

545 Skidder



Featured machines may include additional equipment applicable only for special applications. See your Caterpillar dealer for available options.

Cat® 3306 DITA Engine

Gross Power	168 kW	225 hp
Wheel Base	3838 mm	151.1 in
Grapple Capacity	1.5 m ²	16 ft ²
Operating Weight	18 217 kg	40,161 lbs

545 Skidder

The 545 Skidder is built to exceed all expectations for skidding performance, reliability and comfort while maximizing productivity.

Powertrain

The field-proven Cat 3306 DITA diesel engine, heavy-duty torque converter with lock-up, new five speed transmission and re-engineered differential lock system provide higher horsepower to the ground to maximize performance and productivity. **pg. 4**

Application Flexibility

The 545 Skidder provides unsurpassed performance and application flexibility due to improved balance, torque converter with lock-up powertrain, ground clearance and an extended wheelbase. **pg. 5**

Cradled Front Axle

This enhanced design provides a weight forward balance for outstanding grapple and cable skidding performance while providing a comfortable ride for the operator. **pg. 6**

Engineered for demanding work.

This skidder is a state-of-the-art machine that represents Caterpillar's commitment to the logging industry.

Reliable, durable operation.

Rugged construction and easy maintenance provide long hours of service with the low operating costs you expect from Cat machines.



Load-Sensing Hydraulic System

The load sensing hydraulic system reduces horsepower consumption and system heat. A single lever controls grapple and tong hydraulics, reducing operator efforts for improved productivity. Exclusive Auto-Grab hydraulics maintain constant tong gripping pressures to compensate for shifting loads. **pg. 7**

Operator Environment

Ergonomically engineered to provide the operator increased comfort, spaciousness and viewing area. Operator productivity is also increased with low effort, fingertip implement, steering, and transmission controls, reduced sound levels, improved lighting and easier entry and exit. **pg. 8-9**

Serviceability

Easily perform maintenance jobs with easy access to major service points such as oil levels and fills, grease fittings, refueling, sight gauges, filters and electrical breakers. A diagnostic connector allows quick electronic analysis. **pg. 11**

Durable Structures

Durable box section mainframe and decking blade which absorbs twisting and impact forces to provide a sound foundation and well-balanced system for the entire structure. Tapered roller bearing, lower hitch-pin and standard belly guards provide increased durability and reliability. **pg. 10**

Complete Customer Service

In addition to machine selection, a Cat dealer offers a wide range of services, from purchase options to operator training, maintenance programs and the most sophisticated parts delivery system in the industry. **pg. 11**



Skidder Performance

Caterpillar power train provides relentless pulling power for the 545.



- Cat 3306 DITA engine** continues its tradition of powerful, efficient performance and unmatched reliability and durability. The six-cylinder engine is turbocharged and aftercooled with a high displacement of 10.5 liters. This large displacement produces better pulling capability, lower internal stresses and extended component life.
- Best in class and highest displacement engine available in a wheel skidder.
 - Stylish and functional radiator guards and engine covers maximize air flow to the engine and radiator for reliable operation in hot operating conditions.
 - Centrifugal pre-cleaner removes large debris before it reaches the air cleaner for excellent engine protection and reduced air cleaner service requirements in harsh logging environments.
 - Direct-injection fuel system uses adjustment-free unit fuel injectors for efficient, accurate fuel metering, reduced emissions, reliable power high torque rise and responsive performance.
 - Oil-cooled pistons increase heat dissipation and promote longer piston life.
 - Full-length water cooled cylinder liners provide maximum heat transfer.

- Turbocharger enhances performance and engine efficiency, especially at high altitudes by packing more air in the cylinders for excellent combustion.
- Jacket water aftercooler reduces smoke and emissions by providing a cooler, more efficient combustion. This also extends the life of the piston rings and bore.

Large, heavy duty torque converter provides torque multiplication which, when combined with the high torque rise of the 3306, provides excellent skidding power and speed.

- Fluid coupling allows the engine to run in its optimal RPM range, assuring full available power can be applied to skidding.
- Reduces operator need for continuous shifting.

New lock-up torque converter features

- The Caterpillar torque converter is a single-stage unit with free-wheeling stator. A ring gear mounted on the engine flywheel drives the torque converter, which has an integral lock-up clutch to allow the machine to operate in converter drive or direct drive for high efficiency hauling and reduced shock loads to drive train.
- Less operator effort and interaction is required to match transmission speed range to skidding requirements.

- Torque converter is well suited for the high breakout loads and high speeds of grapple skidding.
- Torque converter with lock-up provides direct drive to wheels.
- Allows fast acceleration and delivers exceptional power through soft underfoot conditions.
- Automatic lock-up provides fuel-efficient, direct-drive hauling.
- Caterpillar proven technologies feature first time engineering for any wheel skidder.

Five-speed transmission easily matches power to the load size and ground conditions. Five working gears forward provide application flexibility.

- Gears one and two provide industry leading pull capability for heavy load and steep grade applications.
- Gear three is for lighter loads and higher speed operations.
- Gears four and five provide excellent empty return capability.
- Extremely easy to use transmission controls, with forward-neutral-reverse fingertip control trigger and speed range controls located on the steering wheel.

Hydraulically engaged differential locks significantly expand the operating range of the 545.

- Fingertip selectable.
- On-the-go engagement capability means there is no need to stop to engage or disengage the differential locks.
- Improved performance in soft underfoot conditions.
- Reduced tire scrubbing for longer tire life.
- Smaller turning radius for improved maneuverability.
- New piston design and fluid control circuitry uses hydraulic oil to control and actuate differential locks.
- Axle oil is not used for differential lock application.

Application Flexibility

The 545 can easily handle the variety of tasks for today's loggers.



For the ultimate in skidder flexibility the 545 is available with cradle oscillation that isolates the cab from axle movement for a smoother more comfortable ride.



Expanded light options allow the 545 to maintain skidding performance and productivity at any hour.



Excellent ground clearance of 606 mm (23.8") allows the 545 to readily avoid obstacles, maneuver in poor underfoot conditions and work effectively and efficiently on snow covered sites.

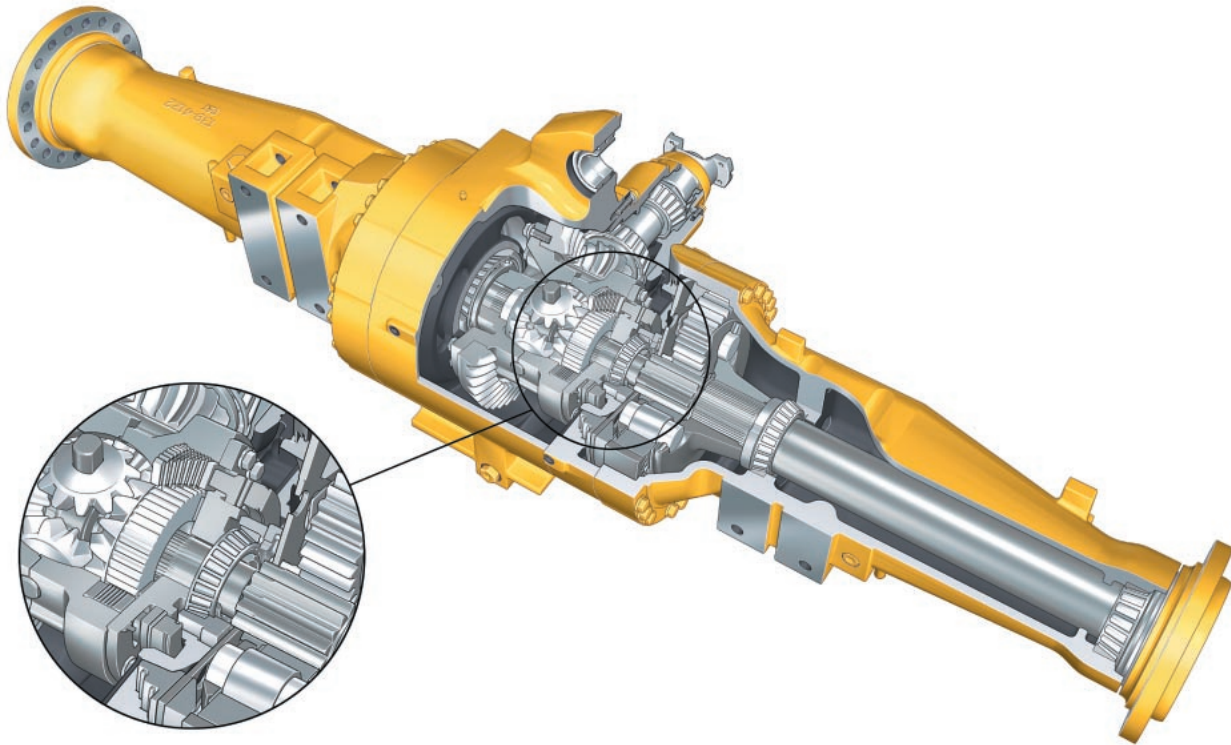


The 545 has the horsepower and wheelbase to handle dual-function arch and large capacity bunching grapples. With excellent balance and outstanding visibility, the dual-function arch produces forward and aft movement providing extra reach for picking up logs or for reaching over obstacles. It also positions loads forward for traction and stability.

Axle Design

State-of-the-art engineering sets the standard for reliability and durability.

Exclusive front axle cradle provides outstanding skidder balance and superior ride.



Robust components provide outstanding reliability and durability.

Axles are:

- Engineered for the 545.
- Four piece inboard planetary and brake.
- Rugged housing, bearings and shafts.
- Differential locks provide maximum traction.
- Differential lock components are designed with non-leaking seals and simplified control systems using hydraulic oil for high reliability and durability.
- Standard ecology drains provided for environmentally safe fluid disposal.

Full axle length oil sump provides excellent lubrication and heat rejection for long life.

- All axle components are splash lubricated. The outboard bearings are maintenance free.
- Oil capacity provides excellent heat rejection, ensuring proper lubrication.
- Brake componentry is maintenance free, and provides reliable brake performance in the most demanding logging applications.
- Differential locks provide added traction in weak ground conditions. On-the-go engagement/disengagement allows operator to maintain production.

Heavy duty inboard final drives and brakes are protected from the harshness of logging environment.

Front axle cradle provides a significant performance enhancement:

- Acts as a working counterweight to offset the weight of the log load and grapple.
- Creates superior balance for excellent uphill skidding performance.
- 15 degrees oscillation helps isolate the cab from axle movement for a smoother, more comfortable ride.
- Heavy duty trunnion bearings provide durable, reliable operation.

Hydraulics

State-of-the-art Hydraulic System contributes to system efficiency and operational ease and productivity.



Load sensing hydraulics utilize a load sensing, variable displacement pump and pressure compensating system, which continually monitors braking, steering, and grapple hydraulic power requirements to provide hydraulic power when needed.

- System is capable of full steering power at low idle.
- Brake system maintains priority over other functions.

Reduced pump flow requirements:

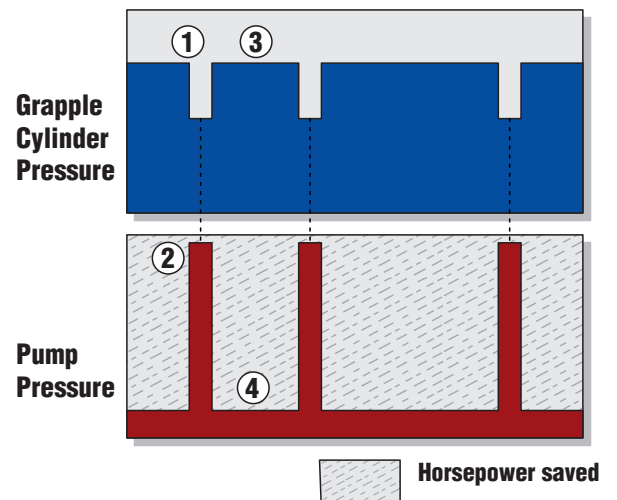
- Reduce engine horsepower demand when not needed for hydraulic output.
- Make more power available to the wheels for increased skidding production and fuel efficiency.
- Reduce cooling demands of assorted power train components and hydraulic fluids.

The Auto-Grab feature engineered by Caterpillar

constantly monitors and adjusts tong pressure as needed to securely hold grapple loads while skidding.

- Reduces operator workload.
- Provides constant tong pressure.
- Easily activated by a switch located on the right-hand console.

The Auto-Grab Advantage



- ① Load shifts in grapple
- ② Pump pressure increases to tighten grapple tongs
- ③ Grip on logs is maintained
- ④ Pump pressure returns to low level

Operator's Station

Designed for operator comfort and ease of operation for maximum productivity.





Comfortable, easy operation. Modular ROPS/FOPS cab is resiliently mounted to the frame. Large window area allows excellent side and rear visibility. Ample sound insulation keeps enclosed cab sound levels below 85 decibels, which meets operator environment regulations and improves operator comfort. The new cab is sealed from exterior air flow (with windows closed) for improved heating and cooling, as well as keeping out dust, fumes, and insects.

- 1 Full 90° steering articulation,** stop-to-stop with about one quarter wheel rotation provides excellent maneuverability and productivity. Steering column tilts and telescopes for improved operator comfort and efficiency.
- 2 Transmission controls** for forward, reverse and gear range are located on the steering wheel for easy fingertip control.
- 3 Single-lever four-function grapple control** for simplified operation and reduced operator effort. Controls dual-function arch and grapple head rotation with open and close feature.

4 Decking blade control provides excellent modulation and control for various decking and clearing functions.

5 Caterpillar Monitoring System monitors fuel level, torque converter temperature, engine coolant temperature, and shows operator what gear the machine is in. It also indicates voltage, fuel status, and has a three-level warning system to inform operators of potential problems.

6 Four analog style gauges indicate engine coolant temperature, hydraulic oil temperature, transmission oil temperature and fuel level.

7 Standard air suspension seat swivels 30 degrees to the right for ease and comfort, while allowing the operator to observe skidder and grapple operations to the rear.

8 Auto-grab switch. System monitors and adjusts tong pressure as needed to maintain a secure grip on grapple loads.

9 New lock-up torque converter drive selection switch and indicator light for matching transmission speed range to skidding requirements.

10 Differential lock switch. Ergonomically located rocker switch allows quick engagement of differential locks when needed.

11 Air-conditioning controls are standard with enclosed cab attachment. Controls allow operator to manage cab temperature for optimal comfort levels.

AM/FM radio cassette player (optional) and two speakers.

Key start switch

Standard built-in 24 to 12-volt converter allows the use of a Caterpillar or automotive-style radio cassette player and features built-in communication radio circuitry for hook-up to a shortwave or CB radio.



Structures

Box-section design has set the logging industry standard for resiliency and durability.



New wider hitch pin spread significantly reduces horizontal loading on hinge pins and hinge pin bearings for improved pin and bearing life.

- Provides improved clearance for hydraulic line routings.

Robust rear frame provides the platform to support the dual function grapple arch or cable arch configurations.

- Long rear frame of the 545 provides two sets of cylinder mount bosses, which allow the use of dual-function arch or cable arch configurations.



The front frame is designed with higher clearance to accommodate the front axle cradle mounts.

- Increased oscillation and the new position of the axle provide a smoother operator ride.

Decking blade with fabricated, box-section steel arms mounts directly to the mainframe for superior strength.

- Heat-treated bolt-on edge and maintenance-free pivot joints for outstanding durability.
- New, lower placement of blade mounts improves visibility to the blade corners and creates a more productive working angle for improved grading performance.
- Decking blade features bolt-on cutting edge for improved decking blade serviceability and durability.

Serviceability

The most serviceable machines from the most committed dealers.

Built-in servicing ease. Less service time means more working time. Major components are made as modules and most can be removed without disturbing or removing others.

Ground-level access provides convenient servicing to most filters and lube points.

Centrifugal pre-cleaner removes large debris before it reaches the internal air cleaner to provide significant engine protection.

S•O•S and Coolant Sampling Valves provide a fast, convenient means of obtaining fluid samples and improve analysis reliability.

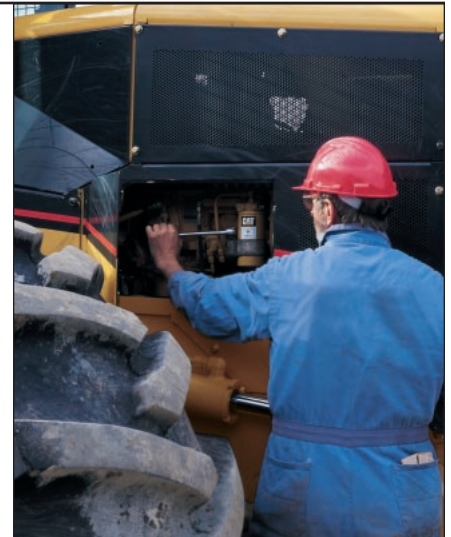
New radial seal air filters are easy to change, reducing air filter maintenance times.

The relocated turbocharger provides easy access to the air cleaner and allows the cab compartment to be sealed from dust and debris.

Spin-on fuel and engine oil filters save changing time.

Pressure taps are conveniently located to provide easy access to hydraulic system pressures.

24-volt electrical system delivers increased electrical power for engine cranking, lights, and engine diagnostics.



Total Customer Support

When you buy a Caterpillar machine, you also get Caterpillar's total commitment to customer support.

Parts availability. Most Cat parts are immediately available off the shelf. Cat Dealers rely on our worldwide computer network to find parts instantly and minimize your machine downtime. Many components are economically available as Caterpillar Remanufactured parts.

Service capability. Cat dealers are available to help you manage your machine service.

Literature support. Operation and maintenance manuals are easy to use helping you get the full value of your equipment investment.

Machine management service. Cat dealers help manage your equipment investments with:

- Machine systems analysis to match the right machine to your job conditions.



- Effective preventative maintenance programs.
- Diagnostic programs like S-O-S Oil Analysis and Technical Analysis.

- Information to make the most cost-effective repair option decisions.
- Customer meetings, training for operators and mechanics.

Engine

All Caterpillar engines are built to excel in even the most demanding jobs.

Ratings at 2200 rpm*	kW	hp
Gross power	168	225

The following ratings apply at 2200 rpm when tested under the specified standard conditions for the specified standard:

Net power	kW	hp
Caterpillar	149.1	200
ISO 9249	149.1	200
SAE J1349	147.4	198
80/1269 EEC	149.1	200

Dimensions

Bore	120.7 mm	4.75 in
Stroke	152.4 mm	6.0 in
Displacement	10.5 L	638 in ³

*Power rating conditions

- based on standard air conditions of 25°C (77°F) and 99 kPa (29.32" Hg.) dry barometer
- used 35° API gravity fuel having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 30°C (86°F) [ref. a fuel density of 838.9 g/L (7.001 lb/U.S. gal)]
- net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler
- no derating required up to 2286 m (7500 ft) altitude

Features

- cam-turned and tapered, cast aluminum-alloy pistons have three rings and are cooled by oil spray
- steel backed, copper-bonded crankshaft bearings
- hardened crankshaft journals
- dry-type air cleaners with primary and secondary elements
- exclusive centrifugal pre-cleaner
- 24-volt electric starting system with 75-amp alternator and two 750 CCA-batteries

Transmission

Caterpillar designed and manufactured five-speed counter-shaft powershift design with heavy duty torque converter with lock-up clutch.

Maximum travel speeds (30.5 x 32 tires)

		km/h	mph
Forward	1	6.4	4.0
	2	9.0	5.6
	3	10.9	6.8
	4	15.3	9.5
	5	27.5	17.1
Reverse	1	6.2	3.9
	2	10.5	6.5
	3	18.6	11.6

Features

- five speeds forward and three reverse
- four working gears, to better match horsepower to skidding requirements
- electronic shift control
- transmission filter with indicator light
- transmission cooler
- push button transmission control provides easy on the go shifting in all gears
- machine will not move if started in gear
- dash switch selectable torque converter lock-up clutch
- lock-up clutch automatic engage/disengage, with green indicator light when selected

Operating Weights

(approximate)

Grapple

Operating weight includes enclosed cab, 30.5 tires, blade, dual-function arch 16 ft bunching grapple, standard lights, full fuel tank

	kg	lb
	18 217	40,161

Cable

Operating weight includes open cab, 30.5 tires, rear cable fenders, winch, blade, arch arrangement, standard lights

	18 137	39,901
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Hydraulic Controls

Closed-center, variable flow, pressure compensating system consists of pump, tank with filter, valves, lines, linkage and multi-axis control lever.

Pump, axial piston type		
Output at 2200 Engine RPM	190 liters/min	50 gpm
Relief valve setting	21 000 kPa	3045 psi
Steering valve, with direct linkage, non follow-up		
Cylinders, two, double-acting:		
bore	88.9 mm	3.5 in
stroke	429 mm	16.9 in
rod diameter	50.8 mm	2 in
Steering relief valve settings	21 000 kPa	3045 psi
Dozer valve, with direct linkage control		
Cylinders, two, double-acting:		
bore	101.6 mm	4.0 in
stroke	870 mm	34.3 in
rod diameter	57.1 mm	2.25 in
Grapple valve, three or four stack and pilot control valve		
Grapple system relief valve settings	21 000 kPa	3045 psi
Reservoir tank capacity	65 liters	17 gal

Load sensing hydraulics features

- system reduces pump output when hydraulic demand is low
- draws less engine power, providing more power to the drawbar
- hydraulic oil filtered within tank mounted return filter
- hydraulic power is used more effectively and only when needed
- simplifies the skidder operation and saves fuel

Auto-grab

- Auto-grab further enhances hydraulic power optimization

Brakes

Meets the following standards: OSHA, SAE J1473 OCT 90, ISO 3450-1985.

Service brake features

- fully hydraulic actuated, oil-disc brakes
- completely enclosed and sealed within axle
- adjustment free
- separate control circuits for front and rear axles

Secondary brake features

- Caterpillar Monitoring System alerts operator if brake oil pressure drops
- parking brake is automatically applied

Parking brake features

- mechanical, shoe-type brake
- mounted on transmission output shaft for manual operation

Cab

Enclosed cab is optional.

-
- Enclosed cab and open canopy with screens meet operator protective structure criteria for forestry equipment SAE J1084 APR80

NOTE:

When properly installed and maintained, the enclosed cab offered by Caterpillar when tested with doors and windows closed according to ANSI/SAE J1166 MAY90, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.

ROPS/FOPS

ROPS/FOPS canopy is standard.

-
- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria SAE J1040 APR88 and ISO 3471-1994
 - FOPS (Falling Object Protective Structure) meets FOPS criteria SAE J231 JAN81 and ISO 3449-1984

Electrical System

24-volt

Features

- two, 12-volt maintenance-free batteries
- 75-amp alternator
- wiring harnesses wrapped with braided, vinyl-coated nylon shielding for maximum protection
- connectors are self-sealing, yet still provide easy service access
- key start and stop
- arch area pre-wired for additional rear lighting
- 12-volt or 24-volt power supply available inside head liner

Steering

Fully hydraulic control. Meets the following standards: SAE J1511 OCT90, ISO 5010-1992.

Features

- flow modulated steering hydraulics
- center-point frame articulation
- tapered roller bearings in bottom joint
- tilt-adjustable and telescopic steering column

Dozer

Fabricated steel arms mount directly to the main frame structure.

-
- heat-treated, bolt on cutting edge
 - flared junction at box-section push arm and blade to reduce stress
 - maintenance-free pivot joints
 - two, end-mounted cylinders
 - dozer hydraulic hoses and cylinders protected by guards

Service Refill

	Liter	U.S. Gallons
Fuel tank	378	99.8
Cooling system	56	14.8
Crankcase	29	7.7
Transmission and torque converter	54	14
Differential and final drives		
Front	52	13.7
Rear	74	19.6
Hydraulic System		
Tank	65	17
Total	123	32
Retrieval Devices		
Mechanical Winch	25	6.6

Tires

Logger (LS-2), steel breaker belts, tube-type

Choice of

- 30.5 x 32 16 PR
- 35.5 x 32 16 PR
- 73/44 x 32 16 PR
- 68/50 x 32 16 PR

Winch

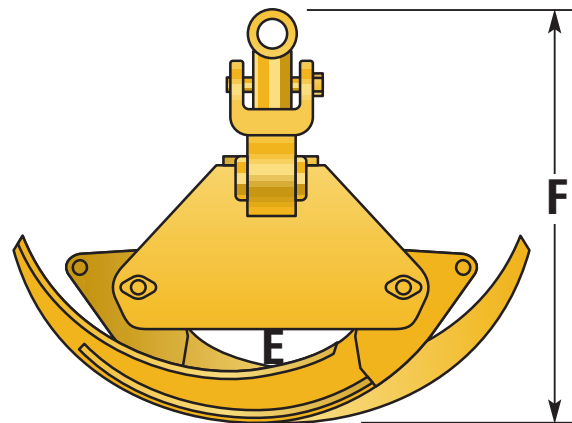
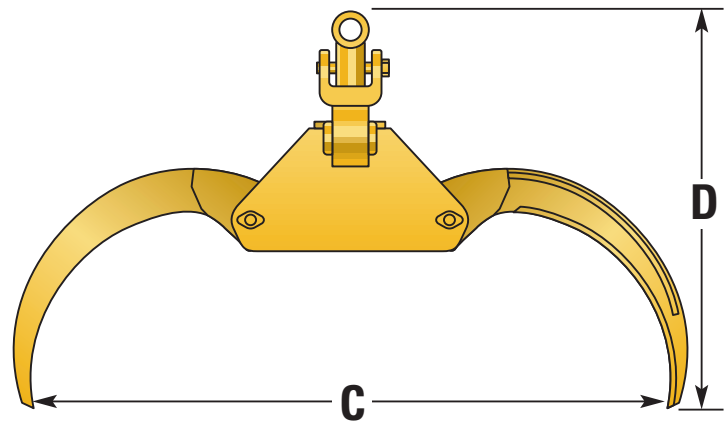
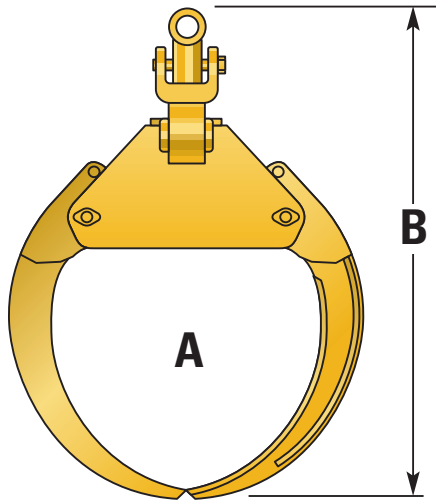
Mechanically driven by torque converter output. Hydraulically controlled and lubed by separate oil pump using winch sump oil.

545 Skidder		
Line pull (maximum at stall)		
Standard drum	201 kN	(45,200 lb)
Line speed (full drum)		
at rated engine RPM	110 m/min	(360 ft/min)
Drum capacity		
19.1 mm (¾")	45 m	(148 ft)
22.2 mm (⅞")	32 m	(106 ft)
25.4 mm (1")	25 m	(82 ft)
Drum diameter	254 mm	(10")
Drum width	279.4 mm	(11")

Grapple

Bunching Grapple

- Designed to gather bundle of stems and maximize grapple loads



Dimensions

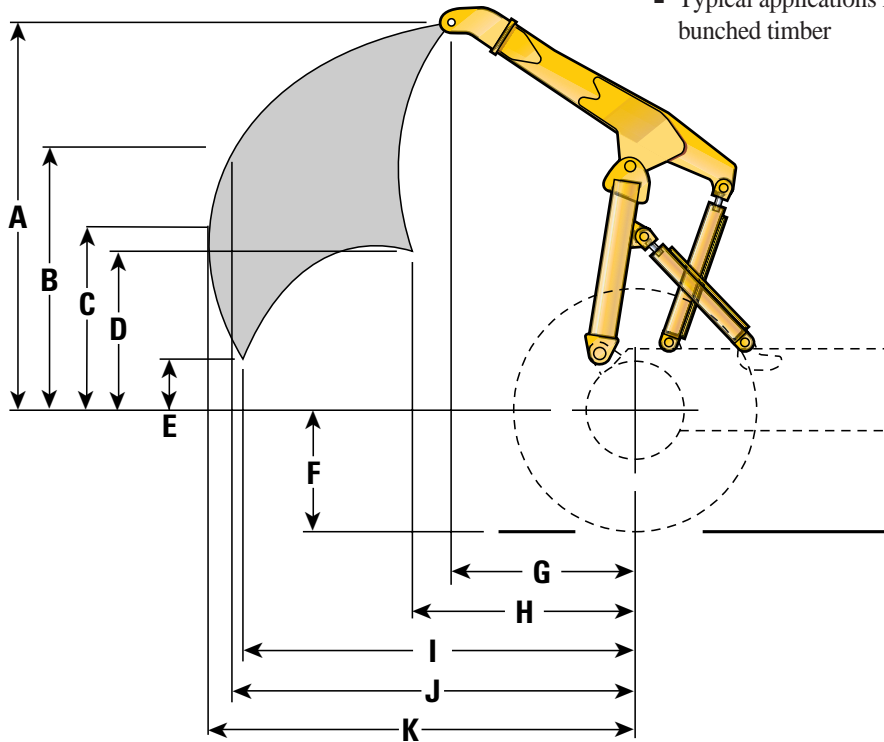
A Grapple capacity	1.5 m ²	16.0 ft. ²
B Tong opening	3277 mm	129 in.
C Tip to tip height	2502 mm	98.5 in.
D Full open height	2070 mm	81.5 in.
E Min. stem diameter	140 mm	5.5 in.
F Fully closed height	1562 mm	61.5 in.

Arch Configuration

The dual function arch configuration allows you to effectively match the 545 Skidder to a wide variety of skidding applications.

Dual-function arch

- Extended range provides extra reach for grabbing large bundles of feller bunched, small diameter logs
- Ability to position load closer to tractor for improved stability and traction
- Typical applications include longer cycles and small diameter bunched timber

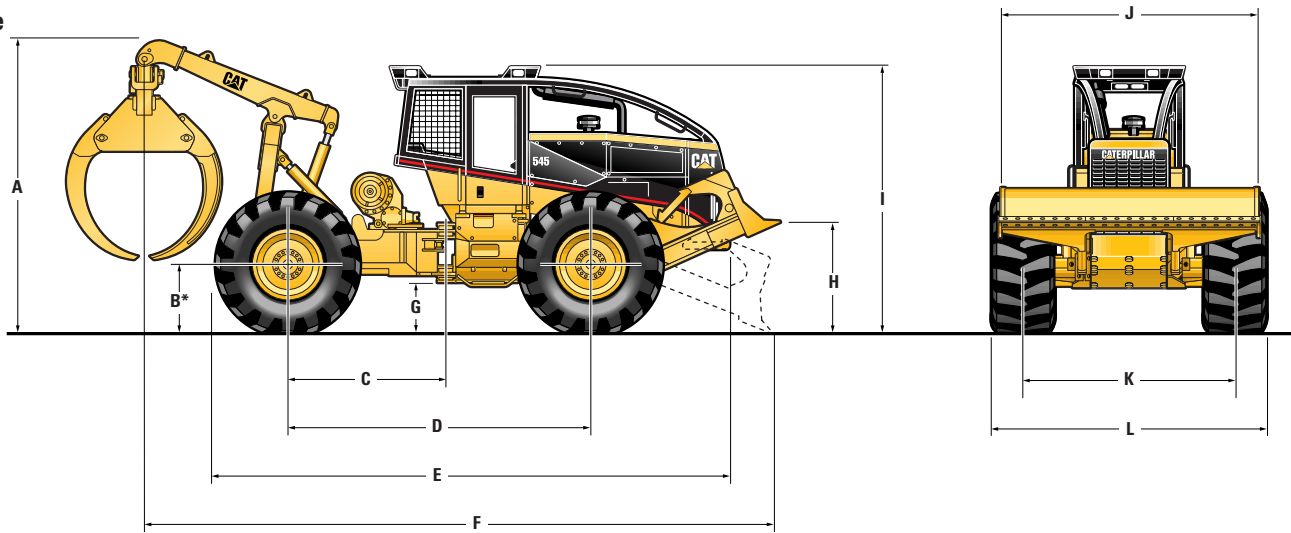


Dimensions	mm	in.
A Lift highest, retracted	2776	109.3
B Lift highest, farthest	1877	73.9
C Lift maximum reach	1303	51.3
D Lift lowest, retracted	1298	51.1
E Lift lowest, farthest	371	14.6
F Loaded tire radius (rolling radius of standard 30.5)	866	34.1
G Reach highest, retracted	1582	62.3
H Reach lowest, retracted	1793	70.6
I Reach highest, farthest	3078	121.2
J Reach lowest, farthest	2913	114.7
K Reach maximum	3172	124.9

Dimensions

All dimensions are approximate.

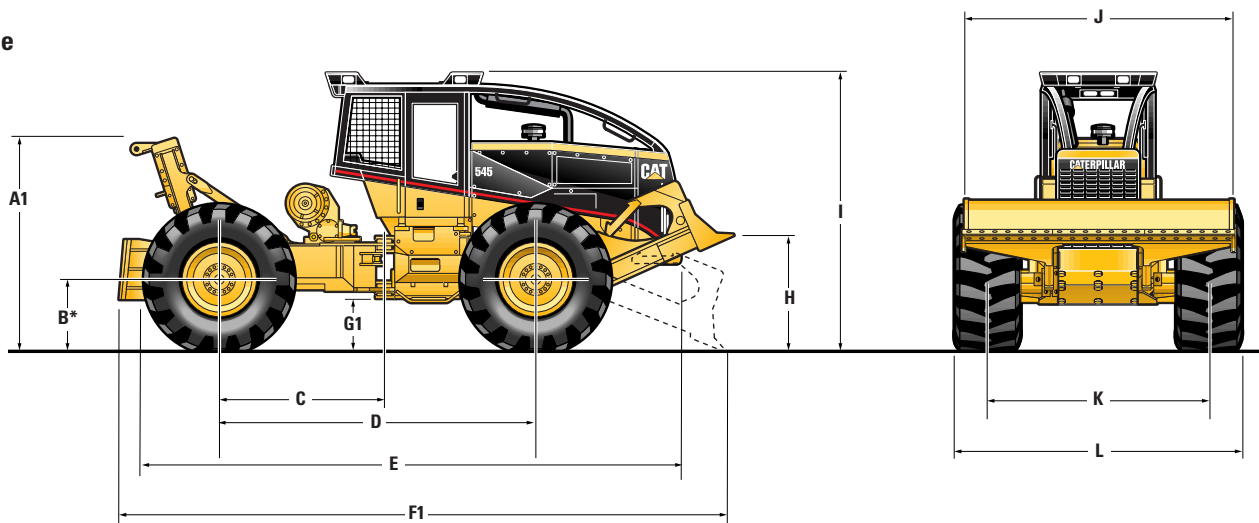
Grapple



Dimension	mm	in.
A Ground level to center line of top roller (grapple)	2987.7	117.6
A1 Ground level to center line of top roller (cable)	2929.5	115.3
B Ground level to axle center line	866.0	34.1
C Rear axle center line to pin	2003.0	78.9
D Wheel base	3838.1	151.1
E Length without dozer or arch	6626.3	260.9
F Overall length (grapple)	7947.9	312.9
F1 Overall length (cable)	7074.5	278.5
G Ground clearance (grapple)	606.4	23.9
G1 Ground clearance (cable)	605.5	23.8
H Decking blade lift height	2088.2	82.2
I Height to top of cab	3366.4	132.5
J Decking blade width	3138	123.5
K Tread width	2610	102.8
L Overall width	3432	135.1

* With 30.5 x 32 tires

Cable



Standard Equipment

Note: Standard equipment may vary. Consult your Caterpillar dealer for specifics.

Electrical

Alternator, 75 amp/24-volt
Batteries, two 12-volt, 750 cca
Direct electric starting, 24-volt
Pre-wiring for rear grapple lights
Warning horn

Guards

Dozer cylinder
Fan
Front brush sweeps
Hinged radiator guard
Integral underguards

Power Train

Air cleaner, 2-stage with pre-cleaner
Blower fan
Differential lock axles (front and rear)
Engine enclosures (perforated)
Engine, 3306 DITA diesel
Extended life coolant
Filters
 Engine oil
 Transmission oil
 Fuel
Muffler
Pump, fuel priming

Operator environment

30 degrees swivel air suspension seat
Cup holder
Dome light
Floor mat
Gauges/Indicators/Lights:
 Brake indicator light
 Gear range indicator
 Electric hour meter
 Fuel level
 Engine oil pressure
 Engine water temperature
 Torque converter temperature
 Trans filter
Rear view mirror
Retractable seat belt
Steering wheel mounted transmission control
Tilt and telescoping steering wheel

Other Standard Equipment

Alarm, back-up
Brakes: service, secondary, parking
Cap locks:
 Oil filler
 Oil dipstick
 Fuel tank
 Hydraulic tank
Decking blade (and hydraulics)
Ecology drains
 Engine
 Axles
Indicators:
 Air cleaner service
 Visual hydraulic oil level
Lighting system, halogen:
 two front, two rear
Three level warning system
Vandalism protection

Additional Equipment

With approximate changes in operating weights.

Note: Additional equipment choices may change without notice. Consult your Caterpillar dealer for specifics.

	kg	lb		kg	lb
Arch			Lights		
Dual function	1495	3288	Four standard	67	148
Cable skidding	955	2100	Eight optional	163	359
Cold weather starting aid package	16	7	Operator environment		
Decking blade (bolt on edge)	1195	2629	Open ROPS	1073	2360
Enclosed cab window screens	63	138	Enclosed ROPS + AC	1205	2651
Frame			Tires and tubes, set of four:		
No fenders	1295	2850	Logger (LS-2):		
Cable fenders	2192	4822	30.5L x 32, 16 PR	2353	5176
Winch arrangement	785	1726	35.5L x 32, 16 PR	2960	6512
Grapple			68/50 x 32 16 PR	4089	8995
16 ft2 (1.49 m2) - bunching	1089	2396	73/344 x 32, 16 PR	3757	8265

545 Wheel Skidder

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Materials and specifications are subject to change without notice.

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