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ENGINEERING

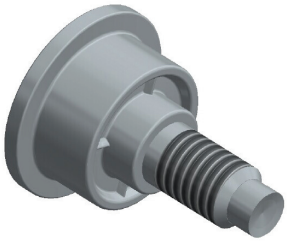
PULLEY STUDS®

Perfect for Lower Product & Installation Costs, Plus a Stronger Assembly!

Developed for use in car window regulator mechanisms. Traditionally window regulators had separate pulley wheel mountings and captive studs to mount the window regulator to the inside of the door frame. The PSM Pulley Stud revolutionized this design by combining the pulley mounting and the captive stud into a single component.

FEATURES & BENEFITS OF PULLEY STUDS®

- A single pulley stud replaces two components
- One installation operation instead of two
- No bending moment on regulator—more rigid assembly
- Possible reduction in thickness of regulator material
- Higher torque resistance due to larger spline diameter
- Two pierced holes in regulator instead of four
- Design options to suit pulley and sheet thickness
- Design options on type of “clinch form” retention



The cost benefit will be dependent on a number of factors—country of manufacture, product costs, labor rates and the degree of automation. Based on USA manufactures, **a cost saving of $60 per 1000 installed parts would be typical** ($20 product + $40 installation).

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