

Cat Flexport Tires

For Skid Steer Loaders and Wheel Loaders



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.

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.
- 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.
- In compliance with CAT ROPS

The Cat Flexport Tires are designed specifically for your wheel loaders and skid steer loaders. Available in three different tread patterns— construction, smooth-tread and OTR (off the road).

Flexport Tire Tread Types

Construction Tread Smooth - Tread Off the Road (OTR)



Flexport Tires' construction tread design is the right choice for maximum performance in your toughest environments. It is designed for smaller machine applications where better traction is required.



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



The OTR design has a block pattern that provides a degree of traction in applications where debris is not an issue.

Applications	Flexport Construction	Flexport Smooth Tread	Flexport OTR
Building & Farming	•		•
Demolition	•		
Hammering	•		
Industrial & Waste	•	•	
Landscaping	•		•
Loading	•		•
Pavement Profiling	•		
Quarry Cleanup	•		
Recycling	•	•	
Scrap Yard	•	•	
Transfer Station	•	•	

Cat Flexport Tires for Skid Steer Loaders



Cat Flexport tires for Skid Steer Loaders are a 1-piece tire / rim design and are available in directional construction, smooth and OTR tread patterns.

For most applications, the machine width can be customized by altering the placement of the rim on the machine.

Cat Flexport tires are available on both new machines and from your Cat Dealer as service parts.

Flexport Assemblies for Skid Steer Loaders

Flexport Tire Part Number	Machine Application	Available for First Fit	Available for Aftermarket	Tread Design	Flexport Size	Pneumatic Size Equivalent	Flexport Weight (kg)
329-6989 (LH)	216B, 216B2, 216B3, 226B,	Υ	Υ	Construction	31 x 6 x 10	10 x 16.5	112
329-6990 (RH)	226B2, 226B3, 232B, 232B2, 232D, 236D, 242B, 242B2, 242B3, 242D	Υ	Υ	Construction	31 x 6 x 10	10 x 16.5	112
329-6989 (LH)	216B, 216B2, 216B3, 226B,	Υ	Υ	Construction	31 x 6 x 10	10 x 16.5	112
329-6990 (RH)	226B2, 226B3, 232B, 232B2, 232D, 236D, 242B, 242B2, 242B3, 242D	Υ	Υ	Construction	31 x 6 x 10	10 x 16.5	112
345-7585	216B, 216B2, 216B3, 226B, 226B2, 226B3, 232B, 232B2, 242B, 242B2, 242B3	-	Υ	Smooth	31 x 6 x 10	10 x 16.5	125
329-6783 (RH)	236B, 236B2, 236B3, 246B, 246C,	Υ	Υ	Construction	33 x 6 x 11	12 x 16.5	132
329-6784 (LH)	246CQ, 246D, 248B, 252B, 252B3, 256C, 262B, 262C, 262C2, 262D, 268B, 272C (72" WIDTH)	Υ	Υ	Construction	33 x 6 x 11	12 x 16.5	132
329-6783 (RH)	272D (72" WIDTH), 272D XHP,	Υ	Υ	Construction	33 x 6 x 11	12 x 16.5	132
329-6784 (LH)	277C, 279C, 287C, 289C, 297C, 299C	Υ	Υ	Construction	33 x 6 x 11	12 x 16.5	132
329-6785	236B, 236B2, 236B3, 246B, 246C, 246CQ, 248B, 252B, 252B3, 256C, 262B, 262C, 262C2, 268B, 272C, 272D, XHP	-	Υ	Smooth	33 x 6 x 11	12 x 16.5	149
324-33427	236B, 236B2, 236B3, 246B, 246C, 246CQ, 248B, 252B, 252B3, 256C, 262B, 262C, 262C2, 268B, 272C, 272D, XHP	-	Υ	OTR	33 x 6 x 11	12 x 16.5	140

Flexport Rims for Skid Steer Loaders

Flexport Part Number	Rim Bolt Pattern (No. of Holes / Hole Dia. / Bolt Circle - mm)	Rim Pilot Hole Diameter - mm	Tire / Rim Assembly Offset	Tire / Rim Assembly to Machine Torque
329-6989				
329-6990			31.7	
345-7585				
329-6783	8, 17, 203.2	152.5		163 +/- 7 Nm
329-6784			44.5	
329-6785			44.5	
324-3427				

Cat Flexport Tires for Compact Wheel Loaders



Cat Flexport tires for Compact Wheel Loaders are a 1-piece tire / rim design and are available in directional construction, smooth and OTR tread patterns.

Cat Flexport tires are available on both new machines and from your Cat Dealer as service parts.

Flexport Assemblies for Compact Wheel Loaders

Flexport Part Number	Machine Application	Available for First	Available for Aftermarket	Tread Design	Flexport Size	Pneumatic Size Equivalent	Flexport Weight (kg)
329-7298	904B	-	Υ	Smooth	33 x 6 x 11	12 x 16.5	154
465-9047 (LH)	904H, 903D	-	Υ	Construction	33 x 6 x 11	12 x 16.5	125
465-9048 (RH)	304H, 303D	-	Υ	Construction	33 x 6 x 11	12 x 16.5	125
327-8482	904H	-	Υ	OTR	33 x 6 x 11	12 x 16.5	150
315-7843	904H, 904H2, 906K, 906M, 907H, 907H2, 907K, 907M	Υ	Υ	OTR	38 x 7 x 13.5	12.5 x 80/18	241
316-0016	908H	-	Υ	OTR	40 x 7 x 13.5	12.5 x 20	255
353-7103	914G	-	Υ	OTR	53.5 x 9 x 16.5	17.5 x 25	573
447-1131	914K, 914G2, 914M, 918M	Y	Υ	OTR	53.5 x 9 x 16.5	17.5 x 25	590

Flexport Rims for Compact Wheel Loaders

Flexport Part Number	Rim Bolt Pattern (No. of Holes / Hole Dia. / Bolt Circle -mm)	Rim Pilot Diameter - mm	Tire / Rim Assembly Offset	Tire / Rim Assembly to Ma- chine Torque
329-7298	6 / 22 / 203.2	152.4	55	520 +/- 70 Nm
465-9048				
465-9047	6 / 21.5 / 205	161.8	16	300 Nm
327-8482				
315-7843	8 / 21 / 275	221	47.5	360 +/- 25
316-0016	8 / 21 / 275	221	10	360 +/- 25
353-7103	8 / 26 / 200	147	53	300 +/- 40 Nm + additional turn of 60 +/- 5 deg
447-1131	10 / 26 / 335	281	10	550 +/- 60 Nm

Cat Flexport Tires for Small Wheel Loaders



Cat Flexport tires for Small Wheel Loaders are a 1-piece tire / rim design and are available in smooth and OTR tread patterns. Fitment of a Cat Flexport tire on a Small Wheel Loader requires the use of an adapter plate and hardware as shown.

Cat Flexport tires are available from your Cat Dealer as service parts.

Flexport Assemblies for Small Wheel Loaders

Flexport Part Number	Machine Application	Available for First Fit	Available for Aftermarket	Tread Design	Flexport Size	Pneumatic Size Equivalent	Flexport Weight (kg)
324-3436	924K, 926M, 930H, 930K, 930M, 938K, 938M	Υ	Υ	OTR	60.5 x 10.5 x 21	20.5 x 25	842
324-3437	924K, 926M, 930H, 930K, 930M, 938K, 938M	Υ	Υ	Smooth	60.5 x 10.5 x 21	20.5 x 25	889

Flexport	Part Annlication Diag Adaptor		Adams Diami		Ada	ptor Hardv	vare	Adontor	Adaptor Order Bolt Pattern	Adapter Disc
Part Number			Adaptor Disc	Mounting Instructions	Bolt (x 20)	Washer (x 40)	Nut (x 20)	Adaptor Torque	(No. of Holes / Hole Dis. / Bolt Circle - mm)	Weight (kg)
324-3436	924K, 926M,									
324-3436	930H, 930K, 930M	336-8289		ASSEMBLE						62
324-3437	938G	336-8291	364-1287	TO DEEP	451-4523	451-5656	451-4526	900 +/- 100	20 / 26 / 6732	58
324-3436	9300	330-0231		SIDE OF THE RIM				Nm		36
324-3437	938K, 938M	369-4675		IIIIVI						45
324-3437	330IX, 330IVI	303-4073								40

NOTE

In certain machine configurations, Cat Flexport tires may cause the machine to exceed ROPS capacity. To be certain that the machine does not exceed ROPS, the machine should be weighed to verify that the ROPS limits will not be exceeded with Flexport Tires. The ROPS capacity can be found on the cab of the machine.

Cat Flexport Tires for Medium Wheel Loaders



Cat Flexport tires for Medium Wheel Loaders are a 1-piece tire / rim design and are available in smooth and OTR tread patterns.

Fitment of a Cat Flexport tire on a Medium Wheel Loader requires the use of an adapter plate and hardware as shown.

Cat Flexport tires are available from your Cat Dealer as service parts.

Flexport Part Number	Machine Application	Available for First Fit	Available for Aftermarket	Tread Design	Flexport Size	Pneumatic Size Equivalent	Flexport Weight (kg)
332-5712	950H, 950K, 950M	Υ	Y	OTR	65 x 13 x 25	23.5 x 25	1144
	962H, 962K, 962M	Υ	Υ				
324-3421	950H, 950K, 950M	Υ	Υ	Smooth	65 x 13 x 25	23.5 x 25	1235
	962H, 962K, 962M	Υ	Υ	1			
316-0529	966H, 966K, 966KXE, 966M, 966MXE, 972H, 972K, 972M, 972MXE	Υ	Υ	OTR	70 x 14 x 28	26.5 x 25	1533
322-9596	966H, 966K, 966KXE, 966M, 966MXE, 972H, 972K, 972M, 972MXE	Υ	Υ	Smooth	70 x 14 x 28	26.5 x 25	1608
324-3432	980H/K	-	Υ	OTR	74.5 x 14 x 31.5	29.5 x 25	2034
324-3433	980H/K	-	Υ	Smooth	74.5 x 14 x 31.5	29.5 x 25	2170

			Tire Rim & Adapter							
Flexport Part Number	Machine Application	Rim Part Number	Bolt Pattern (No. of Holes / Hole Dia, / Bolt Circle - mm)	Pilot Hole Diameter (mm)	to Axle Torque	Offset				
332-5712	950H/K, 962H/K	323-1707	20 / 26 / 310	262	570 +/- 80 additional 60	21.5				
324-3431	33011/IX, 30211/IX	323-1707	20 / 20 / 310	202	+/- 5 degrees	21.0				
316-0529	966H/K, 972H/K	316-0527	20 / 26 / 375	327	570 +/- 80 additional 60	0				
322-9596	30011/K, 37211/K	310-0327	20 / 20 / 3/3	327	+/- 5 degrees	U				
324-3432	980H/K	323-1708	26 / 26 / 485	420	1000 +/- 25 Nm	200				
324-3433	300∐/K	323-1708	20 / 20 / 463	430	1000 +/- 23 NIII	306				

Flexport	export Machine Cat Adapte		Blank	Blank Adapter		Adapter Hardware			Adapter Outer Bolt	Adapter
Part Number	Part Application Dis	Cat Adapter Disc	Adapter Disc	Mounting Instructions	Bolt (x 20)	Washer (x 40)	Nut (x 20)	Adapter Torque	Pattern (No of Holes / Hole Disc / Bolt Circle -mm)	Disc Weight (kg)
332-5712	950H, 950K,									
324-3431	950M, 962H, 962K, 962M	364-1289	336-8295	ASSEMBLE					20 / 26 / 673.1	58
316-0529	966H, 966K,				7X-2577	267-3507	268-8262	900 +/- 100		
322-9596	966KXE, 966M, 966MXE, 972H, 972K, 972M, 972MXE		316-0526	TO DEEP SIDE OF THE RIM	77. 2077	207-3307	200 0202	Nm	20 / 26 / 625	44

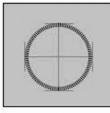
NOTE

In certain machine configurations, Cat Flexport tires may cause the machine to exceed ROPS capacity. To be certain that the machine does not exceed ROPS, the machine should be weighed to verify that the ROPS limits will not be exceeded with Flexport Tires. The ROPS capacity can be found on the cab of the machine.

Head-to-Head Comparison Results



Flexport elliptical design for superior to round design



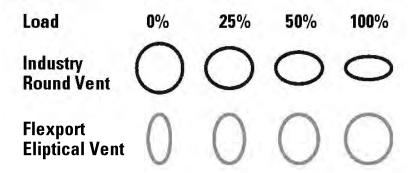
Other tire companies manufacture tires with round holes.

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



Caterpillar designed 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.



Premium Conventional Tires



Cat Premium Conventional tires are engineered to deliver the trademark Cat durability—which says a lot. Skid steer sizes are equipped with the industry's deepest tread depth, thickest side wall (on a premium conventional model), and heaviest rim guard. Cat tires outperform the competition.

Advantages

- · Self-cleaning, open tread design for reduced maintenance time
- Extra large, tapered lugs for traction in slippery conditions and maximum wear life
- Dual side wall construction for puncture and tear protection
- An advanced blend of natural and synthetic rubber and a reinforced bead area for maximum wear life
- · Heavy rim guard reduces potential for damage to tire bead and wheel flange

Applications: Highly Recommended

- Dry Soil
- Snow

Applications: Recommended

- · Rock & Shale
- Quarries
- Rocky Soil
- Wet Soil
- · Sandy Soil

				Infla	ated Dimensi	ons	Load S	pecifications	s @ 5 mph		
Part Number	Tire Width	Wheel Diameter	Ply Rating	Rim Width	Section Width	Outside Diameter	Maximum Inflation	Suggested Inflation	Suggested Inflation	Maximum Load	Tread Depth
					Skid Steer	Loaders					
185-9932	254 mm (10 in)	419 mm (16.5)	8	209 mm (8.2 in)	271 mm (10.7 in)	784 mm (30.9 in)	413kPa (60 psi)	310 kPa (45 psi)	1,800 kg (4,145 lb)	24 kg (52 lb)	19 mm (24/32)
185-9933	304 mm (12 in)	419 mm (16.5 in)	10	247 mm (9.7 in)	312 mm (12.3 in)	838 mm (33 in)	448 kPa (65 psi)	310 kPa (45 psi)	2,542 kg (5,604 lb)	35 kg (77 lb)	21 mm (26/32 in)
238-7740	177 mm (7 in)	381 mm (15 in)	6	139 mm (5.5 in)	203 mm (8 in)	759 mm (29.9 in)	413 kPa (60 psi)	_	15 kg (34 lb)	15 kg (34 lb)	14 mm (18/32 in)
					Backhoe	Loaders	•				
357-1994	317 mm (12.5 in)	457 mm (18 in)	10	228 mm (9 in)	304 mm (12 in)	985 mm (38.8 in)	317 kPa (46 psi)	275 kPA (40 psi)	38 kg (85 lb)	38 kg (85 lb)	25 mm (1 in)
357-1995	467 mm (18 in)	660 mm (26 in)	12	406 mm (16 in)	477 mm (18.8 in)	1,417 mm (55.8 in)	220 kPs (32 psi)	193 kPa (28 psi)	98 kg (217 lb)	98 kg (217 lb)	28 mm (34/32 in)
357-1996	429 mm (16.9 in)	711 mm (28 in)	12	381 mm (15 in)	442 mm (17.4 in)	1,386 mm (54.6 in)	262 kPa (33 psi)	227 kPa (33 psi)	85 kg (187 lb)	85 kg (187 lb)	27 mm (35/32 in)
					Telehar	idlers					
208-8512	394 mm (15.5 in)	635 mm (25 in)	-	304 mm (12 in)	425 mm (16.7 in)	1,316 mm (51.8 in)	399 kPa (58 psi)	372 kPA (54 psi)	88 kg (195 lb)	88 kg (195 lb)	28 mm (34/32 in)
281-6590	330 mm (13 in)	609 mm (24 in)	12	203 mm (8 in)	360 mm (14.2 in)	1,392 mm (54.8 in)	448 kPa (58 psi)	339 kPa (58 psi)	2,721 kg (6,000 lb)	73 kg (161 lb)	23 mm (29/32 in)
281-6591	355 mm (14 in)	609 mm (24 in)	12	254 mm (10 in)	390 mm (15.4 in)	1,392 mm (54.8 in)	427 kPa (65 psi)	372 kPa (54 psi)	3,084 kg (6,800 lb)	92 kg (203 lb)	25 mm (1 in)

Cat Pneumatic Tires

XD Tires

The XD design is tough through and through. From the deep tread and ultra heavy side walls to the extra large rim guard, the XD equips your skid steer to maneuver effectively in the most extreme applications. In fact, the features that make the XD so tough also make it 26 percent heavier. Concrete and demolition, quarries, and asphalt recycling jobs are just some of the rigorous environments where the XD is the clear choice.



Advantages

- 14 ply rating enhances tear and puncture resistance
- 40 percent deeper tread depth than Premium Conventional model ensures long tire life on rough terrain
- Less void between the tread lugs reduces wear by spreading it across a larger surface area
- Superior carcass strength allows the tire to bear up to 1,300 lbs more than competitive models

Applications: Highly Recommended

- Asphalt
- Bricks
- Sand Stone
- · Rock & Shale
- Quarries
- · Rocky Soil

Applications Recommended

- Concrete
- · Scrap Yard
- Gravel
- Dry Soil
- · Wet Soil

				In	flated Dimensi	on	Load Sp	ecifications	@ 5 mph		
Part Number	Tire Width	Wheel Diameter	Ply Rating	Rim Width	Section Width	Outside Diameter	Maximum Inflation	Suggested Inflation	Maximum Load	Tire Weight	Tire Depth
222-3962	254 mm (10 in)	419 mm (16.5 in)	10	209 mm (8.25 in)	264 mm (10.4 in)	777 mm (30.6 in)	517 kPa (75 psi)	275 kPa (40 psi)	1,968 kg (4,340 lb)	37 kg (81 lb)	35 mm (44/32 in)
222-3963	305 mm (12 in)	419 mm (16.5 in)	14	247 mm (9.74 in)	312 mm (12.3 in)	830 mm (32.7 in)	621 kPa (90 psi)	345 kPa (50 psi)	2,540 kg (5,600 lb)	48 kb (105 lb)	35 m (44/32 in)

Premium Conventional Flotation Tires



For work in soft terrain, such as at a nursery, in sand, or some landscape sites, use Cat Premium Conventional Flotation tires. A new industry trend, the flotation design can replace the use of tracks in some applications. Cat Premium Conventional Flotation tires are constructed with the same rugged durability as Cat Premium Conventional tires, but are engineered specifically to create less ground pressure.

The flotation tire design incorporates the traditional lug pattern with a wider footprint to provide a lower ground pressure.

Tire assembly diameter is either 31 or 33 inches, depending on the machine model. The wheel bolt holes are an eight hole pattern on an eight inch bolt circle. This wheel design has an outset of 1.75 inches.

The flotation tires are designed to stay within the larger bucket widths of the Cat machines (66 inch bucket use for 216, 226, 28, 232, and 242 Models or 72 inch bucket use for 236, 246, 248, 252, 262, 268, and 272 Models). The 33-inch flotation tire is also compatible with the 904.

The Cat flotation tire is made like the premium conventional tire, except the tire width is 15.5 inches instead of 10 or 12 inches.

Advantages

- Self-cleaning, open tread design for reduced maintenance time
- · Extra large, tapered lugs for traction in slippery conditions and maximum wear life
- Dual side wall construction for puncture and tear protection
- An advanced blend of natural and synthetic rubber and a reinforced bead area for maximum wear life
- · Heavy rim guard reduces potential for damage to tie bead and wheel flange
- · Wider footprint for better load distribution
- · Stable ride in soft terrain without sinking
- Heavier, 12-ply rating for greater load carrying capacity

Applications: Highly Recommended

- Wet Soil
- · Sandy Soil
- Mud

Applications: Recommended

- Rocky Soil
- Dry Soil
- Snow

				Inflated Dimensions		Load Specifications @ 5 mph					
Part Number	Tire Width	Wheel Diameter	Ply Rating	Rim Width	Section Width	Outside Diameter	Maximum Inflation	Suggested Inflation	Maximum load	Tire Weight	Tread Depth
199-5436	393 mm (15.5 in)	419 mm (16.5 in)	8	304 mm (12 in)	381 mm (15 in)	787 mm (31 in)	241 kPa (35 psi)	206 kPa (30 psi)	2,032 kg (4,480 lb)	28kg (62 lb)	19 mm (24/32 in)
199-5440	393 mm (15.5 in)	419 mm (16.5 in)	12	304 mm (12 in)	381 mm (15 in)	838 mm (33 in)	379 kPa (55 psi)	310 kPa (45 psi)	2,2944 kg (6,490 lb)	38 kg (85lb)	21 mm (26/32 in)