PNEUMATIC TYRES - BIAS PLY

Industrial tyres are designed, constructed & made of materials to withstand heavy loads at low speeds. Different design & pattern are made to suit different operating conditions & requirements from which the customer may choose the most appropriate for any specific need. Generally, industrial tyres are used on forklifts, straddle carriers, container reach-stackers, rubber tyres gantry (transcontainers), tow vehicles, mobile harbour, cranes, trailers, reach loggers and other industrial uses.

PNEUMATIC TYRES - Tyre Size Designation

1. 7.00 R 12
   - Nominal rim diameter in inches
   - Radial ply construction
   - Nominal section width in inches

2. 7.00 - 12 12R
   - Ply rating
   - Nominal rim diameter in inches
   - Nominal section width in inches

3. 18 x 7 - 8 14PR
   - Ply rating
   - Nominal rim diameter in inches
   - Nominal section width in inches
   - Nominal overall diameter in inches

4. 250 - 15 16R
   - Ply rating
   - Nominal rim diameter in inches
   - Nominal section width in millimetre

5. 275 / 85 D 20 152 A5
   - Speed symbol
   - Load index
   - Nominal rim diameter in inches
   - Bias ply construction
   - Nominal aspect ratio (%)
   - Nominal section width in millimetre
Tyre Classification & Tyre Size Designation

SOLID TYRES

Reinforced with a special rubberized fabric layer, the tread rubber is highly resistant to cut and abrasive wear. A puncture-proof tyre with small deflection provides good stability and it may generally be mounted on pneumatic tyre rim. Exceptions to this are given on rim usage precautions. Various compounds are used to meet different customer requirements: DG compound is for maximum wear resistance & steering stability, mild DG compound is for maximum wear resistance & ride comfort, FB compound is for low rolling resistance, non-marking compound is also available to meet specific requirements in the food, medical and electronic industries & other users.

SOLID TYRES (TRUKUSH)-Tyre Size Designation

(1) **5.00 - 8 Cushion**
- Rim 3.00
- Solid
- Nominal rim diameter in inches
- Design rim width in inches

(2) **18 x 7 - 8 Cushion**
- Solid
- Nominal rim diameter in inches
- Nominal section width in inches
- Nominal overall diameter in inches

(3) **250 - 16 / 7.00 Cushion**
- Solid
- Design rim width in inches
- Nominal section width in inches
- Nominal section width in millimetre
Tyre Classification & Tyre Size Designation

PRESS-ON RUBBER TYRE

Composed of a rubber tread vulcanized onto a metal base band, the tyre is able to withstand high / heavy load for its size, allowing it to be used on smaller vehicle without reduction in load capacity. This type of tyre is available in various types of pattern. It is a puncture-proof type.

PRESS-ON TYRE - Tyre Size Designation

1. 10 x 6 x 6-1/4
   - Nominal wheel diameter in inches
   - Nominal section width in inches
   - Nominal overall diameter in inches

2. 265 / 135 - 145
   - Nominal wheel diameter in millimetre
   - Nominal section width in millimetre
   - Nominal overall diameter in millimetre

3. 7 x 3
   - Nominal section width in inches
   - Nominal overall diameter in inches

4. 178 x 73
   - Nominal section width in millimetre
   - Nominal overall diameter in millimetre

Antistatic Properties

Working conditions having a high fire or explosive risk:

Tyres for mechanical handling equipment working in high fire risk or explosive atmosphere: chemical production, petrochemicals, etc. (in both production and storage areas) must, for reasons of safety conform to antistatic norms imposed in legislation. This will depend on the "zoning" and degree of protection required.

Simex industrial tyres marked with the "Antistatic" marking on the sidewall to meet specific customer's requirement. This indicates that the tyre meets the requirements of BS2050 and ISO 2883 / 2878 as concern "Antistatic Tyres" and "Tyres for explosives-handling vehicles".