

FLEXPORT™

Tire Application Guide



COMFORTABLE.



SERVICEABLE.



DURABLE.



STABLE.

CAT® FLEXPORT™

Built for maximum machine performance.



BUILT FOR IT.™

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.

PERFORMANCE

RECOMMENDED APPLICATION

	TRACTION Surface Grip Capability	DURABILITY Resistance to Wear/Chunk	MOBILITY Operating Speed	Building & Framing	Demolition	Industrial Waste	Landscaping	Loading	Pavement Profiling	Quarry Cleanup	Recycling	Scrap Yard	Transfer Station
OTR-tread	●	●	●	●	●	●	●	●	○	●	●	●	●
Smooth-tread	○	●	○	○	●	○	○	○	○	○	○	○	○
Construction-tread	●	○	●	●	○	●	●	●	●	○	○	○	○

AVAILABLE OPTIONS (● Bold indicates available first fit options ● Left (L) & Right (R) side designation may vary depending on machine tread width)

SSL (Skid-Steer Loader)			
Model	Size	Part Number	
216, 226, 232	31x6x10 (10.00x16.5)	● 345-7585 ▲ 329-6989 L ▲ 329-6990 R	
236, 246, 252, 262	33x6x11 (12.00x16.5)	■ 324-3427 ● 329-6785 ▲ 329-6784 L ▲ 329-6783 R	

CWL (Compact Wheel Loader)			
Model	Size	Part Number	
904B	33x6.0x11 (12.00x16.5)	● 329-7298 ▲ 329-7297 L ▲ 329-7296 R	
904H	33x6.0x11 (12.00x16.5)	■ 327-8482 ▲ 329-6092 L ▲ 329-6091 R	
906, 907	38x7.0x13.5 (12.5x80/18)	■ 315-7843 ▲ 315-7844 L ▲ 315-8629 R	
908	40x7.5x13.5 (12.5x20)	■ 316-0016 ▲ 316-0012 L ▲ 316-0014 R	
914K	53.5x9x16.5 (17.5x25)	■ 447-1131	

SWL (Small Wheel Loader)			
Model	Size	Part Number	Adapter
924, 930	60.5x10.5x21 (20.5x25)	■ 324-3436 ● 324-3437	336-8289
938G	60.5x10.5x21 (20.5x25)	■ 324-3436 ● 324-3437	336-8291
938K	60.5x10.5x21 (20.5x25)	■ 324-3436 ● 324-3437	369-4675

Required Adapter Hardware (per Tire)
 20 x 451-4523 Bolt
 40 x 451-5656 Washer
 20 x 451-4526 Nut

MWL (Medium Wheel Loader)			
Model	Size	Part Number	Adapter
950, 962	65.0x13x25 (23.5x25)	■ 332-5712 ● 324-3431	364-1289
966, 972	70.0x14x28 (26.5x25)	■ 316-0529 ● 322-9596	364-1290
980	74.5x14x31.5 (29.5x25)	■ 324-3432 ● 324-3433	-N/A-

Required Adapter Hardware (per Tire)
 20 x 7X-2577 Bolt
 40 x 267-3507 Washer
 20 x 268-8262 Nut

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

PEHJ0457

© 2014 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow", the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.



FLEXPORTM

Tire Application Guide

TIRE SIZE & TREAD MEASUREMENTS

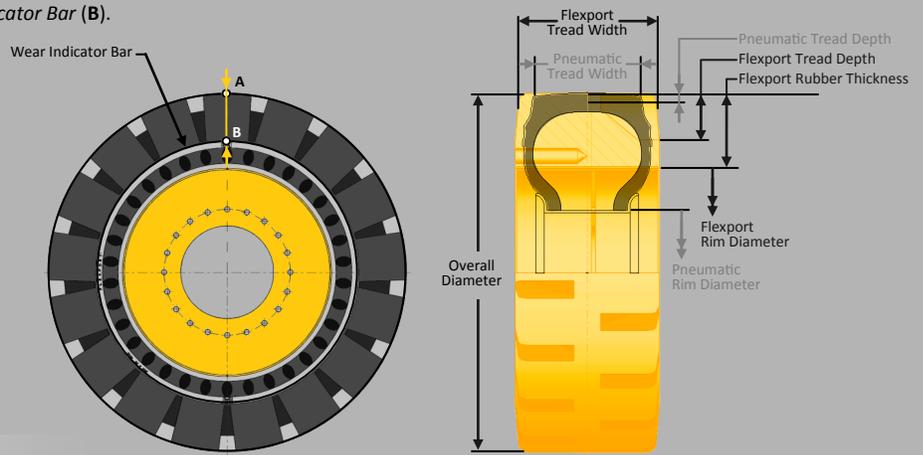
Measure from top of *Tread* (A) to top of the *Wear Indicator Bar* (B).

FLEXPORTM Size Designation

70.0 x 14.0 x 28.0
 Tread Width
 Total Rubber Thickness
 Overall Diameter

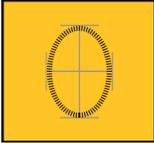
Pneumatic Size Designation

29.5 x 25
 Rim Diameter
 Tread Width



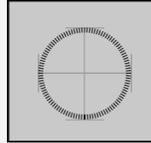
HEAD-TO-HEAD COMPARISON

FLEXPOR elliptical design is far superior to a round design.



FLEXPOR tires with elliptical-shaped ports.

- FLEXPOR'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.

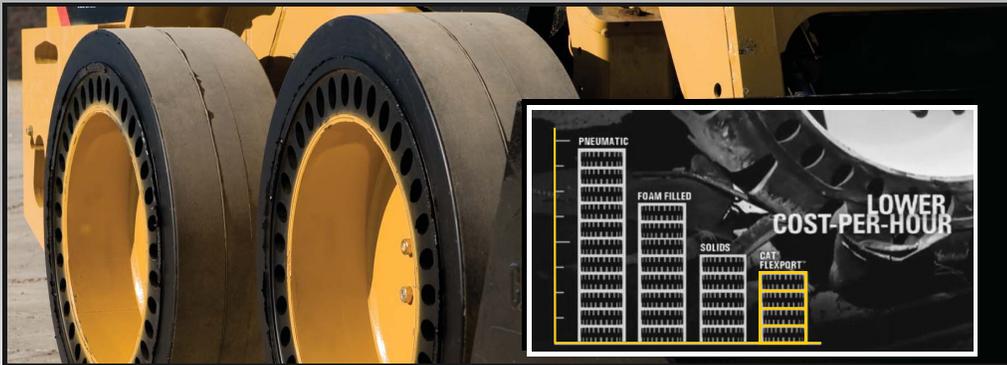


Other tire companies manufacture round holes.

- 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.



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

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

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 swap 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



FLEXPORTM

Tire Application Guide



■ OTR (Off-the-Road)

● SMOOTH

▲ CONSTRUCTION



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.

* Weight excluding adapter plate

	Model	Flexport Size (Pneumatic Size)	Part Number	Tread Pattern	Diameter [in]	Rubber Thickness [in]	Width [in]	Tread Depth [in]	Weight* [lbs]
SSL (Skid-Steer Loader)	216, 226, 232	31.0x6.0x10.0 (10.00x16.5)	● 345-7585	Smooth	31.0	6.0	10.0	3.00	275
			▲ 329-6989 L	Construction					246
			▲ 329-6990 R	Construction					246
	236, 246, 252, 262	33.0x6.0x11.0 (12.00x16.5)	■ 324-3427	OTR	33.0	6.0	11.0	3.00	309
			● 329-6785	Smooth					328
			▲ 329-6784 L	Construction					290
			▲ 329-6783 R	Construction					290
			● 329-7298	Smooth					330
	904B	33.0x6.0x11.0 (12.00x16.5)	▲ 329-7297 L	Construction	33.0	6.0	11.0	3.00	316
			▲ 329-7296 R	Construction					316
	904H	33.0x6.0x11.0 (12.00x16.5)	■ 327-8482	Smooth	33.0	6.0	11.0	3.00	314
			▲ 329-6092 L	Construction					296
906, 907	38.0x7.0x13.5 (12.5x18)	▲ 329-6091 R	Construction	38.0	7.0	13.5	3.54	296	
		■ 315-7843	OTR					531	
908	40.0x7.5x13.5 (12.5x20)	▲ 315-7844 L	Construction	40.0	7.5	13.5	4.29	528	
		▲ 315-8629 R	Construction					528	
		■ 316-0016	OTR					563	
914K	53.5x9.0x16.5 (17.5x25)	▲ 316-0012 L	Construction	40.0	7.5	13.5	3.66	545	
		▲ 316-0014 R	Construction					545	
		■ 447-1131	OTR					1,256	
SWL (Small Wheel Loader)	924, 930, 938	60.5x10.5x21.0 (20.5x25)	■ 324-3436	OTR	60.5	10.3	21.0	7.20	1,855
			● 324-3437	Smooth					1,959
MWL (Medium Wheel Loader)	950, 962	65.0x13.0x25.0 (23.5x25)	■ 332-5712	OTR	65.0	13.0	25.0	8.93	2,522
			● 324-3431	Smooth					2,723
	966, 972	70.0x14.0x28.0 (26.5x25)	■ 316-0529	OTR	70.0	14.0	28.0	9.84	3,379
			● 322-9596	Smooth					3,544
	980	74.5x14.0x31.5 (29.5x25)	■ 324-3432	OTR	74.5	14.0	31.5	10.71	4,485
MH (Material Handler)	MH3037	48.0x7.0x20.0	● 324-3433	Smooth	48.0	7.0	20.0	4.85	4,783
			■ 428-9395	OTR					1,130
			■ 423-7801	OTR					2,201
MH3049	60.0x6.0x20.5	■ 451-5851	OTR	60.0	6.0	20.5	4.00	2,286	
MH3059	59.0x7.0x23.5	■ 451-5851	OTR	59.0	7.0	23.5	5.00	2,286	