

# Wheel Saws



## Skid Steer Loader Work Tools

	SW45	SW60
Dig Depth	150-450 mm (6-18 in)	200-600 mm (8-24 in)
Hydraulic Flow Range	90-160 L/min (24-42 gal/min)	100-160 L/min (26-42 gal/min)

## Cat® Wheel Saws

*High-speed wheel and conical bits quickly cut trenches in asphalt, reinforced concrete, and rocky or frozen ground.*



Caterpillar® Wheel Saws are designed for high performance trench cutting on a variety of hard or compact surfaces such as asphalt, reinforced concrete, and rocky or frozen ground. Caterpillar Wheel Saws allow for saw cutting and trenching to be performed in one pass with one work tool. Caterpillar Wheel Saws are ideal for asphalt patch cutting, road expansion joint cuts, and utility trenching for gas, sewer, water, electrical, cable, and fiber optics installation and repair.

Caterpillar offers two sizes of Wheel Saws. The SW45 and SW60 are designed specifically for the high flow auxiliary hydraulic circuit and horsepower capabilities of the Cat 248 High Flow Skid Steer Loader to deliver maximum performance and cutting efficiency.

### **Performance and Versatility**

Caterpillar Wheel Saws deliver maximum performance and provide smooth, efficient operation when coupled to Cat High Flow 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 Wheel Saws are designed with the operator in mind. The coupler interface is matched to the Cat Skid Steer Loader's 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 Wheel Saws is easy with Caterpillar joystick controls... virtually everything is at your fingertips.

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## Features:

- **Two high flow models are available:** the SW45 with a maximum cutting depth of 450 mm (18 in), and the SW60 with a maximum cutting depth of 600 mm (24 in).
- **SW45 available in three wheel widths:** 80 mm (3 in), 160 mm (6 in), and 200 mm (8 in). All models come with standard deflective plates. The larger width models feature a standard hydraulic trench-cleaning device.
- **SW60 available in two wheel widths:** 160 mm (6 in) and 200 mm (8 in). Both models come standard with a hydraulic trench-cleaning device and wide deflector plates.
- **Direct drive system** features a hydraulic piston pump motor to ensure maximum cutting rate and wheel torque for optimal production performance and efficiency.
- **Hydraulic side shift and depth control** is standard on all models and is controlled from the operator's compartment. Hydraulic side shift allows wheel positioning from center to 650 mm (25.5 in) right of center. This allows for cutting close to curbs, walls, and other obstructions and minimizes need to reposition the machine.
- **Trench cleaning device** is hydraulically operated from the operator's compartment. The blade can be controlled up and down to remove spoil and ensure a clean trench.
- **Deflector plates** remove spoil from the machine's path, for smooth operation. Spoil can be discharged left, right, or on both sides of the wheel saw with installation of included blanking plates.
- **Concrete bits** are standard on all models. Optional all purpose conical bits are available for all Cat Wheel Saws for tarmac and asphalt applications.

## Quick Coupler

Caterpillar Skid Steer Loader Work Tools incorporate an interface that matches the machine's integrated mechanical and hydraulic quick coupler systems. Quick attach mounting allows for easy work tool conversion, increasing skid steer loader versatility.

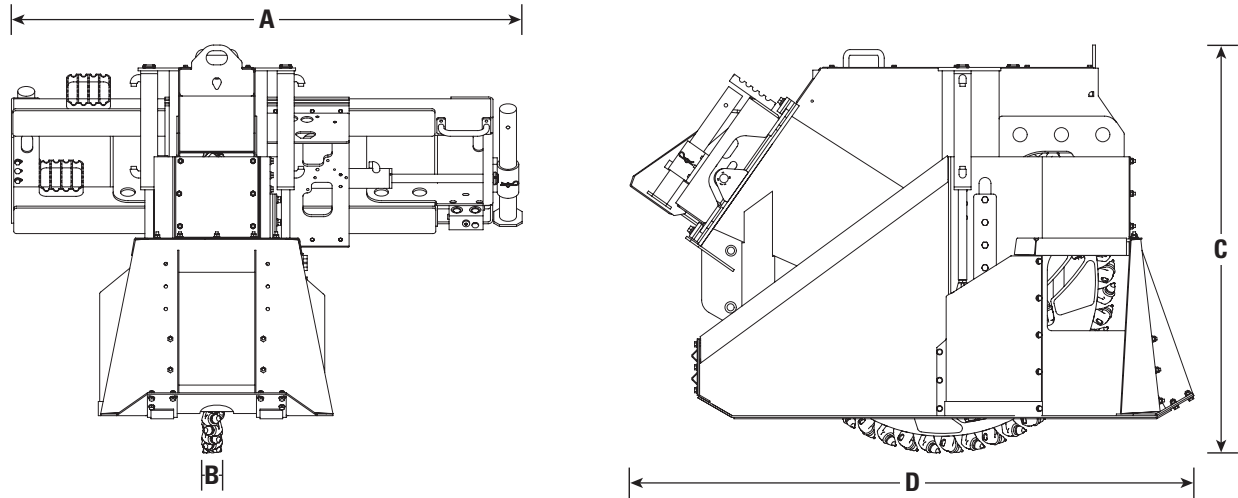
## Serviceability

Caterpillar Wheel Saws utilize proven components such as Caterpillar couplings, O-ring face seals, 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

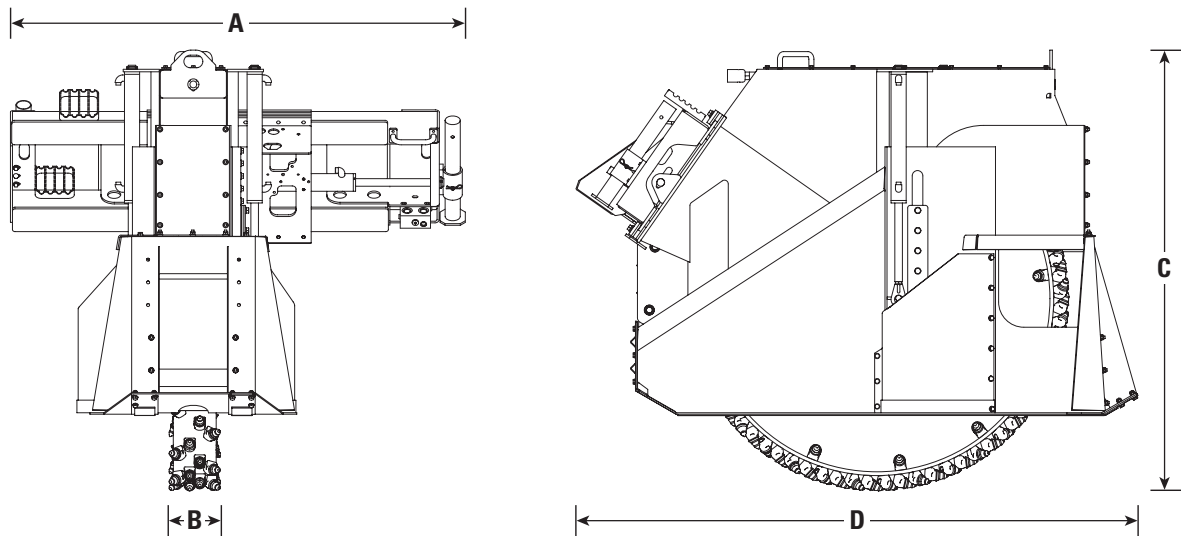
Caterpillar is always ready to assist you in matching the right work tool to your application or machine, adding more Cat Work Tools to your lineup or obtaining responsible, knowledgeable support.

# Specifications



<b>SW45</b>	<b>80 mm (3 in)</b>	<b>160 mm (6 in)</b>	<b>200 mm (8 in)</b>
<b>A</b> Overall width	1803 mm (71 in)	1803 mm (71 in)	1803 mm (71 in)
<b>B</b> Maximum wheel width	80 mm (3 in)	160 mm (6 in)	200 mm (8 in)
<b>C</b> Overall height	1440 mm (57 in)	1435 mm (56 in)	1435 mm (56 in)
<b>D</b> Length	1992 mm (78 in)	1992 mm (78 in)	1992 mm (78 in)
Weight	1004 kg (2213 lb)	932 kg (2054 lb)	961 kg (2118 lb)
Trench cleaning device	No	Yes	Yes
Drive method	Piston motor/Planetary	Piston motor/Planetary	Piston motor/Planetary
Required hydraulic flow range	90-160 l/min (24-42 gpm)	90-160 l/min (24-42 gpm)	90-160 l/min (24-42 gpm)
Optimal hydraulic pressure range	180-300 bar (2611-4351 psi)	180-300 bar (2611-4351 psi)	180-300 bar (2611-4351 psi)
Wheel torque @ max pressure	1131 N·m (832 lb-ft)	1429 N·m (1051 lb-ft)	1429 N·m (1051 lb-ft)
Wheel speed @ max flow	267 rpm	212 rpm	212 rpm
Bit speed @ max flow	395 mpm (1295 fpm)	313 mpm (1026 fpm)	313 mpm (1026 fpm)
Conical bits	64 per wheel	56 per wheel	62 per wheel
Standard bit type	Concrete	Concrete	Concrete
Optional bit type	All purpose	All purpose	All purpose
Maximum depth of cut	450 mm (18 in)	450 mm (18 in)	450 mm (18 in)
Sideshift travel	650 mm (26 in)	650 mm (26 in)	650 mm (26 in)

# Specifications



SW60	160 mm (6 in)	200 mm (8 in)
<b>A</b> Overall width	1866 mm (74 in)	1866 mm (74 in)
<b>B</b> Maximum wheel width	160 mm (6 in)	200 mm (8 in)
<b>C</b> Overall height	1746 mm (69 in)	1746 mm (69 in)
<b>D</b> Length	2230 mm (88 in)	2230 mm (88 in)
Weight	1169 kg (2577 lb)	1192 kg (2628 lb)
Trench cleaning device	Yes	Yes
Drive method	Piston motor/Planetary	Piston motor/Planetary
Required hydraulic flow range	100-160 l/min (26-42 gpm)	100-160 l/min (26-42 gpm)
Optimal hydraulic pressure range	180-300 bar (2611-4351 psi)	180-300 bar (2611-4351 psi)
Wheel torque @ max pressure	1429 N•m (1051 lb-ft)	1429 N•m (1051 lb-ft)
Wheel speed @ max flow	212 rpm	212 rpm
Bit speed @ max flow	313 mpm (1026 fpm)	313 mpm (1026 fpm)
Conical bits	96 per wheel	96 per wheel
Standard bit type	Concrete	Concrete
Optional bit type	All purpose	All purpose
Maximum depth of cut	600 mm (24 in)	600 mm (24 in)
Sideshift travel	650 mm (26 in)	650 mm (26 in)

# Wheel Saws

## Skid Steer Loader Work Tools

### Compatibility

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

Model	SW45 Wheel Saw 80 mm (3 in)	SW45 Wheel Saw 160 mm (6 in)	SW45 Wheel Saw 200 mm (8 in)	SW60 Wheel Saw 160 mm (6 in)	SW60 Wheel Saw 200 mm (8 in)
228 Skid Steer Loader	■†	■†	■†	!	!
248 Skid Steer Loader	●	●	●	●†	●†

- Provides optimum system performance.
- Provides acceptable system performance.
- ! Not approved. Do not use.
- † Lift Restriction! Do not raise lift arm work tool hinge pin higher than 1 m (3 ft) above ground. Tipping can result. Rear counterweights required.

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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.

