**FLEXPORT™ Tire Application Guide**

**BUILT FOR IT.™**

CAT® FLEXPORT™
Built for maximum machine performance.

**FEATURES & BENEFITS**

- **Patented sidewall ports** make the ride more comfortable for operators.
- **Elliptical ports won’t collapse** under heavy loads, reducing stress points for longer wear life.
- **Greater machine stability** when carrying maximum loads for same tire size.
- **Deep tread delivers long wear life and excellent traction** — on any surface.
- **Tread pattern handles tough terrain** and allows easy, smooth transitions from unimproved to improved surfaces.
- **Highest quality rubber compound manufactured to Caterpillar specifications** means durability for longer wear life and a consistent product.
- **Puncture-proof design** puts an end to fixing flats.
- **One-piece tire-and-rim design** reduces tire-servicing costs.

**TREAD OPTIONS**

- **OTR (Off-the-Road)**
  - OTR-tread design has a block pattern that provides a degree of traction in applications where debris is not an issue.
- **SMOOTH**
  - Smooth-tread design is ideal for special applications where debris is an issue like scrap yards, recycling centers, and some waste transfer stations.
- **CONSTRUCTION**
  - Construction-tread design is the right choice for maximum performance in the toughest environments. It is designed for smaller machine applications where better traction is required.

**AVAILABLE OPTIONS**

- **SWL (Small Wheel Loader)**
  - **Model**
    - 934, 930
  - **Size**
    - 60.5x10.5x21 (20.5x25)
  - **Part Number**
    - 324-3436
  - **Adapter**
    - 324-3437

- **CWL (Compact Wheel Loader)**
  - **Model**
    - 956, 972
  - **Size**
    - 70.0x14x28 (23.5x25)
  - **Part Number**
    - 324-3437
  - **Adapter**
    - 324-3437

- **MWL (Medium Wheel Loader)**
  - **Model**
    - 966, 972
  - **Size**
    - 74.5x14x31.5 (26.5x25)
  - **Part Number**
    - 324-3437
  - **Adapter**
    - 324-3437

The use of CAT® FLEXPORT™ tires is recommended for the following applications:

- **Construction**
- **Industries**
- **Transfer Station**
- **Pavement Profiling**

**RECOMMENDED APPLICATION**

- **OTR-tread**
- **Smooth-tread**
- **Construction-tread**

**PERFORMANCE**

- **TRACTION**
  - **DURABILITY**
  - **Resistance to Wear/Chunk**
  - **MOBILITY**
  - **Operating Speed**

**SERVICEABLE.**

- **Operating Speed**

**STABLE.**

- **Puncture-proof design**

**COMFORTABLE.**

- **Smooth tread design is ideal for special applications where debris is not an issue.**

**DURABLE.**

- **Smooth tread design is ideal for special applications where debris is an issue like scrap yards, recycling centers, and some waste transfer stations.**

- **Construction-tread design is the right choice for maximum performance in the toughest environments. It is designed for smaller machine applications where better traction is required.**

**AVAILABLE OPTIONS**

- **SSL (Skid-Steer Loader)**
  - **Model**
    - 216, 226, 232
  - **Size**
    - 33x6x11 (12.00x16.5)
  - **Part Number**
    - 345-7585

FLEXPORT™ tires for MH3037, MH3049, and MH3059 Material Handlers are also available.

PEHJO457

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**TIRE SIZE & TREAD MEASUREMENTS**

Measure from top of Tread (A) to top of the Wear Indicator Bar (B).

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<tr>
<th>FLEXPORT™ Size Designation</th>
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<tr>
<td>70.0 x 14.0 x 28.0</td>
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<td>Tread Width</td>
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<td>Total Rubber Thickness</td>
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<td>Overall Diameter</td>
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<th>Pneumatic Size Designation</th>
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<tr>
<td>Rim Diameter</td>
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<td>Tread Width</td>
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**HEAD-TO-HEAD COMPARISON**

FLEXPORT elliptical design is far superior to a round design.

- **FLEXPORT tires with elliptical-shaped ports.**
  - FLEXPORT’s elliptical ports are designed not to crush when compressed by heavy weight.
  - Because the ports don’t crush, this reduces stress points and increases wear life.

- **Other tire companies manufacture round holes.**
  - The round design easily collapses into a flat shape under load, which creates corners that cause “pinch” or “stress” points.
  - Stress point damage will typically result in cracking and chunking of a tire.

**OPTIMIZING TIRE LIFE**

- **Tread Selection** is key to managing trade-offs between protection and traction.
- **Tire Tracking** is key to understanding and improving performance.
- **Tire Indexing** is the most common cause of early wear out.
- **Tire Rotations** are recommended every 500 - 1000 hours of operation to maintain similar tire diameter/wear:
  - Actual rotation practices will vary by application and tread pattern. Observation and logic should drive the appropriate option.
  - For ‘Construction’ tread pattern, use only ‘Front-Rear’ Rotation to maintain machine track width.
  - ‘OTR’ tread pattern is non-directional and can be rotated to any wheel position.

**Rotation Options**

- **FORWARD CROSS**
  - Front swap directly to Rear
  - Rear cross swap to Front

- **FULL CROSS**
  - Front cross swap to Rear
  - Rear cross swap to Front

- **REARWARD CROSS**
  - Front cross swap to Rear
  - Rear directly to Front

- **FRONT-REAR**
  - Front swap directly to Rear
  - Rear swap directly to Front

- **SIDE SIDE**
  - Swap to each side for both Front and Rear

**Warranty** - FLEXPORT tires have a separate warranty statement covering defects in material and workmanship.

For more information, visit our website at http://dealer.cat.com/tires

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COMFORTABLE. STABLE. DURABLE.

Created with operator comfort in mind, Flexport Tires use a series of elliptical-shaped ports molded through the outer ring of the sidewalls. The ports increase tire flexibility to produce a smoother, more cushioned ride on any surface—from waste and scrap to quarry and glass. The ports won’t crush under the weight of a full bucket, and the innovative design also improves machine stability when lifting and carrying.

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* Weight excluding adapter plate.