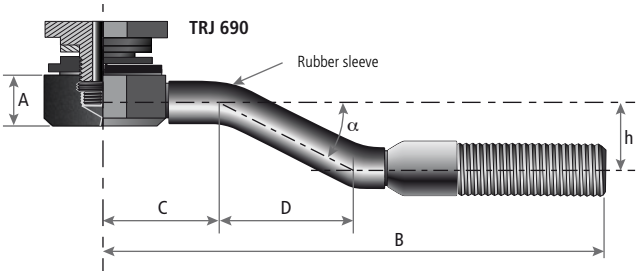
Used with **Type A2** rim contour or with **SP2 base (may also replace TRJ 670).**

SINGLE PIECE VALVES (20,5 mm valve hole)

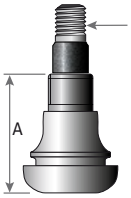
TRA code	A		B		C		D		H		α°
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	
TRJ 690	16	0.63	119	4.69	32	1.26	27	1.06	14	0.55	28
TRJ 691	16	0.63	84	3.31							18
TRJ 693	16	0.63	127	5.00					25	0.98	







AIR AND WATER TUBELESS STRAIGHT RUBBER VALVES



The original valve core holder can be replaced by Ref. 1139

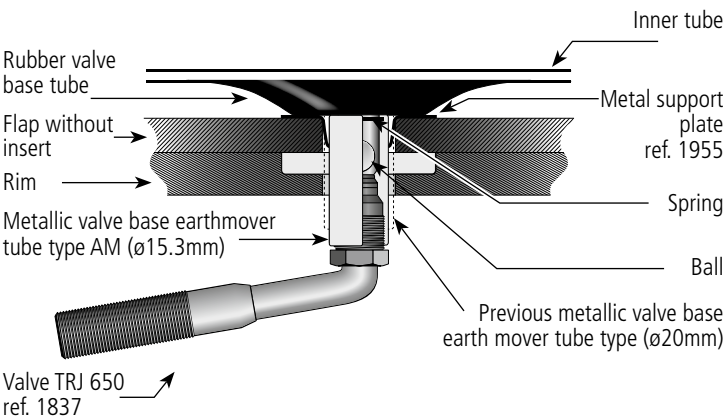
A mm/inches		Designation
35	1.38	35 GSW 15.7

Valves for 15.7 mm (0.6 inch) diameter hole

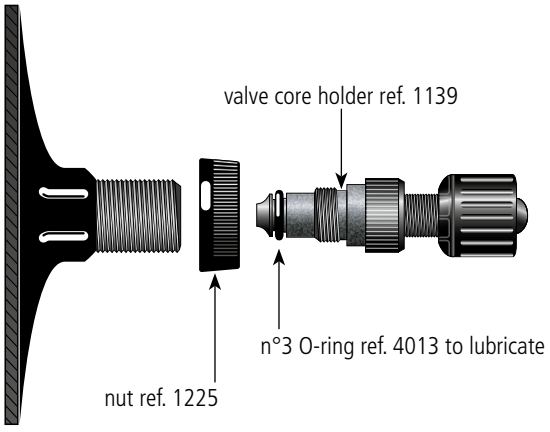
Caution ! Don't use this valve with pressures higher than 4,5 bar.

VALVE BASE

CURRENT VALVAGE
(mounting with tube)



AIR AND WATER AGRICULTURAL TYPE VALVE BASE
Allows tire to be water filled.
Valve with core holder 1139 and plastic nut ref. 1225



ref. **1224** code TR 218A

HELP WITH THE USE OF EARTHMOVER TIRES

MICHELIN® EARTHMOVER TIRES FOR TRANSPORT MACHINES

DETERMINING INFLATION PRESSURES

- **determine** the maximum load on each tire by weighing.

This is the only way that tire pressures can be set accurately for optimum performance.

If it is not possible to weigh the machine, determine the maximum load per tire on each axle by calculation or by using the machine manufacturer's data.

The following data needs to be established:
- The Gross Vehicle Weight (total machine weight in the laden condition).
- The percentage load distribution by axle.

- **calculate** the load per axle, then determine the tire weight by dividing the axle load by the number of tires per axle.
- **use** the tables "Tire loads and pressures" for TRANSPORT in the earthmover data book.

This method applies to the following machine tires:
Rigid Dump Trucks
Articulated Dump Trucks
Bottom Dump Trucks
Motor Scrapers
Site Dump Trucks

· RIGID DUMP TRUCKS

· ARTICULATED DUMP TRUCKS

· BOTTOM DUMP TRUCKS

· MOTOR SCRAPERS

· SITE DUMP TRUCKS

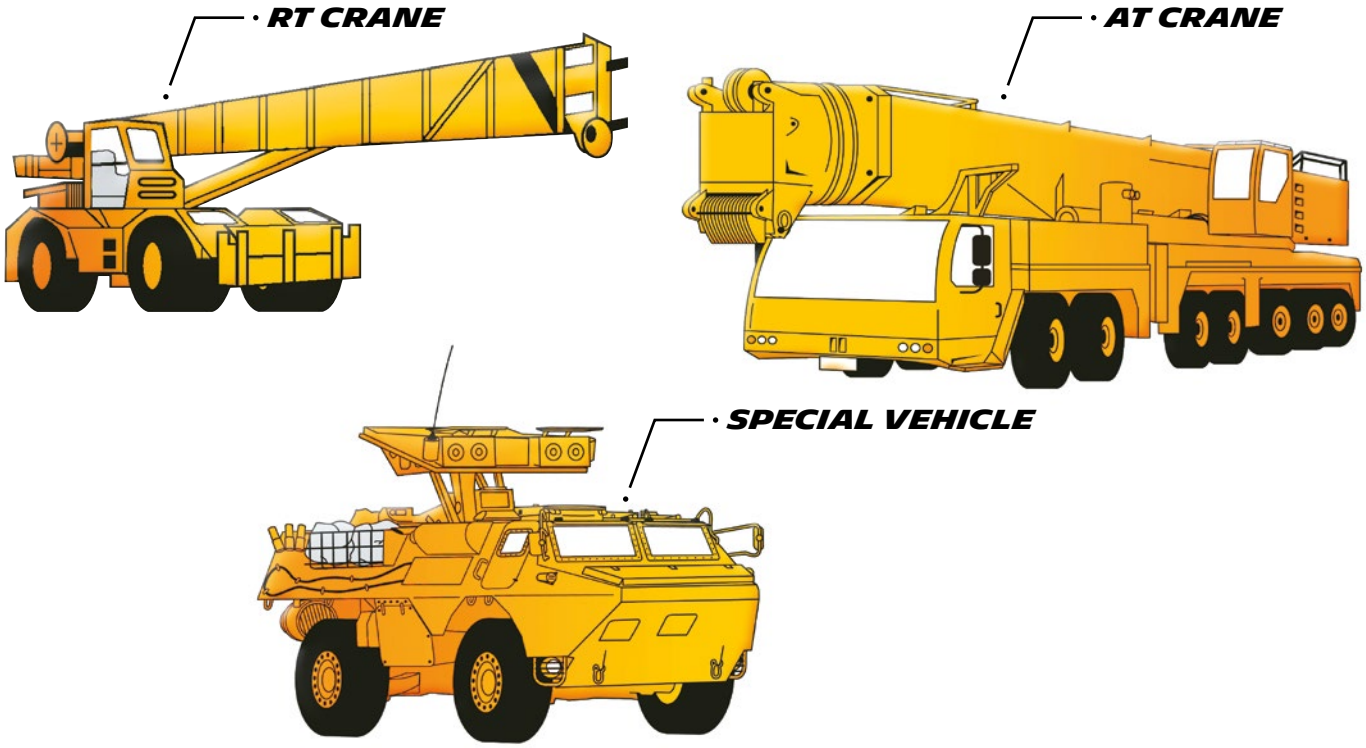
MICHELIN® EARTHMOVER TIRES FOR MOBILE CRANES, SPECIAL APPLICATIONS, RAPID INTERVENTION VEHICLES (CIVIL AND MILITARY)

DETERMINING INFLATION PRESSURES

- **determine** the maximum load on each tire by weighing
- by using the machine manufacturer's data, or
- by weighing each axle.

- **calculate** the load per tire (in the case of a crane, divide the total weight by the number of axles, and divide by the number of tire per axle).

- **use** the tables "Tire loads and pressures" for CRANES to determine the tire pressures.
- In the case of use of tires on special machines, please consult MICHELIN®.



MICHELIN® EARTHMOVER TIRES USED IN DESERT AND SIMILAR CONDITIONS

These tires are used on machines that are operated in special conditions, such as sand, desert regions, etc.

Two speed limits are applied to the tires according to the type of work.
- A limit for use on sand and hard track.
- A higher limit for road use with no particular problem of grip or accidental damage.

INFLATION PRESSURES

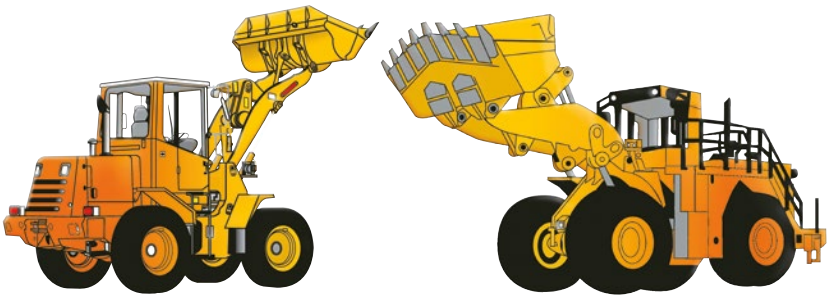
For a given load, the inflation pressure depends on the rolling condition
- **Road**
- **Track**
- **Sand**

Refer to the table load / pressure corresponding to the selected type of driving.
After using "sand" pressures, they must be adjusted to the correct pressure for subsequent conditions of use (road or track).

MICHELIN® EARTHMOVER TIRES FOR WORKING MACHINES SURFACE LOADERS IN REHANDLING, PRODUCTION, EXTRACTION AND FACE WORK

BASE PRESSURES

The base pressures designate the necessary pressure for the load carried.
There are two ways to determine the base pressures of a loader.



BY WEIGHING THE MACHINE AXLES

- **determine** the maximum load on each tire by weighing.
- **use** the tables "Tire loads and pressures" for LOADERS from the technical data book.
  "Front laden": for the laden front axle. (bucket full)
  "Rear unladen": for the unladen rear axle. (bucket empty)

BY CALCULATION, USING THE MACHINE MANUFACTURER'S DATA

- **determine** the maximum load on each tire from the axle loads (bucket empty / full) data by the Manufacturer.
- **use** the tables "Tire loads and pressures" for LOADERS from the technical data book.
  "Front laden": for the laden front axle. (bucket full)
  "Rear unladen": for the unladen rear axle. (bucket empty)

When the axle loads are not available, it is possible to determine in an approximate way the inflation pressures from the method below.
This method is applicable to loaders equipped with tire sizes less than 35/65 R 33

Front Axle
When the machine is loading with the bucket penetrating into the material, the loader is often at the point of tipping. It is in this state that the front tires are most heavily laden.
The load on the front axle is equal to the total unladen weight of the machine + the tipping load. (tipping load is shown in the machine manufacturer's data).
- **use** the tables "Tire loads and pressures" for LOADERS in the earthmover data book under the heading 'Front Tip. Load' (front tipping load).

Rear Axle (bucket empty)
Take 60% of the unladen weight of the machine (to have a margin of safety).
- **use** the tables "Tire loads and pressures" for LOADERS in the earthmover data book

ADJUSTMENTS OF THE BASE PRESSURE

To improve stability, the following adjustments are possible:
Front axle, for a given load, it is possible to increase tire pressure by 1 bar compared to the pressure determined by the methods presented above.
On the rear axle, it is recommended to use a pressure of 70% of the recommended value for the front axle.
These adjustments shall be made within the limits shown on page 25.

Important
During long road trips (delivery, transfer from one site to another), special precautions are necessary.
For more information, please consult your Michelin® representative.

MICHELIN® EARTHMOVER TIRES FOR WORKING MACHINES: DOZERS

HOW TO CALCULATE INFLATION PRESSURES

Depending on the type of work, tires on a dozer are subjected to different types of loading.
- the load on the Front Axle is at the maximum when loading (pushing) a scraper.
- the load on the Rear axle is at the maximum when dozing or while stockpiling.

From a practical point of view, the maximum load on either of the two axles is approximately equal to 2/3 of the machine weight.

- **Using this method** to determine the load on each tire
- **Use** the tables "Tire loads and pressures" for LOADERS for the Rear unladen.

MICHELIN® EARTHMOVER TIRES FOR WORKING MACHINES: GRADERS

HOW TO CALCULATE INFLATION PRESSURES

As a general rule, the minimal inflation pressure recommendation must never be lower than 2 bar (29 psi)
- **weigh the machine** to find out the load on each axle or use the loads given by the machine manufacturer.
- **use** the tables "Tire loads and pressure" for GRADERS.

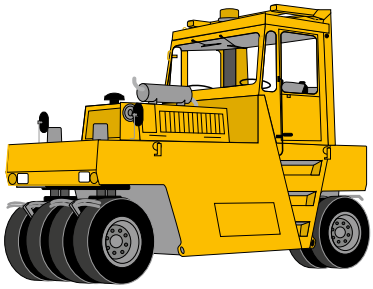
For special work (example: sloping embankments), the inflation pressure should never be lower than 2.5 bar (36 psi).

MICHELIN® EARTHMOVER TIRES FOR COMPACTORS

XLC TIRES

The tire and the working pressure depend on the material to be compacted, the type of work to be carried out and the operating speed.

Please refer to the information and operating guidelines supplied by the machine manufacturer and use the tables "Tire loads and pressures" for COMPACTORS from the earthmover technical data book.



MICHELIN® EARTHMOVER TIRES FOR ROADBUILDING MACHINERY (PLANERS, STABILIZER MIXERS, PAVERS)

There are no tires made specifically for this type of machinery.
Tires should be chosen according to their average speed capabilities in relation to those of the machine and their load capacity.

All these machines operate at 2 speeds: a "transport" or "travelling" speed and a "work" speed.

Once the load per tire has been determined, refer to the load/pressure table which corresponds best to the speed at which the selected tire is to be used.

When we determine the tire pressure in these two cases we always apply the highest pressure. This is often the transport pressure.

HOW CALCULATE THE LOAD PER TIRE

If the load per axle is not known (no machine manufacturer's information available and no possibility of a physical weighing), follow the instructions below.

TRAVELLING MACHINES:

For cold Planers and Stabiliser Mixers: load per axle on pneumatic tires = 50% of machine weight.
For Pavers: load per axle on pneumatic tires = 80% of machine weight / number of axles.

LOADED/WORKING MACHINES:

For cold Planers and Stabiliser Mixers: load per axle = 50% of machine weight + payload.
For Pavers: load per axle on pneumatic tires = 30% machine weight+ maximum load of the container bin / number of axles.

MICHELIN® EARTHMOVER TIRES FOR UNDERGROUND MACHINES

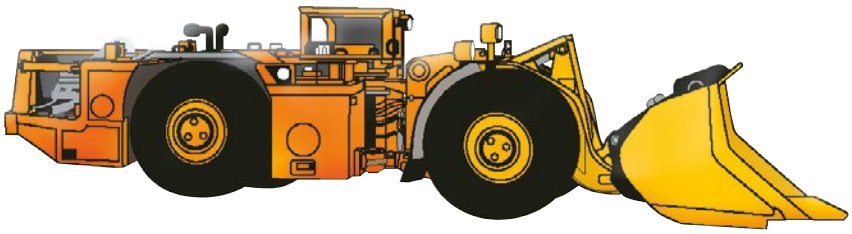
HOW TO CALCULATE INFLATION PRESSURES

TRANSPORT MACHINES

- **determine** the maximum load on each tire of each axle, with the machine loaded
  - by calculation, using the machine manufacturer's data, or
  - by weighing each tire position with the machine loaded.
- **use** the tables "Tire loads and pressures" for MINE TRANSPORT.

LOADERS

Apply the methods used for surface loaders (see the previous pages Chapter Michelin® earthmover tires for working machines: surface loaders).



TIRES FOR TRANSPORT MACHINES: TKPH (TMPH) METHOD

FACTORS TO BE CONSIDERED WHEN SELECTING THE MOST APPROPRIATE TIRE:

CHOOSING THE IDEAL TIRE

This will depend on:
- the fitment possibilities offered by the machine manufacturer,
- the service conditions on the site. Factors such as load, speed, surface conditions, etc. must be considered.

THE MACHINE

- the tire sizes,
- the loads the tires have to carry (laden and unladen).

THE SITE

- type of surface, condition and profile of haul-roads,
- type and condition of loading and tipping areas.

TIRE BEHAVIOUR

- how are the tires wearing?
- what are the main reasons for removing a tire from service?
- are there sidewall or tread problems?

MACHINE OPERATION ON THE SITE

- length of the cycle (laden trip / unladen trip),
- maximum number of cycles during a working period or shift,
- duration of the working period or shift.

PROBLEMS THAT MAY ARISE

- how does the machine / tire combination behave? (for example, traction).

TKPH (TMPH) definition:
The TKPH (Ton Kilometre Per Hour) or TMPH (Ton Mile Per Hour) is an expression of the working capacity of a tire.
The TKPH (TMPH) is a function of the maximum allowed internal operating temperature of a tire.

TIRE TKPH OR TIRE TMPH

A tire's TKPH (TMPH) depends on its design and varies according to size and type.
TKPH (TMPH) values are given along with other Michelin® tire characteristics.
It is a function of load and the number of kilometres (miles) covered per hour at an ambient temperature of 38° C (100° F).
The formula to convert a TKPH rating to a TMPH rating is:
TMPH = TKPH x 0,685
TMPH calculation is based on the "short ton" which corresponds to 2000 lbs or 907 kg.

BASIC SITE TKPH OR TMPH

This value reflects the specific requirements of a site and can be obtained by using the following formula:
Basic site TKPH (basic site TMPH) = Qm x Vm
where Qm = average load per tire
Vm = average cycle speed, in km (or miles) per hour

AVERAGE LOAD PER TIRE (QM)

Average load per tire (Qm):

$$Qm = \frac{Qc + Qv}{2}$$

where Qc = is the load per tire in ton (TKPH), or in short ton (TMPH), on a laden vehicle.
Qv = is the load per tire in ton (TKPH), or in short ton (TMPH), on an unladen vehicle.

The Qm calculation should theoretically be made for each tire. However, in practice, specific tire loads are not normally available and therefore this leads to the assumption that each tire on the same axle carries an equal load. When calculating the average load per tire on the front and the rear axles, the greatest value of Qm shall be used in TKPH (TMPH) calculation.

In most cases, on two-axle dump trucks, the distribution of the total load of the loaded vehicle (unladen weight + payload) corresponds to 33.3 % on the front axle (single tires) and 66.7 % on the rear axle (twinned tires).
When unladen, the front axle is almost always the heaviest. Thus, the maximum Qm, will nearly always be on the front axle.

Caution: ensure that load distribution Front/Rear is even

Of course, the analysis of the site (or at least, the collected information), weighings and machine characteristics, will provide the information to define and check the load per tire.

THE NUMBER OF KM (OR NUMBER OF MILES) COVERED ON THE REFERENCE CYCLE

This is obtained by using the relationship:

$$Vm = \frac{L}{H}$$

where L = is the cycle length in kilometres (TKPH), or in miles (TMPH).
The reference cycle must be the one with the highest average speed.
H = is the duration of cycle in hour.

REAL SITE TKPH OR REAL SITE TMPH

The Qm x Vm formula is used to calculate the basic site TKPH (or TMPH).

To obtain the real site TKPH (or TMPH), two more factors must be taken into account:
- the length of cycles exceeding 5 kilometres (or 3 miles)
- the ambient temperature.

CYCLE LENGTH - K1 COEFFICIENT

For cycle lengths exceeding 5 kilometers (or 3 miles) apply to the basic site TKPH (or basic site TMPH) the K1 coefficient, the values of which are given on following pages.

SITE AMBIENT TEMPERATURE (TA) - K2 COEFFICIENT

The standard ambient temperature is 38°C (100° F). For a given speed, a site temperature higher than 38°C increases the real site TKPH (or TMPH). Conversely, a temperature lowers than 38° C decreases the real site TKPH (or TMPH).

The K2 coefficient
where Vm is the reference cycle average speed on the site in km/h for TKPH and in mph for TMPH,
TA is the ambient temperature, in °C for TKPH and in °F for TMPH
TR is the reference temperature (38° C for TKPH and 100° F for TMPH)

Is to apply to the basic site TKPH (basic site TMPH).
Its calculation depends on whether the ambient temperature of the basic site is above or below 38°C (100°F)

if **TA < 38 °C** (100 °F)

$$K2 = \frac{1}{1 - \frac{[\ 0{,}25^{*} \times (TA - TR)\ ]}{Vm}}$$

(: use 0.086 instead of 0.25 when calculating basic site TMPH)*

If **TA > 38 °C** (100 °F)

$$K2 = \frac{1}{1 - \frac{[\ 0{,}40^{*} \times (TA - TR)\ ]}{Vm}}$$

(: use 0.138 instead of 0.40 when calculating basic site TMPH)*

The ambient temperature of the site (TA) to be taken into account is "the maximum temperature in the shade" during the hottest period.
For temperatures TA greater than 15° C (59° F), use the K2 coefficients shown on the following pages.
For temperatures TA lower than 15° C (59° F), use the K2 coefficients shown in the shaded area of the table on the following pages.
To sum up, for the real site TKPH (TMPH) calculation, proceed as follows:
- calculate the basic site TKPH (TMPH).
- calculate the correct for cycle length exceeding 5 kilometres (3 miles) by applying the K1 coefficient.
- calculate the correct for ambient temperatures not equal to 38° C (100° F) by applying the K2 coefficient.

Real site TKPH (or TMPH) = Basic site TKPH (or basic site TMPH) x K1 x K2

COMPARISON OF THE TIRE TKPH (TMPH) AND REAL SITE TKPH (TMPH)

On the basis that the choice of tread pattern is made to meet the needs of traction, protection and speed there are 2 possibilities:

a) the tire's TKPH (TMPH) is greater than the real site TKPH (TMPH): the tire is suitable for the application.
b) the tire's TKPH (TMPH) is below the real site TKPH (TMPH): the tire is not suitable for the application.

In case b:
- Check if another tread pattern or type may be used.
- See if a modification of operating conditions is possible. (reduction of load and/or reduction of speed, reduced number of cycles in the same time period, etc.).

EXAMPLE OF A SITE TKPH (TMPH) CALCULATION

The data to calculate the real site TKPH (TMPH) where a RDT is fitted with 37.00 R 57 tire is as follows:

- well kept but abrasive haul roads;
- average payload: 180 tons (198.5 short ton); mine value
- reference cycle: 21 km (12.8 miles);
- unladen weight Front: 64 tons (70.6 short ton)
- duration of cycle: 1 hour 15 minutes ; H = 1 +(15 / 60) = 1,25 hour;
- unladen weight Rear: 57 tons (62.8 short ton)
- ambient temperature: TA = 42° C (107.6° F);
- distribution of total laden weight: Front = 33.3% Rear = 66.7%

CALCULATION OF QM (AVERAGE TIRE LOAD)

	(TKPH)	(TMPH)
- Gross vehicle weight (GVW)	180 + 64 + 57 = 301 tons	198.5 + 70.6 + 62.8 = 332 short tons
- Unladen weight per tire - Front; Qv:	$\frac{64}{2} = 32$ tons	$\frac{70,6}{2} = 35$ short tons
- Laden weight per tire - Front; Qc: *(33.3% of GW on front axle)*	$\frac{301 \times 33.3}{2 \times 100} \sim 50$ tons	$\frac{332 \times 33.3}{2 \times 100} = 55$ short tons
- Average tire load, Qm Front:	$\frac{32 + 50}{2} = 41$ tons	$\frac{35 + 55}{2} = 45$ short tons
- Unladen weight per tire - Rear; Qv:	$\frac{57}{4} = 14$ tons	$\frac{62,8}{4} = 15.5$ short tons
- Laden weight per tire Rear; Qc: *(66.7% of Gross Vehicle weight on rear axle)*	$\frac{301 \times 66.7}{4 \times 100} \sim 50$ tons	$\frac{332 \times 66.7}{4 \times 100} = 55$ short tons
- Average tire load, Qm Rear:	$\frac{14 + 50}{2} = 32$ tons	$\frac{15.5 + 55}{2} = 35$ short tons
Thus, the value for Qm to be used will be:	**41 tons**	**45 short tons**

CALCULATION OF VM (DISTANCE COVERED PER HOUR)

$Vm = \frac{L}{H}$	$\frac{21}{1,25} =$ **16.8 km** in one hour	$\frac{12.8}{1,25} =$ **10.2 miles** in one hour

BASIC SITE TKPH (TMPH)

TKPH (TMPH) = Qm x Vm	41 x 17 = **689**	45 x 10,6 = **459**

CALCULATION OF K1 COEFFICIENT

Beyond 5 km / h, the cycle length has an influence on the real site TKPH.

The cycle is greater than 5 km (3 miles), the coefficient K1 corresponding to 21 km (12.8 miles) which is the reference cycle starts, is: **1.19** (value on next page) for the calculation of TKPH and TMPH.

VALUE OF THE K2 COEFFICIENT

Ambient temperatures different of 38 ° C (100 ° F) has an influence on the real site TKPH.

You can use the table on the opposite page, to find the K2 coefficient (in TKPH units), by interpolation for your actual reference cycle average speed and ambient temperature. In this case, for Vm = 17 km/h (10.6 mph) and TA = 42°C (107.6 °F), we find K2 = 1.105

Calcul of the K2 coefficient

In our example, the ambient temperature is 42 ° C (107.6 ° F). The calculation of the coefficient K2 is as follows:

$K2 = \frac{1}{1 - \frac{[\,0,40^* \times (TA - TR)\,]}{Vm}}$	$\frac{1}{1 - \frac{[\,0,40^* \times (42 - 38)\,]}{16.8}} = 1.105$	$\frac{1}{1 - \frac{[\,0,138^* \times (107.6 - 100)\,]}{10.2}} = 1.114$

(: Use 0.138 instead of 0.4 for the calculation of TMPH)*

REAL SITE TKPH (TMPH)

Applying the K1 and K2 coefficients to the basic site TKPH (TMPH) gives the real site TKPH (TMPH).

	689 x 1.19 x 1.105 = **906**	459 x 1.19 x 1.114 = **608**

TIRE TKPH (TMPH) / REAL SITE TKPH (TMPH) COMPARISON

In the 37.00 R 57 XDR size	the different tire TKPH values are: B4 = 848 B = 1018 C4 = 1145 C = 1272	the different tire TMPH values are: B4 = 581 B = 698 C4 = 784 C = 871

In our example, the B4 type is not suitable. All other types of compound are possible.

The tracks being abrasive and the loading and unloading areas being aggressive, our choice will be the B type.

(See definitions of types, page <?>).

MICHELIN® EARTHMOVER TIRES FOR TRANSPORT MACHINES
K COEFFICIENT CALCULATED AND USED FOR THE TKPH (TMPH) METHOD

K1 COEFFICIENTS

L (km)	L (ml)	K1	L (km)	L (ml)	K1	L (km)	L (ml)	K1	L (km)	L (ml)	K1	L (km)	L (ml)	K1
			11	6.8	1.13	21	13	1.19	31	19.3	1.21	41	25.5	1.23
			12	7.4	1.14	22	13.7	1.19	32	19.9	1.21	42	26.1	1.23
			13	8	1.15	23	14.3	1.20	33	20.5	1.22	43	26.7	1.23
			14	8.7	1.16	24	14.9	1.20	34	21.1	1.22	44	27.3	1.23
5	3.1	1.00	15	9.3	1.16	25	15.5	1.20	35	21.7	1.22	45	28	1.23
6	3.7	1.04	16	9.9	1.17	26	16.2	1.20	36	22.4	1.22	46	28.6	1.23
7	4.3	1.06	17	10.6	1.17	27	16.8	1.21	37	23	1.22	47	29.2	1.23
8	5	1.09	18	11.2	1.18	28	17.4	1.21	38	23.6	1.22	48	29.8	1.23
9	5.6	1.10	19	11.8	1.18	29	18	1.21	39	24.2	1.22	49	30.4	1.23
10	6.2	1.12	20	12.4	1.19	30	18.6	1.21	40	25	1.22	50	31	1.23

L = Cycle length in kilometres and in miles.

K2 COEFFICIENTS

Vm Km (miles)	Ambient temperature														
	15 °C 59 °F	17,5 °C 63,5 °F	20 °C 68 °F	22,5 °C 72,5 °F	25 °C 77 °F	27,5 °C 81,5 °F	30 °C 86 °F	32,5 °C 90,5 °F	35 °C 95 °F	37,5 °C 99,5 °F	40 °C 104 °F	42,5 °C 108,5 °F	45 °C 113 °F	47,5 °C 117,5 °F	50 °C 122 °F
10 (6)	0,635	0,661	0,690	0,721	0,755	0,792	0,833	0,879	0,930	0,988	1,087	1,220	1,389	1,613	1,923
12 (7)	0,676	0,701	0,727	0,756	0,787	0,821	0,857	0,897	0,941	0,990	1,071	1,176	1,304	1,463	1,667
14 (9)	0,709	0,732	0,757	0,783	0,812	0,842	0,875	0,911	0,949	0,991	1,061	1,148	1,250	1,373	1,522
16 (10)	0,736	0,757	0,780	0,805	0,831	0,859	0,889	0,921	0,955	0,992	1,053	1,127	1,212	1,311	1,429
18 (11)	0,758	0,778	0,800	0,823	0,847	0,873	0,900	0,929	0,960	0,993	1,047	1,111	1,184	1,268	1,364
20 (12,5)	0,777	0,796	0,816	0,838	0,860	0,884	0,909	0,936	0,964	0,994	1,042	1,099	1,163	1,235	1,316
21 (13)	0,785	0,804	0,824	0,844	0,866	0,889	0,913	0,939	0,966	0,994	1,040	1,094	1,154	1,221	1,296
22 (14)	0,793	0,811	0,830	0,850	0,871	0,893	0,917	0,941	0,967	0,994	1,038	1,089	1,146	1,209	1,279
24 (15)	0,807	0,824	0,842	0,861	0,881	0,901	0,923	0,946	0,970	0,995	1,034	1,081	1,132	1,188	1,250
26 (16)	0,819	0,835	0,852	0,870	0,889	0,908	0,929	0,950	0,972	0,995	1,032	1,074	1,121	1,171	1,226
28 (17)	0,830	0,845	0,862	0,878	0,896	0,914	0,933	0,953	0,974	0,996	1,029	1,069	1,111	1,157	1,207
30 (19)	0,839	0,854	0,870	0,886	0,902	0,920	0,938	0,956	0,976	0,996	1,027	1,064	1,103	1,145	1,190
32 (20)	0,848	0,862	0,877	0,892	0,908	0,924	0,941	0,959	0,977	0,996	1,026	1,060	1,096	1,135	1,176
34 (21)	0,855	0,869	0,883	0,898	0,913	0,928	0,944	0,961	0,978	0,996	1,024	1,056	1,090	1,126	1,164
36 (22)	0,862	0,875	0,889	0,903	0,917	0,932	0,947	0,963	0,980	0,997	1,023	1,053	1,084	1,118	1,154
38 (24)	0,869	0,881	0,894	0,907	0,921	0,935	0,950	0,965	0,981	0,997	1,022	1,050	1,080	1,111	1,145
40 (25)	0,874	0,886	0,899	0,912	0,925	0,938	0,952	0,967	0,982	0,997	1,020	1,047	1,075	1,105	1,136
42 (26)	0,880	0,891	0,903	0,916	0,928	0,941	0,955	0,968	0,982	0,997	1,019	1,045	1,071	1,099	1,129
44 (27)	0,884	0,896	0,907	0,919	0,931	0,944	0,957	0,970	0,983	0,997	1,019	1,043	1,068	1,095	1,122
46 (28)	0,889	0,900	0,911	0,922	0,934	0,946	0,958	0,971	0,984	0,997	1,018	1,041	1,065	1,090	1,117
48 (29)	0,893	0,904	0,914	0,925	0,937	0,948	0,960	0,972	0,985	0,997	1,017	1,039	1,062	1,086	1,111
50 (31)	0,897	0,907	0,917	0,928	0,939	0,950	0,962	0,973	0,985	0,998	1,016	1,037	1,059	1,082	1,106

Vm = number of km (miles) **covered per hour.**

Interpolation is allowed between the temperatures shown in the column headings.

MICHELIN® EARTHMOVER TIRES FOR SPECIFIC USES

1°) Firstly, if the dimension exists for your machine and your use, you must use it (example: Mechanical handling tires for handling use; heavy truck tires for construction use or for builder use, ...)

2°) For all other cases, you must contact your Michelin® representative.

APPROXIMATE LOOSE MATERIAL DENSITIES (t/m³)

MATERIAL	DENSITY	MATERIAL	DENSITY
Alkaline potash	**1.3 to 1.5**	Copper ore	**1.6**
Anthracite	**0.9 to 1.1**	Iron ore	**2.4 to 3.3**
Clay (dry)	**1 to 1.1**	Pyrites	**2.6**
Clay (moist)	**1.2 to 1.3**	Earth dry	**1.2 to 1.5**
Clay (wet)	**1.3 to 1.4**	Earth moist	**1.3 to 1.4**
Bauxite	**1.5**	Earth wet	**1.4 to 1.5**
Mud	**1.8**	Overburden	**1.7 to 1.8**
Limestone	**1.5 to 1.6**	75% rock - 25% earth	**1.9 to 2**
Coal	**0.7**	50% rock - 50% earth	**1.7 to 1.8**
Quick-lime	**0.9 to 1.3**	25% rock - 75% earth	**1.6**
Slaked lime	**1.1 to 1.3**		
Chalk	**1.8 to 2.6**	Sand dry	**1.5**
Granite	**1.6 to 1.7**	Sand moist	**1.9**
Sandstone	**1.6**	Gravel dry	**1.7 to 1.8**
Crushed gypsum	**1.6**	Gravel moist	**2**
Marl clay	**2.2**		

CONTENT

TECHNICAL DATA INDUSTRIAL, PORT AND INTERMODAL TIRES

INDUSTRIAL TIRES

Unless otherwise specified, MICHELIN® industrial tires comply with internationally accepted standards that are established by TRA (Tire and Rim Association), ETRTO (European Tyre and Rim Technical Organisation), JATMA (Japan Automobile Tyre Manufacturers Association), and/or ISO (International Standards Organisation).
Among other things, the standards encompass load capacity, inflation pressure, overall diameter, overall width, and related valves and rims.
Some differences may exist between these standards.
In such case, Michelin refers to the most appropriate.

Michelin's range of industrial tires covers most vehicles and service or operating conditions. If a tire is to be used differently than what it is designed for, please consult your nearest Michelin representative for advice.

MICHELIN® tires are designed for a specific use as specified in this catalog.

Any other use constitutes an abnormal use.

However, in some cases, Michelin may waive that wich will specify the conditions

and the permitted use of derogatory terms and limits.

Michelin disclaims any responsibility for any abnormal use of its tires or absence of any express written permission derogatory.

Tires for mechanical handling equipment used in areas where there is a high risk of fire or explosion, such as the chemical and petrochemical industries, must meet certain standards concerning their electrical resistivity. These requirements are indicated in the operating norms.
Conforming tires are known as "Antistatic Class 1."
ALL MICHELIN® INDUSTRIAL TIRES are compliant with ISO 16392 and WDK 110 standards and are marked with the following symbol moulded into the sidewall.

All the information given in this brochure is subject to changes that may occur after publication. These values are given for information purposes only and may not be used for legal or statutory actions.

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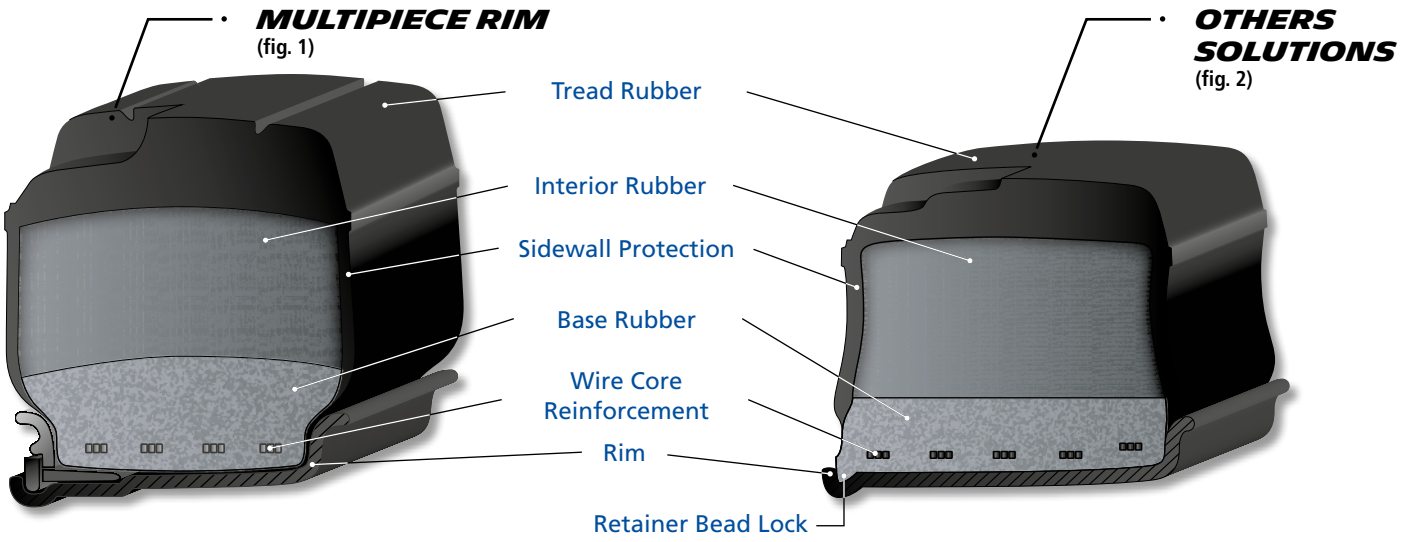
Latest version is available on www.michelinearthmover.com

CONTENTS

TIRE CONSTRUCTION

THE SOLID TIRE (SOLID RUBBER TIRE, PNEUMATIC SHAPED SOLID, PPS)



The whole tire is made of rubber. It is generally composed of at least three different rubber compounds.

According to the type of wheel, the construction of the tire can

- Look like a pneumatic tire, but can be fitted to a multipiece rim *(fig. 1)*
- Enable so that once in place, it will auto-lock automatically *(fig. 2)*. An extension to its base (called the 'retainer bead') is positioned in the rim groove normally provided for receiving the locking ring.

Removable parts of the wheel then not being provided make it more difficult retrofitting other pneumatic solutions.

Disadvantages:

- Often high rolling resistance / influence on the fuel consumption
- Severe thermal degradation with intensive use
- Low life
- Special fitting equipment needed
- Poor load and machine protection from shocks and vibrations
- Poor comfort level
- High purchase price
- Little traction / low adherence

Advantages:

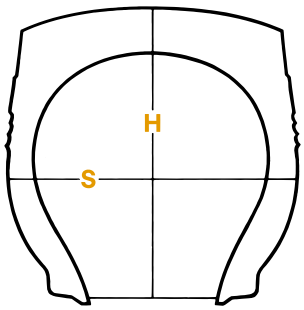
- Puncture-proof tire
- Practically maintenance free
- Stability

GENERAL INFORMATION

THE DIFFERENT TIRE FAMILIES

There are different tire families categorised by the aspect ratio **H/S**:
(the ratio in % between the sidewall height and the tire width).
H = standard section height *(see page <?>)* - **S = standard section width** *(see page <?>)*

STANDARD TIRE
(100 SERIES, NARROW BASE)

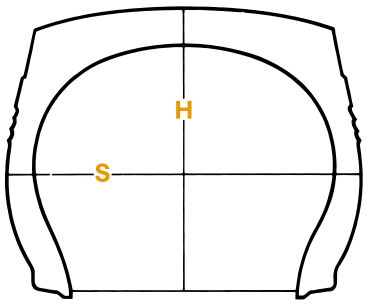


The H/S aspect ratio is approximately equal to 1,00.

$$\frac{1}{\frac{H}{S}} = 100\ \%$$

The section width, given in inches, is a whole number
e.g.: 12.00 R 20
or the section width, given in inches, is a whole number followed by a fraction.
e.g.: 8.25 R 15
The aspect ratio is not indicated in the size designation.

LOW PROFILE TIRES
(65 TO 95 SERIES, 5 BY 5)



The H/S aspect ratio is less than 1
(0,65 in the followed example).

$$\frac{0{,}65}{\frac{H}{S}} = 65\ \%$$

The nominal section width is expressed as a measurement in millimeters followed by the aspect ratio 65 to 95 (65 in the example).
e.g.: 355/65 R 15

THE DIFFERENT TIRE SIZE DESIGNATIONS

EQUIVALENT MARKINGS							EXPLANATION							
Ø of rim (inches)	BIAS MARKING		RADIAL MARKING	METRIC Tire SIZE DESIGNATION		RADIAL MARKING	Ø ext. (inch)	section width (inches)	section width (mm)	aspect ratio H/S	Ø of rim (inches)	load index	speed symbol	Ply rating (bias tire)
4	4.80 - 4	4.00 - 4						4.00			4			
8	4.80 - 8	4.00 - 8						4.00			8			
	5.70 - 8	5.00 - 8	5.00 R 8					5.00			8	111	A5	10 PR
	15 x 4 - 8				125 / 75 - 8		15	x 4,5	125	/ 75	8			16 PR
	16 x 6 - 8				150 / 75 - 8	150/75 R 8	16	x 6	150	/ 75	8	113	A5	16 PR
	18 x 7 - 8	18 x 7			180 / 70 - 8	180/70 R 8	18	x 7	180	/ 70	8	125	A5	16 PR
9	21 x 8 - 9				200 / 75 - 9	200/75 R 9	21	x 8	200	/ 75	9	134	A5	16 PR
	6.90 - 9	6.00 - 9	6.00 R 9					6.00			9	121	A5	12 PR
10		6.50 - 10	6.50 R 10					6.50			10	128	A5	14 PR
	23 x 9 - 10				225 / 75 - 10	225/75 R 10	23	x 9	225	/ 75	10	142	A5	20 PR
12		7.00 - 12	7.00 R 12					7.00			12	136	A5	16 PR
	23 x 10 - 12				250 / 60 - 12		23	x 10	250	/ 60	12			18 PR
	27 x 10 - 12				250 / 75 - 12	250/75 R 12	27	x 10	250	/ 75	12	152	A5	20 PR
15		7.00 - 15	7.00 R 15					7.00			15	143	A5	16 PR
		7.50 - 15	7.50 R 15					7.50			15	146	A5	16 PR
	28 x 9 - 15	8.15 - 15			225 / 75 - 15	225/75 R 15	28	x 9	225	/ 75	15	149	A5	16 PR
		8.25 - 15	8.25 R 15					8.25			15	153	A5	18 PR
				250 - 15	250 / 70 - 15	250/70 R 15			250	/ 70	15	153	A5	18 PR
				300 - 15	315 / 70 - 15	315/70 R 15			315	/ 70	15	165	A5	22 PR
					355 / 65 - 15	355/65 R 15			355	/ 65	15	175	A5	28 PR

TIRE MARKING

For special conditions usage, please consult us.

	Position of wear indicator.
MICHELIN®	Manufacturer.
355	Nominal section width in mm (S = 355 mm).
65	Tire aspect ratio (H/S = 0,65).
R	Radial construction.
15	Nominal diameter of rim to which tire should be fitted (15 inches).
STABIL'X	Old name of the 'family' being deleted.
XZM	XZM range name.
Tubeless	Tire with no tube.
170	Load Index.
A5	Speed Symbol: 25 km/h.
CYCLIC	Cyclic use (see explanation on following pages).
Radial X	Indication of tire structure.

Electrical conductivity tire class 1.

NOTES

LOAD INDEX AND SPEED SYMBOL

Industrial and handling tires bear a Load Index and a Speed Symbol.
The **LOAD INDEX** is a numerical code from international standard tires, which indicates the reference load capacity.

LOAD INDEX	LOAD IN KG	LOAD INDEX	LOAD IN KG	LOAD INDEX	LOAD IN KG	LOAD INDEX	LOAD IN KG	LOAD INDEX	LOAD IN KG	LOAD INDEX	LOAD IN KG
100	800	**120**	1400	**140**	2500	**160**	4500	**180**	8000	**200**	14000
101	825	**121**	1450	**141**	2575	**161**	4625	**181**	8250	**201**	14500
102	850	**122**	1500	**142**	2650	**162**	4750	**182**	8500	**202**	15000
103	875	**123**	1550	**143**	2725	**163**	4875	**183**	8750	**203**	15500
104	900	**124**	1600	**144**	2800	**164**	5000	**184**	9000	**204**	16000
105	925	**125**	1650	**145**	2900	**165**	5150	**185**	9250	**205**	16500
106	950	**126**	1700	**146**	3000	**166**	5300	**186**	9500	**206**	17000
107	975	**127**	1750	**147**	3075	**167**	5450	**187**	9750	**207**	17500
108	1000	**128**	1800	**148**	3150	**168**	5600	**188**	10000	**208**	18000
109	1030	**129**	1850	**149**	3250	**169**	5800	**189**	10300	**209**	18500
110	1060	**130**	1900	**150**	3350	**170**	6000	**190**	10600	**210**	19000
111	1090	**131**	1950	**151**	3450	**171**	6150	**191**	10900	**211**	19500
112	1120	**132**	2000	**152**	3550	**172**	6300	**192**	11200	**212**	20000
113	1150	**133**	2060	**153**	3650	**173**	6500	**193**	11500	**213**	20600
114	1180	**134**	2120	**154**	3750	**174**	6700	**194**	11800	**214**	21200
115	1215	**135**	2180	**155**	3875	**175**	6900	**195**	12150	**215**	21800
116	1250	**136**	2240	**156**	4000	**176**	7100	**196**	12500	**216**	22400
117	1285	**137**	2300	**157**	4125	**177**	7300	**197**	12850	**217**	23000
118	1320	**138**	2360	**158**	4250	**178**	7500	**198**	13200	**218**	23600
119	1360	**139**	2430	**159**	4375	**179**	7750	**199**	13600	**219**	24300

The reference load is that corresponding to the load index of the designation.

The **SPEED SYMBOL** is a numerical code from international standard tires, which indicates the maximum speed at which the tire can carry a load corresponding to its load index, under specified conditions.

SPEED SYMBOL	A1	A2	A3	A4	A5	A6	A7	A8	B	C	D	E	F	G	J	K	L
Speed (km/h)	5	10	15	20	25	30	35	40	50	60	65	70	80	90	100	110	120

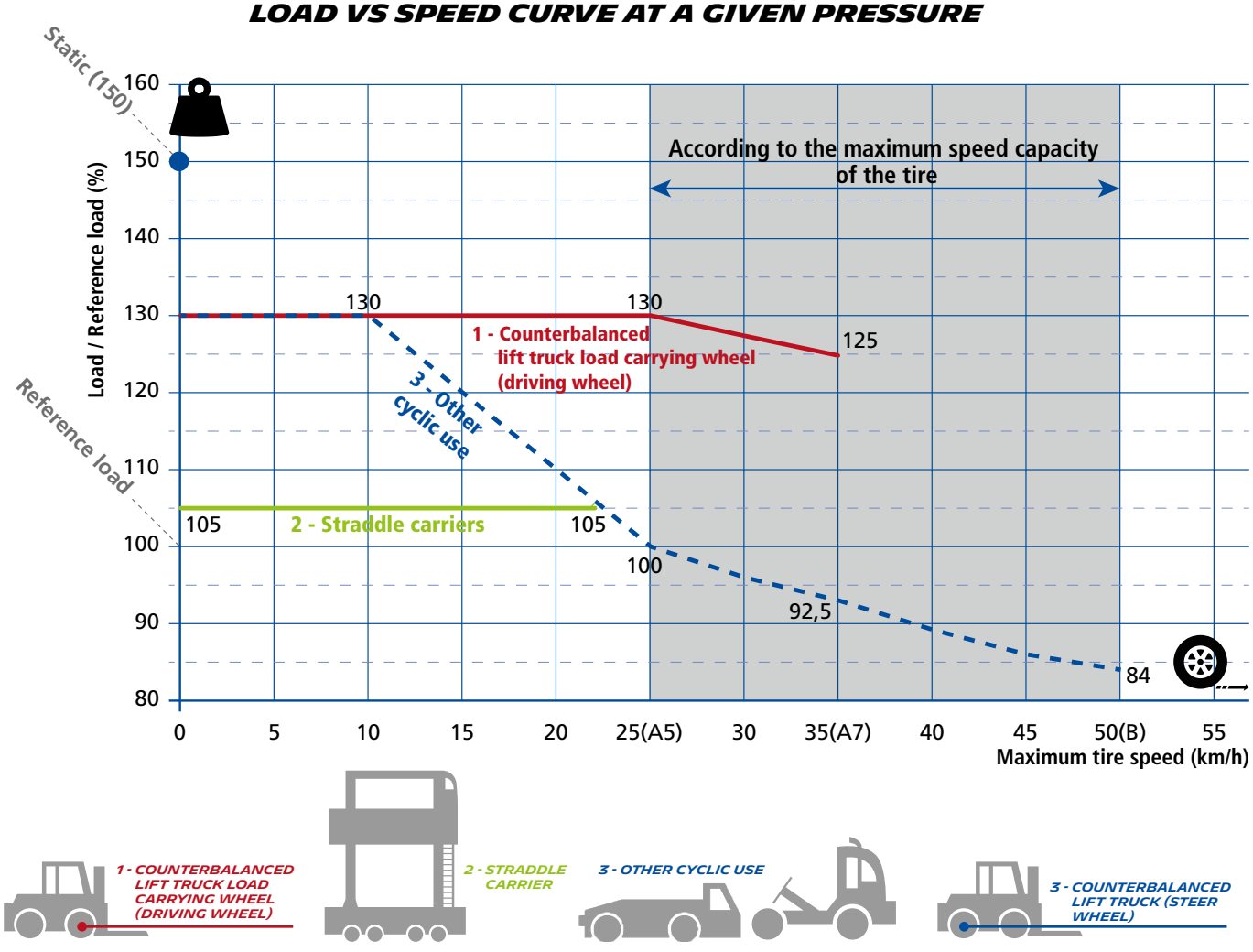
READING GUIDE FOR PRESSURE, LOAD AND USAGE TABLES

The shaded box of load / pressure tables is the value defined by the industry standards.
Up to this limit, the tire works in an optimal zone leading to a better balance of performance.
The use of MICHELIN® tires outside the specification of load / pressure / use tables must be validated by your Michelin representative.
The MICHELIN® radial tires used in Mechanical Handling and presented in this document are designed for a cyclic service: this is the use we define as **mechanical handling, cyclic service**.

CYCLIC SERVICE

The **CYCLIC SERVICE** covers applications where tires are not used continually at the load indicated by the load index and at the speed indicated by the speed symbol. They usually operate one way loaded and one way empty (typically forklift truck, straddle carrier and terminal tractors. *This list is not exhaustive*).
In addition, in the case of counterbalance forklift trucks, the steering wheels (rear axles) are at maximum load when the machine is empty, and the drive wheels (front axles) at maximum load when the machine is laden. In the latter cases the front axle called **"Counterbalanced lift truck - load carrying wheel"**, the tire is rated to carry up to 130% of the reference load.
The Counterbalanced lift truck (steer wheel) "falls under the 'other cyclic use."
It is not possible for a tire to operate carrying more than 130% of the reference load. For **Straddle carrier** use, this maximum limit is 105%.
Below this limit, the load table provides information on the evolution of the load according to the maximum speed of the vehicle, for a given pressure.
The graph below shows the basic design of these tables.

LOAD VS SPEED CURVE AT A GIVEN PRESSURE



It is imperative:

- Not to exceed the maximum speed of the tire (marked on the tire and / or specified in this document).
- Not to exceed the permitted maximum distances in one hour indicated in the tables presented in this document.
- At the time of fitting, it is vital to check the markings, in order to make sure that the tire is suitable for operation at the maximum allowed vehicle speed and load.

In the case where the maximum speed of the machine exceeds the tire Speed Symbol, it is necessary to consult your local Michelin representative. In the case of acceptance, the load capacity of the tire will be reduced.

ADVICE AND RECOMMENDATIONS ON THE USE OF MICHELIN® INDUSTRIAL TIRES

INSERTS AND SOLID FILLS

Inserts and solid fills are sometimes used in lieu of air or nitrogen. This technique is adapted for specific uses.

Some performance are reduced (lower operating speed) and the comfort of the driver of the machine downgraded significantly.
Their implementation requires qualified personnel.

The preceding information is extracted from the USE AND MAINTENANCE GUIDE FOR MICHELIN® EARTHMOVER TIRES.
For more details, consult our website
www.michelinearthmover.com
OR FROM YOUR MICHELIN REPRESENTATIVE.

NITROGEN INFLATION

INTRODUCTION

Under most circumstances, air inflation is suitable for our tires and allows them to work in the best conditions.

WHEN SHOULD NITROGEN INFLATION BE RECOMMENDED ?

Nitrogen is a non-combustible inert gas. Inflating tires with nitrogen enhances security against the risk of inflammation.
Nitrogen, inert and stable gas, with a larger molecule, diffuses more slowly than oxygen through rubber, limiting considerably the risk of oxidation of differents parts of the tire (rubber, cables...) and the steel components.

Nitrogen inflation is recommended for reasons of safety when working under the following conditions:
- areas where there is a risk of explosion.
- working with or in areas involving high-temperature liquids (e.g., foundries, glass works, etc.)
- working in areas where there is a risk of electrical discharge (close to high tension cables...)
- working where overheating of a tire has been caused by:
  - intensive driving (speed, distance, intensity of the cycles)
  - excessive overheating of a mechanical unit (transmission or brakes for example)

Nitrogen inflation is a well-adapted solution for use with mechanical handling equipment.

EQUIPMENT NECESSARY

To install an effective inflation system, Michelin recommends:
- 2 gas bottles of compressed nitrogen
- 1 nitrogen regulator
- an inflation tool in compliance with local regulations.

ATTENTION:
Inflation with nitrogen must be undertaken by a person who has been trained to use it. Never use a nitrogen bottle without the appropriate regulator, and always follow safety guidelines.

SUPPLIERS: Contact your local specialist in compressed gases.

VOLUME OF NITROGEN NECESSARY TO INFLATE A TIRE

The quantity of nitrogen necessary to inflate a tire is proportional to its internal volume and the inflation pressure required.
The volumes of the industrial tires are shown in the following tables (characteristics of MICHELIN® Industrial Tires).

Example: 250 /70 R 15 XZM TL
Interior volume is 39 litres.
For a pressure of 10 bars, the quantity of nitrogen needed is: 39 x 10 = 390 litres.

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** *87*	**8,0** *116*	**10,0** *145*

8"

5.00 R 8 Tubeless

MICHELIN® XZM 111A5 110208 (10)	**15** *9.3*	**137** *5.4*	**463** *18.2*	**213** *8.4*	**1407** *55.4*	**23** *29*	**164** *6.5*	**9** *2*	3.00D **3 1/4 I** 3.50 D		8 CG 83-8 L (8) 83-8 LE	Mechanical handling, cyclic service Static	**1230** *2712*	**1420** *3131*	**1650** *3638*
												≤ 10 km/h ≤ 6 mp/h	**1060** *2337*	**1230** *2712*	**1420** *3131*
												25 km/h 15 mph	**810** *1786*	**940** *2073*	**1090** *2403*
												35 km/h 22 mph	**750** *1654*	**870** *1918*	**1010** *2227*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**1060** *2337*	**1230** *2712*	**1420** *3131*
												25 km/h 15 mph	**1060** *2337*	**1230** *2712*	**1420** *3131*
												35 km/h 22 mph	**1020** *2249*	**1180** *2602*	**1370** *3021*

150/75 R 8 Tubeless

MICHELIN® XZM 113A5 110087 (10)	**15** *9.3*	**151** *5.9*	**424** *16.7*	**194** *7.6*	**1287** *50.7*	**16** *20.2*	**174** *6.9*	**8** *2*	**4.33 R**		8 CG 5-8 (8)	Mechanical handling, cyclic service Static	**1240** *2734*	**1480** *3263*	**1740** *3837*
												≤ 10 km/h ≤ 6 mp/h	**1070** *2359*	**1280** *2822*	**1500** *3308*
												25 km/h 15 mph	**820** *1808*	**980** *2161*	**1150** *2536*
												35 km/h 22 mph	**760** *1676*	**910** *2007*	**1070** *2359*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**1070** *2359*	**1280** *2822*	**1500** *3308*
												25 km/h 15 mph	**1070** *2359*	**1280** *2822*	**1500** *3308*
												35 km/h 22 mph	**1030** *2271*	**1230** *2712*	**1440** *3175*

180/70 R 8 Tubeless

MICHELIN® XZM 125A5 110069 (10)	**15** *9.3*	**170** *6.7*	**454** *17.9*	**205** *8.1*	**1371** *54*	**19** *23.9*	**196** *7.7*	**11** *3*	**4.33 R**		8 D 5-8 (8)	Mechanical handling, cyclic service Static	**1890** *4167*	**2190** *4829*	**2500** *5513*
												≤ 10 km/h ≤ 6 mp/h	**1630** *3594*	**1890** *4167*	**2150** *4741*
												25 km/h 15 mph	**1250** *2756*	**1450** *3197*	**1650** *3638*
												35 km/h 22 mph	**1160** *2558*	**1350** *2977*	**1530** *3374*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**1630** *3594*	**1890** *4167*	**2150** *4741*
												25 km/h 15 mph	**1630** *3594*	**1890** *4167*	**2150** *4741*
												35 km/h 22 mph	**1570** *3462*	**1820** *4013*	**2070** *4564*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Rim Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (Bar / *PSI*) 6,0 *87*	8,0 *116*	10,0 *145*

9"

6.00 R 9 Tubeless

MICHELIN® XZR 121A5 110206	25 *15.5*	164 *6.5*	530 *20.9*	241 *9.5*	1605 *63.2*	10 *12.6*	192 *7.6*	18 *5*	4.00E		9 F 110-9 LD (8) 110-9 LDE	Mechanical handling, cyclic service Static	1590 *3506*	1890 *4167*	2190 *4829*
												≤ 10 km/h ≤ 6 mp/h	1370 *3021*	1630 *3594*	1890 *4167*
												25 km/h 15 mph	1050 *2315*	1250 *2756*	1450 *3197*
												35 km/h 22 mph	980 *2161*	1160 *2558*	1350 *2977*
												40 km/h 25 mph	940 *2073*	1120 *2470*	1300 *2867*
												50 km/h 31 mph	890 *1962*	1050 *2315*	1220 *2690*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	1370 *3021*	1630 *3594*	1890 *4167*
												25 km/h 15 mph	1370 *3021*	1630 *3594*	1890 *4167*
												35 km/h 22 mph	1320 *2911*	1570 *3462*	1820 *4013*

6.00 R 9 Tubeless

MICHELIN® XZM 121A5 110204 (10)	15 *9.3*	164 *6.5*	539 *21.2*	249 *9.8*	1641 *64.6*	24 *30.2*	192 *7.6*	15 *4*	4.00E		9 F 110-9 LD (8) 110-9 LDE	Mechanical handling, cyclic service Static	1590 *3506*	1890 *4167*	2190 *4829*
												≤ 10 km/h ≤ 6 mp/h	1370 *3021*	1630 *3594*	1890 *4167*
												25 km/h 15 mph	1050 *2315*	1250 *2756*	1450 *3197*
												35 km/h 22 mph	980 *2161*	1160 *2558*	1350 *2977*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	1370 *3021*	1630 *3594*	1890 *4167*
												25 km/h 15 mph	1370 *3021*	1630 *3594*	1890 *4167*
												35 km/h 22 mph	1320 *2911*	1570 *3462*	1820 *4013*

200/75 R 9 Tubeless

MICHELIN® XZM 134A5 110090 (10)	15 *9.3*	208 *8.2*	534 *21*	240 *9.4*	1610 *63.4*	22 *27.7*	239 *9.4*	19 *5*	6.00E		9 F 180-9 (8)	Mechanical handling, cyclic service Static	2270 *5005*	2750 *6064*	3210 *7078*
												≤ 10 km/h ≤ 6 mp/h	1950 *4300*	2370 *5226*	2760 *6086*
												25 km/h 15 mph	1500 *3308*	1820 *4013*	2120 *4675*
												35 km/h 22 mph	1390 *3065*	1690 *3726*	1970 *4344*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	1950 *4300*	2370 *5226*	2760 *6086*
												25 km/h 15 mph	1950 *4300*	2370 *5226*	2760 *6086*
												35 km/h 22 mph	1880 *4145*	2280 *5027*	2650 *5843*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** *87*	**8,0** *116*	**10,0** *145*

10"

6.50 R 10 Tubeless

MICHELIN® XZR 128A5 110207	**25** *15.5*	**184** *7.2*	**578** *22.8*	**264** *10.4*	**1753** *69*	**11** *13.9*	**217** *8.5*	**23** *6*	**5.00F** 5.50F		10 F 150-10 LD (8) 150-10 LDE	Mechanical handling, cyclic service Static	**1930** *4256*	**2310** *5094*	**2720** *5998*
												≤ 10 km/h ≤ 6 mp/h	**1660** *3660*	**1990** *4388*	**2340** *5160*
												25 km/h 15 mph	**1280** *2822*	**1530** *3374*	**1800** *3969*
												35 km/h 22 mph	**1180** *2602*	**1420** *3131*	**1670** *3682*
												40 km/h 25 mph	**1140** *2514*	**1360** *2999*	**1610** *3550*
												50 km/h 31 mph	**1080** *2381*	**1290** *2844*	**1520** *3352*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**1660** *3660*	**1990** *4388*	**2340** *5160*
												25 km/h 15 mph	**1660** *3660*	**1990** *4388*	**2340** *5160*
												35 km/h 22 mph	**1600** *3528*	**1910** *4212*	**2250** *4961*

6.50 R 10 Tubeless

MICHELIN® XZM 128A5 110213 (10)	**15** *9.3*	**186** *7.3*	**587** *23.1*	**271** *10.7*	**1786** *70.3*	**27** *34*	**217** *8.5*	**20** *5*	**5.00F** 5.50F		10 F 150-10 LD (8) 150-10 LDE	Mechanical handling, cyclic service Static	**1930** *4256*	**2310** *5094*	**2720** *5998*
												≤ 10 km/h ≤ 6 mp/h	**1660** *3660*	**1990** *4388*	**2340** *5160*
												25 km/h 15 mph	**1280** *2822*	**1530** *3374*	**1800** *3969*
												35 km/h 22 mph	**1180** *2602*	**1420** *3131*	**1670** *3682*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**1660** *3660*	**1990** *4388*	**2340** *5160*
												25 km/h 15 mph	**1660** *3660*	**1990** *4388*	**2340** *5160*
												35 km/h 22 mph	**1600** *3528*	**1910** *4212*	**2250** *4961*

225/75 R 10 Tubeless

MICHELIN® XZM 142A5 110089 (10)	**15** *9.3*	**220** *8.7*	**591** *23.3*	**265** *10.4*	**1779** *70*	**24** *30.2*	**259** *10.2*	**25** *7*	**6.50F**		10 F 7-10 (8)	Mechanical handling, cyclic service Static	**2800** *6174*	**3430** *7563*	**4010** *8842*
												≤ 10 km/h ≤ 6 mp/h	**2410** *5314*	**2960** *6527*	**3450** *7607*
												25 km/h 15 mph	**1850** *4079*	**2270** *5005*	**2650** *5843*
												35 km/h 22 mph	**1720** *3793*	**2100** *4631*	**2460** *5424*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**2410** *5314*	**2960** *6527*	**3450** *7607*
												25 km/h 15 mph	**2410** *5314*	**2960** *6527*	**3450** *7607*
												35 km/h 22 mph	**2320** *5116*	**2840** *6262*	**3320** *7321*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Rim Recommended Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (Bar / *PSI*) 6,0 *87*	8,0 *116*	10,0 *145*

12"

7.00 R 12 Tubeless

MICHELIN® XZR 136A5 110210	25 *15.5*	193 *7.6*	661 *26*	302 *11.9*	2006 *79*	11 *13.9*	230 *9.1*	32 *8*	5.00S		12 H 125-12 LD (8) 125-12 LDE	Mechanical handling, cyclic service			
												Static	2320 *5116*	2750 *6064*	3390 *7475*
												≤ 10 km/h ≤ 6 mp/h	1990 *4388*	2370 *5226*	2920 *6439*
												25 km/h 15 mph	1530 *3374*	1820 *4013*	2240 *4939*
												35 km/h 22 mph	1420 *3131*	1690 *3726*	2080 *4586*
												40 km/h 25 mph	1370 *3021*	1620 *3572*	2000 *4410*
												50 km/h 31 mph	1290 *2844*	1530 *3374*	1890 *4167*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	1990 *4388*	2370 *5226*	2920 *6439*
												25 km/h 15 mph	1990 *4388*	2370 *5226*	2920 *6439*
												35 km/h 22 mph	1920 *4234*	2280 *5027*	2800 *6174*

7.00 R 12 Tubeless

MICHELIN® XZM 136A5 110195 (10)	15 *9.3*	196 *7.7*	671 *26.4*	310 *12.2*	2043 *80.4*	28 *35.3*	230 *9.1*	24 *6*	5.00S		12 H 125-12 LD (8) 125-12 LDE	Mechanical handling, cyclic service			
												Static	2320 *5116*	2750 *6064*	3390 *7475*
												≤ 10 km/h ≤ 6 mp/h	1990 *4388*	2370 *5226*	2920 *6439*
												25 km/h 15 mph	1530 *3374*	1820 *4013*	2240 *4939*
												35 km/h 22 mph	1420 *3131*	1690 *3726*	2080 *4586*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	1990 *4388*	2370 *5226*	2920 *6439*
												25 km/h 15 mph	1990 *4388*	2370 *5226*	2920 *6439*
												35 km/h 22 mph	1920 *4234*	2280 *5027*	2800 *6174*

250/60 R 12 Tubeless

MICHELIN® XZM 145A5 358151 (7)	15 *9.3*	254 *10*	616 *24.3*	280 *11*	1865 *73.4*	27 *34*		30 *8*	8.00G			Mechanical handling, cyclic service			
												Static	3060 *6747*	3700 *8159*	4380 *9658*
												≤ 10 km/h ≤ 6 mp/h	2640 *5821*	3190 *7034*	3770 *8313*
												25 km/h 15 mph	2030 *4476*	2450 *5402*	2900 *6395*
												35 km/h 22 mph	1880 *4145*	2270 *5005*	2690 *5931*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	2640 *5821*	3190 *7034*	3770 *8313*
												25 km/h 15 mph	2640 *5821*	3190 *7034*	3770 *8313*
												35 km/h 22 mph	2540 *5601*	3070 *6769*	3630 *8004*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm 32rd	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** *87*	**8,0** *116*	**10,0** *145*

12"

250/75 R 12 Tubeless

MICHELIN® XZM 152A5 110108 (10)	**15** *9.3*	**256** *10.1*	**688** *27.1*	**311** *12.2*	**2078** *81.8*	**28** *35.3*	**294** *11.6*	**38** *10*	**8.00G**		12 KD 9-12 D (8)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**3730** *8225* **3220** *7100* **2470** *5446* **2290** *5049* **3220** *7100* **3220** *7100* **3090** *6813*	**4570** *10077* **3930** *8666* **3020** *6659* **2800** *6174* **3930** *8666* **3930** *8666* **3780** *8335*	**5370** *11841* **4620** *10187* **3550** *7828* **3290** *7254* **4620** *10187* **4620** *10187* **4440** *9790*

15"

7.00 R 15 Tubeless

MICHELIN® XZM 143A5 110211 (10)	**15** *9.3*	**196** *7.7*	**733** *28.9*	**337** *13.3*	**2230** *87.8*	**28** *35.3*	**235** *9.3*	**30** *8*	**5.5** 6.0		15/16 F 15x6.00 (8) 15x6.00 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**3075** *6780* **2665** *5876* **2050** *4520* **1895** *4178* **2665** *5876* **2665** *5876* **2560** *5645*	**3600** *7938* **3120** *6880* **2400** *5292* **2220** *4895* **3120** *6880* **3120** *6880* **3000** *6615*	**4090** *9018* **3540** *7806* **2725** *6009* **2520** *5557* **3540** *7806* **3540** *7806* **3405** *7508*

7.50 R 15 Tubeless

MICHELIN® XZM 146A5 110214 (10)	**15** *9.3*	**212** *8.3*	**771** *30.4*	**358** *14.1*	**2352** *92.6*	**30** *37.8*	**254** *10*	**38** *10*	**6.0** 6.5		15/16 J 15x6.00 (8) 15x6.00 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**3300** *7277* **2840** *6262* **2180** *4807* **2020** *4454* **2840** *6262* **2840** *6262* **2730** *6020*	**3930** *8666* **3380** *7453* **2600** *5733* **2410** *5314* **3380** *7453* **3380** *7453* **3250** *7166*	**4530** *9989* **3900** *8600* **3000** *6615* **2780** *6130* **3900** *8600* **3900** *8600* **3750** *8269*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** *87*	**8,0** *116*	**10,0** *145*

15"

8.25 R 15 Tubeless

MICHELIN® XZM 153A5 110218 (10)	**15** *9.3*	**240** *9.4*	**835** *32.9*	**386** *15.2*	**2543** *100.1*	**33** *41.6*	**280** *11*	**46** *12*	**6.5** 7.0 7.5		15 K 15x7.50 (8) 15x6.00 (8) 15x6.00 E (a) 15x7.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**4010** *8842* **3450** *7607* **2650** *5843* **2460** *5424* **3450** *7607* **3450** *7607* **3320** *7321*	**4760** *10496* **4100** *9041* **3150** *6946* **2920** *6439* **4100** *9041* **4100** *9041* **3940** *8688*	**5520** *12172* **4750** *10474* **3650** *8048* **3380** *7453* **4750** *10474* **4750** *10474* **4570** *10077*

225/75 R 15 Tubeless

MICHELIN® XZM 149A5 110079 (10)	**15** *9.3*	**225** *8.9*	**708** *27.9*	**322** *12.7*	**2144** *84.4*	**25** *31.5*	**259** *10.2*	**34** *9*	**7.0**		15/16 F 15x7.50 (8) 15x7.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**3480** *7673* **2990** *6593* **2300** *5072* **2130** *4697* **2990** *6593* **2990** *6593* **2880** *6350*	**4230** *9327* **3640** *8026* **2800** *6174* **2590** *5711* **3640** *8026* **3640** *8026* **3500** *7718*	**4910** *10827* **4230** *9327* **3250** *7166* **3010** *6637* **4230** *9327* **4230** *9327* **4070** *8974*

250/70 R 15 Tubeless

MICHELIN® XZM 153A5 110075 (10)	**15** *9.3*	**250** *9.8*	**736** *29*	**333** *13.1*	**2224** *87.6*	**28** *35.3*	**288** *11.3*	**39** *10*	7.0 **7.5**		15/16 J 15x7.50 (8) 15x7.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**3780** *8335* **3250** *7166* **2500** *5513* **2320** *5116* **3250** *7166* **3250** *7166* **3130** *6902*	**4670** *10297* **4020** *8864* **3090** *6813* **2860** *6306* **4020** *8864* **4020** *8864* **3870** *8533*	**5520** *12172* **4750** *10474* **3650** *8048* **3380** *7453* **4750** *10474* **4750** *10474* **4570** *10077*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm 32rd	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Rim Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** / *87*	**8,0** / *116*	**10,0** / *145*

15"

315/70 R 15 Tubeless

MICHELIN® XZM 165A5 110109 (10)	**15** *9.3*	**321** *12.6*	**839** *33*	**374** *14.7*	**2520** *99.2*	**35** *44.1*	**369** *14.5*	**74** *20*	**8.0**		15 P 15x7.50 (8) 15x7.50 E (a)	Mechanical handling, cyclic service			
												Static	**5370** *11841*	**6570** *14487*	**7780** *17155*
												≤ 10 km/h ≤ 6 mp/h	**4620** *10187*	**5660** *12480*	**6700** *14774*
												25 km/h 15 mph	**3550** *7828*	**4350** *9592*	**5150** *11356*
												35 km/h 22 mph	**3290** *7254*	**4030** *8886*	**4770** *10518*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**4620** *10187*	**5660** *12480*	**6700** *14774*
												25 km/h 15 mph	**4620** *10187*	**5660** *12480*	**6700** *14774*
												35 km/h 22 mph	**4440** *9790*	**5440** *11995*	**6440** *14200*

355/65 R 15 Tubeless

MICHELIN® XZM 170A5 003789 (10)	**15** *9.3*	**355** *14*	**842** *33.1*	**376** *14.8*	**2532** *99.7*	**35** *44.1*	**408** *16.1*	**83** *22*	**9.75**			Mechanical handling, cyclic service			
												Static	**6190** *13649*	**7630** *16824*	**9060** *19977*
												≤ 10 km/h ≤ 6 mp/h	**5330** *11753*	**6565** *14476*	**7800** *17199*
												25 km/h 15 mph	**4100** *9041*	**5050** *11135*	**6000** *13230*
												35 km/h 22 mph	**3800** *8379*	**4670** *10297*	**5550** *12238*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	**5330** *11753*	**6565** *14476*	**7800** *17199*
												25 km/h 15 mph	**5330** *11753*	**6565** *14476*	**7800** *17199*
												35 km/h 22 mph	**5130** *11312*	**6310** *13914*	**7500** *16538*

20"

9.00 R 20 Tubeless

MICHELIN® XZM 160A5 110185 (11)	**15** *9.3*	**271** *10.7*	**1033** *40.7*	**482** *19*	**3157** *124.3*	**33** *41.6*	**325** *12.8*	**99** *26*	**7.0** 6.5 - 7.5 7.0T - B 6.5 B 7.0 - B 7.5 7.33V	AE (4)	20 M 20x7.50 E (a)	Mechanical handling, cyclic service			
												Static	**4840** *10672*	**5800** *12789*	**6800** *14994*
												≤ 10 km/h ≤ 6 mp/h	**4160** *9173*	**5000** *11025*	**5850** *12899*
												25 km/h 15 mph	**3200** *7056*	**3840** *8467*	**4500** *9923*
												35 km/h 22 mph	**2970** *6549*	**3560** *7850*	**4170** *9195*
												40 km/h 25 mph	**2850** *6284*	**3420** *7541*	**4010** *8842*
												Counterbalanced Lift Truck - load wheel			
									7.33V	A20 553004		≤ 10 km/h ≤ 6 mp/h	**4160** *9173*	**5000** *11025*	**5850** *12899*
												25 km/h 15 mph	**4160** *9173*	**5000** *11025*	**5850** *12899*
												35 km/h 22 mph	**4000** *8820*	**4800** *10584*	**5620** *12392*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® ® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (Bar / *PSI*) 6,0 *87*	8,0 *116*	10,0 *145*

20"

10.00 R 20 Tubeless

MICHELIN® XZM 166A5 110014 (11)	**15** *9.3*	**295** *11.6*	**1068** *42*	**495** *19.5*	**3257** *128.2*	**35** *44.1*	**354** *13.9*	**117** *31*	**7.5** 7.0 - 8.0 7.0T - 8.0V B 7.0 - B 7.5 B 8.0 - 8.00V	AE (4)	20 Q 20x8.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph 40 km/h 25 mph	**5740** *12657* **4940** *10893* **3800** *8379* **3520** *7762* **3390** *7475*	**6850** *15104* **5890** *12987* **4530** *9989* **4200** *9261* **4040** *8908*	**8010** *17662* **6890** *15192* **5300** *11687* **4910** *10827* **4720** *10408*
									8.00V	A20 553004		Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**4940** *10893* **4940** *10893* **4750** *10474*	**5890** *12987* **5890** *12987* **5660** *12480*	**6890** *15192* **6890** *15192* **6630** *14619*

11.00 R 20 Tubeless

MICHELIN® XZM 169A5 110189 (11)	**15** *9.3*	**294** *11.6*	**1092** *43*	**504** *19.8*	**3325** *130.9*	**38** *47.9*	**353** *13.9*	**124** *33*	**8.0** 7.5 - 8.0V 8.5 - 8.5V B 7.5 - B 8.0 7.33V - 8.00V 8.50V	AE (4)	20 P 20x8.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph 40 km/h 25 mph	**6260** *13803* **5390** *11885* **4140** *9129* **3830** *8445* **3690** *8136*	**7510** *16560* **6470** *14266* **4970** *10959* **4600** *10143* **4430** *9768*	**8760** *19316* **7540** *16626* **5800** *12789* **5370** *11841* **5170** *11400*
									7.33V - 8.00V 8.50V	A20 553004		Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**5390** *11885* **5390** *11885* **5180** *11422*	**6470** *14266* **6470** *14266* **6220** *13715*	**7540** *16626* **7540** *16626* **7250** *15986*

12.00 R 20 Tubeless

MICHELIN® XZM 176A5 110082 (11)	**15** *9.3*	**324** *12.8*	**1136** *44.7*	**522** *20.6*	**3453** *135.9*	**40** *50.4*	**389** *15.3*	**184** *49*	**8.5** 8.0 9.0 B 8.5 8.5V 8.50V 9.00V	AE (4)	20 Q 20x8.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph 40 km/h 25 mph	**7710** *17001* **6630** *14619* **5100** *11246* **4720** *10408* **4540** *10011*	**9220** *20330* **7930** *17486* **6100** *13451* **5650** *12458* **5430** *11973*	**10730** *23660* **9230** *20352* **7100** *15656* **6570** *14487* **6320** *13936*
									8.50V 9.00V	A20 553004		Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**6630** *14619* **6630** *14619* **6380** *14068*	**7930** *17486* **7930** *17486* **7630** *16824*	**9230** *20352* **9230** *20352* **8880** *19580*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** *87*	**8,0** *116*	**10,0** *145*

22.5"

280/75 R 22.5 Tubeless

MICHELIN® X-TERMINAL T 168A8 004371 (12)	**20** *12.4*	**279** *11*	**995** *39.2*	**447** *17.6*	**3000** *118.1*	**31** *39.1*	**326** *12.8*	**85** *22*	**8.25**	NA	NA NA	Terminal tractor Static 5 km/h 3 mph 10 km/h 6 mph 25 km/h 15 mph 40 km/h 25 mph	**5350** *11797* **5060** *11157* **4370** *9636* **4200** *9261* **3750** *8269*	**6900** *15215* **6450** *14222* **5800** *12789* **5300** *11687* **4675** *10308*	**8450** *18632* **7840** *17287* **7280** *16052* **6300** *13892* **5600** *12348*

310/80 R 22.5 Tubeless

MICHELIN® X-TERMINAL T 175A8 278144 (12)	**20** *12.4*	**307** *12.1*	**1084** *42.7*	**483** *19*	**3257** *128.2*	**30** *37.8*	**355** *14*	**116** *31*	**9.0**	NA	NA NA	Terminal tractor Static 5 km/h 3 mph 10 km/h 6 mph 25 km/h 15 mph 40 km/h 25 mph	**6890** *15192* **6160** *13583* **5930** *13076* **5080** *11201* **4450** *9812*	**8655** *19084* **7910** *17442* **7450** *16427* **6420** *14156* **5675** *12513*	**10420** *22976* **9660** *21300* **8970** *19779* **7760** *17111* **6900** *15215*

24"

12.00 R 24 Tubeless

MICHELIN® XZM 178A5 110296 (10)	**15** *9.3*	**325** *12.8*	**1238** *48.7*	**570** *22.4*	**3766** *148.3*	**40** *50.4*	**390** *15.4*	**208** *55*	**8.5** 9.0 8.50V 9.00V **8.5** 9.0 8.50V 9.00V	NA G25	24 Q 24/25x8.50 E (a)	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph 35 km/h 22 mph	**7710** *17001* **6630** *14619* **5100** *11246* **4720** *10408* **6630** *14619* **6630** *14619* **6380** *14068*	**9520** *20992* **8190** *18059* **6300** *13892* **5830** *12855* **8190** *18059* **8190** *18059* **7880** *17375*	**11330** *24983* **9750** *21499* **7500** *16538* **6940** *15303* **9750** *21499* **9750** *21499* **9380** *20683*

14.00 R 24 Tubeless

MICHELIN® XZM 193A5 084179 (9, 15)	**15** *9.3*	**383** *15.1*	**1416** *55.7*	**641** *25.2*	**4280** *168.5*	**63** *79.4*	**460** *18.1*	**247** *65*	**10.0** 10.00W 10.00 WA	NA NA OR 3-25 SULLA 553200	24/25 T 13.00/14.00-24 METAL INSERT GOODTIRE NA	Mechanical handling, cyclic service Static ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h 25 km/h 15 mph	**12540** *27651* **10790** *23792* **8300** *18302* **10790** *23792* **10790** *23792*	**15100** *33296* **13000** *28665* **10000** *22050* **13000** *28665* **13000** *28665*	**17370** *38301* **14950** *32965* **11500** *25358* **14950** *32965* **14950** *32965*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Rim Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (Bar / *PSI*) 6,0 *87*	8,0 *116*	10,0 *145*

25"

16.00 R 25 Tubeless

MICHELIN® XZM 200A5 123781 (15)	15 *9.3*	443 *17.4*	1531 *60.3*	696 *27.4*	4634 *182.4*	71 *89.4*	532 *20.9*	326 *86*	11.25/2.0 13.00/2.0	OR 3-25 SULLA 553200	24/25 VAM 14-24/25 (8)	Mechanical handling, cyclic service			
												Static	15600 *34398*	18225 *40186*	21000 *46305*
												≤ 10 km/h ≤ 6 mp/h	13520 *29812*	15800 *34839*	18200 *40131*
												25 km/h 15 mph	10400 *22932*	12150 *26791*	14000 *30870*
												Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	13520 *29812*	15800 *34839*	18200 *40131*
												25 km/h 15 mph	13520 *29812*	15800 *34839*	18200 *40131*

450/95 R 25 Tubeless

MICHELIN® X-STRADDLE 2 202A7 278967 (17)	15 *9.3*	422 *16.6*	1510 *59.4*	670 *26.4*	4530 *178.3*	50 *63*		342 *90*	11.25/2.0 13.00/2.0	OR 3-25 SULLA 553200	25 WAM 14-24/25 (8)	Straddle carrier			
												22 km/h 14 mph	10630 *23439*	13150 *28996*	15750 *34729*
												25 km/h 15 mph	10125 *22326*	12525 *27618*	15000 *33075*
												35 km/h 22 mph	9370 *20661*	11590 *25556*	13875 *30594*

16.00 R 25 Tubeless

MICHELIN® X-STRADDLE 200A5 788305 (8,16)	12 *7.5*	431 *17*	1510 *59.4*	672 *26.5*	4535 *178.5*	49 *61.7*	535 *21.1*	342 *90*	11.25/2.0 13.00/2.0	OR 3-25 SULLA 553200	25 WAM 14-24/25 (8)	Port handling			
												22 km/h 14 mph	9900 *21830*	12300 *27122*	14700 *32414*
												25 km/h 15 mph	9440 *20815*	11720 *25843*	14000 *30870*
												30 km/h 19 mph	9085 *20032*	11280 *24872*	13475 *29712*

480/95 R 25 Tubeless

MICHELIN® X-STRADDLE 206A5 237120 (16)	12 *7.5*	477 *18.8*	1553 *61.1*	687 *27*	4655 *183.3*	50 *63*	585 *23*	400 *106*	13.00/2.5	OR 3-25 SULLA 553200	25 WAM 16-24/25 (8)	Straddle carrier			
												22 km/h 14 mph	11970 *26394*	14900 *32855*	17850 *39359*
												25 km/h 15 mph	11400 *25137*	14200 *31311*	17000 *37485*
												30 km/h 19 mph	10975 *24200*	13670 *30142*	16355 *36063*

480/95 R 25 Tubeless

MICHELIN® X-STRADDLE 2 206A7 653072 (17)	15 *9.3*	467 *18.4*	1553 *61.1*	687 *27*	4655 *183.3*	50 *63*	580 *22.8*	410 *108*	13.00/2.5 11.25/2.0 [1.7]	OR 3-25 SULLA 553200	25 WAM 16-24/25 (8)	Straddle carrier			
												22 km/h 14 mph	11970 *26394*	14900 *32855*	17850 *39359*
												25 km/h 15 mph	11400 *25137*	14200 *31311*	17000 *37485*
												35 km/h 22 mph	10545 *23252*	13135 *28963*	15725 *34674*

18.00 R 25 Tubeless

MICHELIN® XZM2+ 207A5 230783 (14)	10 *6.2*	503 *19.8*	1668 *65.7*	751 *29.6*	5032 *198.1*	78 *98.3*	612 *24.1*	470 *124*	15.00/2.5 13.00/2.5	OR 3-25 SULLA 553200	25 WAM 16-24/25 (8)	Mechanical handling, cyclic service			
												Static	18380 *40528*	22280 *49127*	26250 *57881*
												≤ 10 km/h ≤ 6 mp/h	15930 *35126*	19180 *42292*	22750 *50164*
												25 km/h 15 mph	12250 *27011*	14750 *32524*	17500 *38588*
MICHELIN® X STACKER 207A5 545441 (18)	5 *3.1*	463 *18.2*	1666 *65.6*	757 *29.8*	5043 *198.5*	90 *113.4*	556 *21.9*	460 *122*				Counterbalanced Lift Truck - load wheel			
												≤ 10 km/h ≤ 6 mp/h	15930 *35126*	19180 *42292*	22750 *50164*
												25 km/h 15 mph	15930 *35126*	19180 *42292*	22750 *50164*

MAX. TIRE LOADS IN KG AND IN LB

COMMERCIAL DESCRIPTION Types CAI (Part Number)	Max. dist. / hour km *Miles*	DIMENSIONAL CHARACTERISTICS (2) Michelin® dimensions e mm *inches*	D mm *inches*	R' mm *inches*	RC mm *inches*	Tread depth mm *32rd*	Dual spacing mm *inches*	Cap. l *gallons*	Measuring Recommended Rim Approved Rims (2) - (3)	Tubeless TBS (4) O-Ring (5) CAI	Tube Type Tube Ref. Flap (5)	Max. speed (km/h)	PRESSURE (**Bar** / *PSI*) **6,0** *87*	**8,0** *116*	**10,0** *145*

25"

18.00 R 25 Tubeless

MICHELIN® X STACKER 2 207A5 101475 (20)	**7** *4.3*	**501** *19.7*	**1656** *65.2*	**750** *29.5*	**5006** *197.1*	**72** *90.7*	**612** *24.1*	**465** *123*	**13.00/2.5** 15.00/2.5	OR 3-25 SULLA 553200	25 WAM 16-24/25 (8)	Mechanical handling, cyclic service Static	**18380** *40528*	**22280** *49127*	**26250** *57881*
												≤ 10 km/h ≤ 6 mp/h	**15930** *35126*	**19180** *42292*	**22750** *50164*
												25 km/h 15 mph	**12250** *27011*	**14750** *32524*	**17500** *38588*
												Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h	**15930** *35126*	**19180** *42292*	**22750** *50164*
												25 km/h 15 mph	**15930** *35126*	**19180** *42292*	**22750** *50164*

33"

18.00 R 33 Tubeless

MICHELIN® XZM2+ 214A5 305696 (14)	**10** *6.2*	**503** *19.8*	**1841** *72.5*	**826** *32.5*	**5547** *218.4*	**78** *98.3*	**604** *23.8*	**520** *137*	**13.00/2.5**	OR 3-33 553203	33 VFAM 16-33 (8)	Mechanical handling, cyclic service Static	**22500** *49613*	**27000** *59535*	**31800** *70119*
												≤ 10 km/h ≤ 6 mp/h	**19500** *42998*	**23400** *51597*	**27560** *60770*
												25 km/h 15 mph	**15000** *33075*	**18000** *39690*	**21200** *46746*
												Counterbalanced Lift Truck - load wheel ≤ 10 km/h ≤ 6 mp/h	**19500** *42998*	**23400** *51597*	**27560** *60770*
												25 km/h 15 mph	**19500** *42998*	**23400** *51597*	**27560** *60770*

NOTES

OTHER MICHELIN® RADIAL TIRES USED FOR MECHANICAL HANDLING

CONDITIONS OF USE

The range of Michelin® industrial tires has been specifically designed to equip industrial machines.
The sizes are specific to these machines and their work; the loads and speeds correspond to standardised figures.

Each time tires need to be fitted to mechanical handling equipment, the following rules should be followed:
1°) When the tire size exists in the industrial tire range, the industrial tire must be used.
2°) When size does not exist in the industrial tire range, it may be necessary to consult other tire ranges (Agriculture, Truck or Earthmover), whose characteristics are compatible.

In all cases contact your Michelin® representative who will be able to guide you on the best solution.
Technical validation will be provided by Michelin® for these uses.

COMPONENTS USED WITH INDUSTRIAL AND HANDLING TIRES

(#) These components are not manufactured by Michelin®
For further information, please contact your local dealer

TUBELESS BEAD SEAL

DEFINITION

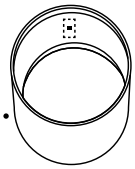
The TBS is a special device allowing the fitment of tubeless tires as tubeless on tube-type rims.
It consists of a ring of special rubber, which is placed inside the tire, and fits between the tire beads.
It ensures the airtightness of the wheel and tire assembly.
Valves and plug can be ordered separately, if required.
RANGE (for fitment with XZM TL up to and including 20")
CAUTION ! The choice of TBS depends on the wheel rim (#) width.

RIM DIAMETER (INCHES)	CORRESPONDING SIZES	WIDTH RIM (#)	DESCRIPTIONS			
			BEAD SEAL	VALVE	PLASTIC PLUG	CAI (TBS + valve + plug)
8	5.00 R 8 TL	3 1/4 I 3.00 D	80 TL 8	R 2160	- -	102150
	150 / 75 R 8	4.33 R	110 TL 8	R 2102	-	613972
	180 / 70 R 8 TL	4.33 R	110 TL 8		-	613972
9	6.00 R 9 TL	4.00 E	100 TL 9	R 2160	-	102151
	200 / 75 R 9	6.00 E	150 TL 9	R 2102	-	102182
10	6.50 R 10 TL	5.00 F	125 TL 10	R 2102	-	102183
	225 / 75 R 10 TL	6.50 F	165 TL 10		R 2110	102184
12	7.00 R 12 TL	5.00 S	125 TL 12	R 2102	-	522788
	250 / 75 R 12 TL	8.00 G	200 TL 12		R 2110	787198
15	7.00 R 15 TL	5.5	140 TL 15	R 2102	-	454346
	7.00 R 15 TL • 7.50 R 15 TL	6.0	150 TL 15		R 2110	702507
	7.50 R 15 TL • 8.25 R 15 TL	6.5	165 TL 15			575769
	8.25 R 15 TL • 225/75 R 15 TL • 250/70 R 15 TL	7.0	175 TL 15			260511
	250 / 70 R 15 TL	7.5	190 TL 15			464164
	315 / 70 R 15 TL	8.0	200 TL 15			609679
	355 / 65 R 15 TL	9.75	250 TL 15			026320
20	9.00 R 20 TL • 10.00 R 20 TL	7.0	175 TL 20	R 2102	R 2110	102087
	9.00 R 20 TL • 10.00 R 20 TL • 11.00 R 20 TL	7.5	190 TL 20			102083
	10.00 R 20 TL • 11.00 R 20 TL • 12.00 R 20 TL	8.0	200 TL 20			102085
	11.00 R 20 TL • 12.00 R 20 TL	8.5	215 TL 20			102086

SIZE MARKINGS

Example of marking:
110 TL 8 (for 4.33R - 8 rim).
110: indicates the width of the TBS in mm
TL for a tubeless tire
8 indicates the rim diameter in inches
The choice of TBS depends on the width of the rim on which the tire is to be fitted.
The allowed rim width(s) are indicated on each tubeless bead seal.

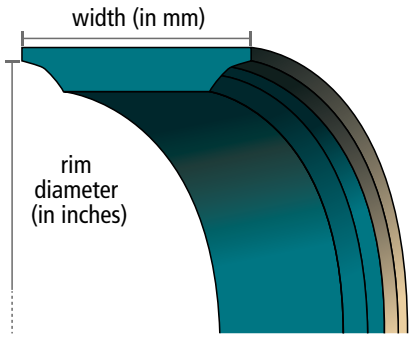
TUBELESS BEAD SEAL



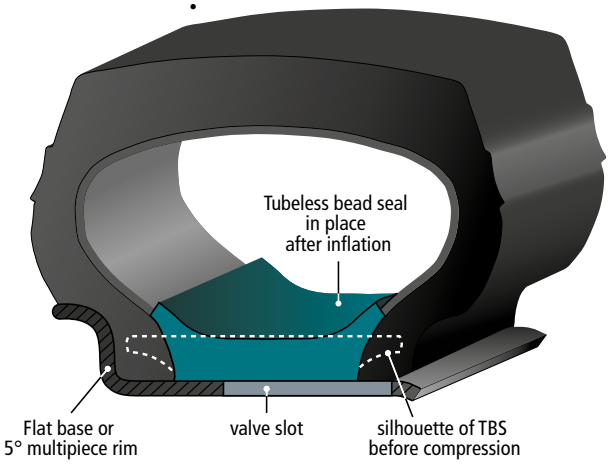
TBS fitted on wheels whith width less than 6 inches have a chimney where the valve will be positioned.
TBS for wheels with width greater than or equal to 6 inches have two chimneys; one central and the other offset to allow correct positioning
relative to the valve sleeve. The chimney which is not used by the valve, is sealed with a plastic plug (supplied with the TBS).

PRINCIPLE

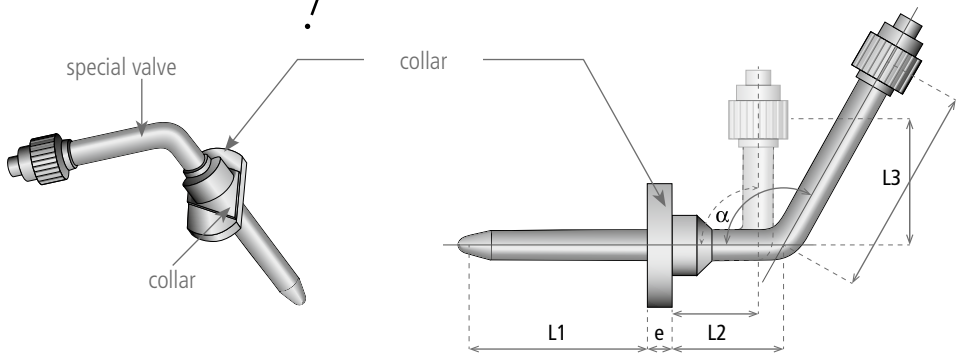
CROSS SECTION OF A TBS



CROSS SECTION OF A FITTED TBS



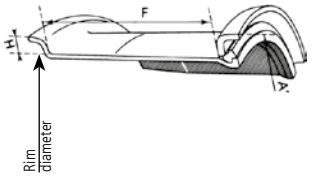
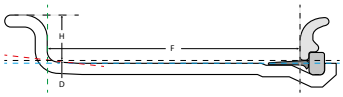
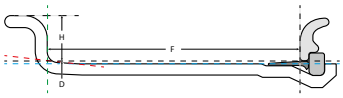
SPECIAL COLLARED VALVE



Valves for TBS	Ref.	CAI	α	L1	L2	L3	e	collar
Small valve, small collar	R2160	564220	94°	37 mm	18 mm	25 mm	3 mm	11 x 24 mm
Small valve, standard collar	R2102	563008	94°	37 mm	16 mm	25 mm	5 mm	14 x 25 mm
Large valve, standard collar	R2161	158244	94°	36,5 mm	11 mm	55 mm	5 mm	14 x 25 mm

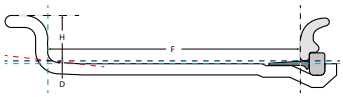
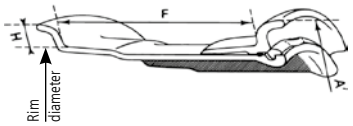
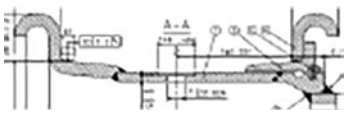
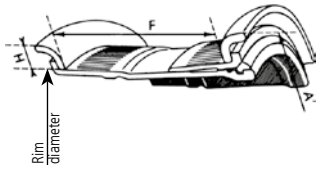
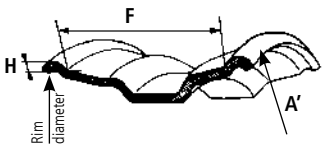
Plug	Ref.	CAI
	R2110	579048

APPROVED RIMS FOR INDUSTRIAL TIRES

RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES		RIM R/A(**)	TIRE SIZES	SEAL	TL	TT
FLAT BASE RIMS 	8 - **4.33 R**	110 4,3	28,5 **1,1**	209,2	202,4	R	**180/70 R 8**	none		
	15 - **6.00 S**	152,4 6,0	33,3 **1,3**	387,0	381,0	R	**7.50 R 15**			
	20 - **7.33 V**	186 7,3	44 **1,7**	511,2	508,0	A	9.00 R 20 XZM	**R 1443** Tyran (A 20)	2	2
						A	10.00 R 20 XZM		2	2
						A	11.00 R 20 XZM		2	2
	20 - **8.00 V**	203 8,0	44 **1,7**			A	10.00 R 20 XZM		2	2
						A	11.00 R 20 XZM		2	2
	20 - **8.50 V**	216 8,5	44 **1,7**			A	11.00 R 20 XZM		2	2
						A	12.00 R 20 XZM		2	2
	20 - **9.00 V**	228,5 9,0	44 **1,7**			A	12.00 R 20 XZM		2	2
	24 - **8.50 V**	216 8,5	44 **1,7**	612,8	609,6	A	12.00 R 24 XZM	G25	2	2
	24 - **9.00 V**	228,5 9,0	44 **1,7**			A	12.00 R 24 XZM	G25	2	2
	24 - **10.00 W**	254 10.0	51 **2.0**			A	14.00 R 24 XZM			
5º TAPER BEAD 2 SEATS RIMS  (removable bead seat, split)	20 - **B 6.5**	165 6,5	38 **1,5**	512,8	512,8	A	9.00 R 20 XZM	**R 1443** Tyran (A 20)	NA	2
	20 - B 7.0	178 7,0	38 **1,5**			A	9.00 R 20 XZM		NA	2
						A	10.00 R 20 XZM		NA	2
	20 - B 7.5	190,5 7,5	43 **1,7**			A	9.00 R 20 XZM		NA	2
						A	10.00 R 20 XZM		NA	2
						A	11.00 R 20 XZM		NA	2
	20 - B 8.0	203 8,0	43 **1,7**			A	10.00 R 20 XZM		NA	2
						A	11.00 R 20 XZM		NA	2
	20 - B 8.5	216 8,5	45,5 **1,8**			A	11.00 R 20 XZM		NA	2
						A	12.00 R 20			
	24 - B 8.5	216 8,5	45,5 **1,8**			A	12.00 R 24			
5º TAPER BEAD 2 SEATS RIMS *(ADVANCED RIM)*  (removable bead seat, split)	8 - **3.00 D**	76 3,0	18 **0,7**	202,4		A	5.00 R 8	none		
	8 - 3 **1/4 I** (Divided rim)	82,5 3,2	16 **0,6**			R	**5.00 R 8**			
	8 - **5.00 F**	127 5,0	22,5 **0,9**	202,4		R	180/70 R 8			
	9 - **4.00 E**	101,5 4,0	20 **0,8**	227,8		R	**6.00 R 9**			
	10 - **5.00 F**	127 5,0	22,5 **0,9**	253,2		R	**6.50 R 10**			
	10 - **5.50 F**	140 5,5	22,5 **0,9**			A	6.50 R 10			
	10 - **6.50 F**	165 6,5	22,5 **0,9**			R	**225/75 R 10**			
	12 - **5.00 S** (and divided rim)	127 5,0	31,5 **1,2**	308,8		R	**7.00 R 12**			
	12 - **8.00 G**	203 8,0	28 **1,1**	304,0		R	**250/75 R 12**			
	15 - **5.5**	139,5 5,5	30,5 **1,2**	387,4	387,0	R	**7.00 R 15**			
	15 - **6.0**	152,5 6,0	33 **1,3**			A	7.00 R 15			
						R	**7.50 R 15**			
	15 - **6.5**	165 6,5	35,5 **1,4**			A	7.50 R 15			
						R	**8.25 R 15**			
	15 - **7.0**	178 7,0	38 **1,5**	387,4	387,0	R	**225/75 R 15**	none		
						A	8.25 R 15			
						A	250/70 R 15			
	15 - **7.5**	190,5 7,5	40,5 **1,6**			R	**250/70 R 15**			
	15 - **8.0**	203 8,0	43 **1,7**			R	**315/70 R 15**			
	15 - **9.75**	247,5 9,7	38 **1,5**			R	**355/65 R 15**			

** R = recommended - A = Allowed

APPROVED RIMS FOR INDUSTRIAL TIRES

RIM TYPES	RIM DESIGN.	F MM INCHES	H (13) MM INCHES	D (13B) MM INCHES		RIM R/A(**)	TIRE SIZES	SEAL	TL	TT
5° TAPER BEAD 2 SEATS RIMS *(ADVANCED RIM)*  (removable bead seat, split)	20 - **6.5**	165 6,5	35,5 **1,4**	514,4	514,0	A	9.00 R 20 XZM	none	NA	0
	20 - **7.0**	178 7,0	38 **1,5**			R A	**9.00 R 20 XZM** 10.00 R 20 XZM	none none	NA NA	0 0
	20 - **7.0 T**	177,8 7,0	38,1 **1,5**			R R	9.00 R 20 XZM 10.00 R20 XZM	none	NA	0
	20 - **7.5**	190,5 7,5	40,5 **1,6**			A R A	9.00 R 20 **10.00 R 20** 11.00 R 20	none none none	NA NA NA	0 0 0
	20 - **8.0**	203 8,0	43 **1,7**			A R A	10.00 R 20 **11.00 R 20** 12.00 R 20	none none none	NA NA NA	0 0 0
	20 - **8.0 V**	203 8,00	27,5 **1,1**			R R	10.00 R 20 XZM 11.00 R 20	none none	NA	2
	20 - **8.5**	216 8,5	45,5 **1,8**			A R	11.00 R 20 XZM **12.00 R 20 XZM**	none	NA	0
	20 - **8.5 V**	216 8,5	44,4 **1,7**			R R	11.00 R 20 12.00 R 20	none		
	20 - **9.0**	228,5 9,0	48,5 **1,9**			A	12.00 R 20 XZM	none	NA	0
	24 - **8.5**	216 8,5	45,5 **1,8**	616,0	615,5	A	12.00 R 24XZM	G25	NA	2
	24 - **9.0**	228,5 9,0	48,5 **1,9**			A	12.00 R 24 XZM	G25	NA	2
	24 - **10.0**	254 10,0	50,8 **2,0**			R	**14.00 R 24 XZM**	none	NA	0
5° TAPER BEAD SEAT RIMS *(3 PIECES)*  (*) New wheels have additional marking "IF." The IF flanges feature an Integrated Flange, suited for radial tires. The width of the flange is larger.	24 - **10.00 WA**	254 10,0	51 **2,0**	614,4		R	**14.00 R 24 XZM**	**Sulla** (OR 3-25)	1	0
	25 - **11.25/2.0 IF**(*)	284 11,2	51 **2,0**	635,0		R	**16.00 R 25**	**Sulla** (OR 3-25)		
	25 - **13.00/2.5 IF**(*)	330 13,0	63,5 **2,5**			R	**18.00 R 25**			
5° TAPER BEAD SEAT RIMS 	24 - **10.00 WA**	254 10,0	51 **2,0**	614,4			**14.00 R 24 XZM**	**Sulla** (OR 3-25)		
5° TAPER BEAD SEAT RIMS *(5 PIECES)* 	25 - **11.25/2.0**	284 11.2	51 **2.0**	635,0		R	**16.00 R 25**	**Sulla** (OR 3-25)		
	25 - **13.00/2.0**	330 13,0	51 **2,0**			A	16.00 R 25			
	25 - **13.00/2.5**	330 13.0	63,5 **2.5**			R R	**18.00 R 25** **480/95 R 25**			
	25 - **15.00/2.5**	381 15,0	63,5 **2,5**			A	18.00 R 25			
	33 - **13.00/2.5**	330 13.0	63,5 **2,5**	838,2		R	**18.00 R 33**	**Strix** (OR 3-33)		
15° TAPER DROP CENTER RIMS 	22.5 x 8.25	209,5 8.25	12.7 **0.5**	571,5		A R	280/75 R 22.5 XTT 310/80 R 22.5 XTT (except AIM Zone)	none		
	22.5 x 9.00	228.6 9.00	12.7 **0.5**			R	310/80 R 22.5			

** R = recommended - A = Allowed

TUBES AND FLAPS FOR HANDLING TIRES

RIM DIAMETER	FITS TIRE SIZES	TUBE REFERENCE	VALVE REFERENCE	VALVE TYPE (#)	TUBE + VALVE CAI	FLAP REFERENCE	FLAP CAI
8"	5.00 R 8 (5.70 R 8)	8 CG	570	SC	101013	83-8 LE	102500 437837
	150/75 R 8 (16 x 6 R 8)					5-8 (8)	102530
	180 / 70 R 8 (18 x 7 R 8)	8 D	570	SC	101022		
9"	6..00 R 9 (6.90 R 9)	9 F	570	SC	101040	110-9 LDE	102660 387950
	200/75 R 9 (21 x 8 R 9)					180-9 (8)	552101
10"	6.50 R 10	10 F	1012	SC	101049	150-10 LDE	102670 299713
	225/75 R 10 (23 x 9 R 10)					7-10 (8)	551007
12"	7.00 R 12	12 H	578	DC	101078	125-12 LDE	102680 243961
	250 / 75 R 12 (27 x 10 R 12)	12 KD	578	DC	101123	9-12D (8)	102720
15"	7.00 R 15	15/16 F	570	SC	101071	15 x 6.00 E (a)	511268 843437
	225 / 75 R 15 (28 x 9 R 15)					15 x 7.50 E (a)	084220 904287
	7.50 R 15	15/16 J	570	SC	101106	15 x 6.00 E	511268 843437
	250/70 R 15 (250 R 15)					15 x 7.50 E (a)	084220 904287
	8.25 R 15	15 K	1156	SC	101128	15 x 6.00 E	511268 843437
						15 x 7.50 E (a)	084220 904287
	315/70 R 15 (300 R 15)	15P	582	TC	510204		
20"	9.00 R 20	20 M	1157	SC	101153	20 x 7.50 E (a)	818874 320222
	10.00 R 20	20 N	1158	SC	101161		
	11.00 R 20	20 P	1158	SC	101173	20 x 8.50 E (a)	111005 162318
	12.00 R 20	20 Q	1158	SC	101192		
24"	12.00 R 24	24 Q	582	TC	101196	24/25 x 8.50 E (a)	001444 018130
	14.00 R 24	24/25 T	752	SC	514503	13-24/25 S (8)	551601
25"	16.00 R 25	25 VAM	1837 (TRJ650)	SC	101871	14-24/25 (8)	551604
	18.00 R 25					16-24/25 (8)	551608
33"	18.00 R 33	33 VFAM	1837 (TRJ650)	SC	101321	16 - 33 (8)	551760

(#) DR = straight valve, SC = single bend valve, DC = double bend valve, TC = triple bend valve, see pages 138 & 139.

TUBE MARKINGS

example: 1: **24/25 T** 2: **25 W AM**

The first two numbers indicate the bead seat (rim) diameter of the tire into which the tube can be fitted.
(in the first example, the tube may be fitted in 24 and 25 inch tires. In the second example, the tube may be fitted only in 25 inch tires.)
The first letter corresponds to the section width of the tube (internal width of the tire), this ranges from A to Z, with A being the smallest (in the examples above, T and W indicate that the tubes are designed for fitting into tires of relatively large section width).
Sometimes, a second letter provides additional information: B, E, F and H which indicate intermediate widths.
The third and fourth letters are an indication of the valve type.
AM indicates that the tube is fitted with an American valve base, R1946 (TRA SP4000) and a valve stem R1837 (TRJ 650).
D would indicate that the valve is offset. T would indicate a tractor tube fitted with an air-water valve, ex. type TR 218A.
Explanation on valves and valve bases are given on subsequent pages.

FLAP MARKINGS

Flaps which contain the letter "D" in their description have an offset valve hole (e.g.: 125 - 12 LD). Check before fitting centering or offset of the valve hole on the rim. In the absence of any specification, provided the flap is the one mentioned in bold in the table of characteristics of the size.

example 1: **83-8 LE**
The first number indicates the profil width of the flap expressed in mm.
In this example, the profile width of the flap is 83 mm.
The second number indicates the tire seat diameter expressed in inches, with which the flap is be used.
In this example, the flap may be used with 8-inch tires.
The L letter indicates that the edges are tapered.
Letters correspond to the last generation of flaps.

example 2: **20 x 8.50 E**
The first number indicates the tire seat diameter, expressed in inches, with which the flap is to be used.
In this example, the flap may be used with 20-inch tires.
The second number indicates the overall width of the flap (width + height), in inches.
In this example, the overall width of the flap is 8.50 inches.
Letters correspond to the last generation of flaps.

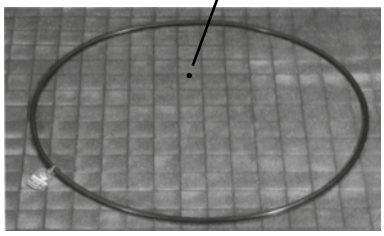
example 3: **16-24/25**
The first number indicates the total width of the flap (includes height of edges), expressed in either mm or in inches.
In the example above, the width of the flap is 16 inches.
The second number indicates the rim diameter, or the tire bead seat (rim) diameter in inches, with which the flap is to be used. In this example, the flap may be used with 24 - and 25 - inch tires.
Additional letters may be used to provide supplementary information.
For example, the significance of different letters is as follows:
L - the edges are tapered, B - the flap has a reinforcing boss around the valve position, S - the flap is reinforced, D - offset hole for valve.

SEALS FOR HANDLING TIRES AND RIMS

NAME	DESIGNATION	REFERENCE	C.A.I.	TYPE	REMARKS
Tyran	A 20	R 1443	553 004	Corner seal	for 20" tires
Heupo	OR 2 - 25	R 1438	553 201	o-ring	for 25" rim (3 pieces not IF) or for 24" rim 10.00VA
Sulla	OR 3 - 25	R 1437	553 200	o-ring	for 25" rim (3 pieces IF or 5 pieces) or for 24" 10.00WA
Strix	OR 3 - 33	R 1440	553 203	o-ring	for 33" rim

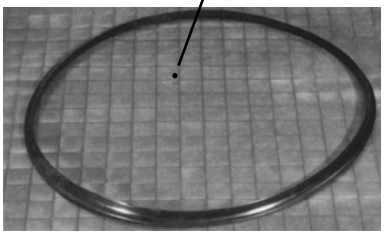
SEAL DESCRIPTION

O-RING



Explanation of the sealing ring designation
The first number is the section diameter of the seal:
OR: Abbreviation of O-Ring
- imperial number: value expressed in 1/8 of inch (3 = 3/8)
- decimal number: value expressed in mm (6.6 = 6,6 mm)
The second number is the nominal bead seat diameter, expressed in inches.

CORNER SEAL



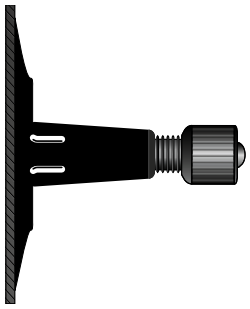
Explanation of the corner seal designation
The letter indicates the profile of the seal.
The number is the nominal rim diameter, in inches.

Note:
Approval for use of corner seals MUST BE obtained from Michelin.

VALVES AND ASSOCIATED ACCESSORIES FOR INDUSTRIAL AND HANDLING TIRES AND RIMS

In all cases, the valve cap is essential because it helps maintain the cleanliness of the mechanism and ensure air tightness of the valve.

CAR TUBE TYPE STRAIGHT VALVE

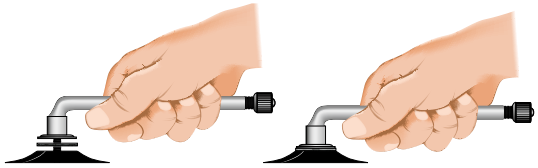


Michelin® code	ETRTO code	Valve code	Valve hole Ø in mm
611	V2-01-2	TR 15	16
746	V2-01-1	TR 13	11.5

VALVE MARKINGS

The valve is circular and is marked in accordance with ETRTO standards, starting at the top of the valve, and in the following order:
- NAME (or trademark) of the valve manufacturer and his reference number.
- ETRTO reference number.

FITTING A UNIVERSAL VALVE ON A MICHELIN® TUBE WITH A VALVE BASE

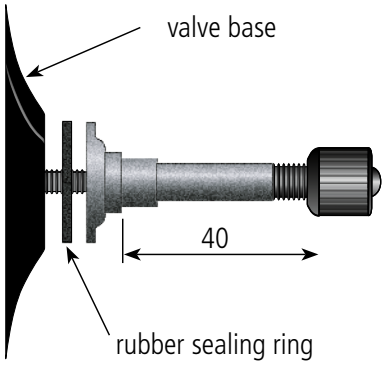


1 - Position the sealing ring on the valve.
The sealing ring must be clean and dry.
2 - Hand tighten the valve until it just touches the sealing ring.
3 - Tighten the valve for a further two turns.
4 - To orientate the valve in the desired position, tighten further.

IMPORTANT: never unscrew the valve to the desired position.

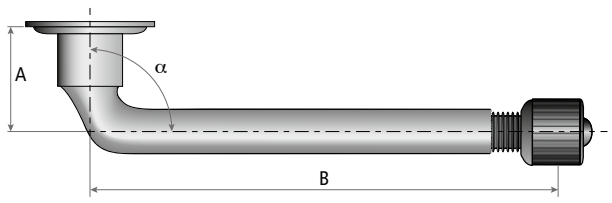
SMALL TRUCK UNIVERSAL STRAIGHT VALVE

Fitted to Michelin® tubes for the occasional equipment Tube-Type on 5° and 15° non U taper drop centre rim.



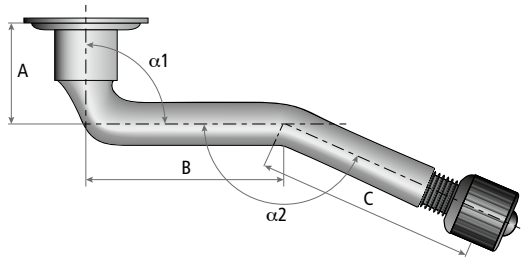
Michelin® code	ETRTO Designation	Valve hole Ø in mm	A	
			mm	inches
1964	/	9.7	40	1.57

TRUCK TYPE UNIVERSAL SINGLE BEND VALVE



Michelin® code	ETRTO Designation	A		B		α°
		mm	inches	mm	inches	
570	V3-02-2	22.5	0.89	43	1.69	120
576	V3-02-3	33	1.30	44.5	1.75	95
752	V3-02-17	20.5	0.81	156.5	6.16	90
1012	V3-02-23	30	1,18	65	2,56	90
1021	V3-02-10	20,5	0,81	115	4,53	94
1156	V3-02-9	20,5	0,81	99,5	3,92	94
1157	V3-02-12	20,5	0,81	132	5,20	94
1158	V3-02-14	20,5	0,81	138,5	5,45	94

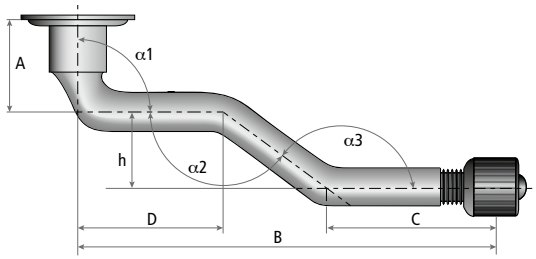
TRUCK TYPE UNIVERSAL DOUBLE BEND VALVE



Michelin® code	ETRTO Designation	α1°	α2°
578	V3-04-1	90	140

A		B		C	
mm	inches	mm	inches	mm	inches
20,5	0,81	32	1,26	37	1,46

TRUCK TYPE UNIVERSAL TRIPLE BEND VALVE

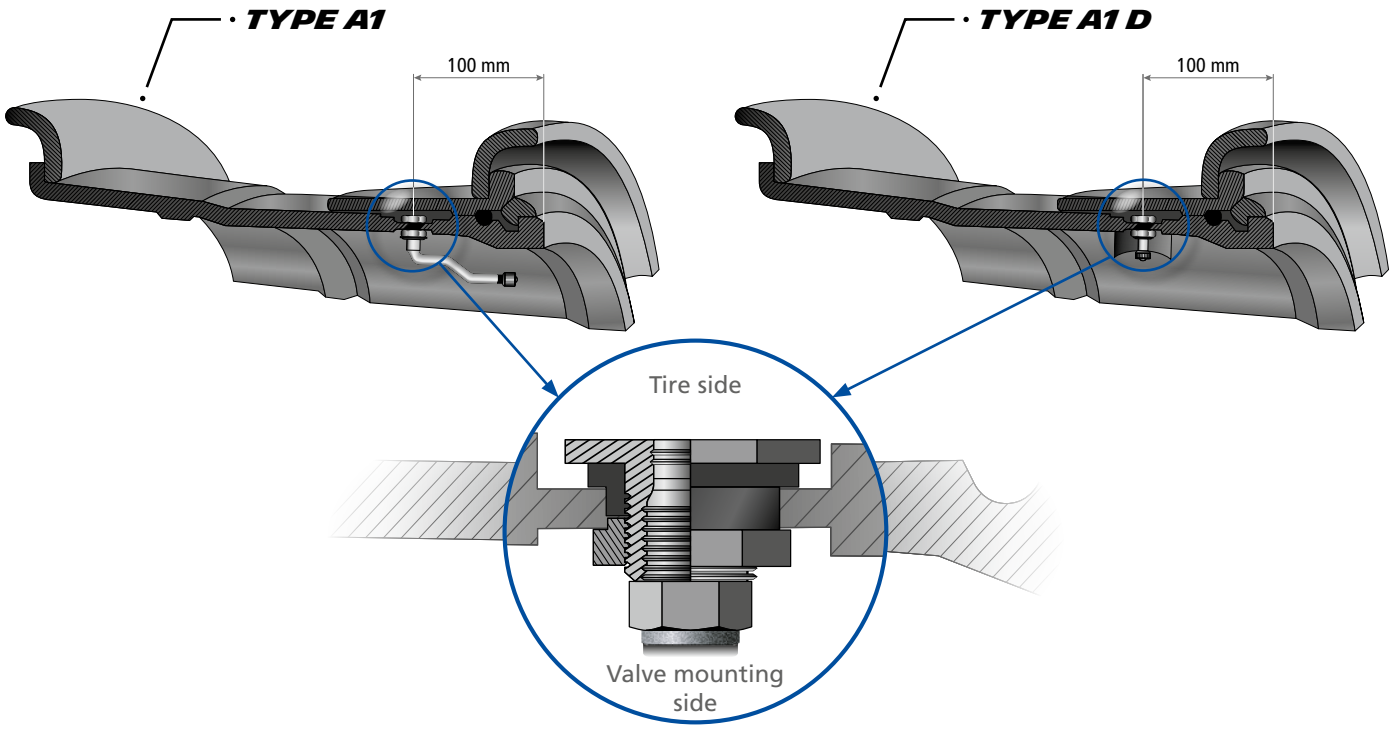


Michelin® code	ETRTO Designation	α1°	α2°	α3°
582	V3-06-5	90	139	139

A		B		C		D	
mm	inches	mm	inches	mm	inches	mm	inches
20.5	0.81	131	5.16	49	1.93	62.5	2.46

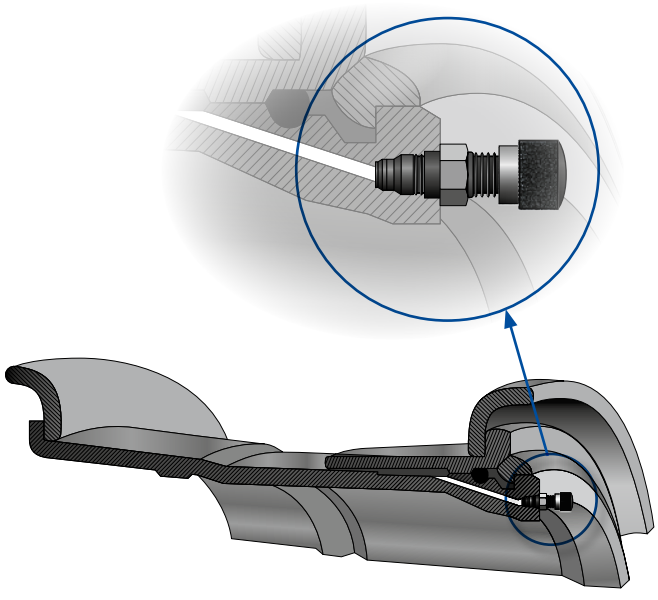
TYPES OF TUBELESS EARTHMOVER VALVES

A1 TYPE VALVE

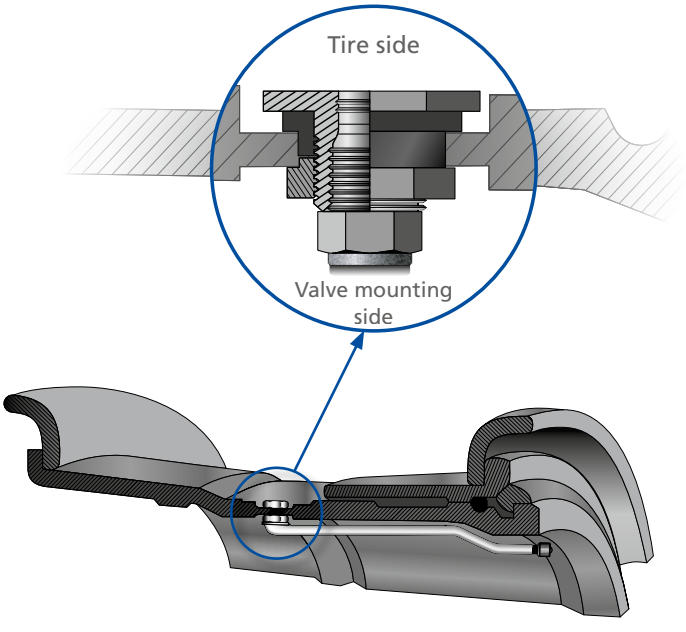


VALVE COMBINATION A4 TYPE
Comprised of two A1 TYPE valves, both set at 100 mm from the rim edge, to enable water filling.

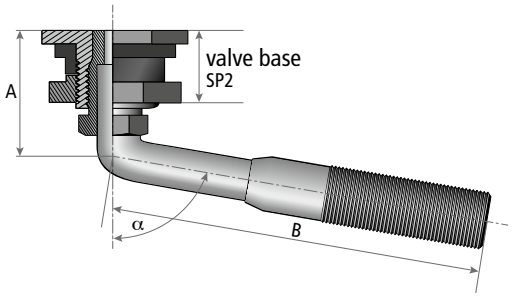
VALVAGE A2 TYPE



VALVAGE A3 TYPE



EARTHMOVER TUBELESS VALVE (AMERICAN, TRA STANDARD)

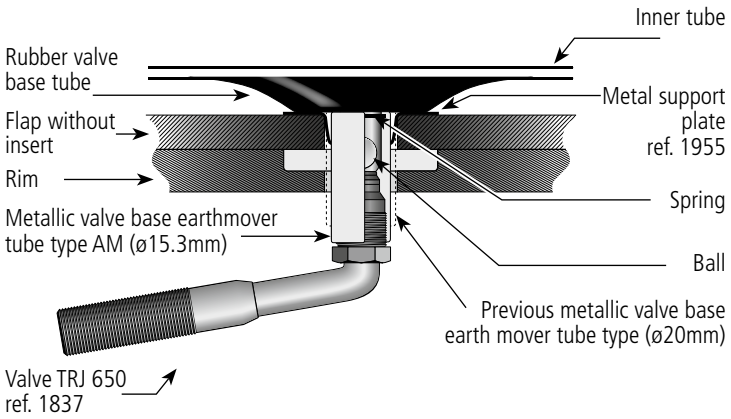


Michelin® code	TRA code	ETRTO Designation	A		B		α°
			mm	inches	mm	inches	
R 1837	TRJ 650	V5-04-1	27	1.08	79	3.12	100°

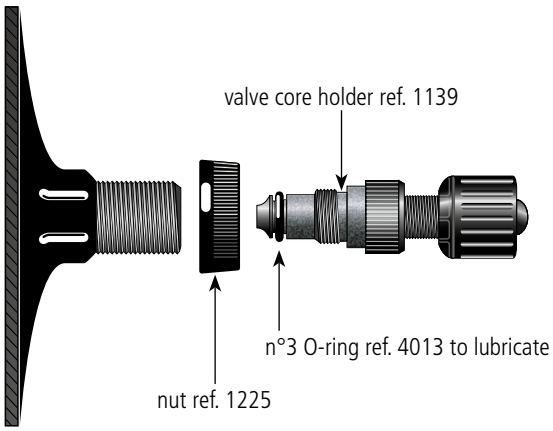
Valves used on a SP2 American valve base
[20.5 mm (0.8 inch) diameter hole] and also on AM tubes.

VALVE BASE

ACTUAL VALVE
(mounting with tube)



AIR AND WATER AGRICULTURAL TYPE VALVE BASE
Allows tire to be water filled.
Valve with core holder 1139 and plastic nut ref. 1225



ref. **1224** code TR 218A

1/ see page ..... **19 & 104** ..... *explanation about TKPH (TMPH)*

2/ see page ..... **12** ..... *explanation of the different characteristics*

3/ ..... *explanation about rim size marking*

example: ..... *44.00/5.0 [6.0]*
the 1st value indicates rim width in inch)
(in this example: 44 inches)
the 2nd value indicates the height of the rim flange
(in this example: 5 inches)
the 3rd value indicates the width of the rim flange
(in this example: 6 inches)

4/ see page ..... **83** ..... *information and explanation about components used with Michelin earthmover tires*

5/ ..... *increase pressure by 0,5 bar on the loader front axle*

6/ see page ..... **24** ..... *and in the EARTHMOVER TIRE USE AND MAINTENANCE GUIDE BY MICHELIN explanation about TG rim*

7/ ..... *tire under development or currently subject to an ETRTO experimental standard*

8/ ..... *manufacture is discontinued (commercial description highlighted to attract attention)*

9/ ..... *special order only (commercial description highlighted to attract attention)*
Consult your local Michelin representative

10/ see pages . **12,24, to25 & 98 to 108** .....
explanation of the various tables of load according to the use and to the tire position and how to determine pressures
It is imperative to follow the explanation given
Not following these instructions may impact tire performance

11/ see page ..... **17** ..... *standardized usage codes*

12/ ..... *never exceed 6 bar*

13/ ..... *The removable flange must be continous along its circumference, with no opening*

** The flange must be continuous in full-circumference, not open or split*
*** The «H» is on the tire side, the G of the norm is on the external part and until the rim bole*

13B/ ..... *Diameter: Left columm, fixed side; right columm, removable side.*

15/ ..... *Use seal if necessary, see on rim pages 84 and further*

16/ ..... *For Japan market only*

2/ see page ..... **12 & 114** ..... *explanation of the different characteristics*

3/ see pages..... **134 & 135** ..... *rim characteristics*

4/ see pages..... **132 & 133** ..... *Tubeless Bead Seal characteristics*

5/ see pages..... **136 & 137** ..... *Tube, flap and O-ring characteristics*

7/ ..... *tire under development*

8/ ..... *to be discontinued*

CAUTION

9/ ..... *the 24-10.00 VA rim is not allowed with the 14.00 R 24 XZM 193A5 tire*

10/ ..... *all machines fitted with XZM tires to 12.00 R 24 must not exceed 15 km in one hour, and peak speed is limited to 35 km/h*

11/ ..... *all machines fitted with 20" XZM tires must not exceed 15 km in one hour, and peak speed is limited to: 35 km/h peak speed for Forklift truck 40 km/h peak speed for Terminal tractors and RORO tractors*

12/ ..... *terminal tractors fitted with X TERMINAL-T tires must not exceed 20 km in one hour in cyclic use, and peak speed is limited to 40 km/h*

13/ ..... *The removable flange must be continous along its circumference, with no opening*

13B/ ..... *Diameter: Left column, fixed side; right column, removable side.*

14/ ..... *all machines fitted with XZM2 and XZM2+ tires must not exceed 10 km in one hour in cyclic use, and peak speed is limited to 25 km/h*

15/ ..... *all machines fitted with XZM tires > 12.00 R 24 must not exceed 15 km in one hour and are limited to 25 km/h peak speed*

16/ ..... *straddle carriers fitted with X-STRADDLE tires must not exceed 12 km in one hour, and peak speed is limited to 30 km/h*

17/ ..... *straddle carriers fitted with X-STRADDLE2 tires must not exceed 15 km in one hour, and peak speed is limited to 35 km/h*

18/ ..... *all machines fitted with X-STACKER tires must not exceed 5 km in one hour in cyclic use and are limited to 25 km/h peak speed*

19/ ..... *450/95 R 25 X-STRADDLE 2 tire replace the 16.00 R 25 X-STRADDLE 2 tire*

20/ ..... *all machines fitted with X-STACKER 2 tires must not exceed 7 km in one hour in cyclic use and are limited to 25 km/h peak speed*

(a) ..... *with reinforcement plate*

All Michelin® industrial tubeless tires marked "MAY BE USED WITH A TUBE" can be fitted with tube and flap.

All values shown in these tables are maxima, and should not be exceeded.

APPROXIMATE LOOSE MATERIAL DENSITIES
UNITS OF MEASURE AND CONVERSION TABLES

UNITS OF MEASURE AND CONVERSION TABLES

MEASUREMENT	ABBREVIATION	CONVERSION FACTOR	ABBREVIATION	MEASUREMENT	CONVERSION FACTOR	ABBREVIATION
TORQUE						
pound-foot	lb ft	**x 0.1383**	= m kg	kilogamme metre	**x 7.233**	= lb ft
kilogamme metre	m kg	**x 9.81**	= m N	Newton metre	**x 0.102**	= m kg
LENGTH						
inch	in	**x 0.0254**	= m	metre	**x 39.37**	= in
foot	ft	**x 0.3048**	= m	metre	**x 3.281**	= ft
yard	yd	**x 0.9144**	= m	metre	**x 1.0936**	= yd
mile	ml	**x 1.6093**	= km	kilometre	**x 0.6214**	= ml
LOAD						
pound	lb	**x 0.4536**	= kg	kilogramme	**x 2.205**	= lb
long ton (G.B.) 2240 lb	lg ton	**x 1.016**	= t	metric tonne	**x 0.984**	= lg ton
short ton (U.S.) 2000 lb	sh ton	**x 0.907**	= t	metric tonne	**x 1.103**	= sh ton
DENSITY						
pound per cubic foot	lb/cu ft	**x 16.0184**	= kg/m^3	kilogramme/m^3	**x 0.625**	= lb/cu ft
pound per cubic yard	lb/cu yd	**x 0.5933**	= kg/m^3	kilogramme/m^3	**x 1.686**	= lb/cu yd
PRESSURE						
kilo-pascal	kPa	**x 0.01**	= bar	bar	**x 100**	= kPa
atmosphere (at sea level)	atm	**x 0.986**	= bar	bar	**x 1.014**	= atm
pound per square inch	P.S.I.	**x 0.0703**	= kg/cm^2	kilogramme/cm^2	**x 14.22**	= P.S.I.
pound per square inch	P.S.I.	**x 0.069**	= bar	bar	**x 14.513**	= P.S.I.
pound per square inch	P.S.I.	**x 0.068**	= atm	atmosphere	**x 14.7**	= P.S.I.
pound per square inch	P.S.I.	**x 6.895**	= kPa	kilo Pascal	**x 0.145**	= P.S.I.
POWER						
french horse power	C.V.	**x 0.7355**	= KW	kilowatt	**x 1.36**	= C.V.
horse power	H.P.	**x 0.7457**	= KW	kilowatt	**x 1.34**	= H.P.
french horse power	C.V.	**x 0.98**	= H.P.	horse power	**x 1.014**	= C.V.
VOLUME/CAPACITY						
cubic foot	cu ft	**x 0.02832**	= m^3	cubic metre	**x 35.31**	= cu ft
cubic yard	cu yd	**x 0.7646**	= m^3	cubic metre	**x 1.308**	= cu yd
gallon (U.S.)	gal	**x 3.7854**	= l	liter	**x 0.2642**	= gal
TEMPERATURE						
degree fahrenheit	°F	**- 32 et x (5/9)**	= °C	degree Celsius	**x (9/5) et + 32**	= °F

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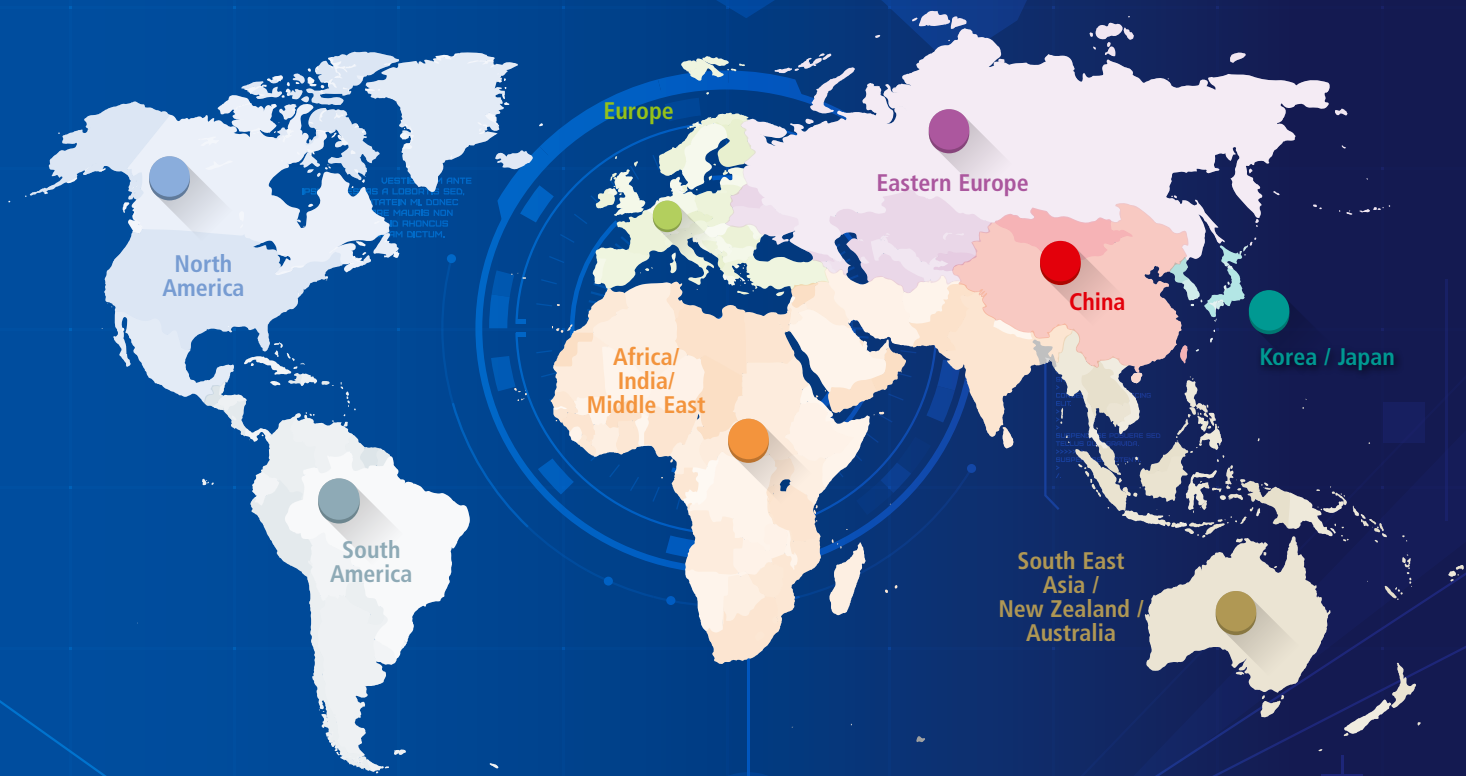

For more information about our products, maintenance and safety advice, or to find your nearest dealer, visit

www.michelinearthmover.com

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