

Work Tools

Compact Wheel Loaders



Pallet Forks

Carriage Width	1300 mm
Tine Length	1120 mm

Hydraulic Angle Broom

Broom Width	2200 mm
Operating Width at 30 degree angle	1900 mm

Hydraulic Pick-Up Sweeper

Working Width	2200 mm
---------------	---------

Bucket Width

General Purpose	1770 - 2050 mm
Light Material	1870 - 2050 mm
Stone Sieve	1770 - 2050 mm
Multi Purpose	1770 - 2050 mm
Side Dump	1870 - 2050 mm
High Dump	1770 - 2050 mm

Caterpillar® Work Tools

Designed for maximum performance, versatility and long life.

A broad range of Caterpillar Work Tools have been developed specifically for Caterpillar Compact Wheel Loaders to deliver exceptional performance, versatility, serviceability and customer support. The integrated QuickLock hydraulic coupler allows the operator to quickly change from one high performance work tool to another.

General purpose, light material, stone sieve, multi purpose and high dump buckets are available for the 902, 906 and 908. There is also a right side dump bucket available for the 906 and 908. Pallet forks, a hydraulic angle broom and a hydraulic pick-up sweeper are also available for the 902, 906 and 908.

Performance and Versatility. The mouldboard design of each bucket has been optimized to provide superior loading in a wide variety of applications. Maximizing the use of available machine rimpull, weight and breakout force allows Caterpillar Work Tools to obtain consistently superior bucket payloads. Material retention is high in the rack back/carry position. The bucket design, combined with highly responsive hydraulics, allows the machine to have quick cycle times by controlling the amount of material being dumped. Caterpillar Ground Engaging Tool (G.E.T.) options allow the customer to match the right G.E.T. to the right application while achieving superior G.E.T. life.



Serviceability. Caterpillar buckets utilize proven components such as Caterpillar's XT hose, cylinders, O-ring face seals and cutting edges. Each of these components are easily replaceable, extending bucket life.

Customer Support. Whether it is matching the right work tool to the right application or obtaining responsive and knowledgeable support, Caterpillar dealers are ready to assist you.

Caterpillar Ground Engaging Tools are productive, durable and provide long wear life.

- **Cat single strap bolt-on unitooth** is preferred for the majority of applications. Single strap top-mounted tooth design provides a smooth bucket bottom. Bolt-on tooth design allows for quick changing of teeth, increasing versatility.
- **Cat pin-on tips** are used with flush mounted weld-on adapters. General duty long tips are standard, with other tips available for specialty applications.
- **Cat bolt-on or weld-on cutting edges** are produced from tough DH-2 steel. These cutting edges provide the right balance of edge wear life while protecting the base edge.

See G.E.T. options on page 7.



General Purpose Bucket

Designed for superior performance.

Caterpillar General Purpose Buckets have been designed to optimize performance of the Caterpillar Compact Wheel Loader in loading, carrying, leveling, grading and dumping in a wide variety of applications and materials.

- **Optimized bucket geometry:** long bucket floor length combined with large radius back wrapper, provides superior material loading and dumping, resulting in greater payloads and quicker cycle times.
- **Upper and lower torque tubes and thick side walls** provide added strength and increased durability in aggressive applications.
- **Spill plate** ensures maximum bucket capacity while minimizing spillage.
- **Hardened front base edge and side cutters** provide extended life.
- **Hardened rear edge** provides flexibility for grading when back dragging, while also providing an excellent wear surface to increase life.

Ground Engaging Tool (G.E.T.) Options:

- Bolt-on teeth
- Bolt-on cutting edge
- Weld-on adapter/pin-on tips
- Weld-on cutting edge



Light Material Bucket

High capacity increases productivity in handling light materials.

Caterpillar Light Material Buckets leverage many of the same features found in the General Purpose Bucket but with higher volume capacities to handle less dense materials such as top soil, fertilizer, feed, wood chips and many more.

Ground Engaging Tool (G.E.T.) Options:

- Bolt-on cutting edge



Stone Sieve Bucket

Ribbed design is ideal for paving stone work.

Caterpillar Stone Sieve Buckets are designed for excavation, hauling and removal of paving and masonry stones. The square ribbed design allows for easy sifting of fine materials. The 70 mm spacing between ribs is ideal for the majority of applications. Each rib is reinforced along the back to provide superior durability.

Ground Engaging Tool (G.E.T.) Options:

- Bolt-on teeth
- Bolt-on cutting edge



Multi Purpose Bucket

Clam design enables superior performance in a wide variety of applications.

Caterpillar Multi Purpose Buckets bring the same excellent loading, reliability and durability characteristics as other Caterpillar Compact Wheel Loader Work Tools, with the added versatility for digging, dozing, clamping, grading and leveling in a broad range of applications.

- **Excellent clamping force** allows the bucket to grasp large objects such as tree trunks, pipes, construction and demolition debris, increasing the functionality of the bucket.
- **Serrated side edge** of the clam provides a gripping surface to hold material.
- **Clam opens a full 83°** to allow the bucket to be used as a dozing blade. The clam angle indicator shows the degree to which the bucket is open.
- **Dozing edge** is reversible and also interchangeable with the front bolt-on cutting edge.
- **Hinge pin grease points** are located at the pin ends outside the bucket for easy access and maintenance.

Ground Engaging Tool (G.E.T.) Options:

- Bolt-on teeth
- Bolt-on cutting edge
- Weld-on adapter/pin-on tips
- Weld-on cutting edge



Side Dump Bucket

Right side dump capability provides versatility in tight-quarters operation.

When connected to a 906 or 908 Caterpillar Compact Wheel Loader, the Caterpillar Side Dump Bucket is the perfect match to meter bedding materials into a trench or load a truck in a confined area. The right side dump bucket handles stockpiled materials with ease and makes quick work of the task at hand.

- **Bucket retracts firmly** into a V-slot when in the closed position, seating the bucket against the backstop. The V-slot design allows for maximum breakout force when the bucket is applied in the digging position.
- **Locking pin** locks the bucket into place for roading. The locking pin holder, located on the bucket side wall, stores the locking pin when not in use and does not interfere with bucket operation.
- **Three grease points** allow for complete servicing of the bucket.
- **Hydraulic cylinder rod ends** have spherical bushings to minimize the effects of off-center loading and provide extended life.
- **Plated pins** provide extended wear life and corrosion protection.

Ground Engaging Tool (G.E.T.) Options:

- Bolt-on teeth
- Bolt-on cutting edge



High Dump Bucket

High dump design allows greater machine dump height capability.

Caterpillar High Dump Buckets give the extra dump height needed to clear truck side walls and hoppers. The high dump bucket maximizes the performance needed for loading a wide variety of materials such as paper and pulp.

- **Heavy duty side arms** provide extended dump height while transferring loads to a robust rear torque tube.
- **Wear strips** are included on the rear of the wrapper surface to increase bucket life and provide a firm contact area for the bucket when it is retracted.
- **Six grease points** allow for complete servicing of the bucket.
- **Hydraulic cylinder rod ends** have spherical bushings to minimize the effects of off-center loading.
- **Plated pins** provide extended wear life and corrosion protection.

Ground Engaging Tool (G.E.T.) Options:

- Bolt-on teeth
- Bolt-on cutting edge



Pallet Forks

Forks designed to meet your material handling needs.

Caterpillar Pallet Forks meet a variety of material handling needs. These Class II (for the 902 and 906) and Class III (for the 908) rated forks have been designed to provide optimal performance when coupled with the Caterpillar 902, 906 and 908 Compact Wheel Loaders.

- **Smooth parallel lift** is provided by the compact wheel loader VersaLink design.
- **Hook rail-type carriage design** increases efficiency by allowing the forks to be locked into place. Two retention bolts located at each end of the top carriage rail retain the forks on the rails and allow easy fork change.
- **Additional axle counterweights** are available to increase lifting capacity.



Hydraulic Angle Broom and Pick-Up Sweeper

Enables effective cleaning of roads and other finished surfaces

Coupled with a Caterpillar Angle Broom or Pick-up Sweeper, a Caterpillar Compact Wheel Loader provides an effective solution for clean up operations.

- **Innovative suspension system** completely eliminates the need for supporting wheels. Suspension of the sweeper provides even contact and pressure against the ground, which reduces brush wear and insulates against bumps, grooves, kerb stones or rail tracks.
- **One direct acting hydraulic motor** contributes to high efficiency and low maintenance costs.
- **Choice of beveling, 30 degrees left/right** allows greater versatility.
- **Easy to replace brush elements and maintenance free broom bearings** for more efficient maintenance.
- **Two parking supports** provide stable and secure parking for the BA22.
- **Electric power water sprinkler system** is fitted on the pick-up sweeper as standard for dust control.

Optional equipment for the Angle Broom

- Water sprinkling system with 400 liter capacity
- Electrically operated selector valve for hydraulic angling at 30 degrees left/right



QuickLock Hydraulic Coupler

Exclusive system allows tool change in seconds.

The operator can make fast, easy work tool changes from inside the cab. Solid connections are assured every time with the QuickLock Hydraulic Coupler.

- **Opposing wedge design** results in tight tool fit.
- **Constant hydraulic pressure** compensates for wear.
- **Check valves** maintain tight engagement.
- **Rugged design** has large contact area to absorb loads and minimize stress.



Specifications

Hydraulic Angle Broom and Hydraulic Pick-up Sweeper

Model	BA22	BP22
Total width	2400 mm	2400 mm
Broom width	2200 mm	–
Operating width at 30 degree angle	1900 mm	–
Working width	–	2200 mm
Brush diameter	700 mm	700 mm
Height excluding hooks	–	1300 mm
Water tank volume	–	400 liters
Effective waste volume	–	360 liters
Weight empty including hooks	430 kg	560 kg
Weight, filled water tank and waste container	–	1500 kg
Maximum oil flow	130 l/min	130 l/min

Caterpillar Ground Engaging Tool (G.E.T.) Options

	Base edge	Seven bolt-on teeth	One-piece bolt-on cutting edge	Seven weld-on adapter/pin-on tips	One-piece weld-on cutting edge
General Purpose Bucket	Standard	Option	Option	Option	Option
Light Material Bucket	Standard		Option		
Stone Sieve Bucket	Standard	Option	Option		
Multi Purpose Bucket	Standard	Option	Option	Option	Option
Side Dump Bucket	Standard	Option	Option		
High Dump Bucket	Standard	Option	Option		

The base cutting edge comes standard with pre-drilled holes to allow for the addition of Caterpillar bolt-on teeth and bolt-on cutting edges which can be ordered with the bucket or added later. Buckets ordered with weld-on adapter/pin-on tips or weld-on cutting edges will be provided with a base cutting edge without pre-drilled holes.

Specifications Compact Wheel Loader Work Tools

		General Purpose Bucket			Light Material Bucket			Stone Sieve Bucket			Multi Purpose Bucket			Side Dump Bucket*	
		902	906	908	902	906	908	902	906	908	902	906	908	906	908
Machine model ¹															
Rated bucket capacity ²	m ³	0.6	0.8	1.0	1.0	1.2	1.5	0.6	0.7	0.9	0.6	0.7	0.9	0.7	0.9
Weight ³	kg	327	358	430	404	438	540	381	424	521	567	621	650	590	681
Width	mm	1770	1870	2050	1870	1940	2050	1770	1870	2050	1770	1870	2050	1870	2050
Dump height	mm	2340	2425	2637	2205	2280	2429	2340	2425	2637	2340	2425	2648	2325	2496
Digging depth	mm	50	85	75	50	85	75	–	–	–	50	85	75	85	75
Jaw opening	mm	–	–	–	–	–	–	–	–	–	865	865	865	–	–

		High Dump Bucket		
		902	906	908
Machine model ¹				
Rated bucket capacity ²	m ³	0.6	0.7	0.9
Weight ³	kg	531	567	690
Width	mm	1770	1870	2050
Dump height with bucket retracted	mm	2340	2425	2595
Dump height with bucket cylinders fully extended	mm	3300	3490	3670
Digging depth	mm	50	85	–

		Pallet Forks		
		902	906	908
Machine model ¹				
Rated operating load ⁵	kg	1625	1950	2362
Fork tine class ⁴		II	II	III
Carriage width	mm	1300	1300	1300
Tine length	mm	1120	1120	1120
Total pallet fork weight (carriage and tines)	kg	215	215	356
Lift height	mm	2890	3010	3255

¹ The above shows the recommended Caterpillar Work Tool offerings for each size of Caterpillar Compact Wheel Loader based off of specific material densities and corresponding impact to rated operating load.

² Heaped rated bucket capacities shown are as per ISO7546: 1983 and SAE J742 Feb85.

³ Weight shown is with base edge only. Cutting edge or teeth weight is not included.

⁴ Forks conform to ISO 2328:1993 and ASME B56.114a-1994.

⁵ Rated operating load shown conforms to EN-474-3 firm and level ground, 1.25 stability.

* Not compatible with the 902 Compact Wheel Loader.

Maximum Material Densities

	Rated capacity			Maximum material density		
	902	906	908	902	906	908
General Purpose Bucket	0.6 m ³	0.8 m ³	1.0 m ³	2100 kg/m ³	1850 kg/m ³	1880 kg/m ³
Light Material Bucket	1.0 m ³	1.2 m ³	1.5 m ³	1230 kg/m ³	1200 kg/m ³	1195 kg/m ³
Stone Sieve Bucket	0.6 m ³	0.7 m ³	0.9 m ³	2050 kg/m ³	2000 kg/m ³	2050 kg/m ³
Multi Purpose Bucket	0.6 m ³	0.7 m ³	0.9 m ³	1900 kg/m ³	1730 kg/m ³	2000 kg/m ³
Side Dump Bucket	–	0.7 m ³	0.9 m ³	–	1850 kg/m ³	1880 kg/m ³
High Dump Bucket	0.6 m ³	0.7 m ³	0.9 m ³	2000 kg/m ³	2000 kg/m ³	1960 kg/m ³

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

HEHX5304-1 (1199) hr

© 1999 Caterpillar

CATERPILLAR[®]