

Jack Rotator Tool [Video](#)



Description

The Jack Rotator is an adapter that fits in a standard cordless drill. It fits over a trailer mounted jack and turns the jack handle in the desired direction to raise or lower the jack. Using this innovation saves the user from potential back strains when bending over to crank a jack.

Benefit

The Jack Rotator innovation saves MoDOT time and money by reducing the time employees spend placing and securing trailer mounted equipment. It also improves safety by reducing the exposure to traffic and the possibility of slips, trips, falls or muscle strains while operating the jack manually. The Jack Rotator also simplifies work by allowing the operator to set the jack at the desired height the first time rather than having to revisit each jack in order to ensure the unit is level.

Materials and Labor

The total cost of materials is \$8 with one hour of labor.

For More Information Contact

Southwest District

Owen Mackey at Owen.Mackey@modot.mo.gov or 417-406-3550. Additional contacts: Bruce Pettus.

Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: <http://sp/sites/tp/planpol/SitePages/InnovationHome.aspx>

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(Jack Rotator)

Materials List

- 20v Cordless Drill (If Needed) \$160.00
- ¼ Inch Hex Socket Driver \$1.00
- 3" Wobble Extension (1/2" Drive) \$4.00
- 13/16 Impact Socket (1/2" Drive) \$3.00