

 **SHAYER**
Going Strong Since 1944

POST HOLE DIGGERS



Where Power
Meets Simplicity

www.shavermfg.com

POST HOLE DIGGERS

Shaver's lineup of professional - grade post hole diggers gives you the power to dig holes to the depth and diameter you need quickly and efficiently. Both PTO and Hydraulic models are designed to meet the needs of farmers, ranchers, nurserymen, contractors and fencing professionals.

PTO POWERED POST HOLE DIGGERS

Shaver's lineup of PTO - powered post hole diggers are engineered for even the toughest conditions. Each of the four models features a fully enclosed PTO shaft shield at both output and input points of the gearbox to



provide safety and protection from dirt and moisture. Each unit also features a completely enclosed gearbox to ensure longer life. Straddle - mounted, tapered roller bearings provide added strength.



STANDARD AUGER OPTIONS

Shaver offers a wide variety of augers, including diameters from 4 to 30 inches. Our augers come in a standard length of 42 inches and are available in semi - double flight and double flight. Bolt - on auger extensions ranging from 9 inches to 14 inches are available when added depth is needed.



ROCK AUGERS

Designed for extremely rugged conditions in loose rock, solid rock, dirt and clay, Shaver rock augers can be used on any Shaver post hole digger model*. They're available in diameters ranging from 4 1/2 inches to 30 inches. These augers feature replaceable carbide bullet teeth, a 3/4 inch thick double - flight boring head and 3/8 inch thick flighting with Rockwell 65 hardfacing.



ORCHARD AUGERS

Shaver orchard augers are especially designed for the needs of the nursery and orchard industry. They come in standard diameters of 16, 18, 24 and 30 inches with a standard length of 30 inches. The points on these augers are made of extremely hard austempered ductile iron for longer wear. Cutting teeth are made from forged steel and are bolted on so that they can be easily replaced when worn.

DOWN PRESSURE KIT

Shaver's Down Pressure Kit gives you heavier - duty digging power by supplying an additional 500 lbs. of downward force on the unit. The unit easily attaches to both hydraulic and PTO diggers and is powered using the hydraulics from your skid steer loader or tractor, without interfering with the regular operation of the digger. This option is ideal for those working in compact soil, rocky areas or semi - frozen ground.



*Depending on size.

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HYDRAULIC POWERED DIGGERS

Shaver's lineup of hydraulically powered diggers includes two models. The Model 510 gives you 700 foot-pounds of torque and requires 5 – 10 gpm. The Model 1020 provides 1000 lbs of torque with a hydraulic requirement of 10 – 20 gpm. Both feature a variety of auger width options ranging from 4 inches to 14 inches (24 inches on the larger Model 1020).

The hydraulic units include:

- A totally enclosed gearbox with limited 5-year warranty
- Easy assembly and mounting
- Hydraulic motor with a limited one-year warranty

Both models feature a variety of mounting options, including:

- Boom / 3-point mount
- Bolt-on bucket-mount
- Skid loader Fast-Tach mount



Tips for Operating Your Post Hole Digger Safely

- Engage the PTO only when the digger is placed on the ground where the hole is to be dug.
- Do not add physical pressure to the auger to assist in penetrating hard ground. For better penetration, use a hydraulic down pressure kit.
- Disengage the PTO when the hole is dug and the digger is raised.
- Do not transport the digger with the PTO running.
- Always use the factory specified "shear bolts" to protect the auger and drive lines.
- Do not exceed PTO speeds of 540 rpm or operating angles of 45 degrees.
- Consider the operating environment – steep slopes will cause rollovers.
- Always check for underground pipelines or wires. Call the utility companies for locations.
- Stand clear while the digger is in operation.
- Always disengage the PTO and turn off the engine when getting off the tractor.

POST HOLE DIGGERS

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SPECIFICATIONS				
PTO Models	Model 101	Model 301H	Model 601H	Model 901
Boom	3 - inch OD tubing	3 - inch OD tubing with reinforced rib	3 - inch OD tubing with reinforced rib	3 - inch OD tubing with reinforced rib
Arch (Yoke)	½ - inch thick steel to Cat. 0 & 1, 3 - pt. hitch	3 - inch OD tubing with reversible steel pins to fit Cat. I & II, 3 - pt. hitch		
PTO Assembly	Shield design inhibits entry of dirt and moisture which may cause shaft to freeze. Heavy - duty steel joint cross kits with needle bearings			Inspined
Boom / 3 - Pt Mount	Standard	Standard	Standard	Standard
Gearbox	3:1 ratio	2.92:1 ratio	3.18:1 ratio	4:1 ratio
Bearings	Deep, groove ball bearing with needle bearing	Tapered roller, straddle mounted, one each side of gear with needle bearing for rigidity, strength, compact design		
Seals	Completely enclosed dual lip, high quality spring loaded			
Input Shaft	1 ¼" diameter	1 ¼" diameter	1 ¼" diameter	1 - ⅝" diameter
Output Shaft	1 3/8" solid	2" solid	2" solid	2" solid
Shear Pin	¼", grade 2 on input shaft with roll pin to hold PTO shaft	3/8", grade 2 on input shaft with roll pin to hold PTO shaft	3/8", grade 2 on input shaft with roll pin to hold PTO shaft	Two ½" grade 2 bolts on output shaft
Standard Auger Length	32"	42"	42"	42"
Standard Auger Diameters	4", 6" and 9" semi - double + 4" double flight	4", 6", 9", 12" and 14" semi - double or double - flight	4", 6", 9", 12" and 14" semi - double or double flight and 16", 18" and 24"	4", 6", 9", 12" and 14" semi - double or double flight and 16", 18", 24" and 30" double flight
Auger Extensions	N/A	9" and 14"	9" and 14"	9" and 14"
Orchard Augers	N/A	N/A	16", 18", 24" double flight	16", 18", 24" 30" double flight
Auger Point	Austempered ductile iron replaceable on 6" & 9" augers	Austempered ductile iron replaceable on 6", 9" & 12" augers	Austempered ductile iron replaceable on 6" - 24" augers	Austempered ductile iron replaceable on 6" - 30" augers
Cutting Teeth	Bolted on, forged steel, replaceable on 6" and 9" augers	Bolted on, forged steel, replaceable on 6", 9", 12" and 14" augers	Bolted on, forged steel, replaceable on 6" - 24" augers	Bolted on, forged steel, replaceable on 6" - 30" augers
Weight	125 lbs.	170 lbs.	191 lbs.	244 lbs.
Down Pressure Kit	500 lbs. additional pressure, 2" diameter cylinder, 8" stroke, 2 - way valve for use with boom / 3 - pt. mount.			

SPECIFICATIONS		
Hydraulic Models	Model 510	Model 1020
Bolt - on Bucket Mount	Optional	Optional
Boom / 3 - Point Mount	Optional	Optional
Skid Loader Fast - Tach Mount	Optional	Optional
Gearbox	3.18:1 ratio	3.18:1 ratio
Bearings	Tapered roller, straddle mounted, one each side of each gear for rigidity, strength, compact design	
Seals	Completely enclosed dual lip, high quality spring loaded	
Input Shaft	1 ¼" diameter	1 ¼" diameter
Output Shaft	2" solid	2" solid
Hydraulic Motor	5 - 10 gpm, 1500 - 3000 psi 1 - 1/4" output shaft, max. torque 700 ft. lbs.	10 - 20 gpm, 1500 - 3000 psi 1 - 1/4" output shaft, max. torque 1000 ft. lbs.
Standard Augers	42" length; 4", 6", 9", 12" & 14" semi - double flight or double flight	42" length; 4", 6", 9", 12" & 14" semi - double flight or double flight, 16", 18" & 24" double flight
Auger Extensions	9" & 14"	9" & 14"
Orchard Augers	N/A	16", 18", 24" double flight
Auger Point	Austempered ductile iron replaceable on 6", 9" & 12" augers	Austempered ductile iron replaceable on 6" - 24" augers
Cutting Teeth	Bolted - on, forged steel replaceable on 6", 9" & 12" augers	Bolted - on, forged steel replaceable on 6" - 24" augers
Shipping Weight	113 lbs.	115 lbs.
Down Pressure Kit	500 lbs. additional pressure, 2" diameter cylinder, 8" stroke, 2 - way valve for use with boom / 3 - pt. mount.	

Shaver Manufacturing is a leading manufacturer of fencing equipment. We manufacture a complete lineup of post drivers, post hole diggers, stump grinders and log splitters. We're proud of the fact that our equipment is made in the Heartland of America - Graettinger, Iowa.



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