

Augers



Skid Steer Loader Work Tools

	Drive Shaft Torque @ Max Pressure
A13 Auger	2772 N•m (2043 lb-ft) @ 227 bar (3300 psi)
A19 Auger	3983 N•m (2935 lb-ft) @ 227 bar (3300 psi)
A26 Auger	7079 N•m (5238 lb-ft) @ 310 bar (4500 psi)

Cat® Augers

The right balance of speed and torque for optimum performance in many soil conditions.



Caterpillar® Augers are used for drilling holes for footings, fencing, signs, trees and shrubs in construction, agricultural and landscaping applications. They have been designed with the right balance of speed and torque for maximum productivity in a broad range of soil types. The right amount of speed is necessary to efficiently move material up the auger bit and out of the hole. Optimal torque is required to prevent stalling when drilling in tough conditions.

Caterpillar offers both standard and tree bits for the wide array of hole drilling requirements. A variety of bit teeth is also available for different soil conditions.

Performance and Versatility

Caterpillar Augers 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.

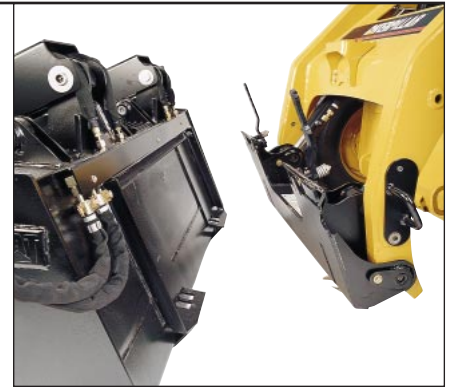
Ease of Operation

Caterpillar Augers 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 on the mounting bracket to facilitate operator entry and exit. Operation of Cat Augers is easy with Caterpillar joystick controls...virtually everything is at your fingertips.

Caterpillar offers three types of augers. The A13 and A19 operate efficiently on the standard flow hydraulics of Cat Skid Steer Loaders, while the A26 is designed specifically for the high flow auxiliary hydraulic circuit and horsepower capabilities of the Cat 228 and 248 models. The A13 Auger provides the best performance in light to moderate duty applications with auger bits up to 610 mm (24 in) in diameter. The A19 Auger provides the best performance in moderate to heavy duty applications with auger bits up to 914 mm (36 in) in diameter due to the additional torque output available to the drive shaft and auger bit. The A26 Auger provides the best performance in extreme duty, high performance drilling with auger bits up to 914 mm (36 in) in diameter due to its exceptional output torque capabilities to the drive shaft and auger bit.

Features:

- **Two standard flow augers** are available: the chain driven A13 which generates 2772 N•m (2043 lb-ft) of torque at a maximum operating pressure of 227 bar (3300 psi) and the planetary driven A19 which generates 3983 N•m (2935 lb-ft) of torque at a maximum operating pressure of 227 bar (3300 psi).
- **One high flow auger** is available: the planetary-driven A26 which generates 7079 N•m (5238 lb-ft) of torque at a maximum operating pressure of 310 bar (4500 psi).
- **Chain drive system on the A13** features a variable speed, bidirectional, gerotor style hydraulic motor coupled to a sprocket/chain reduction system for optimal bit speed and output torque for light to moderate duty applications.
- **Single reduction planetary system on the A19** features a variable speed, bidirectional, gerotor style hydraulic motor mounted to a planetary gear box for optimal bit speed and output torque for moderate to heavy duty applications. The additional output torque provides better performance with larger diameter bits.
- **Double reduction planetary system on the A26** features a variable speed, bidirectional, gear hydraulic motor mounted to a planetary gear box for optimal bit speed and output torque for extreme duty, high performance drilling requirements. Its exceptional output torque capabilities provides excellent performance in the toughest conditions with the largest diameter bits.
- **An exclusive Cat mounting bracket** is common to all Cat Auger designs. It incorporates a full width torque tube, an articulated joint, "D" ring hose guide, cradle and "stand" feet. These features provide superior structural reinforcement, positioning flexibility, proper hose routing, easy transportation and near-vertical mounting bracket storage.
- **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.
- **Auger bits** are rugged and adaptable to a wide range of projects.
 - Standard and tree bit options are available in a variety of diameters.
 - Bit teeth are currently available in hardened steel and hard faced.
 - Optional bit extensions are 305 mm (12 in) long.
 - Hex-to-round shaft adapter is available to accommodate existing round auger bit mountings.



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.

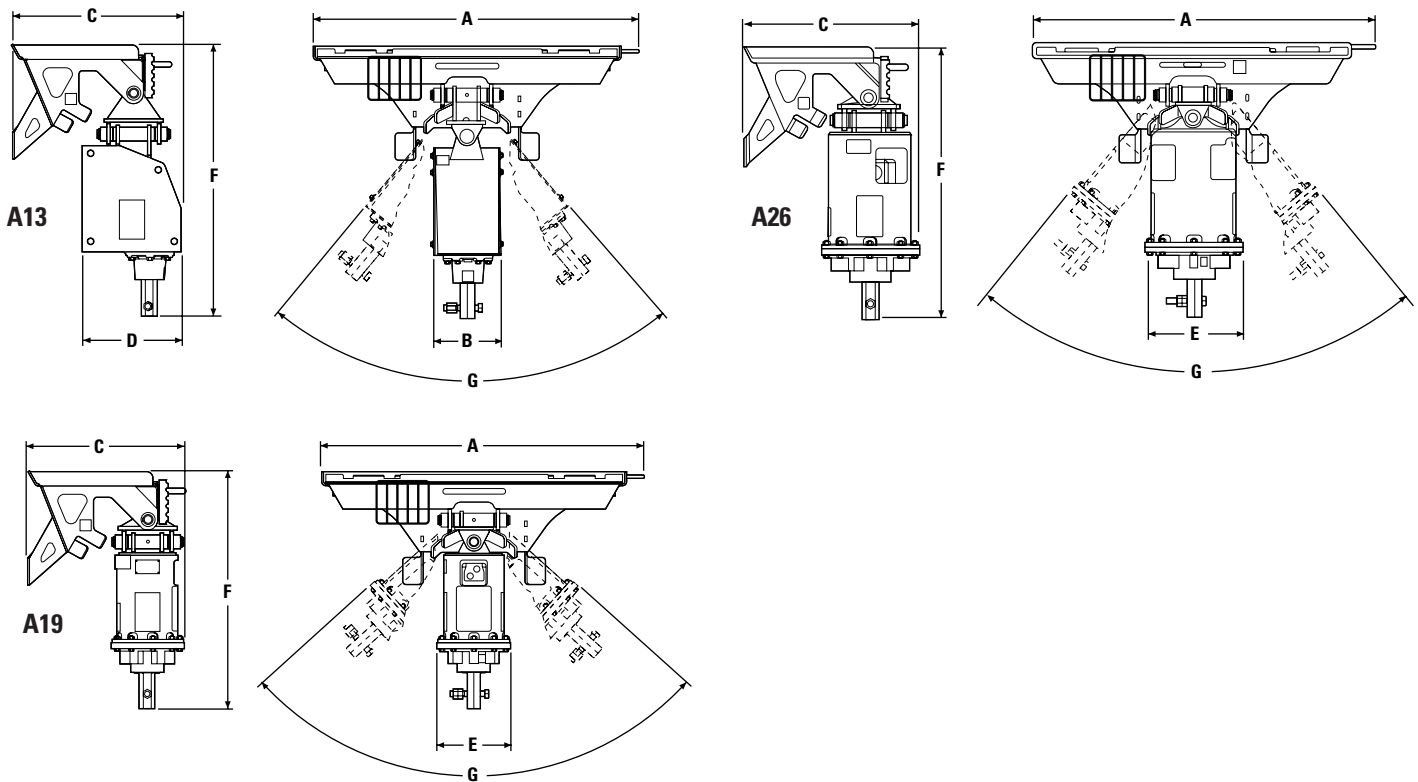
Serviceability

Cat Augers utilize proven components such as Caterpillar hose, couplings, O-ring face seals, hardware and replaceable hardened bit teeth. 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/Dimensions



	A13 Auger	A19 Auger	A26 Auger
A Overall width w/bracket	1238 mm (49 in)	1238 mm (49 in)	1238 mm (49 in)
B Housing width	247 mm (10 in)	— —	— —
C Overall length w/bracket	640 mm (25 in)	594 mm (23 in)	629 mm (25 in)
D Housing length	378 mm (15 in)	— —	— —
E Housing diameter	— —	279 mm (11 in)	349 mm (13.8 in)
F Overall height with bracket	1016 mm (40 in)	889 mm (35 in)	984 mm (39 in)
G Swing range	70°	94°	80°
Drive unit weight	80 kg (176 lb)	89 kg (196 lb)	137 kg (303 lb)
Mounting bracket weight	79 kg (174 lb)	79 kg (174 lb)	79 kg (174 lb)
Total weight*	159 kg (350 lb)	168 kg (370 lb)	216 kg (477 lb)
Drive method	Chain drive	Planetary drive	Planetary drive
Required hydraulic flow range	42-87 l/min (11-23 gpm)	42-87 l/min (11-23 gpm)	95-152 l/min (25-40 gpm)
Optimal hydraulic pressure range	145-227 bar (2100-3300 psi)	145-227 bar (2100-3300 psi)	207-310 bar (3000-4500 psi)
Drive Shaft Torque @ max pressure	2772 N•m (2043 lb-ft)	3983 N•m (2935 lb-ft)	7079 N•m (5238 lb-ft)
Bit speed (drive shaft) @ max flow	114 rpm	79 rpm	98 rpm
HEX output shaft size	51 mm (2 in)	51 mm (2 in)	51 mm (2 in)
Auger bit retention	Cross bolts/nuts	Cross bolts/nuts	Cross bolts/nuts
Housing design	Box	Cylindrical	Cylindrical

* Without bits.

Auger Bits and G.E.T. Options

Auger bit options	1	2	3	4	5	6	7	8
Bit type	Standard	Standard	Standard	Standard	Standard	Standard	Tree	Tree
Bit diameter	152 mm (6 in)	229 mm (9 in)	305 mm (12 in)	457 mm (18 in)	610 mm (24 in)	914 mm (36 in)	610/305 mm (24/12 in)	914/457 mm (36/18 in)
Overall bit length	1245 mm (49 in)	1245 mm (49 in)	1295 mm (51 in)	1295 mm (51 in)	1295 mm (51 in)	1295 mm (51 in)	1295 mm (51 in)	1295 mm (51 in)
Bit weight*	23 kg (50 lb)	34 kg (75 lb)	46 kg (100 lb)	65 kg (144 lb)	92 kg (200 lb)	172 kg (380 lb)	74 kg (163 lb)	141 kg (310 lb)
Bit extension length	305 mm (12 in)	305 mm (12 in)	305 mm (12 in)	305 mm (12 in)	305 mm (12 in)	305 mm (12 in)	305 mm (12 in)	305 mm (12 in)
Number of teeth	2	4	4	6	8	12	9	13
Bit teeth	Standard: forged and hardened steel. Optional: hard faced, carbide inserted							
Bit tooth retention	Carriage bolt/nuts							
Bit tooth design	Double angle							
Pilot Point	Cast and hardened steel: 1 per bit. Carbide inserted: 1 per bit							
Head	HEX							

* With teeth.

Note:

- A13 Augers accept bit sizes up to 610 mm (24 in) for optimal performance.
- A19 Augers accept bit sizes up to 914 mm (36 in) for optimal performance.
- A26 Augers accept bit sizes up to 914 mm (36 in) for optimal performance.
- Soil type and soil condition dictates auger bit size and performance.

Compatibility

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

Model	A13 Auger	A19 Auger	A26 Auger
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. Requires high flow hydraulics.

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AEHQ5357-01 (2-00)
(Replaces AEHQ5357)

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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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