

# Technical data symbols

The following symbols are used in the technical data charts

## Dimensions

### Size

States tyre size designation.

### LI - SS

States tyre Load Index and Speed Symbol.

LI is a code for the tyre load capacity at its nominal maximum speed. SS is a code indicating the tyre nominal maximum speed.

### PR

States tyre ply rating and is a strength code for the tyre carcass.

### Type or Tread pattern

States the tyre tread symbol or pattern. If it is a tubeless tyre, the tyre is marked with the symbol TL after the tread symbol.

### New tyre

States tyre diameter and width in mm, when the tyre is originally mounted with a nominal inflation pressure.

### SW

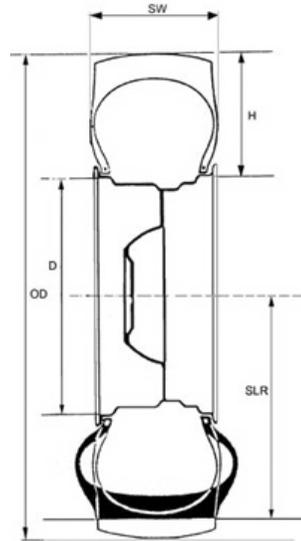
The Section Width of the unloaded tyre. If the tyre is fitted on a rim which is narrower (or wider) than that underlined, the section width is obtained by decreasing (or increasing) the value shown by 40% of the rim width variation (in millimetres).

### OD

The Overall Diameter of the unloaded tyre.

### RC

Rolling Circumference at reference load and pressure. Distance covered in one complete revolution of the wheel on an asphalt road. Value in mm measured according to ISO11795.



### SLR

Static Loaded Radius is the radius from the wheel centre down to the ground, at reference load and pressure. The difference between unloaded radius and static loaded radius is called deflection. This value varies between 15-30% of the tyre section height, depending on tyre type.

### SRI

The Speed Radius Index states a theoretical value only to be used for calculation of the max speed of a vehicle according to EU homologation procedures.

### Tyre in service

States the tyre max. diameter and width in mm that the tyre may reach during its lifetime. These are the measurements manufacturers should pay attention to when designing new vehicles and machinery, to obtain adequate clearance for the wheel.

## Rim

States recommended rim size. Rim width is expressed in inches e.g. **16.00**. A letter symbol in connection with rim width represents the code for the rim contour. The rim diameter is expressed in inches.

Rim diameters ending with 0.5 (17.5, 22.5 etc.) are 15-degree rims. Remaining rims are 5-degree (34, 38, 42 etc.). In the table only the rim width is stated.

**Please check the list of rims included.**

## Tube

States the tube to be used for each size.

Example of tube marking:

STT brand	Size designation	valve
	<b>7.50 – 16 (*)</b>	<b>TR15</b>
	<b>520/70-30 / 18.4-30 (**)</b>	<b>TR218</b>
TWIN brand	Size designation	valve
	<b>600/55-30.5 / 600/60-30.5 (**)</b>	<b>TR218</b>

(\*) The tube is marked in the same way as the corresponding type. No marking on the tube concerning valve type.

(\*\*) Double size marking means that the tube fits the corresponding tyre sizes.

No marking on the tube concerning valve type.

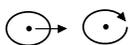
## Speed

The speed indicated in the table represents the maximum speed in use for the tyre at the given load and pressure. Speed notation

in bold types states the nominal speed for the tyre.

**Speed 1 Km/h = 0.62 mph**

## Free rolling and driving wheel



These are new symbols used for Implement tyres and states free rolling  and driving service .

Loadwise, the load capacity is 30% less for driving wheels than for free rolling wheels.

## Inflation pressure

The inflation pressures refer to tyres at ambient temperature. The values given in the tables represent the “**reference pressure**” for the load and speed conditions shown. The actual pressure of the tyre must be established in accordance with the mechanical characteristics of the vehicle, the additional load from the use of equipment and additional storage facilities, as well as the load conditions.

These values can be obtained from the “**load / pressure / application**” tables according to the use:

### Tractor tyres

- on road at various speeds
- on field at “high torque” (ploughing, harrowing, etc.)
- on field at “low torque”(surface works, sowing, etc.)
- cyclic loading service on harvesting machines

### Implement tyres

- free rolling wheel - road service
- free rolling wheel - field service
- driving wheel - road service
- driving wheel - field service

### Forestry tyres

- on road
- on light terrain
- on heavy terrain and road service
- on very heavy terrain

### Green area and garden tyres

- on road
- on field

### AMPT tyres or loaders and excavator tyres

- road service
- field service

For tyres with A8 or D marking, in frequent or long distance road transport at speeds of more than 30 Km/h, the inflation pressure should be increased by 0.4 bar over the nominal value obtained for effective loads on the axles.

Inflation pressure **1 bar = 100 kPa**  
**1 bar = 14,5 psi**

## Load capacity

The load capacity is the maximum load (expressed in Kg) a tyre is permitted to carry under specified operating conditions. The nominal load is stated in bold type.