



GLL52B GLL55B GLL60B

Forestry Grapples



	GLL52B	GLL55B	GLL60B
Max. Opening (in / mm)	52 / 1321	55 / 1397	60 / 1524
Min. Opening (in / mm)	5 / 127	5 / 127	5 / 127
Weight (lbs / kg)	2767 / 1255	2840 / 1291	2965 / 1344
Width (in / mm)	68 / 1725	70 / 1765	76 / 1935

GLL52B, GLL55B, GLL60B Log Loading Grapples

Performance and durability mean on-the-job productivity.

Construction

Built of high-strength steel, and designed to perform in high-volume logging applications.

Legs

Optimized profile performs equally well whether sorting, bunching or shoveling.

Hydraulics

Powerful rotation motor and cylinders move the maximum amount of wood per pass.

Serviceability

Long service intervals and in-field servicing result in more uptime and lower operating costs.

Cat® Log Loading Grapples on Cat Forest Machines are the proven performer in the woods and on the yard. It's performance you can count on.



Construction

Rugged durability and bottom line performance is designed into every grapple.

High Strength Steel. High strength steel is used throughout the frame and legs for long lasting durability. Replaceable hardox steel is used on the leg wear surfaces, T-1 steel is used throughout the frame.

Pins. Induction-hardened alloy pins float, decreasing wear. All pin joints have heavy-duty lip-type excluder seals to keep dirt and debris out of the bearing area — significantly lengthening pin and bearing life.

Machined Bearing Surface. Precise matching of the bearing surface to the rotator increases the strength of the mounting, reducing side loads on the mounting bolts. Durability and reliability are greatly enhanced.

Hydraulic Cylinders. GLL B-series grapples feature built-in check valves along with a heavy-duty wall construction. These benefits deliver durability and maximum closing power.



Legs

Positive loading characteristics are the key to bottom line performance.

Built Durable. GLL Grapple legs are made of high-strength alloy steel for maximum durability. For additional wear protection, both legs feature replaceable hardox wear strips on the inside and outside of the leg.

Unique Profile. Shape of the legs means performance — whether picking and sorting, bunching and loading or shoveling. Maximum performance in any situation.

Interlocking Legs. Legs will close down to a minimum of five inches — allowing operators the ability to easily handle single, small stems.

Heel

Optimum machine heel/grapple interface designed for maximum productivity.

Optimum Heel/Grapple Interface.

The interface between heel and grapple puts optimum force where it's needed most when maneuvering and stacking logs. The optimized geometry between machine, heel and grapple provide the user with the best-performing log-handling system.

Protected Hydraulics. Hydraulic hoses are protected on the heel by routing through the center of the heel structure.

Flat, Serrated Rack. Flat, serrated rack provides optimized single and multiple log engagement for log control in decking, truck loading, and in woods applications.



Hydraulics

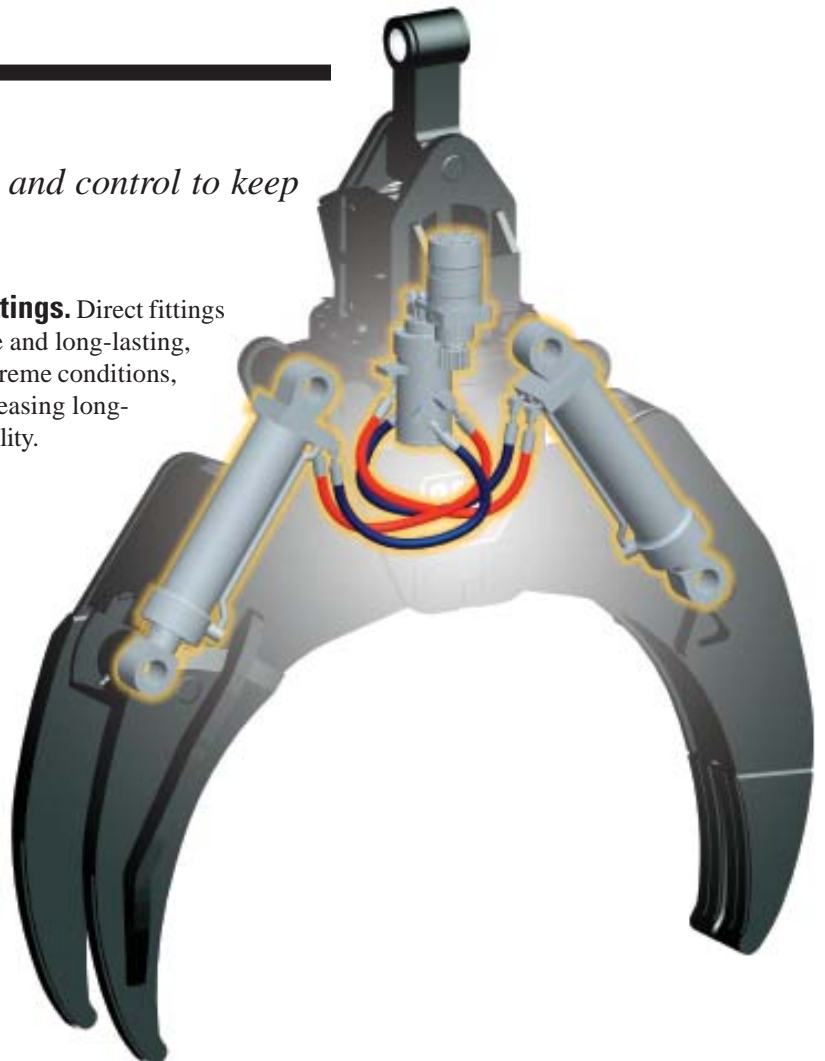
Cat hydraulic components deliver power and control to keep the wood moving.

360° Continuous Rotation. High-torque hydraulic motor positions the grapple precisely for rapid sorting and loading. Built-in cross port relief protects the hydraulic system even with heavy loads. Heavy-duty slew bearing for reliability.

Internal Routings. Hose connections and supply lines are protected inside the grapple frame, away from the possibility of damage.

Hydraulic Cylinders. Heavy-duty wall construction deliver durability and maximum closing power. Bolted heads facilitate both durability and serviceability.

Direct Fittings. Direct fittings are durable and long-lasting, even in extreme conditions, vastly increasing long-term reliability.



Serviceability and Product Support

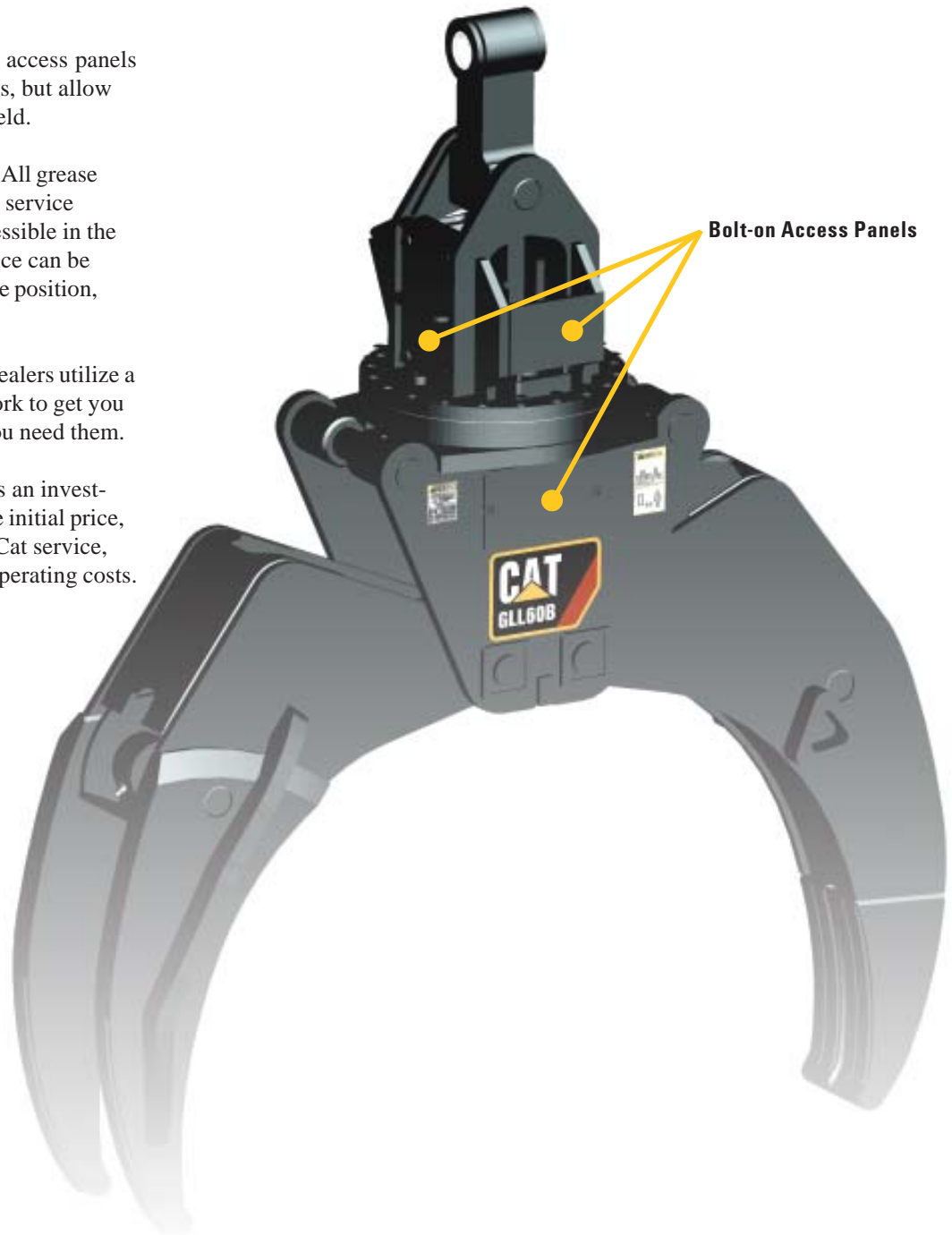
Cat quality means Cat reliability, saving you time and money. Only Cat grapples are backed by the world-class Caterpillar® Dealer Network.

Access Panels. Bolt-on access panels protect the grapple internals, but allow easy serviceability in the field.

In-the-Field Servicing. All grease points, the motor and other service components are easily accessible in the field with hand tools. Service can be performed quickly, from one position, minimizing downtime.

Product Support. Cat® dealers utilize a worldwide computer network to get you the parts you need when you need them.

Value. Buying a grapple is an investment. Consider not only the initial price, but the long term value of Cat service, financing and day-to-day operating costs.



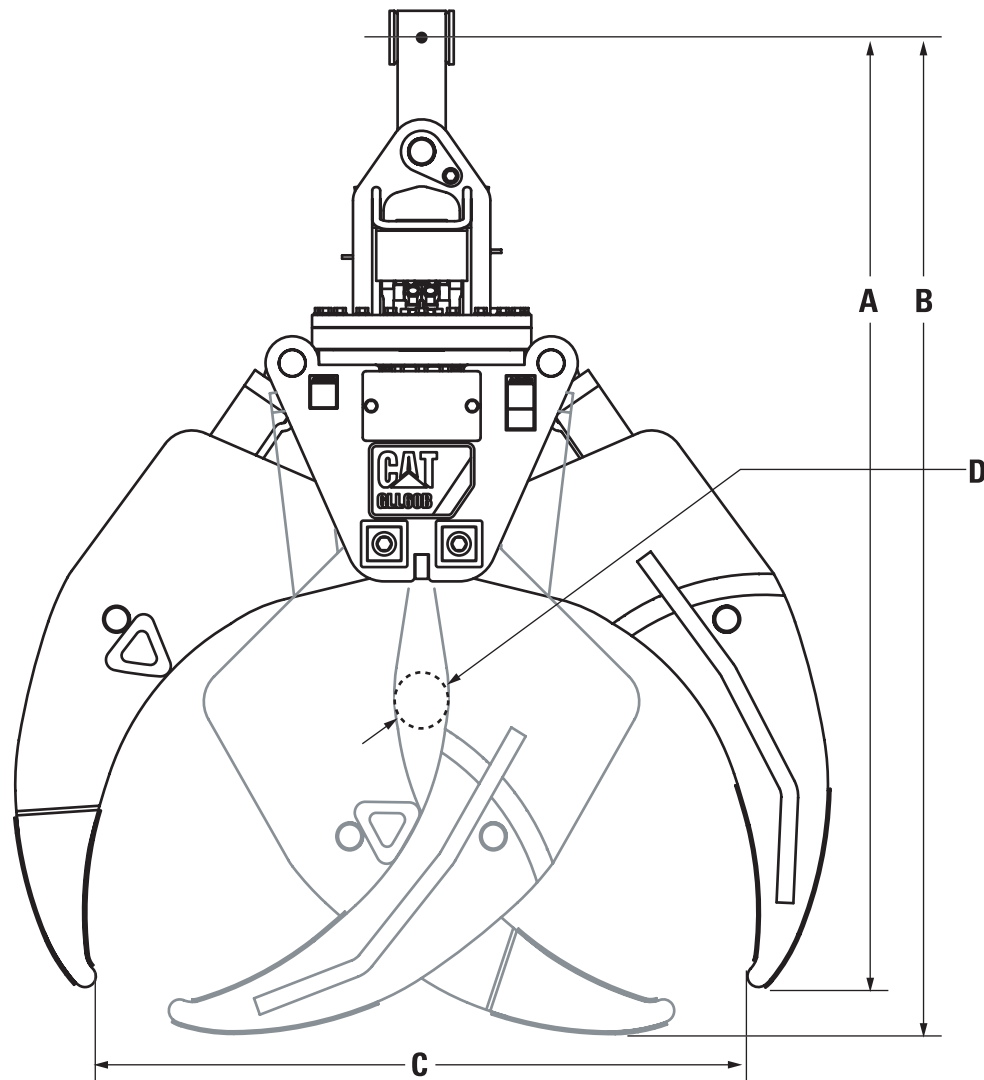
GLL Specifications / Dimensions

	GLL52B	GLL55B	GLL60B
Weight (lbs / kg)	2767 / 1255	2840 / 1291	2965 / 1344
Width (in / mm)	68 / 1725	70 / 1765	76 / 1935
A Height, open (in / mm)	84 / 2134	86 / 2184	89 / 2261
B Height, closed (in / mm)	85 / 2159	87 / 2210	90 / 2286
C Maximum Opening (in / mm)	52 / 1321	55 / 1397	60 / 1524
D Minimum Opening (in / mm)	5 / 127	5 / 127	5 / 127
Rotation, continuous	360°	360°	360°
Rotation torque at 1200 psi (ft lbs / Nm)	850 / 1153	850 / 1153	850 / 1153

Matching Guide

	GLL52B	GLL55B	GLL60B
320 FM	●	○	
322 FM	●	●	
324 FM	●	●	
325 FM	○	●	●
330 FM	○	●	●

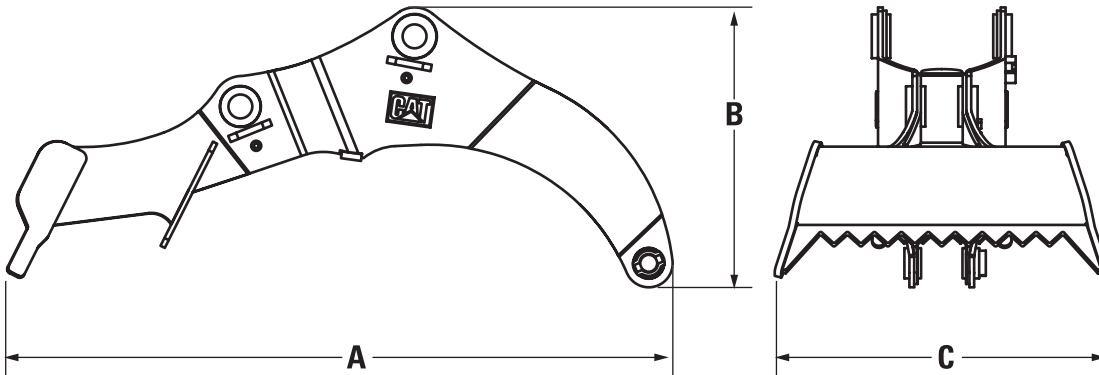
● Provides optimum machine match.
○ Provides acceptable machine match.



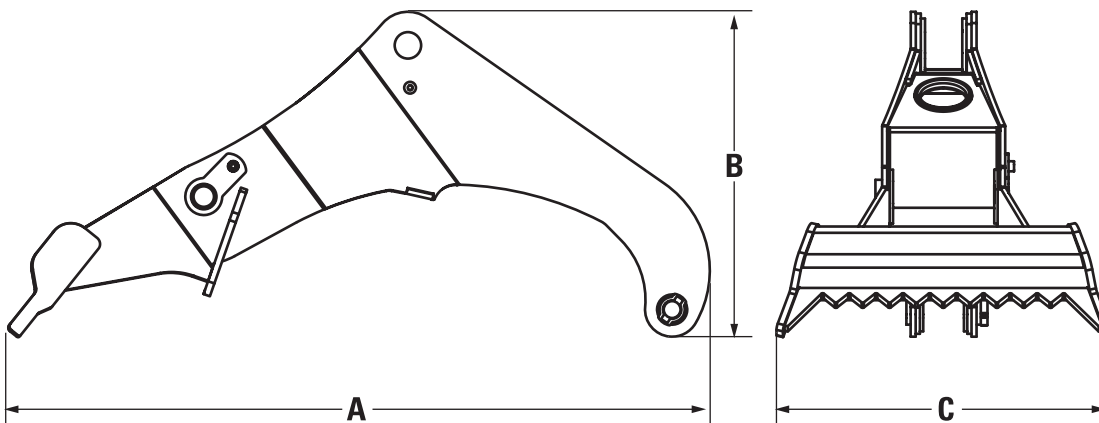
Heel Specifications / Dimensions / Matching Guide

Heels includes stick-to-grapple connector lines and mounting hardware.

Under/Under Heel for Forest Machine	330	325	324
Weight (lbs / kg)	1485 / 674	1485 / 674	1485 / 674
A Length (in / mm)	99 / 2515	99 / 2515	99 / 2515
B Height (in / mm)	41 / 1044	41 / 1044	41 / 1044
C Width (in / mm)	50 / 1260	50 / 1260	50 / 1260



Over/Under Heel for Forest Machine	330	325	324
Weight (lbs / kg)	1437 / 653	1437 / 653	1437 / 653
A Length (in / mm)	105 / 2664	105 / 2664	105 / 2664
B Height (in / mm)	48 / 1230	48 / 1230	48 / 1230
C Width (in / mm)	50 / 1260	50 / 1260	50 / 1260



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For more complete information on Cat products, dealer services,
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GEHL0002 (03-06)

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