

Drive-Through Electrified ATV Gate

Don Church of Red Deer, Alberta got tired of having to get on and off his ATV to open gates, so he came up with a simple drive-through electrified gate that swings open like the doors leading to a restaurant kitchen.

The gate measures 54 in. wide – the size of his ATV - and is made from 1/2-in. pvc tubing formed into a pair of rectangular “swing doors” that have 14-ga. non-insulated electrical house wire wrapped around them. The “swing doors” swivel at the top and bottom on homemade metal brackets, which attach to a 6-ft. sq. frame made from 1 1/4-in. pvc conduit. Both sides of the frame are strapped to wooden posts on either side of the gate.

Church simply lets the ATV’s front wheels push the doors out of the way and drives through. After the ATV has passed through, the spring-loaded doors automatically swing back into place.

“I have to slow down to pass through, but I never have to stop,” says Church. “It works great for checking cattle in my pastures. Livestock won’t touch it, yet my ATV can pass through without stopping. The gates swing 90 degrees in each direction, so there’s plenty of room to get through.”

He built the gate 3 years ago and has used it a lot. “I practice rotational grazing and go through the gate at least twice a day, so I’ve passed through it 500 to 600 times with no problems. I’ve never had an animal get through the gate, either,” says Church.

He says he used 14-ga. electrical wire because he already had oddball lengths of it on hand. “It’s the same kind of wire used in houses and other buildings, so it’s fairly pliable and easy to use,” says Church. “I stripped the insulation off to expose the bare wire, then soldered different lengths together as needed. It took a lot of trial and error before everything worked right.

“I didn’t want to drive over the bottom of the frame and possibly damage it, so I dug it into the ground and covered it with soil,” he notes.

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Electrified ATV gate is made from pvc tubing formed into 2 rectangular “swing doors” with non-insulated electrical wire wrapped around them.

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Beiler Engine & Mfg. runs a machine shop manufacturing gears and splines including these complete gear boxes.

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Contact: FARM SHOW Followup, Beiler Engine & Mfg. LLC, 1630 Georgetown Rd., Christiana, Penn. 17509 (ph 717 529-6595 from 8:00 to 9:00 a.m. EST, or leave message).

Reader Inquiry No. 161

