PROMETEON



SERIE
02
UNLOCK A NEW ERA

# PRODUCT RANGE

# PROMETEON: TYRE SOLUTIONS FOR PROFESSIONALS

**Prometeon Tyre Group** is the only company entirely focused on the **commercial tyre sector**, including the transportation of goods and people, agriculture, and off-road.
Prometeon offers a **multi-level**, **multi-brand portfolio**, which includes its own brands: PROMETEON, ANTEO, ERACLE, and TEGRYS, as well as the brands PIRELLI and FORMULA, used under license.

Prometeon was officially established in 2017 as a spin-off from the commercial tyres division of Pirelli Tyre company and can count on **over 100 years of experience** in the design, development, and manufacturing of tyres. The Group is deeply **committed to innovation through the introduction of new technologies and a path towards constant, sustainable growth**.

The commitment to excellence is the foundation of Prometeon's offering, resulting in continuous research and an ongoing effort to identify and meet the real needs of the market.

The flagship product of the company's offering is the **Serie02**, the first full range completely designed in Prometeon R&D Centres. Launched in 2022 with PIRELLI brand and Prometeon Engineered marking, now only **PROMETEON branded**. It embodies the company's commitment to further strengthening its identity as an independent player focused exclusively on the commercial tyre sector. It is specifically designed to maximize **performance**, **safety**, **quality**, and **sustainability**.

# KEY FIGURES (2024 DATA)

**4 Plants**
(2 in Brazil, 1 in Egypt, 1 in Turkey)

**4 R&D and Development centers**
(Italy, Brazil, Turkey, Egypt)

About
**7,700**
employees around the world

# INDEX

# ABBREVIATIONS AND SYMBOLS EXPLANATION

This list contains the explanation of the abbreviations and symbols you can find in the products' descriptive pages and technical tables.

M+S
MUD AND SNOW

FRT
FREE ROLLING TYRE

POR
PROFESSIONAL OFF ROAD TYRES, OUT OF THE SCOPE OF EU REGULATION 2020/740

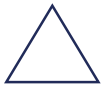
ML
MINE LOGGING

MPT
MULTI PURPOSE TYRE

RFID
RADIO FREQUENCY IDENTIFICATION DEVICE


RECOMMENDED


ALLOWED


ALSO FOR USE ON FRONT AXLES (ALL WHEEL DRIVE VEHICLES)

**EU Tyre Label Regulation 2020/740 – Label parameters**


FUEL EFFICIENCY CLASS


WET GRIP CLASS

EXTERNAL ROLLING NOISE CLASS


SNOW GRIP / 3PMSF MARKING

## ATTENTION!

The information contained in this manual relates to tyres designed exclusively for goods vehicles and/or passenger vehicles. Any other applications are not permitted.

INCORRECT OR IMPROPERLY USED TYRES CAN BE DANGEROUS.
TYRES HAVE TO BE USED IN THE CORRECT SEGMENT OF APPLICATION, AS SPECIFIED FOR EACH PRODUCT IN THE TECHNICAL CATALOGUE.

The manual has been produced in an easily understood form for information purposes and is not intended to be comprehensive in nature. The data given will be updated periodically.

Since the manual is intended for international use the information may not reflect national legislative requirements which must be taken into consideration.

With regard to care and maintenance it is necessary to follow the tyre manufacturer's instructions. In particular, please remember that tyres age even if they have not been used or have only been used occasionally. Cracking of the tread and sidewall rubber, sometimes accompanied by carcass deformation, is evidence of ageing.

Old and aged tyres must be checked by a tyre specialist to ascertain their suitability for further use.

If in doubt concerning the interpretation of information please contact your local Prometeon representative.

# RANGE OVERVIEW

**FUEL EFFICIENCY (HIGHWAY)**

**GOODS - PEOPLE**

Product designed to provide low fuel consumption and total cost of ownership optimization. The best balance between mileage and fuel efficiency is found in long distance and highway routes with low abrasive surface.

**VERSATILITY (REGIONAL)**

**GOODS - PEOPLE**

Product designed to guarantee high mileage in any condition of usage and good resistance to highly abrasive surfaces. High level of safety on all roads and in all seasons.

**CONSTRUCTION**

**OPERATIONS**

For mixed use on roads, on construction sites and under aggressive tread-wear condition.

**URBAN**

**PEOPLE**

For urban passenger vehicles in stop & go traffic conditions, low average speed, continuous changes in road surfaces (asphalt, concrete, cobblestones).

**SPECIAL USE**

**OPERATIONS**

Products designed for use in demanding off-the-road situations on various types of surface (asphalt, track, muddy or grassy terrain, sand). Typical use off-the-road competition vehicles and civil protection department.

ON ROAD — OFF ROAD

WINTER — SUMMER

**H02 PROFUEL**

**G02 ECO**

**U02 URBAN-E MULTIAXLE**

**S02 PISTA**

**R02 PROFUEL 22.5"**

**G02 ON-OFF**

**R02 PROFUEL 17.5" & 19.5"**

**R02 PROWAY**

**C02 COACH**

**TRAILER**

**H02 PRO TRAILER**

**G02 PRO MULTIAXLE**

**R02 PRO TRAILER**

# RANGE OVERVIEW

| | | STEER / MULTIAXLE | DRIVE | TRAILER |
|---|---|---|---|---|
| ON | FUEL EFFICIENCY  |  H02 PROFUEL STEER |  H02 PROFUEL DRIVE |  H02 PRO TRAILER |
| | VERSATILITY  |  R02 PROFUEL STEER 22.5″  R02 PROFUEL STEER 17.5″ & 19.5″  R02 PROWAY STEER |  R02 PROFUEL DRIVE 22.5″  R02 PROFUEL DRIVE 17.5″ & 19.5″  R02 PROWAY DRIVE |  R02 PRO TRAILER 22.5″  R02 PRO TRAILER 17.5″ & 19.5″ |
| | COACH  |  C02 COACH MULTIAXLE |  C02 COACH DRIVE | |
| | URBAN  |  U02 URBAN-e MULTIAXLE |  U02 URBAN-e MULTIAXLE | |
| ON-OFF | CONSTRUCTION  |  G02 ECO MULTIAXLE  G02 ON-OFF MULTIAXLE  G02 PRO MULTIAXLE |  G02 ECO DRIVE  G02 ON-OFF DRIVE | |
| | SPECIAL USE  |  S02 PISTA |  S02 PISTA | |

# UNIQUE INNOVATIVE TECHNOLOGICAL PLATFORM

## PROGEA

Highly innovative PRO Grip Environment Approach compound formulated to improve the **tyre efficiency** and **safe performance** while **reducing environmental impact.**

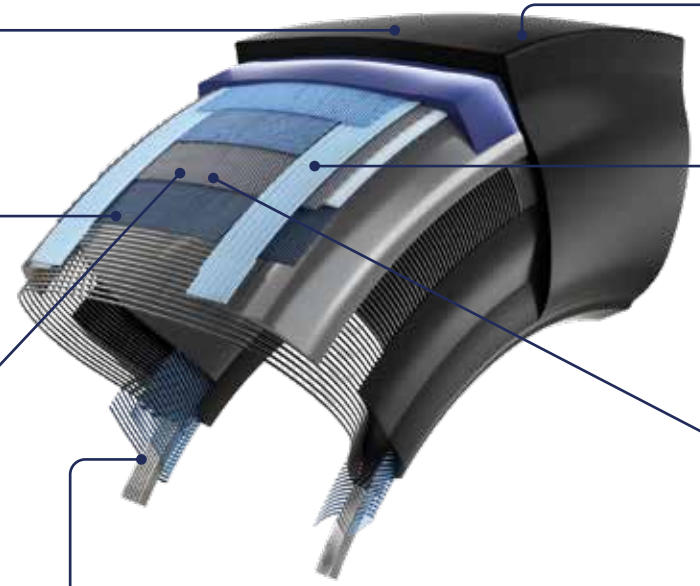
## SHTB

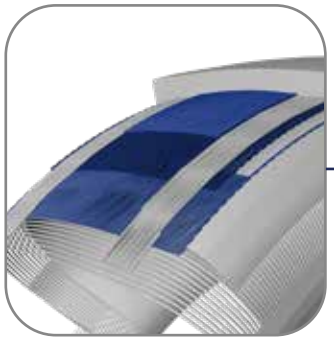
The Super High Tensile Belt cord allows high flexibility and prevention of corrosion propagation for:

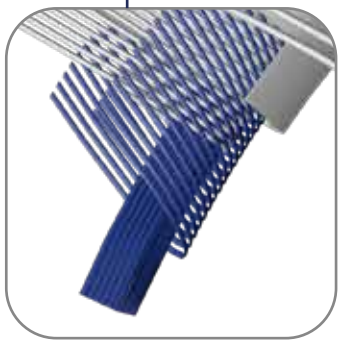
- superior **integrity**
- high **resistance** to aging

## LEDB

The innovative Low Energy Dissipation Belts configuration ensures tyre weight optimization and lower energy dissipation enabling **low rolling resistance** generation.







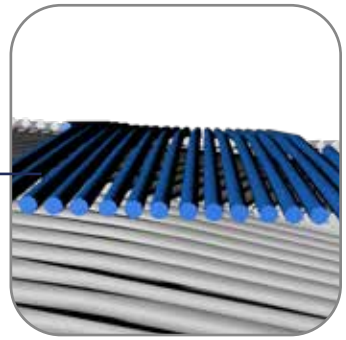
## COBe

The reinforced Cross Over Bead, combined with the new geometry of the rectangular wire steel, ensures:

- great **flexibility**
- bead seating with superior **longevity** throughout the entire casing life cycle
- excellent resistance to **high load capacities**

## SSRP

The innovative Step Shoulder Rib Profile allows the correct distribution of footprint contact pressure, promoting **even wear** and **mileage**.



## SWiTe

The Spiral Wire Technology materializes in the bigger steel cable diameter enhancing optimization of the total cost of ownership, thanks to:

- high **durability**
- **long tyre life**

## HR4B

The new High Resistance 4 Belts structure promotes casing flexibility and structural resistance for:

- **extended tyre life**
- **even wear**
- **handling** on uneven road surfaces

The technological package may vary by product.

# SERIE 02 PRODUCT NAMING

Below is an explanation of how each tyre in the Serie 02 range is named.

The naming system is designed to provide essential information, ensuring the correct tyre is fitted to the appropriate vehicle. It has been carefully structured by considering not only the series itself but also the application, usage type, and mounting axle.

| H | 02 | PROFUEL | STEER |
|---|---|---|---|

## APPLICATION

**H**: FUEL EFFICIENCY = The best balance between mileage and fuel efficiency in long distance and highway routes.

**R**: VERSATILITY = High mileage in any condition of usage and resistance to highly abrasive surfaces.

**C**: COACH = coach vehicle use

**U**: URBAN = For urban passenger vehicles in stop & go traffic conditions

**G**: CONSTRUCTION = mixed use, on construction sites and under aggressive tread-wear condition

**S**: SPECIAL USE = for use in demanding off-the-road situations on various types of surface

## SERIES

**SERIE 02**

Regardless of the segment, region, or application, every Prometeon branded tyres feature "02" in their name. This universal prefix serves as an identifier for the product range.

## TYPE OF SPECIFIC USE/ MAIN BENEFIT

**PROFUEL:** focus on fuel efficiency on on-road applications

**ECO:** focus on fuel efficiency on on-off applications, with primary operation on roads

**PROWAY:** focus on high mileage on medium-distance routes

**COACH:** designed for coach

**URBAN-e:** designed for city bus, with a focus on electric models

**ON-OFF:** crafted for use both on road and off road

**PISTA:** engineered for severe service

## CONFIGURATION

**STEER**: for fitment on steer axle

**MULTIAXLE**: tyre developed for fitment on steer axle and trailer axle on trucks and on steer and drive axle on people transport vehicles

**DRIVE**: specific for fitment of drive axle

**TRAILER**: specific for sole fitment of trailer axle

H02 PROFUEL™ STEER

H02 PROFUEL™ DRIVE

H02 PRO TRAILER

# FUEL EFFICIENCY

# H02 PROFUEL™ STEER

FUEL EFFICIENCY

PROGEA | SHTB | LEDB | SWITe | SSRP | COBe

New pattern geometry featuring innovative high density and full depth wave sipes provides great **wet braking** and **snow grip performance** for the **maximum safety**.

HGE – High Grip Evolution – technology (Prometeon patent). The innovative grooves design enhances **grip performance** throughout the full tyre life, and **low noise generation** for better driving comfort.


Median grooves designed for ideal tread stiffness, promote **excellent mileage** performance.
Large shoulder grooves enhance handling and effective water **drainage**.

Stone ejectors in central groove prevent stones trapping, delivering **tyre durability** and **retreadability**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 385/55 R 22.5 | 162 K (158 L) | M+S HL | A | B | A 71dB | √ |
| 385/65 R 22.5 | 164 K (158 L) | M+S HL | A | B | A 71dB | √ |
| 315/70 R 22.5 | 158/150 L (156/150M) | M+S | A | B | A 67dB | √ |
| 315/80 R 22.5 | 158/150 L (156/150M) | M+S | A | B | A 71dB | √ |



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# H02 PROFUEL™ DRIVE

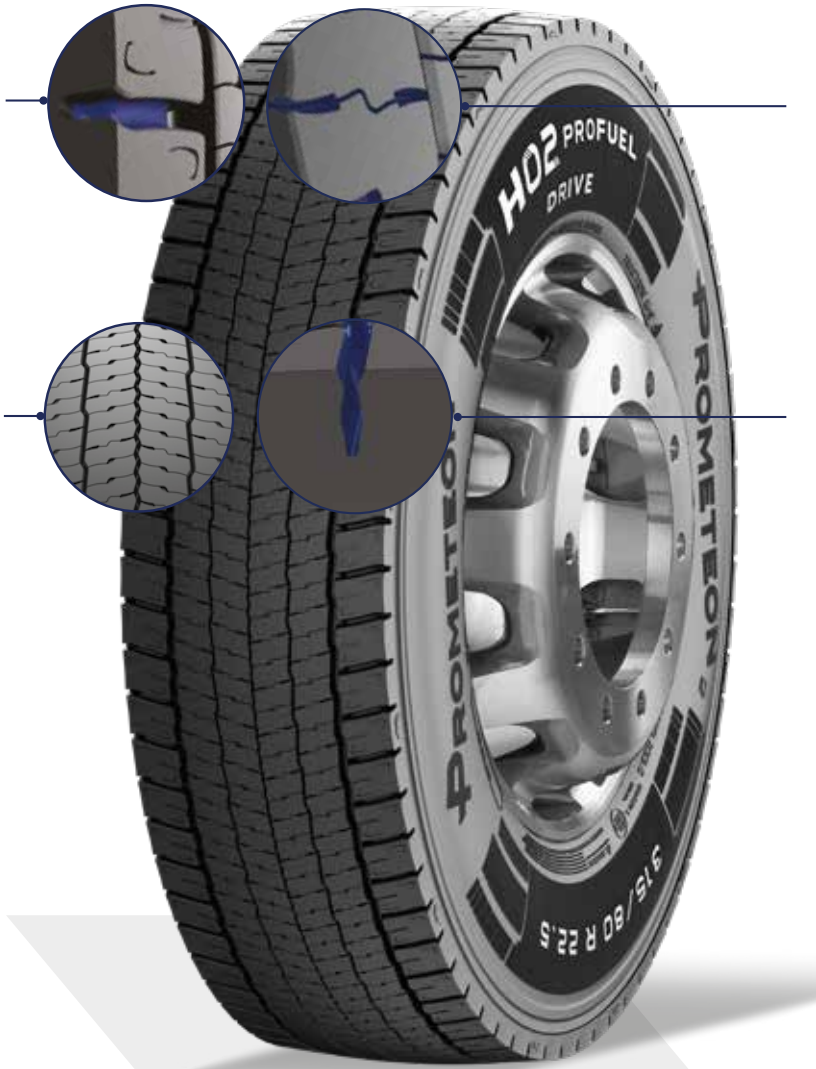
PROGEA | SHTB | LEDB | SWITe | SSRP | COBe

FUEL EFFICIENCY

M+S

The new shoulder lugs profile delivers high **traction** performance and effective **water drainage**.

The compact tread block design promotes high pattern stiffness, **low rolling resistance** and **even wear**, with no compromise on **mileage** and **comfort**.




The innovative high density and full depth sipes design enhances great **traction, wet braking** and **snow grip performance**.

HGE – High Grip Evolution – technology (Prometeon patent). The innovative grooves design enhances **grip performance** throughout the tyre life, **low noise generation** for great driving comfort.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 315/70 R 22.5 | 158/150 L (156/150 M) | M+S | A | B | A 72dB | V |
| 315/80 R 22.5 | 158/150 L (156/150 M) | M+S | A | B | A 73dB | V |



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# H02 PRO TRAILER

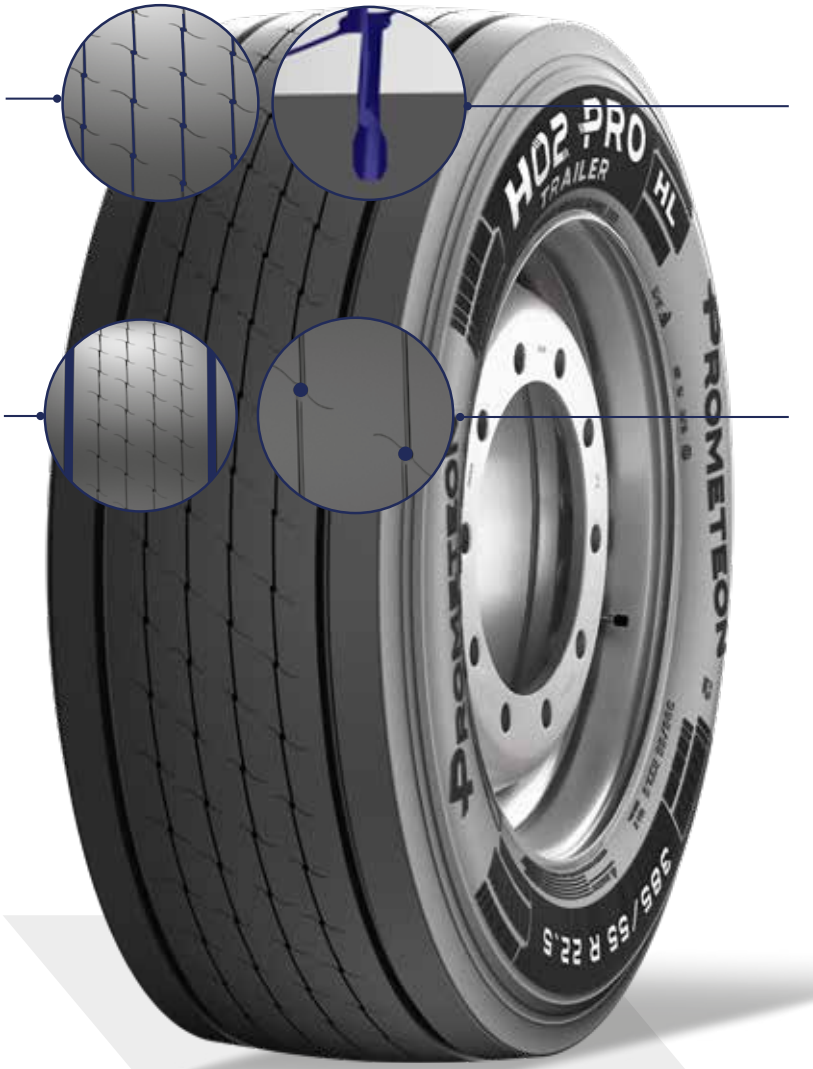
FUEL EFFICIENCY

M+S FRT

SWiTe | HR4B | SHTB | COBe | DLTC

4 narrow central grooves to promote high pattern stiffness and **low rolling resistance**, with no compromise on mileage.

2 large shoulder grooves to deliver great **handling** behavior and effective **water drainage**.




The innovative grooves design ensures superior **wet handling behavior** for the maximum safety, and low **noise rolling emission** for better external **acoustic comfort**.

Circumferential holes in the central grooves enhance great **stability** and **braking** in all weather conditions.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 445/45 R 19.5 | 164 J | M+S FRT HL | B | B | A 69dB | V |
| 435/50 R 19.5 | 164 J | M+S FRT HL | A | B | A 69dB | V |
| 385/55 R 22.5 | 164 K | M+S FRT HL | A | A | A 69dB | V |
| 385/65 R 22.5 | 164 K (158 L) | M+S FRT HL | A | B | A 71dB | V |



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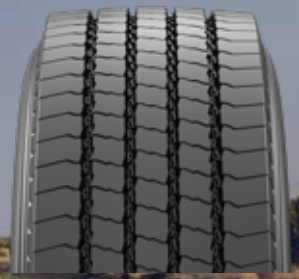
R02 PROFUEL™
STEER 22.5″

R02 PROFUEL™
DRIVE 22.5″



R02 PROFUEL™ STEER
17.5″ & 19.5″

R02 PROFUEL™ DRIVE
17.5″ & 19.5″

R02 PROWAY™
STEER

R02 PROWAY™
DRIVE

R02 PRO TRAILER
22.5″

R02 PRO TRAILER
17.5″ & 19.5″

# VERSATILITY

# R02 PROFUEL™ STEER 22.5"

VERSATILITY

PROGEA | LEDB | SHTB | SWITe | HR4B | COBe

2 narrow grooves to deliver excellent **even wear** and **mileage** performance.

3 large grooves to enhance **handling** in **severe wet conditions.**

New functional sipes to ensure superior **grip performance** in different weather conditions for the maximum **safety**.


Progressive entry of the sipes under the footprint to provide **driving comfort**.

HGE - **High Grip Evolution** - technology (Prometeon patent). The innovative grooves design enhances **grip performance** throughout the full tyre life, and **low noise generation**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 355/50 R 22.5 | 156 L | M+S | B | C | A 69 dB | √ |
| 375/50 R 22.5 | 158 L | M+S | B | B | A 70 dB | √ |
| 385/55 R 22.5 | 162 K (158 L) | M+S | B | B | A 69 dB | √ |
| 385/65 R 22.5 | 164 K (158 L) | M+S HL | B | B | A 70 dB | √ |
| 305/70 R 22.5 | 154/150 L | M+S | B | B | A 69 dB | √ |
| 315/70 R 22.5 | 158/150 L (156/150 M) | M+S | B | B | A 69 dB | √ |
| 315/80 R 22.5 | 158/150 L (156/150 M) | M+S | B | C | A 69 dB | √ |



PROMETEON

# R02 PROFUEL™ DRIVE 22.5"

VERSATILITY

PROGEA | SHTB | LEDB | COBe | SSRP

2 large grooves to enhance **handling** in **severe wet conditions**.

3 narrow grooves to deliver excellent **rolling resistance** and **mileage** performances.

Stone ejectors at the bottom of the 2 large grooves to **prevent stones trapping** thus providing high **retreadability**.


Deep external lateral groove to ensure great **traction**.

Functional sipes to enhance great **road holding** and superior **snow grip performance** for the maximum **safety**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 315/70 R 22.5 | 158/150 L (156/150 M) | M+S | B | B | A 72 dB | V |
| 315/80 R 22.5 | 158/150 L (156/150 M) | M+S | B | B | B 74 dB | V |



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# R02 PROFUEL™ STEER 17.5" & 19.5"

PROGEA | SHTB | LEDB | COBe | SSRP

VERSATILITY

M+S

R 17.5

R 19.5

The innovative tread pattern with 4 zig-zag shape grooves and robust longitudinal ribs enhances **reduced braking distance**, improved **road holding** and **driving safety**.

Stone ejectors at the bottom of all grooves ensure **stones trapping prevention** for great **durability** and **retreadability**.


The new shoulder tread contour grants uniform footprint contact pressure delivering **even wear** and **mileage** performance, as well as **low noise emission** for maximum **comfort**.

Functional sipes offer great **traction** and superior **snow grip performance**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 245/70 R 17.5 | 136/134 M | M+S | C | B | A 71dB | √ |
| 265/70 R 17.5 | 140/138 M | M+S | C | B | A 71dB | √ |
| 205/75 R 17.5 | 124/122 M | M+S | C | B | A 68dB | √ |
| 215/75 R 17.5 | 128/126 M | M+S | C | B | A 69dB | √ |
| 225/75 R 17.5 | 129/127 M | M+S | C | B | A 69dB | √ |
| 235/75 R 17.5 | 132/130 M | M+S | C | B | A 70dB | √ |
| 245/70 R 19.5 | 136/134 M | M+S | C | B | A 70dB | √ |
| 265/70 R 19.5 | 140/138 M | M+S | C | B | A 70dB | √ |
| 285/70 R 19.5 | 146/144 L | M+S | B | B | A 72dB | √ |
| 305/70 R 19.5 | 148/145 M | M+S | C | C | A 72dB | √ |

# R02 PROFUEL™ DRIVE 17.5" & 19.5"

PROGEA | SHTB | LEDB | COBe | SSRP

VERSATILITY

M+S

The new tread pattern geometry featuring innovative tread block pitch sequence enhances **mileage** and **even wear** for the **maximum safety**.

Innovative bumper technology reduces lateral movement and vibrations enhancing **regular wear**, **acoustic comfort** and **stone trapping prevention**.


The innovative compound grants **low rolling resistance**, high **grip** and **durability**.

Optimized sipes and transversal grooves design ensure superior **traction** and **snow grip** performance.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 245/70 R 17.5 | 136/134 M | M+S | C | C | A 73dB | √ |
| 265/70 R 17.5 | 140/138 M | M+S | C | C | A 71dB | √ |
| 205/75 R 17.5 | 124/122 M | M+S | C | C | A 70dB | √ |
| 215/75 R 17.5 | 126/124 M | M+S | C | C | A 70dB | √ |
| 225/75 R 17.5 | 129/127 M | M+S | C | C | A 71dB | √ |
| 235/75 R 17.5 | 132/130 M | M+S | C | C | A 72dB | √ |
| 245/70 R 19.5 | 136/134 M | M+S | C | B | A 73dB | √ |
| 265/70 R 19.5 | 140/138 M | M+S | C | B | A 72dB | √ |
| 285/70 R 19.5 | 146/144 L | M+S | C | C | A 72dB | √ |
| 305/70 R 19.5 | 148/145 M | M+S | C | C | B 74dB | √ |

# R02 PROWAY™ STEER

PROGEA | SHTB | SWITe | HR4B | COBe

VERSATILITY

M+S

Innovative tread pattern design characterized by deep and open grooves to deliver excellent **mileage** performance and maximum **safety in wet conditions**.

New sipes design characterized by high density to guarantee superior **constant grip** on all road surfaces; and high deepeness to deliver great **safety** in all weather conditions.


Full rounded grooves to prevent stone trapping thus providing high **integrity** and **cracking resistance**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 315/60 R 22.5* | 154/148 L | M+S | B | B | A 70 dB | V |
| 315/70 R 22.5 | 158/150 L (156/150 M) | M+S | C | A | B 73 dB | V |
| 295/80 R 22.5 | 154/149 M | M+S | C | B | A 71 dB | V |
| 315/80 R 22.5 | 158/150 L (156/150 M) | M+S | C | A | B 72 dB | V |

(*) = R02 PROFUEL STEER TREAD PATTERN: FOR TYRE PERFORMANCE, PLEASE REFER TO PAGE 15



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# R02 PROWAY™ DRIVE

VERSATILITY

PROGEA | SHTB | SWITe | HR4B | COBe

Deep longitudinal grooves to enhance high **mileage**.

Deep and open lateral grooves to ensure superior **traction** performance and maximum **safety** in wet conditions.


Deep transversal grooves to **prevent stones trapping** thus providing maximum **safety**.

New sipes design characterized by high density to enhance **grip** on all road surfaces and in all weather conditions.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 295/60 R 22.5* | 150/147 L | M+S | C | B | A 73dB | V |
| 315/60 R 22.5* | 152/148 L | M+S | C | B | A 72 dB | V |
| 315/70 R 22.5 | 158/150 L (156/150 M) | M+S | D | A | B 76 dB | V |
| 295/80 R 22.5 | 152/148 M | M+S | D | B | B 76dB | V |
| 315/80 R 22.5 | 158/150L (156/150M) | M+S | D | A | B 76dB | V |

(*) = R02 PROFUEL DRIVE TREAD PATTERN: FOR TYRE PERFORMANCE, PLEASE REFER TO PAGE 16

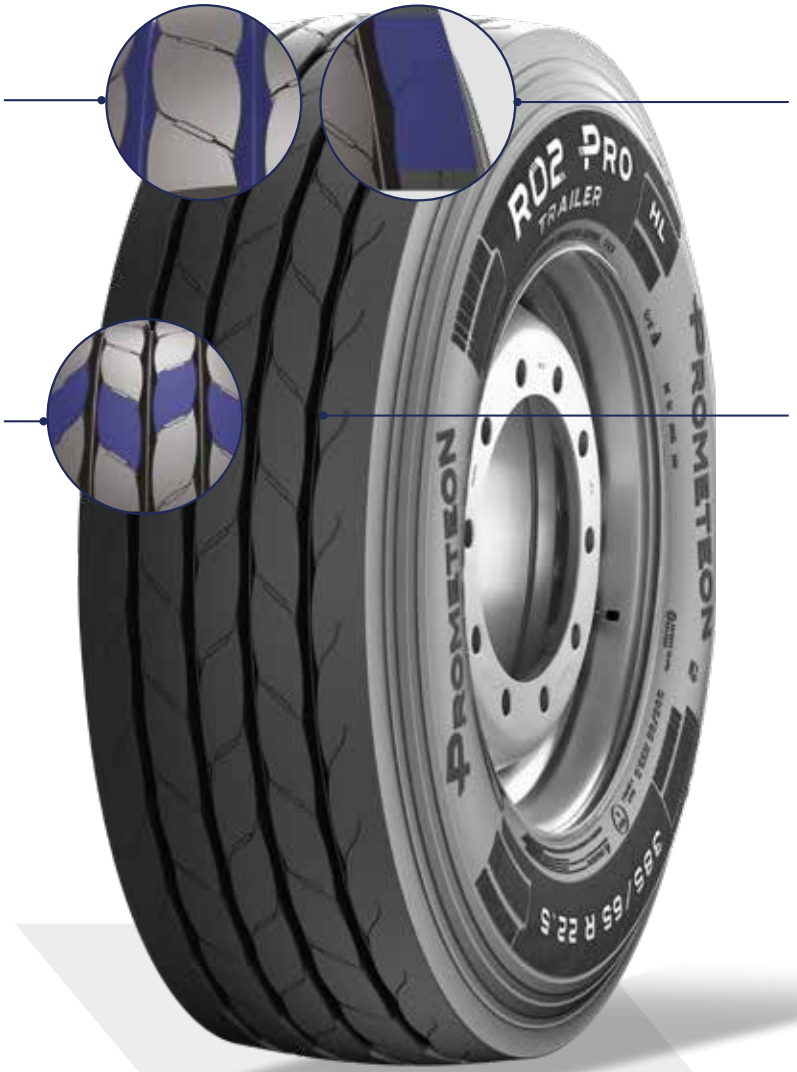
# R02 PRO TRAILER 22.5"

VERSATILITY

PROGEA | SHTB | COBe | HR4B | SWiTe

Wide tread and deep optimized grooves enhance **regular wear** and **mileage**.

New pattern geometry grants high land to sea ratio and uniform footprint contact area for **great wet braking** and **effective water drainage**.




The robust shoulder promotes **tear resistance** to chipping and chunking and **resistance to lateral sliding**.

The completely new tread design and the innovative compound ensure **low rolling resistance** and **durability**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 385/55 R 22.5 | 164 K | M+S FRT HL | B | A | A 70 dB | V |
| 385/65 R 22.5 | 164 K (158 L) | M+S FRT HL | B | B | A 70 dB | V |



PROMETEON

# R02 PRO TRAILER 17.5" & 19.5"

PROGEA | SHTB | COBe | SWiTe

VERSATILITY


The innovative tread compound grants **mileage**, **integrity** and **long tyre life**.

The optimized tread pattern design with wide tread and deep groves enhances **water drainage** and **reduced braking distance** in wet conditions.


The robust shoulder promotes excellent **regular wear**, **tear resistance** to chipping and chunking and **resistance to lateral sliding**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 205/65 R 17.5* | 132/130 J (133/133 G) | M+S FRT | | | | V |
| 245/70 R 17.5 | 143/141 L (146/146 K) | M+S FRT | C | B | A 71db | V |
| 215/75 R 17.5* | 136/134 K | M+S FRT | | | | V |
| 235/75 R 17.5 | 143/141 K (145/145 J) | M+S FRT | C | B | A 71db | V |
| 245/70 R 19.5* | 142/140 K | M+S FRT | | | | V |
| 265/70 R 19.5* | 143/141 K | M+S FRT | | | | V |
| 285/70 R 19.5* | 150/148 K | M+S FRT | | | | V |

(*) UNDER PREPARATION



PROMETEON


C02 COACH
MULTIAXLE
C02 COACH
DRIVE
COACH

# C02 COACH MULTIAXLE

COACH

SWiTe | HR4B | SHTB | COBe | DLTC

The innovative wave sipes design and 3PMSF markings enhance superior **snow grip** and **handling** in all weather conditions.

The optimized tread pattern design grants **low noise generation**.


Ejectors at the bottom of the lateral grooves offer **stone trapping prevention, durability and retreadability**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 295/80 R 22.5 | 156/150 M | M+S | B | B | A 68dB | V |
| 315/80 R 22.5 | 158/150 L (156/150 M) | M+S HL | B | B | A 69dB | V |



PROMETEON

# C02 COACH DRIVE

COACH

SWiTe | HR4B | SHTB | COBe | DLTC

Innovative tread geometry featuring deep and high density siping enhances **traction** throughout tyre life and **reduced braking distances** for the **maximum safety** performance in all weather conditions.

The advanced groove shape design ensures maintenance constant **wet and snow grip** during all tyre life.


Optimized lateral grooves promote high **handling** and **comfort**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 295/80 R 22.5 | 156/150 M | M+S HL | B | B | A 69dB | V |



PROMETEON

**U02 URBAN-e**
**MULTIAXLE**

# URBAN

# U02 URBAN-e MULTIAXLE

URBAN

M+S

PROGEA SHTB SWiTe COBe

The new continuous sidewall profile featuring 5,5 mm Indicator of Sidewall Wear (ISW) allows a clear sidewall wear indication.

Optimized sidewall geometry, structure design and stone ejectors in grooves bottom promotes maximum **impact resistance** and **durability**.


New Median Groove Shape design (Prometeon Patent) and innovative high density sipes designed to resist to instant torque delivery transmitted by electric engines promote enhanced **grip**, **traction** and **wet handling** in all weather conditions.

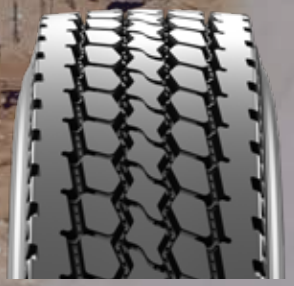
| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 275/70 R 22.5 | 152/148 J | M+S HL | B | B | A 69dB | V |
| 315/60 R 22.5 | 156/150 J | M+S HL | B | B | A 72dB | V |



PROMETEON

G02 ECO
MULTIAXLE

G02 ECO
DRIVE



G02 ON-OFF
MULTIAXLE

G02 ON-OFF
DRIVE

G02 PRO
MULTIAXLE

# CONSTRUCTION

# G02 ECO MULTIAXLE

CONSTRUCTION

PROGEA | SHTB | COBe | LEDB | SWITe

Reinforced and connected tread blocks grant maximum **tearing resistance**.

The wide and deep groves design enhance excellent **traction** and high **mileage**.


Built-in stone ejectors in the lateral grooves promote **stone trapping prevention** for maximum **carcass integrity**.

Closed shoulders ensure great **handling** and **tyre durability**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 13 R 22.5 | 158/156K | M+S | C | B | B 72dB | √ |
| 295/80 R 22.5 | 154/149 L | M+S | C | B | A 71bB | √ |
| 315/80 R 22.5 | 158/156K | M+S | C | A | B 72dB | √ |



PROMETEON

# G02 ECO DRIVE

PROGEA | SHTB | COBe | LEDB | SWITe

CONSTRUCTION

M+S

The innovative Bumper Technology promotes the reduction of tread movement and vibrations enhancing **regular wear**, **grip** and **safety**.

Special shape sipes improve **traction** performance and enhances **low sound emission**.

Additional big stone ejectors enhance the **prevention of stone trapping** and damage of the grooves, and **long tyre life**.


Built-in stone ejectors in all grooves grant **stone trapping prevention** for maximum **carcass integrity**.

The waved groove surface (Prometeon patent) offers **easy self-cleaning** and maximum **traction** on all surface conditions.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 13 R 22.5 | 158/156K | M+S | C | B | B 75dB | √ |
| 295/80 R 22.5 | 152/149 L | M+S | D | B | B 74dB | √ |
| 315/80 R 22.5 | 158/156K | M+S | C | B | B 75dB | √ |



PROMETEON

# G02 ON-OFF MULTIAXLE

CONSTRUCTION

M+S

PROGEA | SHTB | COBe | HR4B | SWiTe

Reinforced and connected tread blocks grant maximum **tearing resistance**.

Built-in stone ejectors in all the grooves promote **stone trapping prevention** for the maximum **carcass integrity**.


The closed shoulders ensure great **handling** and **tyre durability**.

Special shape sipes **reduce braking distance**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 13 R 22.5* | 158/156 K | M+S | | | | √ |
| 315/80 R 22.5* | 158/156 K | M+S | | | | √ |

(*) = UNDER PREPARATION



PROMETEON

# G02 ON-OFF DRIVE

PROGEA | SHTB | COBe | HR4B | SWiTe

CONSTRUCTION

M+S

Innovative Bumper Technology (Prometeon patent) promotes the reduction of tread movement and vibrations enhancing **regular wear**, **grip** and **safety**.

The new pattern geometry grants high land to sea ratio and uniform footprint contact area for **great performance in wet and dry** conditions and **high mileage**.


Built-in stone ejectors offer **stone trapping prevention** for the maximum **carcass integrity**.

Truncated cones (Prometeon Patent) enhance **easy self-cleaning**.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 13 R 22.5* | 158/156 K | M+S | | | | √ |
| 315/80 R 22.5* | 158/156 K | M+S | | | | √ |

(*) = UNDER PREPARATION



PROMETEON

# G02 PRO MULTIAXLE

CONSTRUCTION

PROGEA | SHTB | COBe | HR4B | SWiTe

Stone ejectors at the bottom of the grooves promote **stone trapping prevention** for **tyre durability** and **retreadability**.

The optimized tread pattern design with wider tread and deeper grooves provides high land to sea ratio for great **performance in wet and dry conditions** and high **mileage**.

Shallow pockets and robust shoulders enhance **even wear**.


The innovative Bumper Technology (Prometeon patent) promotes the reduction of tread movement and vibrations enhancing **regular wear**, **traction** and **safety** in any conditions.

The new reinforced casing construction increases **load capacity up to 10 tonnes** per axle.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 385/65 R 22.5 | 164 K (158 L) | M+S HL | C | B | B 72dB | √ |
| 425/65 R 22.5 | 165 K | M+S | C | B | B 73dB | √ |



PROMETEON

S02 PISTA

# SPECIAL USE

# S02 PISTA

SPECIAL USE

M+S POR

PROGEA | SHTB | COBe | SWiTe

Waved walls grooves provide great contact surface for maximum **traction** on both snow and inconsistent terrain (sand).

S-shaped tread design enhances great **comfort** and **low noise generation** when driving on asphalt.


Bridges between tread blocks minimize tread stress for maximum **durability**.

Available in both **tube and tubeless versions**. The tubeless version permits the use of the special "bead lock" and "run flat" systems inside the tyre.

| SIZE | LOAD INDEX / SPEED CODE | MARKING | | | | |
|---|---|---|---|---|---|---|
| 14.00 R 20 | 164/160 K (166 J) | M+S POR ML | | | | |
| 14.00 R 20 | 168/166 K | M+S POR HD | | | | |
| 335/80 R 20 | 150 K | M+S POR MPT | | | | |
| 365/85 R 20 | 164 K | M+S POR | | | | |
| 395/85 R 20 | 168K | M+S POR | | | | |

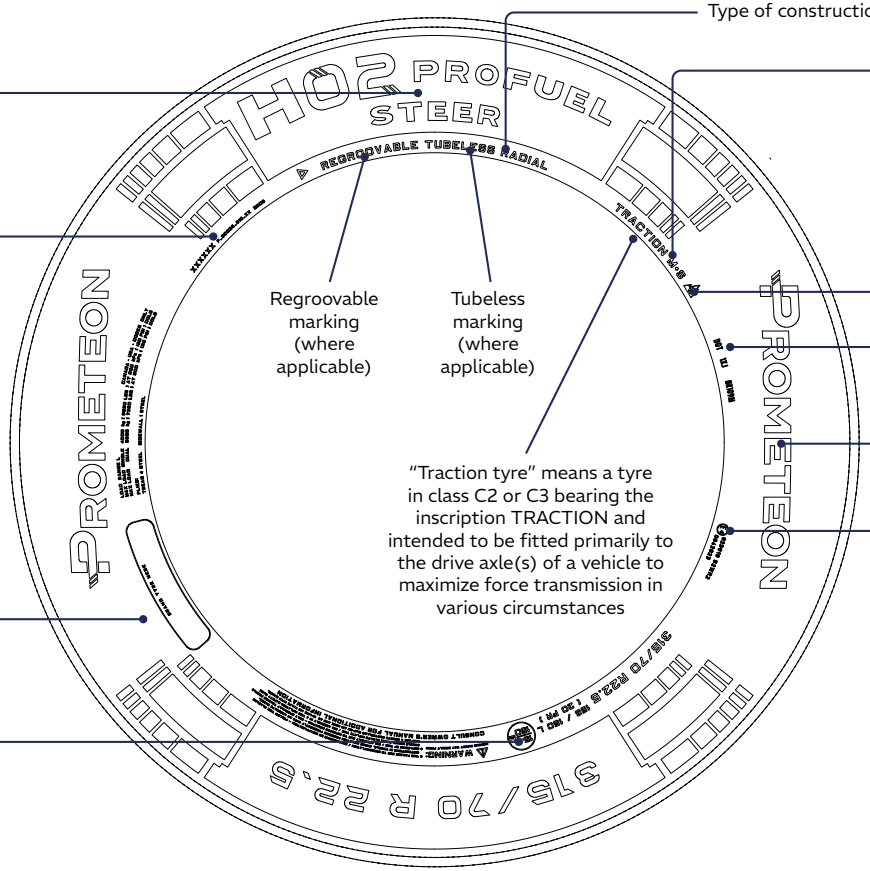
# TYRE MARKINGS

Nominal aspect ratio or series (H/S*100)

| 315/70 | R | 22.5 | 156/150 | L |
|---|---|---|---|---|
| Nominal section width (or width code) | Construction code | Nominal rim diameter (Code) | Load indices (single / dual) | Speed symbol |

Ply rating. Indicates different versions (load capacity/inflation pressure) of tyres having the same size designation

| 12.00 | R | 20 | 154/150 | K | 20PR |
|---|---|---|---|---|---|




Type of construction

Product name

Mould reference number

Regroovable marking (where applicable)

Tubeless marking (where applicable)

"Traction tyre" means a tyre in class C2 or C3 bearing the inscription TRACTION and intended to be fitted primarily to the drive axle(s) of a vehicle to maximize force transmission in various circumstances

Position for operator's own brand (where required)

Supplementary service description. Load indices and speed symbol for specific service conditions

The inscription "M+S" or "M.S" or "M&S" in the case of a tyre designed to ensure in mud and fresh or melting snow a performance better than that of a normal tyre

The "Alpine" symbol ("3-peak-mountain with snowflake") for all categories if the tyre is classified in the category of use "snow"

North American Department of Transportation compliance symbol and identification number

Brand name

Compliance with the European Directive 2001/43/EC on noise level

# LOAD AND SPEED TABLES

## CONVERSION OF LOAD INDICES (LI) INTO LOAD CAPACITIES PER TYRE [KG AND LBS]

| LI | KG | LBS |
|---|---|---|
| 80 | 450 | 990 |
| 81 | 462 | 1020 |
| 82 | 475 | 1045 |
| 83 | 487 | 1075 |
| 84 | 500 | 1100 |
| 85 | 515 | 1135 |
| 86 | 530 | 1170 |
| 87 | 545 | 1200 |
| 88 | 560 | 1235 |
| 89 | 580 | 1280 |
| 90 | 600 | 1325 |
| 91 | 615 | 1355 |
| 92 | 630 | 1390 |
| 93 | 650 | 1435 |
| 94 | 670 | 1475 |
| 95 | 690 | 1520 |
| 96 | 710 | 1565 |
| 97 | 730 | 1610 |
| 98 | 750 | 1655 |
| 99 | 775 | 1710 |
| 100 | 800 | 1765 |
| 101 | 825 | 1820 |
| 102 | 850 | 1875 |
| 103 | 875 | 1930 |
| 104 | 900 | 1985 |
| 105 | 925 | 2040 |
| 106 | 950 | 2095 |
| 107 | 975 | 2150 |
| 108 | 1000 | 2205 |
| 109 | 1030 | 2270 |
| 110 | 1060 | 2335 |

| LI | KG | LBS |
|---|---|---|
| 111 | 1090 | 2405 |
| 112 | 1120 | 2470 |
| 113 | 1150 | 2535 |
| 114 | 1180 | 2600 |
| 115 | 1215 | 2680 |
| 116 | 1250 | 2755 |
| 117 | 1285 | 2835 |
| 118 | 1320 | 2910 |
| 119 | 1360 | 3000 |
| 120 | 1400 | 3085 |
| 121 | 1450 | 3195 |
| 122 | 1500 | 3305 |
| 123 | 1550 | 3415 |
| 124 | 1600 | 3525 |
| 125 | 1650 | 3640 |
| 126 | 1700 | 3750 |
| 127 | 1750 | 3860 |
| 128 | 1800 | 3970 |
| 129 | 1850 | 4080 |
| 130 | 1900 | 4190 |
| 131 | 1950 | 4300 |
| 132 | 2000 | 4410 |
| 133 | 2060 | 4540 |
| 134 | 2120 | 4675 |
| 135 | 2180 | 4805 |
| 136 | 2240 | 4940 |
| 137 | 2300 | 5070 |
| 138 | 2360 | 5205 |
| 139 | 2430 | 5355 |
| 140 | 2500 | 5510 |

| LI | KG | LBS |
|---|---|---|
| 141 | 2575 | 5675 |
| 142 | 2650 | 5840 |
| 143 | 2725 | 6010 |
| 144 | 2800 | 6175 |
| 145 | 2900 | 6395 |
| 146 | 3000 | 6615 |
| 147 | 3075 | 6780 |
| 148 | 3150 | 6945 |
| 149 | 3250 | 7165 |
| 150 | 3350 | 7385 |
| 151 | 3450 | 7605 |
| 152 | 3550 | 7825 |
| 153 | 3650 | 8045 |
| 154 | 3750 | 8265 |
| 155 | 3875 | 8545 |
| 156 | 4000 | 8820 |
| 157 | 4125 | 9095 |
| 158 | 4250 | 9370 |
| 159 | 4375 | 9645 |
| 160 | 4500 | 9920 |
| 161 | 4625 | 10195 |
| 162 | 4750 | 10470 |
| 163 | 4875 | 10745 |
| 164 | 5000 | 11025 |
| 165 | 5150 | 11355 |
| 166 | 5300 | 11685 |
| 167 | 5450 | 12015 |
| 168 | 5600 | 12345 |
| 169 | 5800 | 12785 |
| 170 | 6000 | 13230 |

## SPEED SYMBOLS [KM/H & MPH]

| SYMBOL | E | F | G | J | K | L | M | N | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KM/H | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 |
| M.P.H. | 43 | 50 | 56 | 62 | 68 | 75 | 81 | 87 | 93 | 99 | 106 | 112 | 118 |

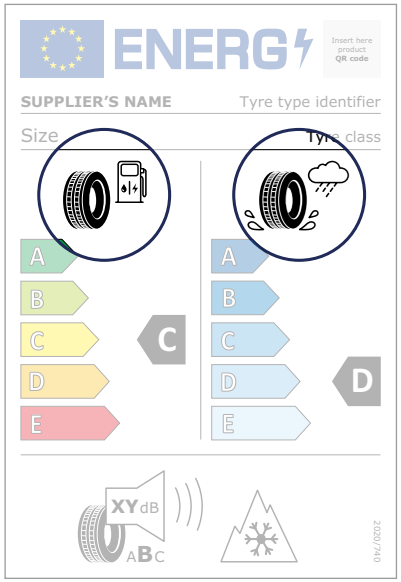
# EU TYRE LABELLING REGULATION N. 2020/740

Regulation (EC) No 1222/2009 first introduced the obligation of placing car and van tyres on the EU market with a sticker showing the label with information on the fuel efficiency (rolling resistance), wet grip and external noise of the tyres.

**Under the (EU) 2020/740 regulation, bus and truck tyres are also covered.**

In addition to fuel efficiency, safety and noise emission, the EU Energy Label reports also 3PMSF marking and QR code to access to a public database where the label information are stored and accessible to all.

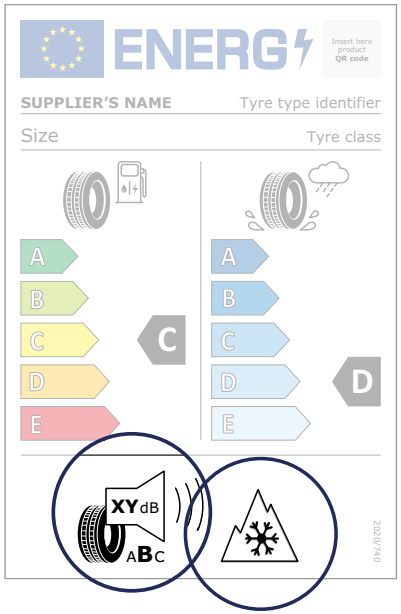
**Careful driving with awareness helps the environment and safety.** Actual fuel savings and road safety heavily depend on drivers' behaviour and correct tyre management and care:
- eco-driving can significantly reduce fuel consumption;
- tyre pressure needs to be regularly checked to optimize fuel efficiency and wet grip;
- braking distances must always be respected.

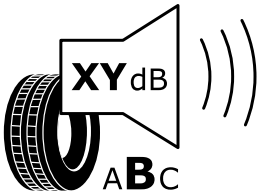



**FUEL EFFICIENCY** associated to the tyre's rolling resistance.
Rolling Resistance is a force acting opposite to the travel direction when the tyre is rolling.
Considering that tyres contribute up to 20% of the overall fuel consumption for a car and up to 33% for a truck (for long haulage application), it is important to reach low Rolling Resistance values.
Let's understand how it works: due to the vehicle load, the tyre is deformed in the contact area with the road surface dissipating energy in form of heat. The higher deformations, the higher the rolling resistance and consequently more fuel consumption and CO2 emissions.
In the EU tyre regulation label, rolling resistance is expressed in grades, ranging from A (best grading) to E (worst grading) for industrial vehicles and cars.

**SAFETY** associated to the tyre's wet grip.
Wet grip is one of the most important safety performance of a tyre. Excellent grip on wet means shorter braking distances when driving in rainy weather.
There are other important parameters which are relevant for safety, but wet grip was chosen as the most representative situation in order to compare different tyres.
It ranges from A (shorter braking distance on wet asphalt) to E for truck. The difference between each grade means an increase or decrease in stopping distance of roughly 2 and 3 meters when braking from 60 km/h to 20Km/h.

# EU TYRE LABELLING REGULATION N. 2020/740




## EXTERNAL NOISE LEVEL (given in decibels)

Traffic noise is a relevant environmental issue determined by several factors such as traffic intensity, vehicle type, driving style, tyre-road interaction. The value indicated in the label is not the internal that the driver will perceive while driving, but the external one, that is contributing to acoustic pollution.
It is expressed in decibel (dB) and split in 3 categories:

- A class (best performance): at least 3dB less than the Limit Value of EU reg. 661/2009;
- B class: compliant with the limit value of EU reg 661/2009;
- C class (worst performance): compliant with omologative limits but over the limit value of EU reg. 661/2009.

## TYRE FOR USE IN SEVERE SNOW CONDITIONS

(3PMSF symbol)
The tyre bearing this symbol is specifically designed for use in severe snow conditions and can bear the symbol only after a specific test for the measurement of snow grip performances.
The pictogram known as 'Alpine Symbol' or '3 Peaks Mountain Snow Flake' or (3PMSF) is also included on the tyre label of a tyre which satisfies the minimum snow grip index values set out in the 2020/740 regulation that provide also the testing method.
Many European countries are increasing the adoption of legislations that allow the vehicles circulation during winter season only to vehicles provided with tyres bearing Alpine symbol in some different conditions (roads, regions or periods).

## EPREL database / Product information sheet

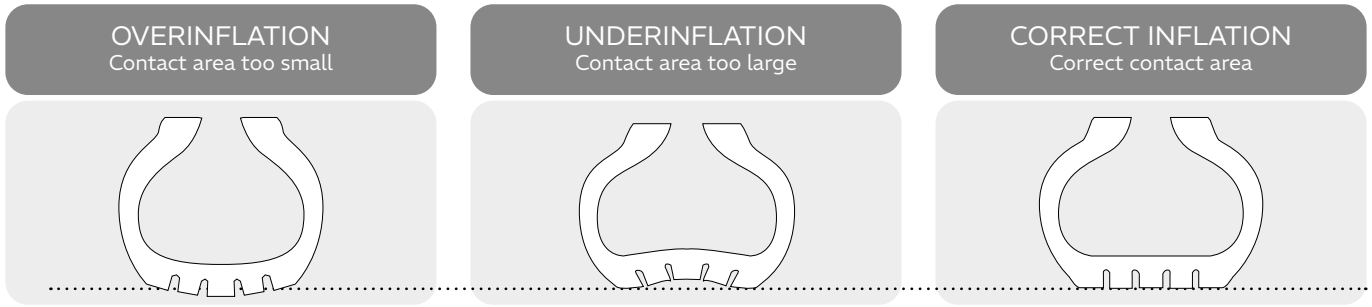
**(European Product Registry for Energy Labelling)**

According to the EU label regulation 2020/740, tires sold in Europe must have an Energy Label and the related information must be registered on the EPREL.
Through the QR code displayed on the Label or Trademark and Tyre Type Identifier, consumers can access the public web portal and download:

- official EU Label values;
- product information sheet, which includes the designation data and grading for each Tyre Type Identifier.

# INFLATION PRESSURE

This is one of the factors that mostly influences tyre efficiency. It is the compressed gas in the tyre that supports the load. Incorrect pressure, whether associated with overinflation or underinflation, will either have the effect of over "supporting" the tyre and causing casing stress, or under "supporting" it, with a consequent increase in flexing and generation of an excessive amount of heat, and this may cause tyre failure. Flexing during service is a function of the load supported by the tyre and of the inflation pressure; it is predetermined in the design phase to optimise the tyre performance. Inflation pressure must always depend upon the actual load per axle, to guarantee the proper tyre flexing. Overload leads to similar effects as underinflation. When the correct pressure is used even the tyre footprint area, i.e.: the contact surface between the tread and the road, will be optimal and this is a determining factor to guarantee even wear.




We should recall that the pressure must be measured when the tyre is cold, after the vehicle has been standing for several hours.

With regards to pressure check, we recommend compliance with the following instructions:

| USE | PRESSURE CHECK (DAYS)* | | | |
|---|---|---|---|---|
| ON/OFF ROAD | 1 | 7 | 10 | 15 |
| Radius of activity up to 100 km | | | • | |
| Radius of activity over 100 km | | • | | |
| On building sites in one shift | | • | | |
| On building sites in 2/3 shifts | • | | | |
| ON | 1 | 7 | 10 | 15 |
| km covered per month up to 8000 km | | | | • |
| km covered per month over 8000 km | | • | | |

## DO NOT "BLEED" TYRES

One of the causes of underinflation is the practice of "bleeding" tyres i.e. reducing the pressure in tyres which have run, warmed up and, therefore, increased in pressure above their starting pressure. Due to casing deflection, all tyres generate heat in operation. This causes the inflation air to warm up, it will try to expand but, because it is confined and cannot, the pressure increases. Such increase is quite normal and tyres are designed safely to withstand it. If air is let out to reduce the pressure, it will mean that the tyre is working at too great a defection for a hot tyre, i.e. it is in fact under inflated in relation to the load carried. The increased deflection will generate even more heat: the tyre may again reach the higher pressure, but it will be hotter still.

(*) Make sure the valve cap is always properly screwed. The spare wheel must be checked as well.

# STORAGE IN A ROW ON PALLETS (BEST METHOD)

## STORAGE OF PRODUCTS

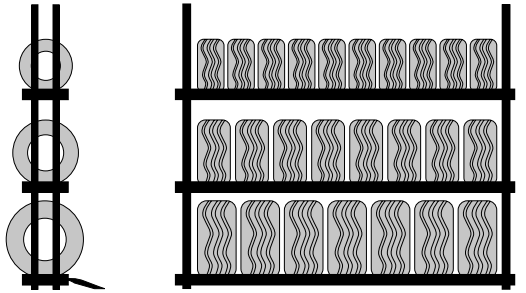
Moist conditions should be avoided. Care must be taken to ensure no condensation occurs. Tyres have to be stored inside in cool, dry and moderately ventilated conditions. Skylights and windows have to be positioned such that sunlight does not fall directly onto the stored products. The storage temperature should be ideally between 5°C and 25°C, not above 35°C. The effects of low temperature fall directly onto the stored products. Care should be taken therefore to avoid distorting them during handling at that temperature, because cracks may appear. In case of stacking tyres in piles, the following rules must be followed for method, stack height etc:

| SECTION WIDTH | | MAX NO. TYRES PER PILE | NO. OF TYRES FOR ANCHORAGE |
|---|---|---|---|
| Light truck and truck | Up to 8" or 205 mm | 10 | +2 |
| | 9" – 10"or 215-255 mm | 9 | +2 |
| | 11"-12" or 265-315 mm | 8 | +2 |
| | Over 12" or 315 mm | 4 | +2 |

### SHORT TERM STORAGE

Up to 4 weeks, tyres can be stored in stacks, one on top of the other, preferably on a fixed rack or on stackable pallets, reforming the stack inverting the order of the tyres on a weekly basis. In all cases when tyres are stored in stacks, it is necessary to ensure that there is no partial misplacement from the vertical plane, in order to avoid any permanent deformation of the lower tyres in the stack.

The maximum height of the stack must not exceed 1.2m and the tyres in the stack must all be of the same dimension.



(pict.1)

### INNER TUBES AND VALVES

Whether inner tubes are supplied by the producer in single boxes, large boxes or wrapped in plastic film, it is always preferable to maintain the original packaging.
In alternative they can be stored also slightly inflated, inserted within the tyre, or piled deflated, up to a maximum height of 50 cm, on racking shelves with a closed base, accurately avoiding that the valve can damage the surface of the tube when squashed under the pressure of their own weight.
Ensure that the tubes do not overlap the edge of the plane on which they are stored to avoid accidental laceration. It is not recommended to store on slatted pallets because the pressure applied to the tubes will not be uniform. Do not hang inner tubes during storage. Valves should be stored in their packaging in a clean, well ventilated and dry location.

### FLAPS

Flaps should preferably be placed within the tyre together with the inner tube. If they are stored separately, they should be placed horizontally, in a pile on a shelf, protected from dust, grease, humidity, ozone and direct sunlight. To avoid deformation and stretching they must not be hung up in any way.

### STOCK ROTATION

The storage location must be organized in such a way as to guarantee constant stock rotation, limiting to the minimum the storage period of the tyres. Products which enter storage first must be the first to leave. First in, first out.

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