

Cold Planers



Skid Steer Loader Work Tools

	Max drum width
PC3 Cold Planer	305 mm (12 in)
PC4 Cold Planer	406 mm (16 in)
PC6 Cold Planer	610 mm (24 in)
PC9 Cold Planer	812 mm (32 in)

Cat® Cold Planers

High speed drum and conical bits quickly remove asphalt and concrete prior to resurfacing.



Caterpillar® Cold Planers are designed for small to medium size paving jobs in residential and commercial applications. Cold planers are used to economically restore asphalt and concrete paved surfaces to a specified grade or level. They are ideal for milling bumps or imperfections in expanded pavements, removing cracked or deteriorated pavement, removing traffic lane stripes and working on jobs where weight restrictions limit the use of dedicated planers.

Four cold planers are available: the PC3 and PC4 operate efficiently on the standard flow hydraulics of Cat Skid

Steer Loaders, while the PC6 and PC9 are designed specifically for the high flow auxiliary hydraulic circuit and horsepower capabilities of the Cat 228 and 248 models. High flow planers are more productive than standard flow models due to the greater power available to the drum.

Performance and Versatility

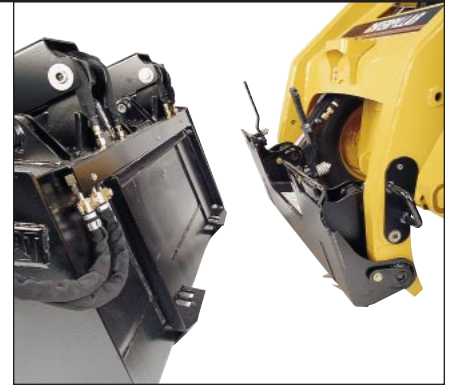
Caterpillar Cold Planers deliver maximum performance and provide smooth, efficient operation when coupled to Cat Skid Steer Loaders. Designed and built to strict Caterpillar standards, they carry with them the proven Caterpillar reputation for performance, versatility and reliability.

Ease of Operation

Caterpillar Cold Planers are designed with the operator in mind. The coupler interface is matched to the Cat Skid Steer Loader's mechanical quick coupler system for fast, secure work tool changes. Hydraulic hose routing, hose length and quick disconnects have been optimized to ensure proper routing and fit-up. Steps are conveniently located to facilitate operator entry and exit. Operation of Cat Cold Planers is easy with Caterpillar joystick controls...virtually everything is at your fingertips.

Features:

- **Two standard flow cold planers** are available: the 305 mm (12 in) maximum drum width PC3 and 406 mm (16 in) maximum drum width PC4. Standard flow planers are primarily used for "utility planing" and are productive to cutting depths up to 51 mm (2 in) in asphalt and 10 mm (0.38 in) in concrete.
- **Two high flow cold planers** are available: the 610 mm (24 in) maximum drum width PC6 and the 812 mm (32 in) maximum drum width PC9. High flow planers are used for "high production planing" and are productive to depths greater than 76 mm (3 in) in asphalt and up to 16 mm (0.63 in) for concrete.
- **Direct drive system** on the PC3 and PC4 features a variable speed, unidirectional, gerotor style hydraulic motor that delivers the right mix of cutting bit speed and drum torque for efficient performance.
- **Planetary drive system** on the PC6 and PC9 features a variable speed, unidirectional, axial piston style hydraulic motor that mounts directly to a double reduction gearbox for optimal cutting bit speed and maximum drum torque for maximum milling performance. The planetary gear box is mounted inside the planer drum, enabling the inertia generated by the drum to dampen load spikes for smoother cutting operation.
- **Four pivoting skids** on the cold planer chassis provide a stable platform when planing, reduce material pickup, limit ground pressure and enable smooth travel.
- **Side guards**, integrated into the two front skids on the PC6 and PC9 limit spoils from exiting the sides of the planer during operation and contain it within the cut.
- **Optimal drum bit pattern and standard all-purpose conical bits** provide maximum cutting performance and efficiency, while ensuring superior surface texture.
- **Hydraulic sideshift** is standard on all Cat Cold Planers, allowing close planing to curbs, walls and other obstructions. Sideshift on PC3 and PC4 is controlled using a manual selector valve located on the main carriage of the planer; sideshift on the PC6 and PC9 is controlled from the operator's compartment using the standard flow auxiliary hydraulic circuit selector control.
- **Tilt and depth functions** help ensure precision beveling and pavement removal. Tilt and depth on the PC3 and PC4 are manually adjustable. Tilt is accomplished through an exclusive ratcheting screw jack, and depth control is accomplished with a hand crank on the front of the planer housing. Tilt and depth on the PC6 and PC9 are adjustable using hydraulic cylinders that are controlled from the operator's compartment using an electrohydraulic valve.
- **Caterpillar XT and medium pressure hose, couplings, and O-ring face seals** provide superior leak free performance and reliability. All hoses are wrapped with nylon woven Cordura sleeving for added operator protection. Hydraulic quick disconnects enable fast tool changes.
- **Optional drum widths** are available for the PC3 and PC4 for specialty planing jobs.
- **Optional concrete bits** are available for all Cat Cold Planers for aggressive concrete milling.
- **Optional water sprinkler** kits are available for all Cat Cold Planers for dust suppression.



Quick Coupler

Caterpillar Skid Steer Loader Work Tools incorporate an interface that matches the Caterpillar machine's integrated mechanical quick coupler system. The rugged, opposing wedge design holds the work tool tightly and allows the operator to quickly change from one high performance Cat Work Tool to another.

Serviceability

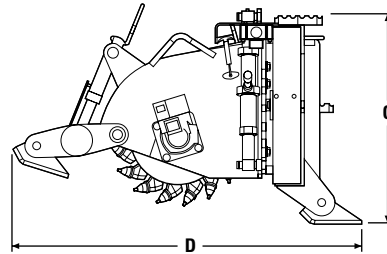
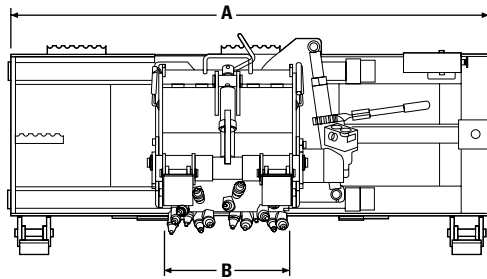
Cat Cold Planers utilize proven components such as Caterpillar hose, couplings, O-ring face seals, hardware and replaceable conical bits. A full line of replacement parts is readily available from your Cat dealer to help extend work tool system life.

Customer Support

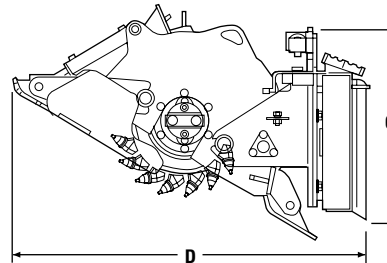
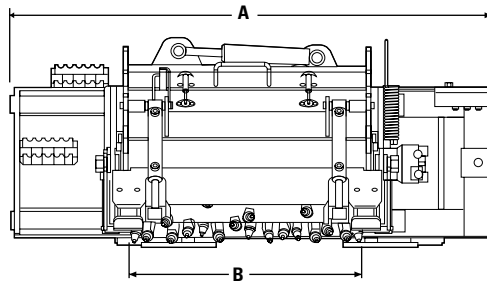
Caterpillar is always ready to assist you in matching the right work tool to your application or machine, adding more Cat Work Tools to your lineup or obtaining responsible, knowledgeable support.

Dimensions

PC3/PC4



PC6/PC9



	PC3 Cold Planer	PC4 Cold Planer	PC6 Cold Planer	PC9 Cold Planer
A Overall width	1676 mm (66 in)	1676 mm (66 in)	1676 mm (66 in)	1676 mm (66 in)
B Maximum drum width	305 mm (12 in)	406 mm (16 in)	610 mm (24 in)	812 mm (32 in)
C Overall height	762 mm (30 in)	762 mm (30 in)	810 mm (32 in)	810 mm (32 in)
D Length	1168 mm (46 in)	1168 mm (46 in)	1320 mm (52 in)	1320 mm (52 in)
Weight	481 kg (1060 lb)	522 kg (1150 lb)	900 kg (1984 lb)	915 kg (2017 lb)
Drive method	Gerotor motor — direct drive	Gerotor motor — direct drive	Piston motor — double reduction planetary	Piston motor — double reduction planetary
Required hydraulic flow range	53-83 l/min (14-22 gpm)	53-83 l/min (14-22 gpm)	95-125 l/min (25-33 gpm)	95-125 l/min (25-33 gpm)
Optimal hydraulic pressure range	172-227 bar (2500-3300 psi)	172-227 bar (2500-3300 psi)	193-345 bar (2800-5000 psi)	193-345 bar (2800-5000 psi)
Drum torque @ max pressure	1131 N•m (832 lb-ft)	1429 N•m (1051 lb-ft)	4015 N•m (2952 lb-ft)	4015 N•m (2952 lb-ft)
Drum speed @ max flow	267 rpm	212 rpm	171 rpm	171 rpm
Bit speed @ max flow	395 mpm (1295 fpm)	313 mpm (1026 fpm)	296 mpm (969 fpm)	296 mpm (969 fpm)
Conical bits	28 per 305 mm (12 in) drum	50 per 406 mm (16 in) drum	70 per 610 mm (24 in) drum	85 per 812 mm (32 in) drum
Standard bit type	All purpose	All purpose	All purpose	All purpose
Optional bit type	Concrete	Concrete	Concrete	Concrete
Maximum depth of cut	127 mm (5 in)	127 mm (5 in)	152 mm (6 in)	152 mm (6 in)
Optional drum widths	64 mm (2.5 in) 102 mm (4 in) 152 mm (6 in)	64 mm (2.5 in) 102 mm (4 in) 152 mm (6 in)	Not currently available	Not currently available
Cut diameter	470 mm (18.5 in)	470 mm (18.5 in)	549 mm (21.6 in)	549 mm (21.6 in)
Tilt angle range	±19°	±19°	±15°	±15°
Sideshift travel	559 mm (22 in)	559 mm (22 in)	600 mm (23.6 in)	600 mm (23.6 in)

Compatibility

Following are the recommended and approved Cat Skid Steer Loader/Cold Planer combinations for maximum system performance.

Model	PC3 Cold Planer	PC4 Cold Planer	PC6 Cold Planer	PC9 Cold Planer
216 Skid Steer Loader	●	!	!	!
226 Skid Steer Loader	●	■	!	!
228 Skid Steer Loader	●	■	●†	■†
236 Skid Steer Loader	●	●	!	!
246 Skid Steer Loader	●	●	!	!
248 Skid Steer Loader	●	●	●	●

- Provides optimum system performance.
- Provides acceptable system performance.
- ! Not approved. Do not use. PC6 and PC9 require high flow hydraulics.
- † Lift Restriction! Do not raise lift arm work tool hinge pin higher than 1 m (3 ft) above ground. Tipping can result.

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AEHQ5347-01 (2-00)
(Replaces AEHQ5347)

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Materials and specifications are subject to change without notice.
Featured machines in photos may include additional equipment.
See your Caterpillar dealer for available options.

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